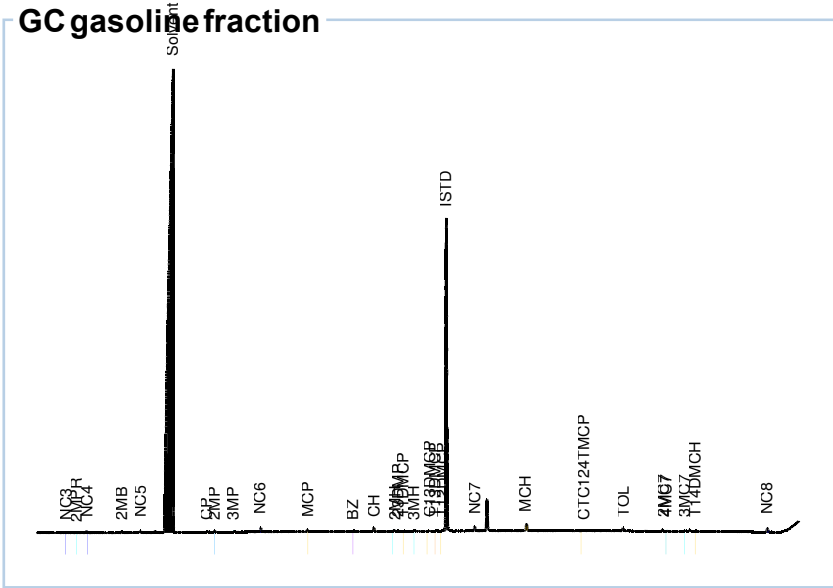




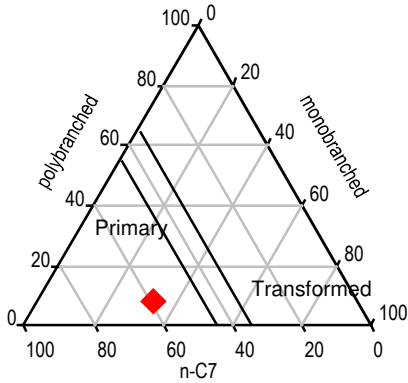
Country	United States	Sample id	FPC_1158612
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5897.3ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

GC gasoline fraction

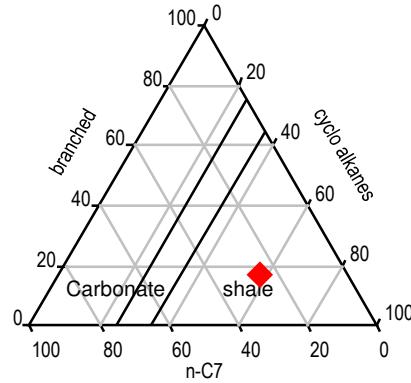


Peak areas	
1: Methane	
2: Ethane	
3: Propane	1
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	3
7: n-pentane	4
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	
11: 2-methylpentane	3
12: 3-methylpentane	2
13: n-hexane	6
14: methylcyclopentane	4
15: 2,2-dimethylpentane	
16: benzene	2
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	7
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	2
23: 2,3-dimethylpentane	1
24: 1c3-dimethylcyclopentane	1
25: 3-methylhexane	3
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	2
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	626
30: n-heptane	9
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	16
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	
35: ethylcyclopentane	
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	8

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	59.14
monobranched	32.57
polybranched	8.29
Alkanes/cycloalkanes (%)	
normal C7	25.38
cycloalkanes	57.08
branched alkanes	17.54
Alkanes/cycloalkanes (%)	
normal C7	34.74
cycloalkanes	46.21
aromatics	19.05

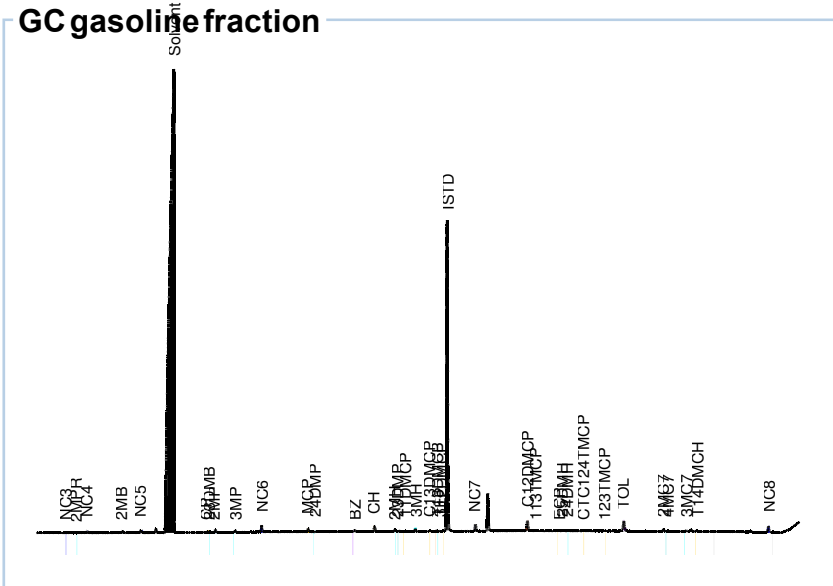
Parameters	
C7 fraction %	
C7 temperature (RWK)	137.08
C7 temperature (HOU)	
C7 VR/E	0.90
Prime sum	1.13
PCI	
Ring preference	
Three membered rings %	17.87
Five membered rings %	13.40
Six membered rings %	68.73

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



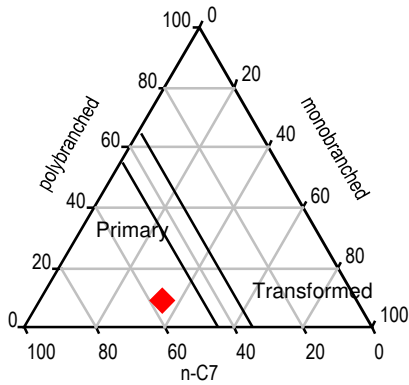
Country	United States	Sample id	FPC_1158613
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5908.9ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

GC gasoline fraction

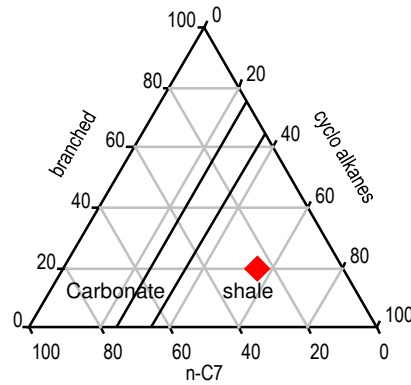


Peak areas	
1: Methane	
2: Ethane	
3: Propane	0
4: 2-methylpropane (i-C4)	1
5: butane	2
6: 2-methylbutane (i-C5)	4
7: n-pentane	6
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	4
12: 3-methylpentane	3
13: n-hexane	9
14: methylcyclopentane	5
15: 2,2-dimethylpentane	
16: benzene	3
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	10
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	621
30: n-heptane	14
31: 1c2-dimethylcyclopentane	23
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	25

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.01
monobranched	34.47
polybranched	9.52
Alkanes/cycloalkanes (%)	
normal C7	25.19
cycloalkanes	55.02
branched alkanes	19.78
Alkanes/cycloalkanes (%)	
normal C7	30.88
cycloalkanes	37.78
aromatics	31.34

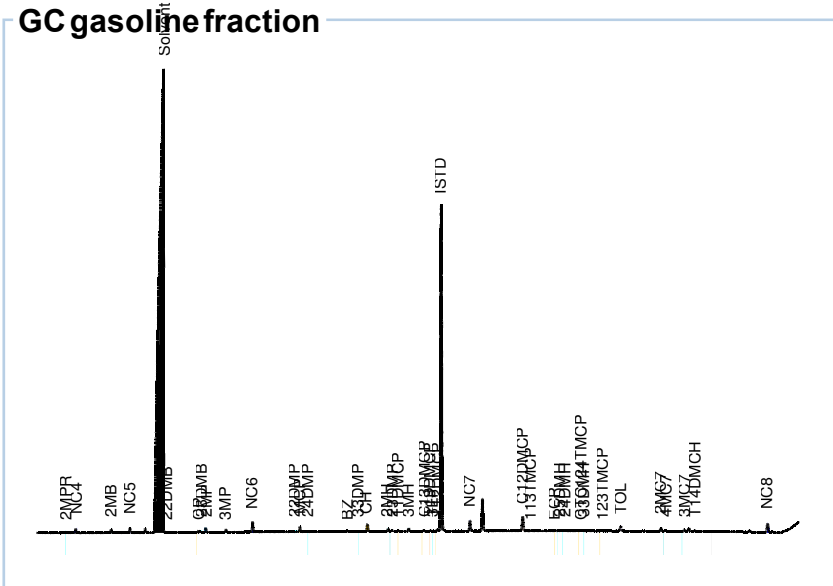
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.04
C7 temperature (HOU)	120.41
C7 VR/E	0.85
Prime sum	0.75
PCI	0.01
Ring preference	
Three membered rings %	16.43
Five membered rings %	45.68
Six membered rings %	37.89

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



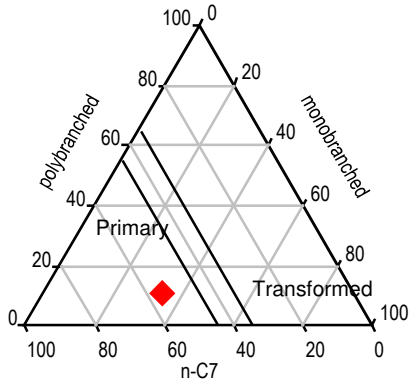
Country	United States	Sample id	FPC_1158615
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5934.7ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC gasoline fraction

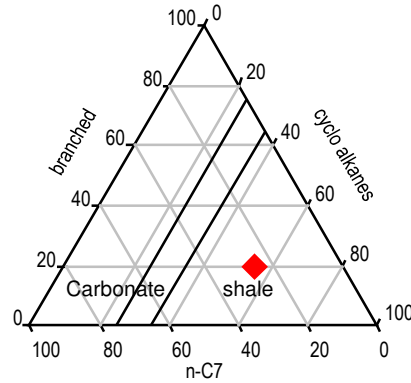


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	5
6: 2-methylbutane (i-C5)	7
7: n-pentane	10
8: 2,2-dimethylbutane	1
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	7
12: 3-methylpentane	4
13: n-hexane	14
14: methylcyclopentane	8
15: 2,2-dimethylpentane	0
16: benzene	1
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	14
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	5
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	6
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	4
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	649
30: n-heptane	20
31: 1c2-dimethylcyclopentane	32
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	12

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.17
monobranched	33.21
polybranched	10.61
Alkanes/cycloalkanes (%)	
normal C7	25.51
cycloalkanes	54.58
branched alkanes	19.91
Alkanes/cycloalkanes (%)	
normal C7	39.39
cycloalkanes	47.33
aromatics	13.29

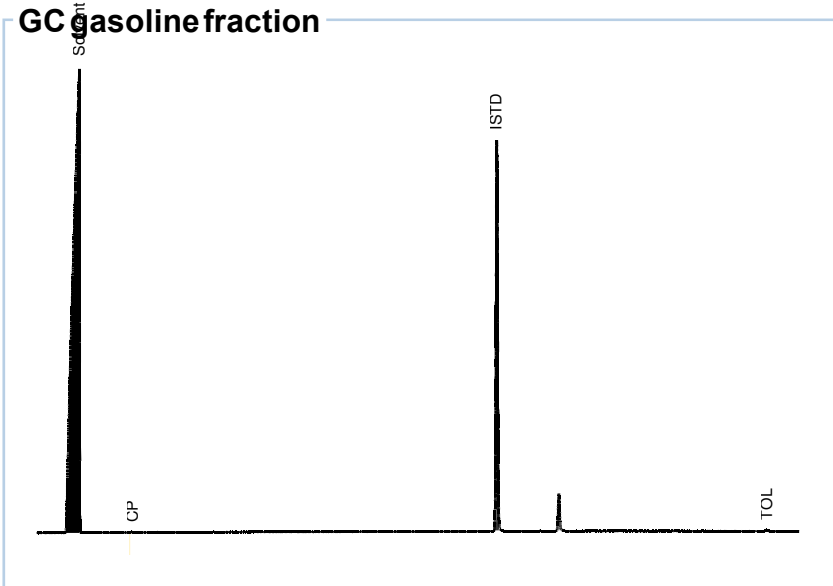
Parameters	
C7 fraction %	
C7 temperature (RWK)	134.76
C7 temperature (HOU)	122.61
C7 VR/E	0.88
Prime sum	0.66
PCI	-0.01
Ring preference	
Three membered rings %	22.16
Five membered rings %	60.78
Six membered rings %	17.06

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



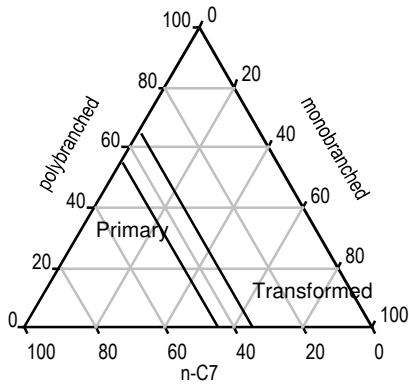
Country	United States	Sample id	FPC_1158617
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5953.0ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC Gasoline fraction

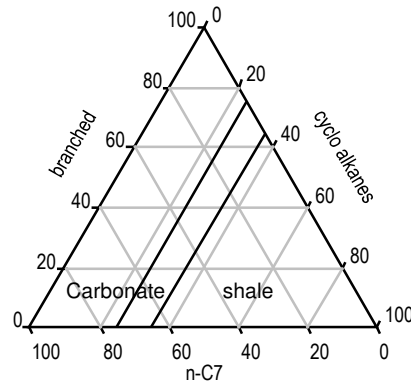


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	
5: butane	
6: 2-methylbutane (i-C5)	
7: n-pentane	
8: 2,2-dimethylbutane	
9: cyclopentane	1
10: 2,3-dimethylbutane	
11: 2-methylpentane	
12: 3-methylpentane	
13: n-hexane	
14: methylcyclopentane	
15: 2,2-dimethylpentane	
16: benzene	
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	
22: 2-methylhexane	
23: 2,3-dimethylpentane	
24: 1c3-dimethylcyclopentane	
25: 3-methylhexane	
26: 1t3-dimethylcyclopentane	
27: 1t2-dimethylcyclopentane	
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	755
30: n-heptane	
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	
35: ethylcyclopentane	
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	
40: toluene	4

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	
monobranched	
polybranched	
Alkanes/cycloalkanes (%)	
normal C7	
cycloalkanes	
branched alkanes	
Alkanes/cycloalkanes (%)	
normal C7	0.00
cycloalkanes	0.00
aromatics	100.00

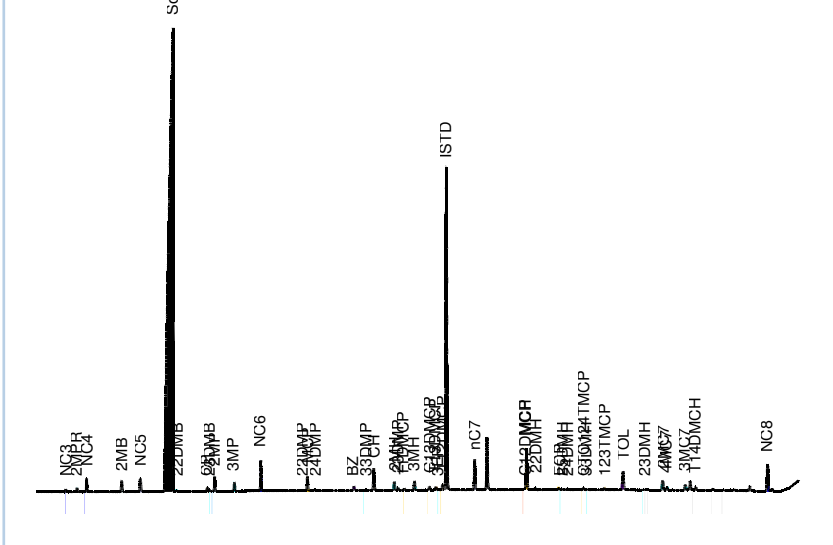
Parameters	
C7 fraction %	
C7 temperature (RWK)	
C7 temperature (HOU)	
C7 VR/E	
Prime sum	
PCI	
Ring preference	
Three membered rings %	0.00
Five membered rings %	0.00
Six membered rings %	100.00

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



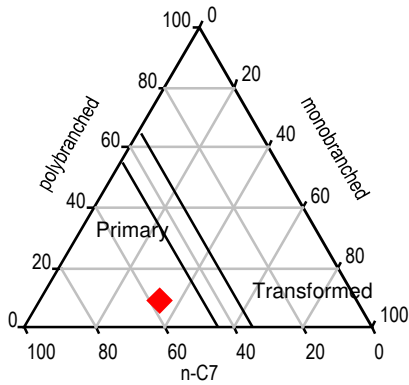
Country	United States	Sample id	FPC_1158623
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5930.2ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC gasoline fraction

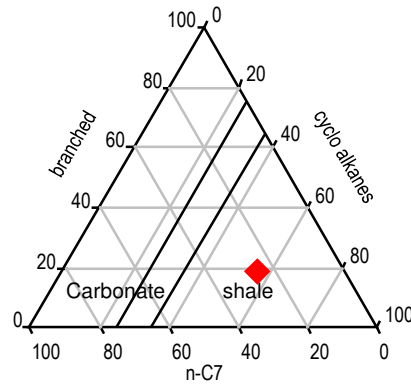


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	4
5: butane	16
6: 2-methylbutane (i-C5)	19
7: n-pentane	27
8: 2,2-dimethylbutane	2
9: cyclopentane	6
10: 2,3-dimethylbutane	3
11: 2-methylpentane	19
12: 3-methylpentane	12
13: n-hexane	40
14: methylcyclopentane	23
15: 2,2-dimethylpentane	1
16: benzene	8
17: 2,4-dimethylpentane	2
18: 2,2,3-trimethylbutane	
19: Cyclohexane	39
20: 3,3-dimethylpentane	1
21: 1,1-dimethylcyclopentane	4
22: 2-methylhexane	15
23: 2,3-dimethylpentane	5
24: 1c3-dimethylcyclopentane	7
25: 3-methylhexane	17
26: 1t3-dimethylcyclopentane	6
27: 1t2-dimethylcyclopentane	11
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	632
30: n-heptane	57
31: 1c2-dimethylcyclopentane	2
32: methylcyclohexane	88
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	5
35: ethylcyclopentane	4
36: 2,5-dimethylhexane	2
37: 2,4-dimethylhexane	3
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	5
40: toluene	43

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.33
monobranched	33.57
polybranched	9.09
Alkanes/cycloalkanes (%)	
normal C7	25.87
cycloalkanes	54.89
branched alkanes	19.25
Alkanes/cycloalkanes (%)	
normal C7	37.72
cycloalkanes	45.89
aromatics	16.39

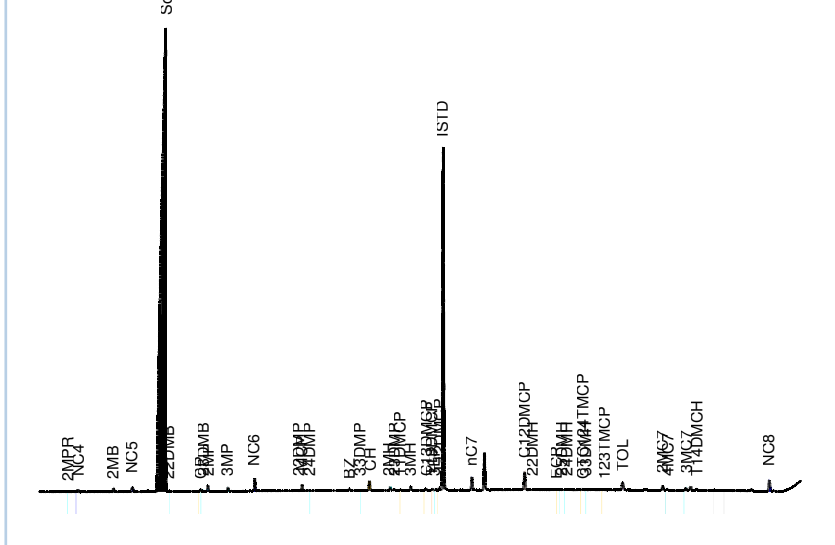
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.85
C7 temperature (HOU)	125.51
C7 VR/E	0.87
Prime sum	0.99
PCI	0.15
Ring preference	
Three membered rings %	20.54
Five membered rings %	16.29
Six membered rings %	63.18

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



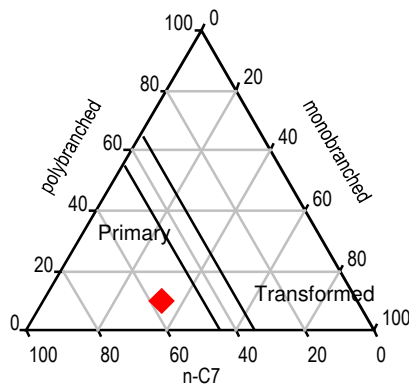
Country	United States	Sample id	FPC_1158630
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5927.1ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC gasoline fraction

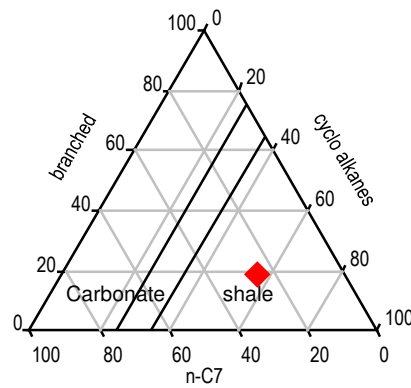


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	6
7: n-pentane	10
8: 2,2-dimethylbutane	1
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	17
14: methylcyclopentane	9
15: 2,2-dimethylpentane	0
16: benzene	4
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	17
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	7
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	5
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	670
30: n-heptane	25
31: 1c2-dimethylcyclopentane	39
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	3
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	19

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.08
monobranched	33.11
polybranched	9.82
Alkanes/cycloalkanes (%)	
normal C7	25.70
cycloalkanes	54.97
branched alkanes	19.33
Alkanes/cycloalkanes (%)	
normal C7	37.71
cycloalkanes	46.03
aromatics	16.27

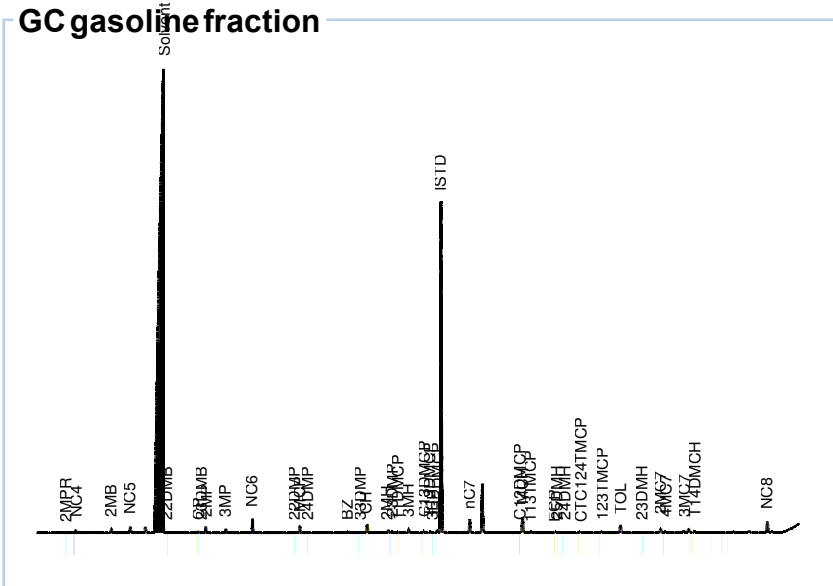
Parameters	
C7 fraction %	
C7 temperature (RWK)	134.58
C7 temperature (HOU)	122.23
C7 VR/E	0.88
Prime sum	0.70
PCI	-0.00
Ring preference	
Three membered rings %	20.62
Five membered rings %	58.65
Six membered rings %	20.73

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



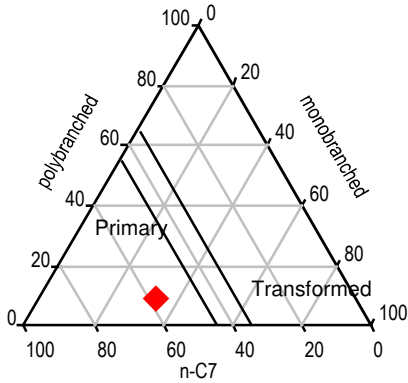
Country	United States	Sample id	FPC_1158645
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6460.8ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

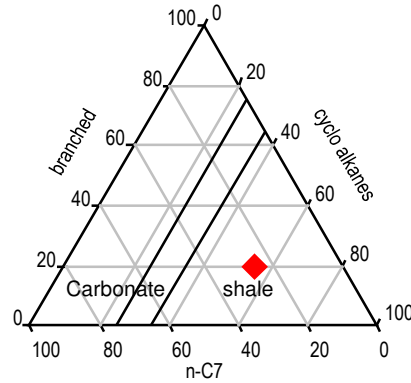


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	7
7: n-pentane	12
8: 2,2-dimethylbutane	0
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	19
14: methylcyclopentane	11
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	15
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	7
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	6
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	633
30: n-heptane	25
31: 1c2-dimethylcyclopentane	1
32: methylcyclohexane	32
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	18

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.50
monobranched	32.90
polybranched	9.60
Alkanes/cycloalkanes (%)	
normal C7	26.52
cycloalkanes	53.88
branched alkanes	19.60
Alkanes/cycloalkanes (%)	
normal C7	38.61
cycloalkanes	45.12
aromatics	16.27

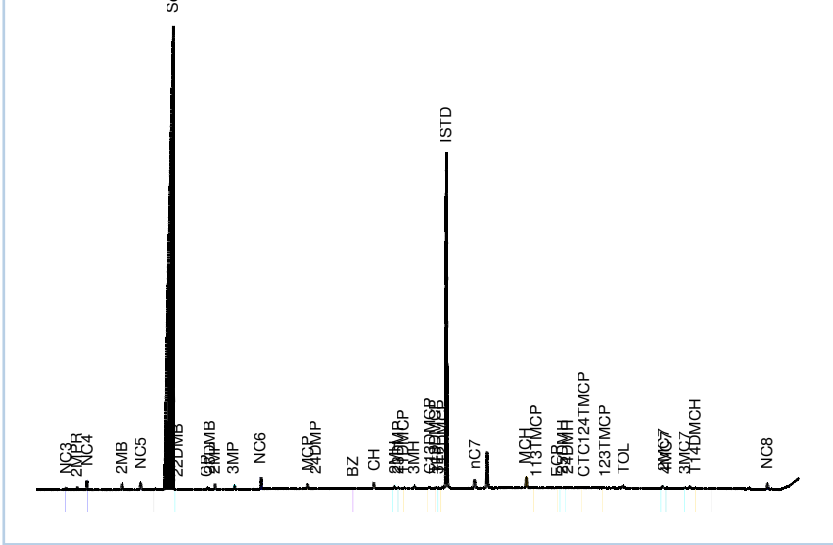
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.76
C7 temperature (HOU)	119.16
C7 VR/E	0.86
Prime sum	0.94
PCI	0.08
Ring preference	
Three membered rings %	21.09
Five membered rings %	20.25
Six membered rings %	58.66

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



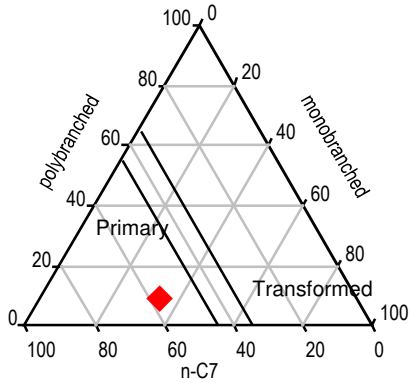
Country	United States	Sample id	FPC_1158646
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6472.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

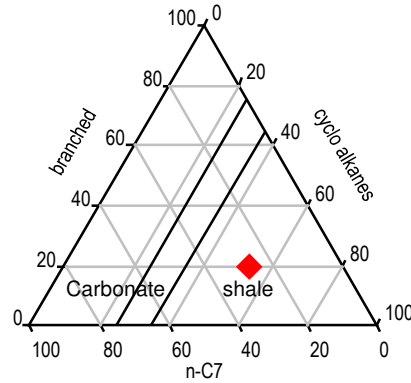


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	3
5: butane	11
6: 2-methylbutane (i-C5)	10
7: n-pentane	15
8: 2,2-dimethylbutane	1
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	7
12: 3-methylpentane	5
13: n-hexane	16
14: methylcyclopentane	8
15: 2,2-dimethylpentane	
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	11
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	5
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	4
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	659
30: n-heptane	17
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	22
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	6

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.33
monobranched	33.84
polybranched	8.83
Alkanes/cycloalkanes (%)	
normal C7	27.11
cycloalkanes	52.71
branched alkanes	20.18
Alkanes/cycloalkanes (%)	
normal C7	42.96
cycloalkanes	47.88
aromatics	9.16

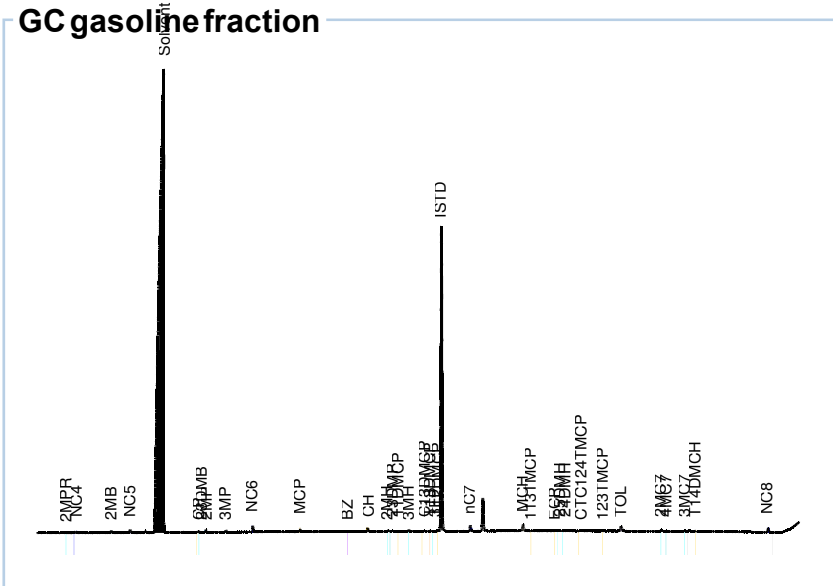
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.60
C7 temperature (HOU)	123.02
C7 VR/E	0.87
Prime sum	0.98
PCI	0.13
Ring preference	
Three membered rings %	24.32
Five membered rings %	21.83
Six membered rings %	53.85

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



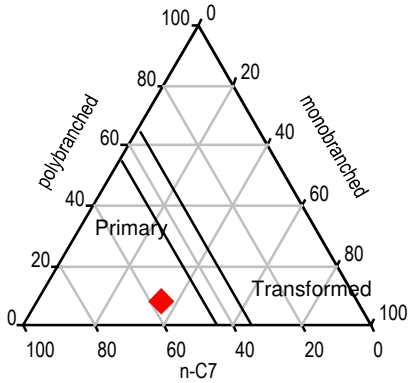
Country	United States	Sample id	FPC_1158647
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6481.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

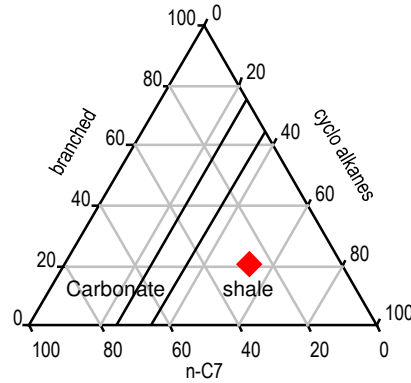


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	0
5: butane	2
6: 2-methylbutane (i-C5)	4
7: n-pentane	6
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	4
12: 3-methylpentane	3
13: n-hexane	9
14: methylcyclopentane	5
15: 2,2-dimethylpentane	
16: benzene	1
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	7
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	3
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	2
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	598
30: n-heptane	11
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	14
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	12

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.58
monobranched	35.24
polybranched	8.18
Alkanes/cycloalkanes (%)	
normal C7	27.08
cycloalkanes	52.13
branched alkanes	20.79
Alkanes/cycloalkanes (%)	
normal C7	37.35
cycloalkanes	40.67
aromatics	21.98

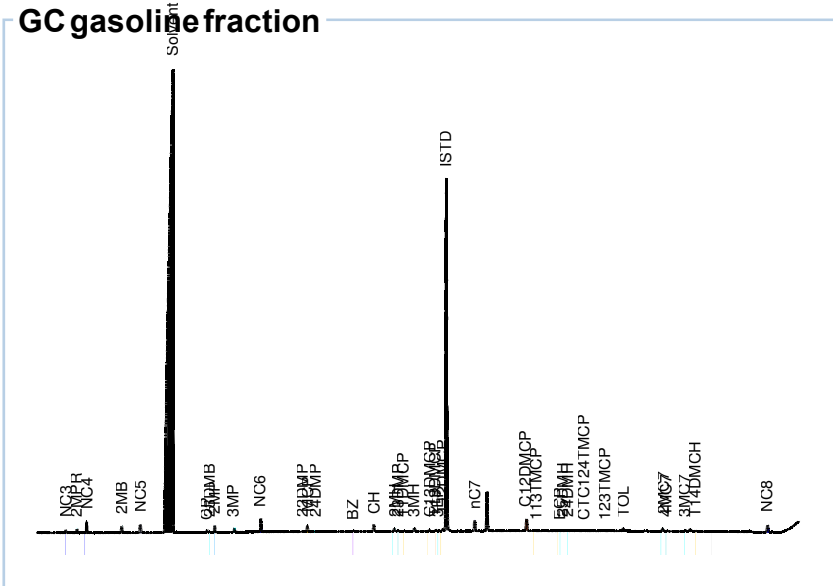
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.40
C7 temperature (HOU)	
C7 VR/E	0.85
Prime sum	1.00
PCI	
Ring preference	
Three membered rings %	20.57
Five membered rings %	17.68
Six membered rings %	61.75

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



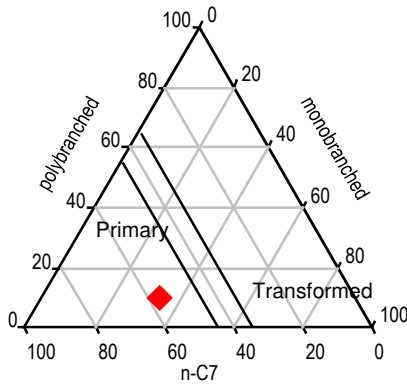
Country	United States	Sample id	FPC_1158648
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6492.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

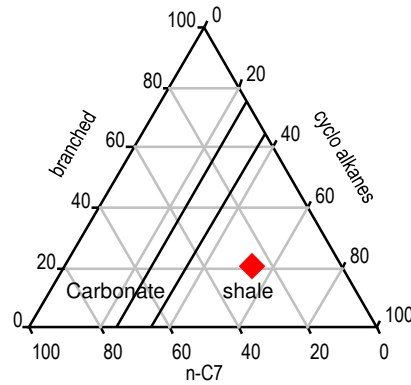


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	4
5: butane	13
6: 2-methylbutane (i-C5)	11
7: n-pentane	17
8: 2,2-dimethylbutane	
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	18
14: methylcyclopentane	9
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	13
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	5
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	6
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	5
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	685
30: n-heptane	20
31: 1c2-dimethylcyclopentane	26
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	7

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.67
monobranched	33.26
polybranched	10.07
Alkanes/cycloalkanes (%)	
normal C7	26.67
cycloalkanes	52.93
branched alkanes	20.40
Alkanes/cycloalkanes (%)	
normal C7	42.90
cycloalkanes	48.24
aromatics	8.86

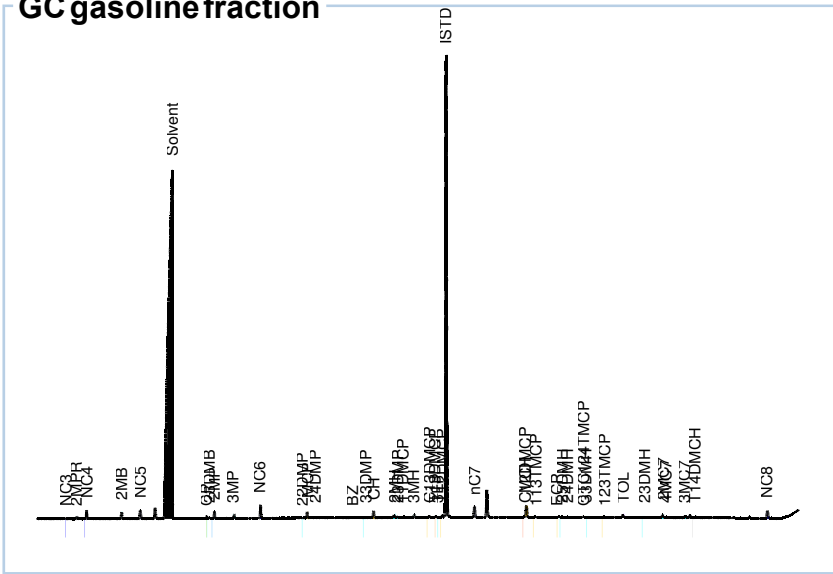
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.91
C7 temperature (HOU)	124.31
C7 VR/E	0.86
Prime sum	0.67
PCI	0.01
Ring preference	
Three membered rings %	24.56
Five membered rings %	63.73
Six membered rings %	11.70

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



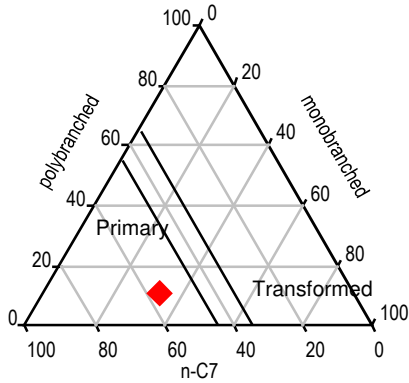
Country	United States	Sample id	FPC_1158650
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6521.3ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

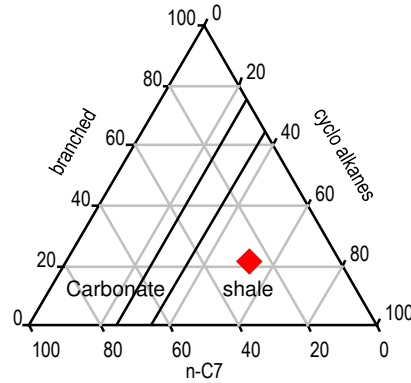


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	4
5: butane	12
6: 2-methylbutane (i-C5)	13
7: n-pentane	20
8: 2,2-dimethylbutane	
9: cyclopentane	4
10: 2,3-dimethylbutane	2
11: 2-methylpentane	11
12: 3-methylpentane	7
13: n-hexane	22
14: methylcyclopentane	12
15: 2,2-dimethylpentane	1
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	15
20: 3,3-dimethylpentane	1
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	8
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	6
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	1119
30: n-heptane	26
31: 1c2-dimethylcyclopentane	1
32: methylcyclohexane	31
33: 1,1,3-trimethylcyclopentane	3
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	8

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.05
monobranched	32.80
polybranched	11.15
Alkanes/cycloalkanes (%)	
normal C7	27.09
cycloalkanes	51.67
branched alkanes	21.24
Alkanes/cycloalkanes (%)	
normal C7	44.62
cycloalkanes	47.71
aromatics	7.67

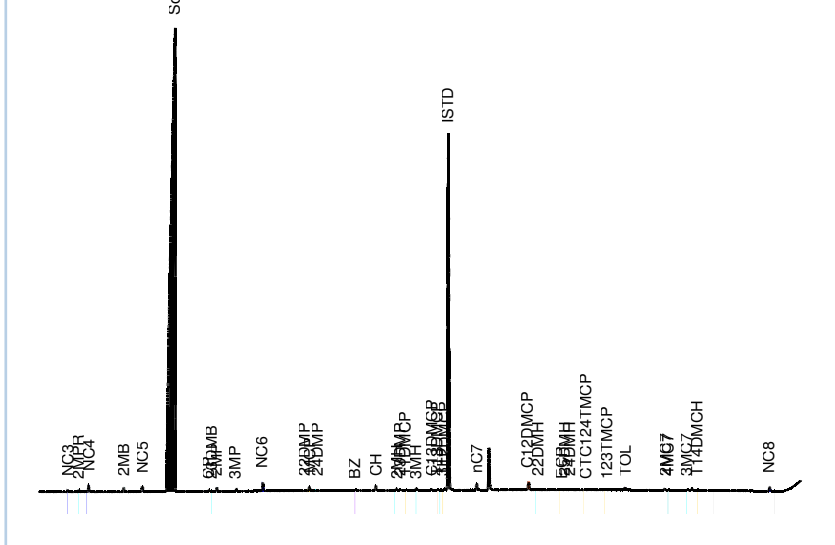
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.10
C7 temperature (HOU)	120.46
C7 VR/E	0.86
Prime sum	0.88
PCI	0.06
Ring preference	
Three membered rings %	26.15
Five membered rings %	22.96
Six membered rings %	50.89

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



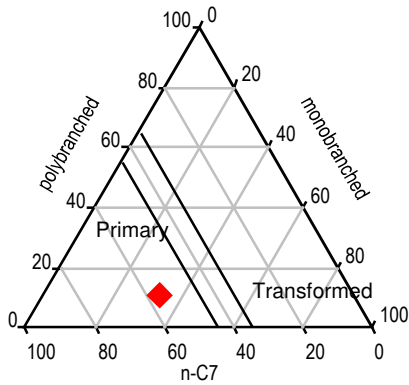
Country	United States	Sample id	FPC_1158652
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6514.1ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

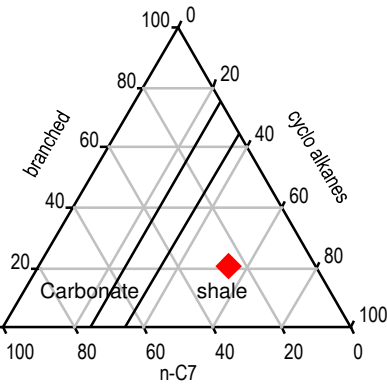


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	3
5: butane	8
6: 2-methylbutane (i-C5)	7
7: n-pentane	11
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	5
12: 3-methylpentane	3
13: n-hexane	11
14: methylcyclopentane	6
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	9
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	3
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	700
30: n-heptane	13
31: 1c2-dimethylcyclopentane	18
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	1
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	6

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	55.79
monobranched	32.81
polybranched	11.40
Alkanes/cycloalkanes (%)	
normal C7	25.90
cycloalkanes	53.58
branched alkanes	20.52
Alkanes/cycloalkanes (%)	
normal C7	41.19
cycloalkanes	47.53
aromatics	11.28

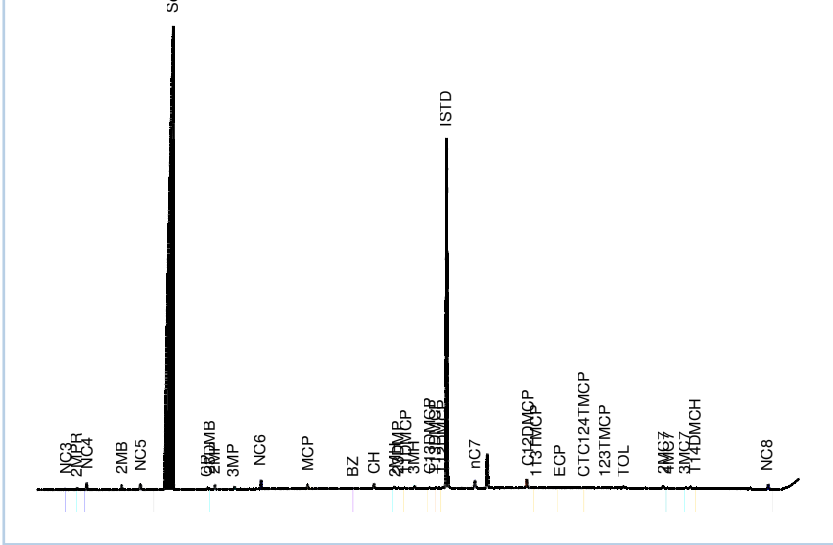
Parameters	
C7 fraction %	
C7 temperature (RWK)	130.75
C7 temperature (HOU)	122.60
C7 VR/E	0.84
Prime sum	0.63
PCI	-0.02
Ring preference	
Three membered rings %	23.64
Five membered rings %	61.72
Six membered rings %	14.64

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



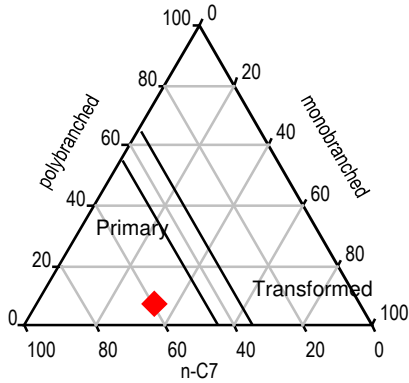
Country	United States	Sample id	FPC_1158653
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6500.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

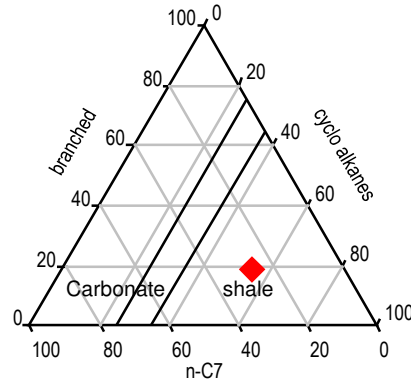


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	3
5: butane	8
6: 2-methylbutane (i-C5)	8
7: n-pentane	12
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	6
12: 3-methylpentane	4
13: n-hexane	13
14: methylcyclopentane	7
15: 2,2-dimethylpentane	
16: benzene	1
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	9
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	5
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	679
30: n-heptane	15
31: 1c2-dimethylcyclopentane	19
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	5

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	59.00
monobranched	33.17
polybranched	7.83
Alkanes/cycloalkanes (%)	
normal C7	27.09
cycloalkanes	54.08
branched alkanes	18.83
Alkanes/cycloalkanes (%)	
normal C7	41.88
cycloalkanes	49.33
aromatics	8.78

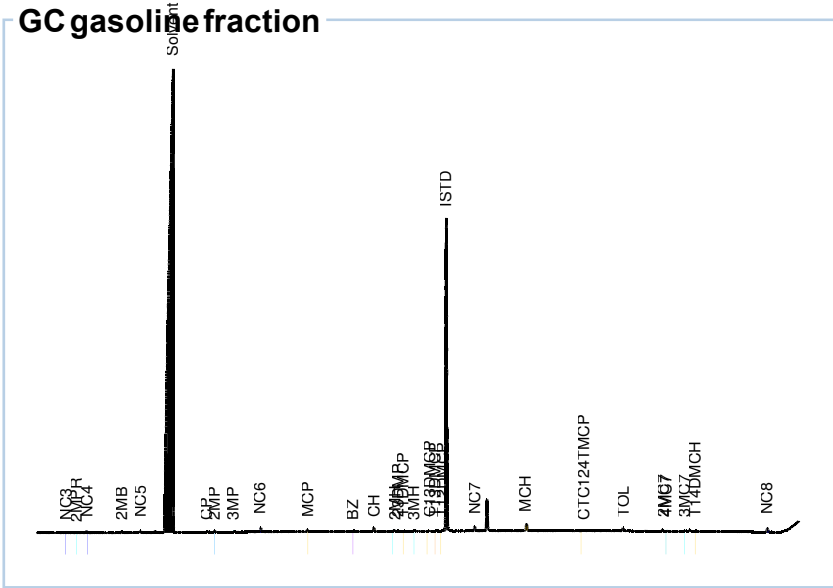
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.17
C7 temperature (HOU)	
C7 VR/E	0.86
Prime sum	0.83
PCI	
Ring preference	
Three membered rings %	22.81
Five membered rings %	65.52
Six membered rings %	11.67

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



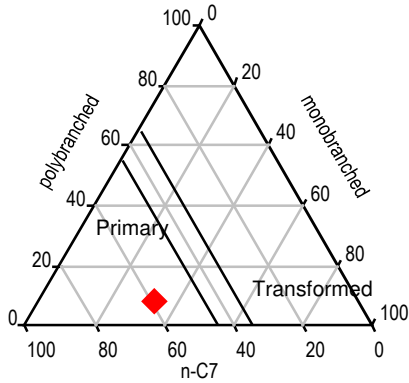
Country	United States	Sample id	FPC_1158612
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5897.3ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

GC gasoline fraction

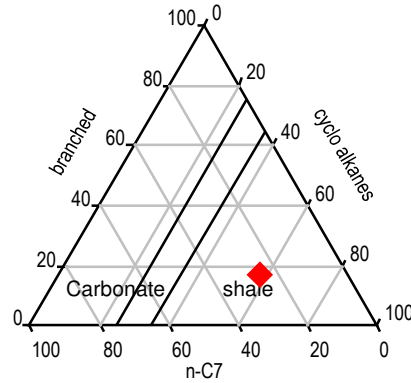


Peak areas	
1: Methane	
2: Ethane	
3: Propane	1
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	3
7: n-pentane	4
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	
11: 2-methylpentane	3
12: 3-methylpentane	2
13: n-hexane	6
14: methylcyclopentane	4
15: 2,2-dimethylpentane	
16: benzene	2
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	7
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	2
23: 2,3-dimethylpentane	1
24: 1c3-dimethylcyclopentane	1
25: 3-methylhexane	3
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	2
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	626
30: n-heptane	9
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	16
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	
35: ethylcyclopentane	
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	8

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	59.14
monobranched	32.57
polybranched	8.29
Alkanes/cycloalkanes (%)	
normal C7	25.38
cycloalkanes	57.08
branched alkanes	17.54
Alkanes/cycloalkanes (%)	
normal C7	34.74
cycloalkanes	46.21
aromatics	19.05

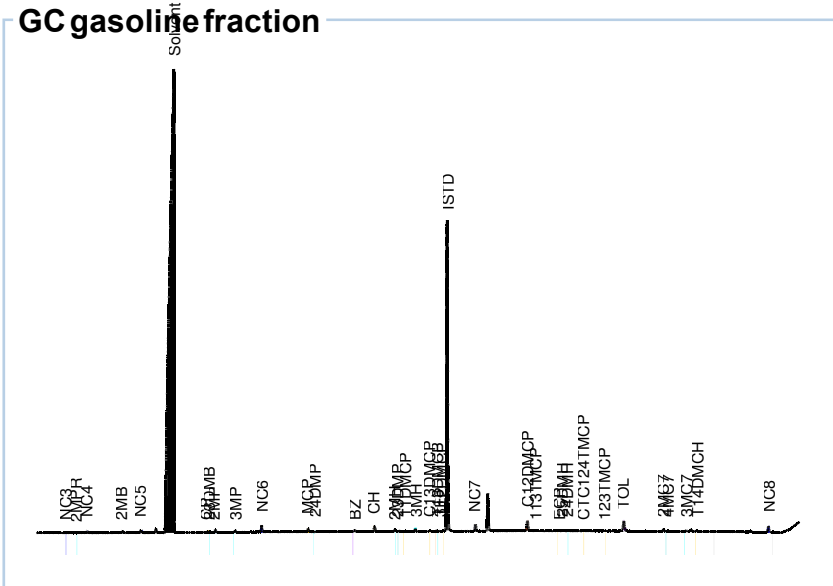
Parameters	
C7 fraction %	
C7 temperature (RWK)	137.08
C7 temperature (HOU)	
C7 VR/E	0.90
Prime sum	1.13
PCI	
Ring preference	
Three membered rings %	17.87
Five membered rings %	13.40
Six membered rings %	68.73

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



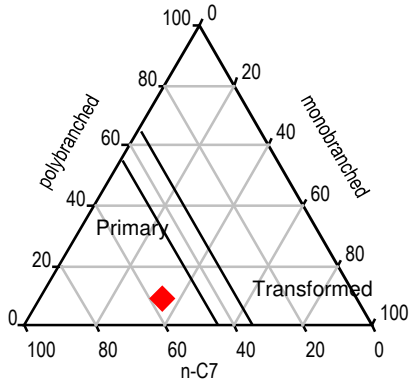
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Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5908.9ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

GC gasoline fraction

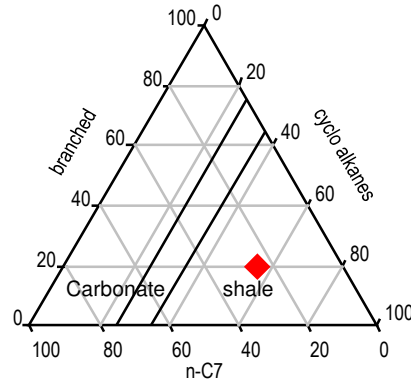


Peak areas	
1: Methane	
2: Ethane	
3: Propane	0
4: 2-methylpropane (i-C4)	1
5: butane	2
6: 2-methylbutane (i-C5)	4
7: n-pentane	6
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	4
12: 3-methylpentane	3
13: n-hexane	9
14: methylcyclopentane	5
15: 2,2-dimethylpentane	
16: benzene	3
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	10
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	621
30: n-heptane	14
31: 1c2-dimethylcyclopentane	23
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	25

Alkane Distribution



Alkane/Cycloalkanes



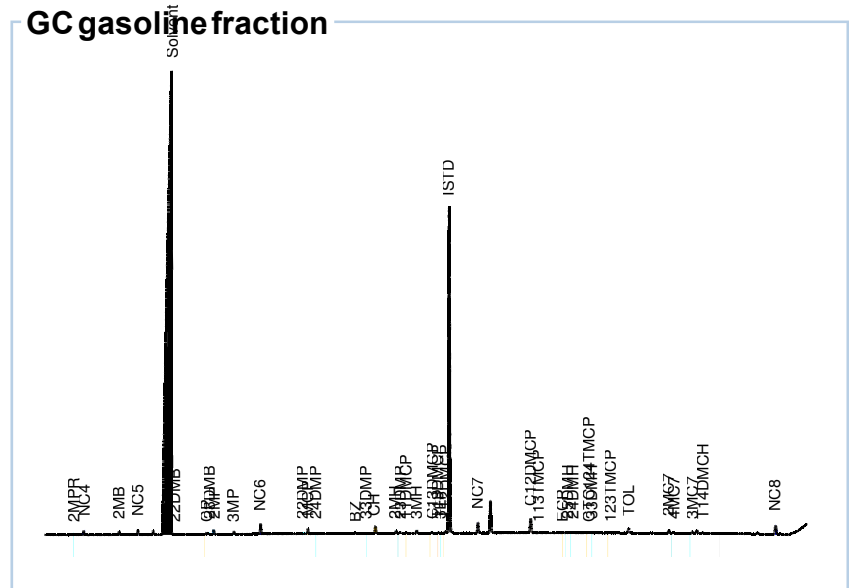
C7 Alkanes (%)	
normal C7	56.01
monobranched	34.47
polybranched	9.52
Alkanes/cycloalkanes (%)	
normal C7	25.19
cycloalkanes	55.02
branched alkanes	19.78
Alkanes/cycloalkanes (%)	
normal C7	30.88
cycloalkanes	37.78
aromatics	31.34

Parameters	
C7 fraction %	
C7 temperature (RWK)	132.04
C7 temperature (HOU)	120.41
C7 VR/E	0.85
Prime sum	0.75
PCI	0.01
Ring preference	
Three membered rings %	16.43
Five membered rings %	45.68
Six membered rings %	37.89

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



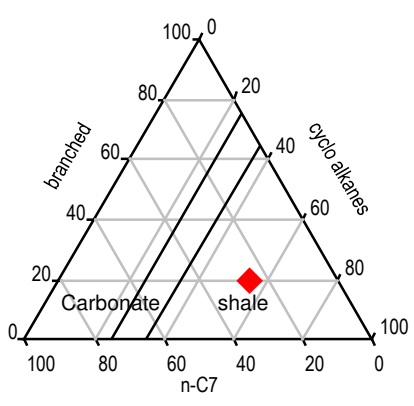
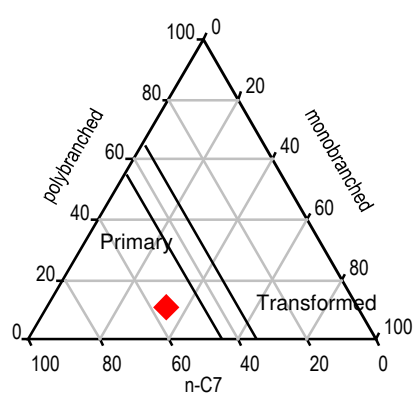
Country	United States	Sample id	FPC_1158615
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5934.7ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A



Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	5
6: 2-methylbutane (i-C5)	7
7: n-pentane	10
8: 2,2-dimethylbutane	1
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	7
12: 3-methylpentane	4
13: n-hexane	14
14: methylcyclopentane	8
15: 2,2-dimethylpentane	0
16: benzene	1
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	14
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	5
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	6
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	4
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	649
30: n-heptane	20
31: 1c2-dimethylcyclopentane	32
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	12

Alkane Distribution

Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.17
monobranched	33.21
polybranched	10.61
Alkanes/cycloalkanes (%)	
normal C7	25.51
cycloalkanes	54.58
branched alkanes	19.91
Alkanes/cycloalkanes (%)	
normal C7	39.39
cycloalkanes	47.33
aromatics	13.29

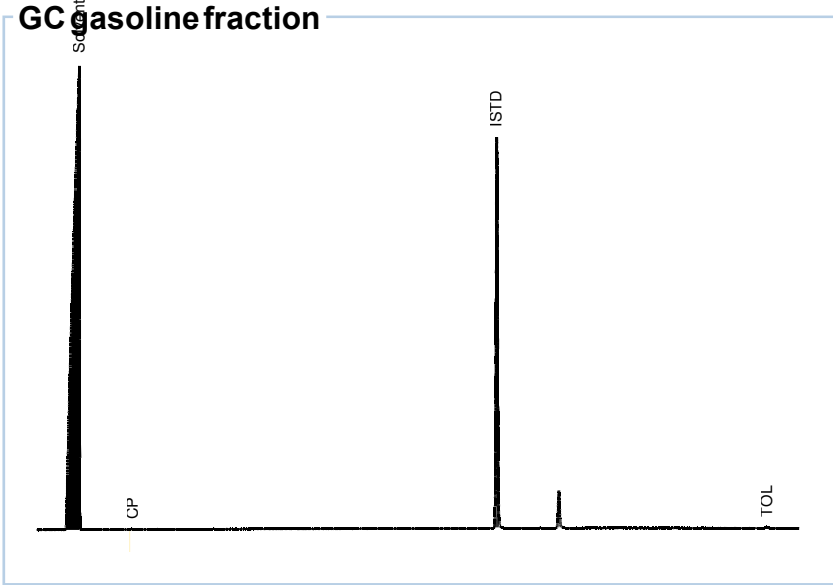
Parameters	
C7 fraction %	
C7 temperature (RWK)	134.76
C7 temperature (HOU)	122.61
C7 VR/E	0.88
Prime sum	0.66
PCI	-0.01
Ring preference	
Three membered rings %	22.16
Five membered rings %	60.78
Six membered rings %	17.06

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



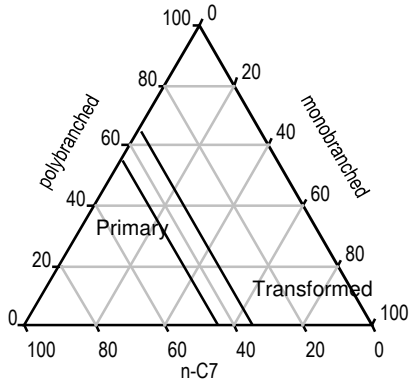
Country	United States	Sample id	FPC_1158617
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5953.0ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC Gasoline fraction

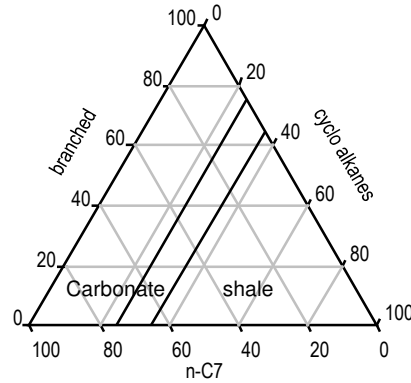


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	
5: butane	
6: 2-methylbutane (i-C5)	
7: n-pentane	
8: 2,2-dimethylbutane	
9: cyclopentane	1
10: 2,3-dimethylbutane	
11: 2-methylpentane	
12: 3-methylpentane	
13: n-hexane	
14: methylcyclopentane	
15: 2,2-dimethylpentane	
16: benzene	
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	
22: 2-methylhexane	
23: 2,3-dimethylpentane	
24: 1c3-dimethylcyclopentane	
25: 3-methylhexane	
26: 1t3-dimethylcyclopentane	
27: 1t2-dimethylcyclopentane	
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	755
30: n-heptane	
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	
35: ethylcyclopentane	
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	
40: toluene	4

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	
monobranched	
polybranched	
Alkanes/cycloalkanes (%)	
normal C7	
cycloalkanes	
branched alkanes	
Alkanes/cycloalkanes (%)	
normal C7	0.00
cycloalkanes	0.00
aromatics	100.00

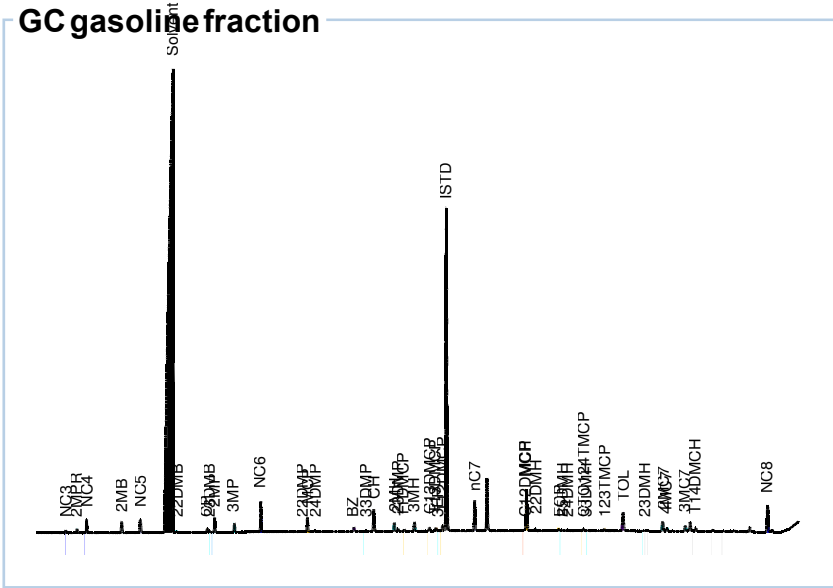
Parameters	
C7 fraction %	
C7 temperature (RWK)	
C7 temperature (HOU)	
C7 VR/E	
Prime sum	
PCI	
Ring preference	
Three membered rings %	0.00
Five membered rings %	0.00
Six membered rings %	100.00

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



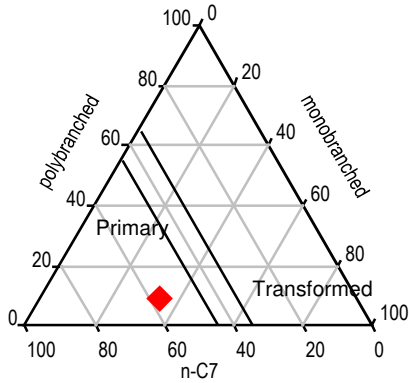
Country	United States	Sample id	FPC_1158623
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5930.2ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

GC gasoline fraction

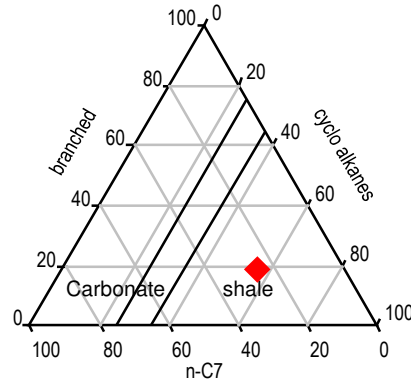


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	4
5: butane	16
6: 2-methylbutane (i-C5)	19
7: n-pentane	27
8: 2,2-dimethylbutane	2
9: cyclopentane	6
10: 2,3-dimethylbutane	3
11: 2-methylpentane	19
12: 3-methylpentane	12
13: n-hexane	40
14: methylcyclopentane	23
15: 2,2-dimethylpentane	1
16: benzene	8
17: 2,4-dimethylpentane	2
18: 2,2,3-trimethylbutane	
19: Cyclohexane	39
20: 3,3-dimethylpentane	1
21: 1,1-dimethylcyclopentane	4
22: 2-methylhexane	15
23: 2,3-dimethylpentane	5
24: 1c3-dimethylcyclopentane	7
25: 3-methylhexane	17
26: 1t3-dimethylcyclopentane	6
27: 1t2-dimethylcyclopentane	11
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	632
30: n-heptane	57
31: 1c2-dimethylcyclopentane	2
32: methylcyclohexane	88
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	5
35: ethylcyclopentane	4
36: 2,5-dimethylhexane	2
37: 2,4-dimethylhexane	3
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	5
40: toluene	43

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.33
monobranched	33.57
polybranched	9.09
Alkanes/cycloalkanes (%)	
normal C7	25.87
cycloalkanes	54.89
branched alkanes	19.25
Alkanes/cycloalkanes (%)	
normal C7	37.72
cycloalkanes	45.89
aromatics	16.39

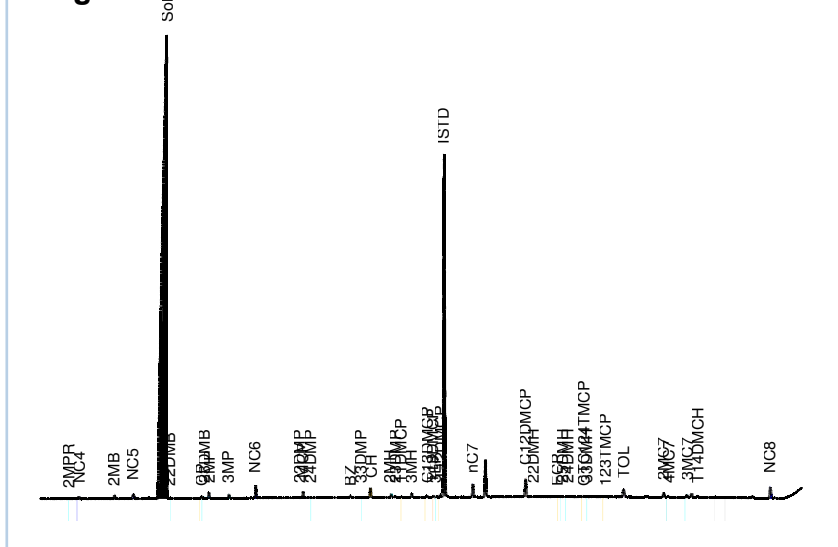
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.85
C7 temperature (HOU)	125.51
C7 VR/E	0.87
Prime sum	0.99
PCI	0.15
Ring preference	
Three membered rings %	20.54
Five membered rings %	16.29
Six membered rings %	63.18

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



Country	United States	Sample id	FPC_1158630
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	5927.1ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

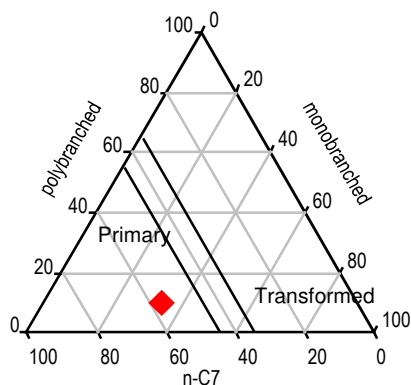
GC gasoline fraction



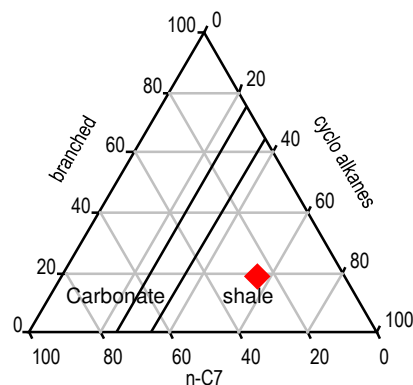
Peak areas

1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	6
7: n-pentane	10
8: 2,2-dimethylbutane	1
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	17
14: methylcyclopentane	9
15: 2,2-dimethylpentane	0
16: benzene	4
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	17
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	7
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	5
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	670
30: n-heptane	25
31: 1c2-dimethylcyclopentane	39
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	3
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	19

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)

normal C7	57.08
monobranched	33.11
polybranched	9.82

Alkanes/cycloalkanes (%)

normal C7	25.70
cycloalkanes	54.97
branched alkanes	19.33

Alkanes/cycloalkanes (%)

normal C7	37.71
cycloalkanes	46.03
aromatics	16.27

Parameters

C7 fraction %	
C7 temperature (RWK)	134.58
C7 temperature (HOU)	122.23
C7 VR/E	0.88
Prime sum	0.70
PCI	-0.00

Ring preference

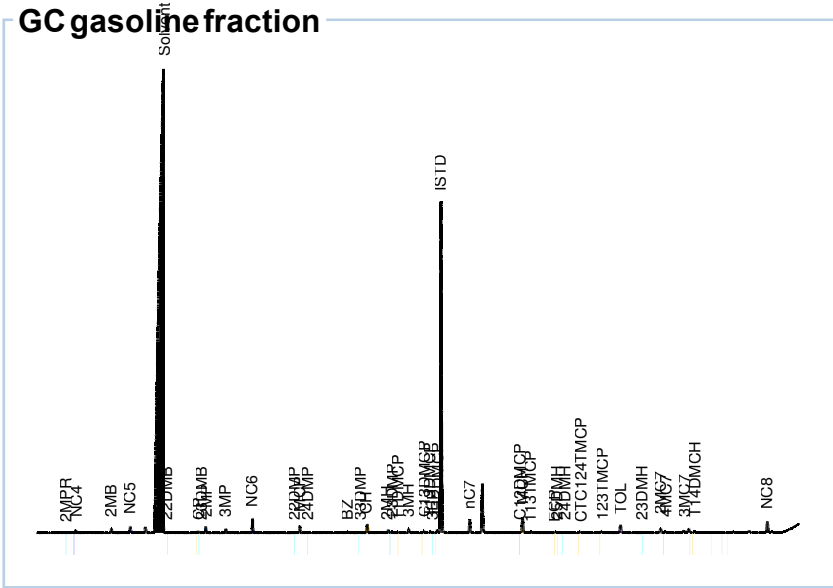
Three membered rings %	20.62
Five membered rings %	58.65
Six membered rings %	20.73

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



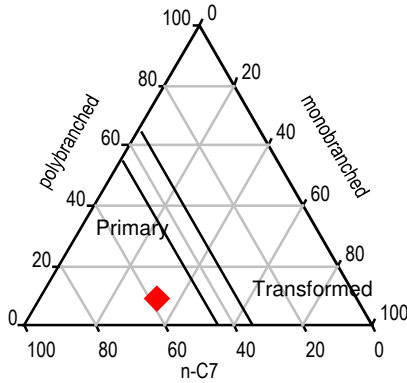
Country	United States	Sample id	FPC_1158645
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6460.8ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

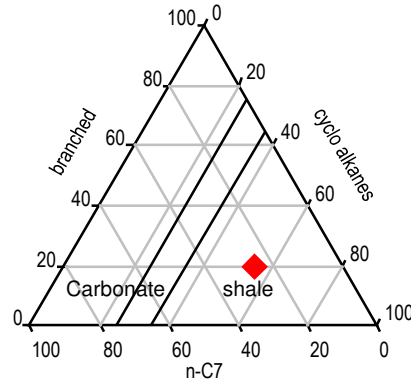


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	1
5: butane	3
6: 2-methylbutane (i-C5)	7
7: n-pentane	12
8: 2,2-dimethylbutane	0
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	19
14: methylcyclopentane	11
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	15
20: 3,3-dimethylpentane	0
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	7
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	6
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	633
30: n-heptane	25
31: 1c2-dimethylcyclopentane	1
32: methylcyclohexane	32
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	18

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.50
monobranched	32.90
polybranched	9.60
Alkanes/cycloalkanes (%)	
normal C7	26.52
cycloalkanes	53.88
branched alkanes	19.60
Alkanes/cycloalkanes (%)	
normal C7	38.61
cycloalkanes	45.12
aromatics	16.27

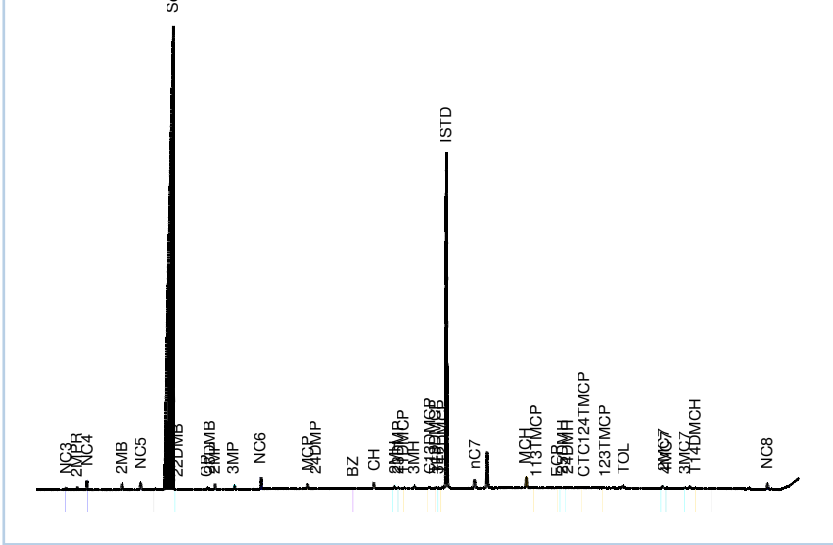
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.76
C7 temperature (HOU)	119.16
C7 VR/E	0.86
Prime sum	0.94
PCI	0.08
Ring preference	
Three membered rings %	21.09
Five membered rings %	20.25
Six membered rings %	58.66

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



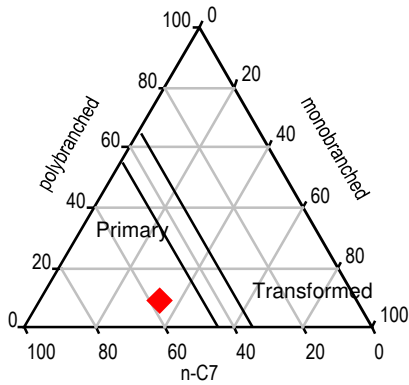
Country	United States	Sample id	FPC_1158646
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6472.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

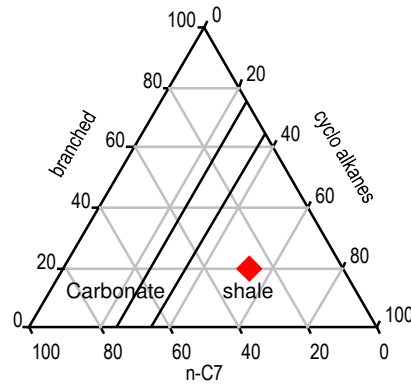


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	3
5: butane	11
6: 2-methylbutane (i-C5)	10
7: n-pentane	15
8: 2,2-dimethylbutane	1
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	7
12: 3-methylpentane	5
13: n-hexane	16
14: methylcyclopentane	8
15: 2,2-dimethylpentane	
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	11
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	5
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	4
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	659
30: n-heptane	17
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	22
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	6

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	57.33
monobranched	33.84
polybranched	8.83
Alkanes/cycloalkanes (%)	
normal C7	27.11
cycloalkanes	52.71
branched alkanes	20.18
Alkanes/cycloalkanes (%)	
normal C7	42.96
cycloalkanes	47.88
aromatics	9.16

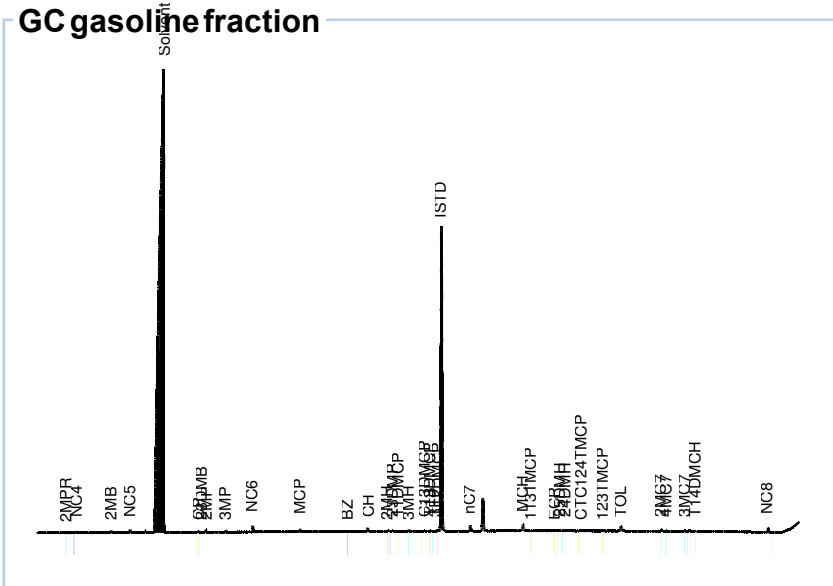
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.60
C7 temperature (HOU)	123.02
C7 VR/E	0.87
Prime sum	0.98
PCI	0.13
Ring preference	
Three membered rings %	24.32
Five membered rings %	21.83
Six membered rings %	53.85

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



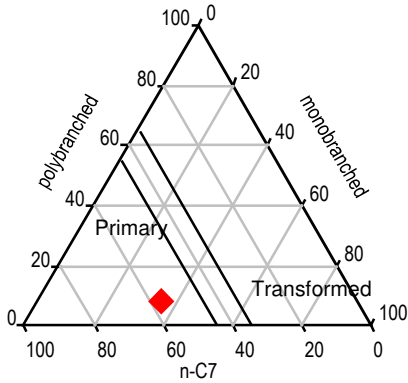
Country	United States	Sample id	FPC_1158647
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6481.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

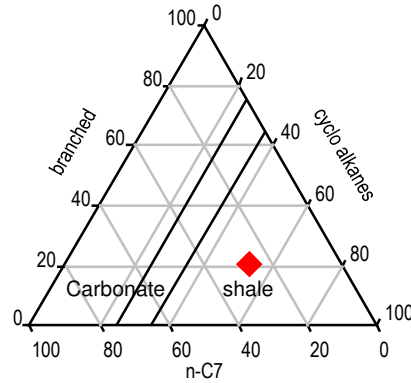


Peak areas	
1: Methane	
2: Ethane	
3: Propane	
4: 2-methylpropane (i-C4)	0
5: butane	2
6: 2-methylbutane (i-C5)	4
7: n-pentane	6
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	4
12: 3-methylpentane	3
13: n-hexane	9
14: methylcyclopentane	5
15: 2,2-dimethylpentane	
16: benzene	1
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	7
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	3
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	1
27: 1t2-dimethylcyclopentane	2
28: 3-ethylpentane	0
29: 2,2,4-trimethylpentane (Standard)	598
30: n-heptane	11
31: 1c2-dimethylcyclopentane	
32: methylcyclohexane	14
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	12

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.58
monobranched	35.24
polybranched	8.18
Alkanes/cycloalkanes (%)	
normal C7	27.08
cycloalkanes	52.13
branched alkanes	20.79
Alkanes/cycloalkanes (%)	
normal C7	37.35
cycloalkanes	40.67
aromatics	21.98

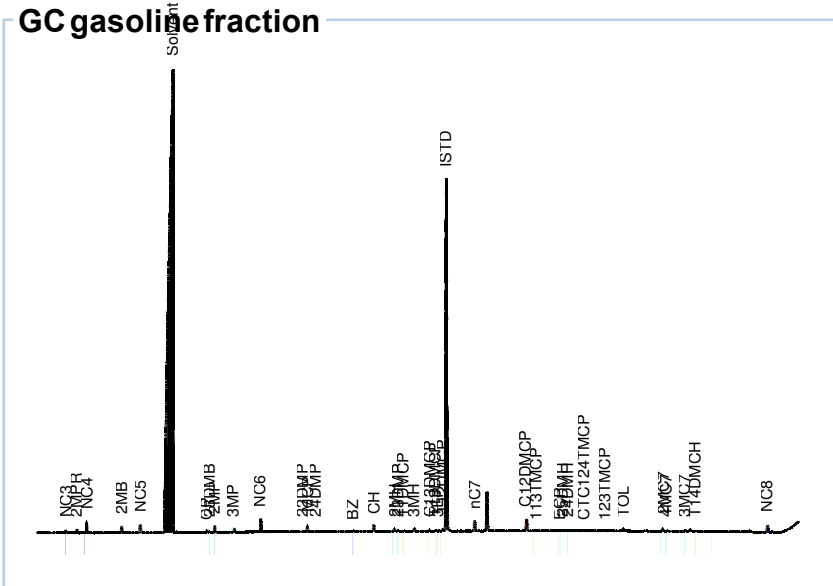
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.40
C7 temperature (HOU)	
C7 VR/E	0.85
Prime sum	1.00
PCI	
Ring preference	
Three membered rings %	20.57
Five membered rings %	17.68
Six membered rings %	61.75

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



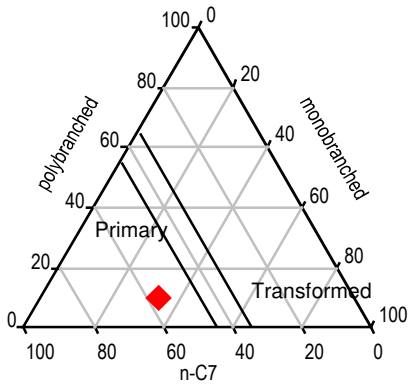
Country	United States	Sample id	FPC_1158648
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6492.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

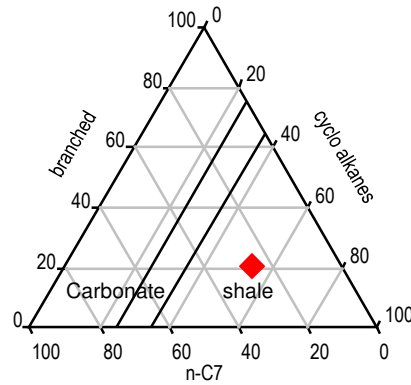


Peak areas	
1: Methane	
2: Ethane	
3: Propane	3
4: 2-methylpropane (i-C4)	4
5: butane	13
6: 2-methylbutane (i-C5)	11
7: n-pentane	17
8: 2,2-dimethylbutane	
9: cyclopentane	3
10: 2,3-dimethylbutane	1
11: 2-methylpentane	8
12: 3-methylpentane	5
13: n-hexane	18
14: methylcyclopentane	9
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	13
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	5
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	6
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	5
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	685
30: n-heptane	20
31: 1c2-dimethylcyclopentane	26
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	2
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	7

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.67
monobranched	33.26
polybranched	10.07
Alkanes/cycloalkanes (%)	
normal C7	26.67
cycloalkanes	52.93
branched alkanes	20.40
Alkanes/cycloalkanes (%)	
normal C7	42.90
cycloalkanes	48.24
aromatics	8.86

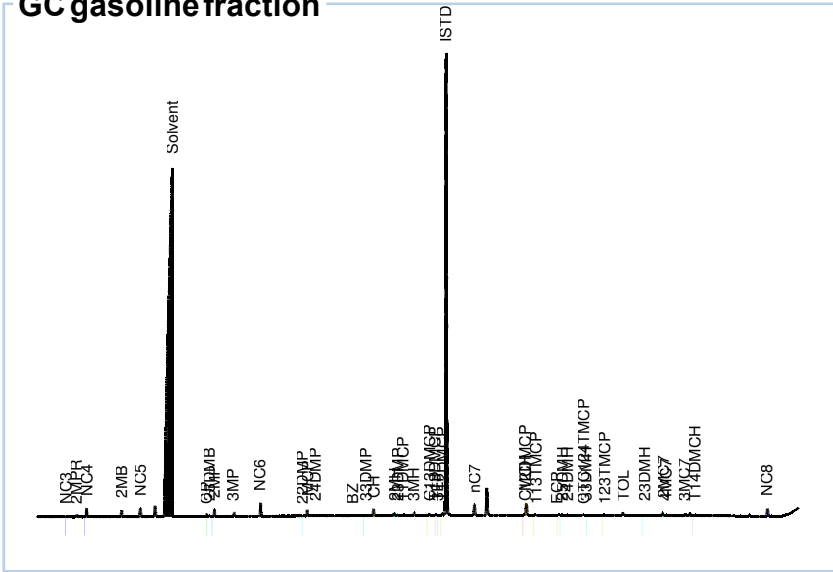
Parameters	
C7 fraction %	
C7 temperature (RWK)	132.91
C7 temperature (HOU)	124.31
C7 VR/E	0.86
Prime sum	0.67
PCI	0.01
Ring preference	
Three membered rings %	24.56
Five membered rings %	63.73
Six membered rings %	11.70

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



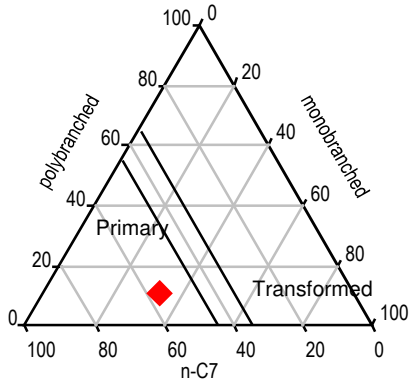
Country	United States	Sample id	FPC_1158650
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6521.3ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

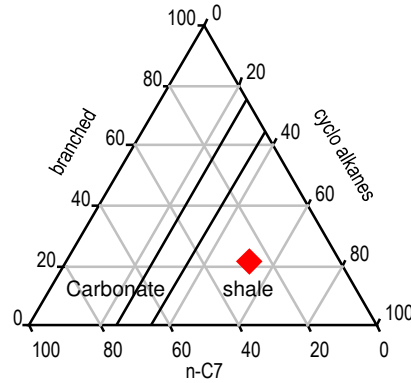


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	4
5: butane	12
6: 2-methylbutane (i-C5)	13
7: n-pentane	20
8: 2,2-dimethylbutane	
9: cyclopentane	4
10: 2,3-dimethylbutane	2
11: 2-methylpentane	11
12: 3-methylpentane	7
13: n-hexane	22
14: methylcyclopentane	12
15: 2,2-dimethylpentane	1
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	15
20: 3,3-dimethylpentane	1
21: 1,1-dimethylcyclopentane	2
22: 2-methylhexane	6
23: 2,3-dimethylpentane	3
24: 1c3-dimethylcyclopentane	3
25: 3-methylhexane	8
26: 1t3-dimethylcyclopentane	3
27: 1t2-dimethylcyclopentane	6
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	1119
30: n-heptane	26
31: 1c2-dimethylcyclopentane	1
32: methylcyclohexane	31
33: 1,1,3-trimethylcyclopentane	3
34: 2,2-dimethylhexane	
35: ethylcyclopentane	2
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	2
40: toluene	8

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	56.05
monobranched	32.80
polybranched	11.15
Alkanes/cycloalkanes (%)	
normal C7	27.09
cycloalkanes	51.67
branched alkanes	21.24
Alkanes/cycloalkanes (%)	
normal C7	44.62
cycloalkanes	47.71
aromatics	7.67

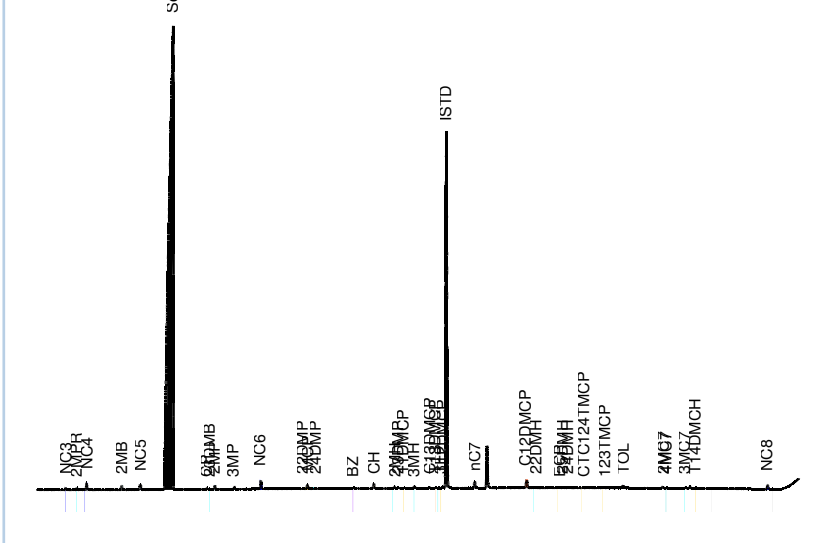
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.10
C7 temperature (HOU)	120.46
C7 VR/E	0.86
Prime sum	0.88
PCI	0.06
Ring preference	
Three membered rings %	26.15
Five membered rings %	22.96
Six membered rings %	50.89

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



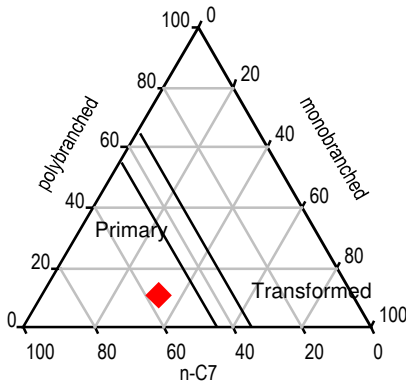
Country	United States	Sample id	FPC_1158652
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6514.1ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

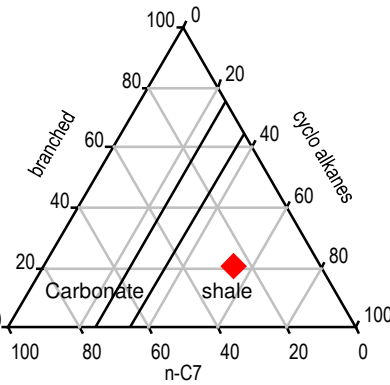


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	3
5: butane	8
6: 2-methylbutane (i-C5)	7
7: n-pentane	11
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	5
12: 3-methylpentane	3
13: n-hexane	11
14: methylcyclopentane	6
15: 2,2-dimethylpentane	0
16: benzene	2
17: 2,4-dimethylpentane	1
18: 2,2,3-trimethylbutane	
19: Cyclohexane	9
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	3
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	4
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	1
29: 2,2,4-trimethylpentane (Standard)	700
30: n-heptane	13
31: 1c2-dimethylcyclopentane	18
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	
34: 2,2-dimethylhexane	1
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	1
37: 2,4-dimethylhexane	1
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	6

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	55.79
monobranched	32.81
polybranched	11.40
Alkanes/cycloalkanes (%)	
normal C7	25.90
cycloalkanes	53.58
branched alkanes	20.52
Alkanes/cycloalkanes (%)	
normal C7	41.19
cycloalkanes	47.53
aromatics	11.28

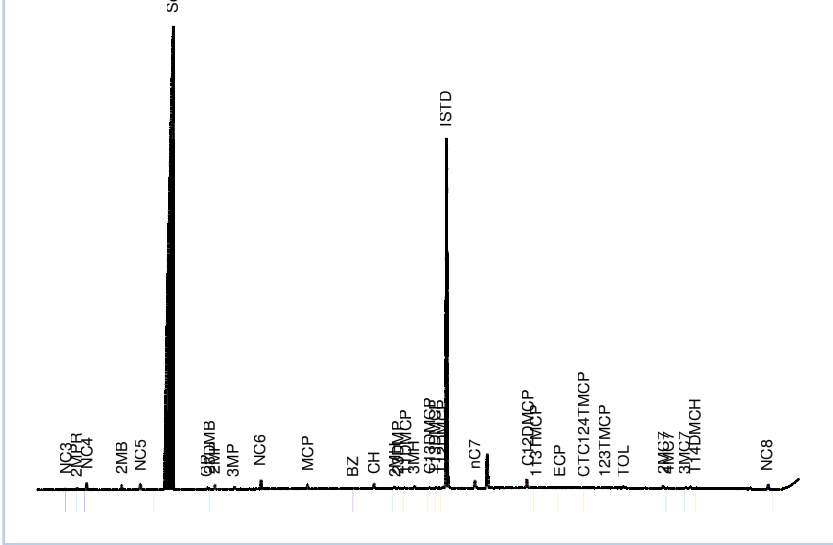
Parameters	
C7 fraction %	
C7 temperature (RWK)	130.75
C7 temperature (HOU)	122.60
C7 VR/E	0.84
Prime sum	0.63
PCI	-0.02
Ring preference	
Three membered rings %	23.64
Five membered rings %	61.72
Six membered rings %	14.64

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



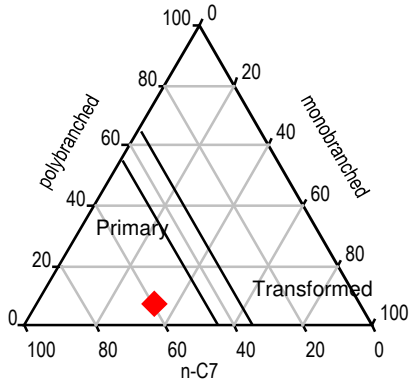
Country	United States	Sample id	FPC_1158653
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock
Field	BURGER	Depth	6500.5ft
Well name	OCS-Y-2321 BURGER J 001	Age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

GC gasoline fraction

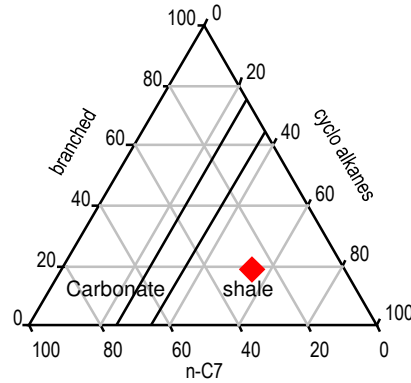


Peak areas	
1: Methane	
2: Ethane	
3: Propane	2
4: 2-methylpropane (i-C4)	3
5: butane	8
6: 2-methylbutane (i-C5)	8
7: n-pentane	12
8: 2,2-dimethylbutane	
9: cyclopentane	2
10: 2,3-dimethylbutane	1
11: 2-methylpentane	6
12: 3-methylpentane	4
13: n-hexane	13
14: methylcyclopentane	7
15: 2,2-dimethylpentane	
16: benzene	1
17: 2,4-dimethylpentane	
18: 2,2,3-trimethylbutane	
19: Cyclohexane	9
20: 3,3-dimethylpentane	
21: 1,1-dimethylcyclopentane	1
22: 2-methylhexane	4
23: 2,3-dimethylpentane	2
24: 1c3-dimethylcyclopentane	2
25: 3-methylhexane	5
26: 1t3-dimethylcyclopentane	2
27: 1t2-dimethylcyclopentane	3
28: 3-ethylpentane	
29: 2,2,4-trimethylpentane (Standard)	679
30: n-heptane	15
31: 1c2-dimethylcyclopentane	19
32: methylcyclohexane	
33: 1,1,3-trimethylcyclopentane	1
34: 2,2-dimethylhexane	
35: ethylcyclopentane	1
36: 2,5-dimethylhexane	
37: 2,4-dimethylhexane	
38: 2,2,3-trimethylpentane	
39: 1t2c4-trimethylcyclopentane	1
40: toluene	5

Alkane Distribution



Alkane/Cycloalkanes



C7 Alkanes (%)	
normal C7	59.00
monobranched	33.17
polybranched	7.83
Alkanes/cycloalkanes (%)	
normal C7	27.09
cycloalkanes	54.08
branched alkanes	18.83
Alkanes/cycloalkanes (%)	
normal C7	41.88
cycloalkanes	49.33
aromatics	8.78

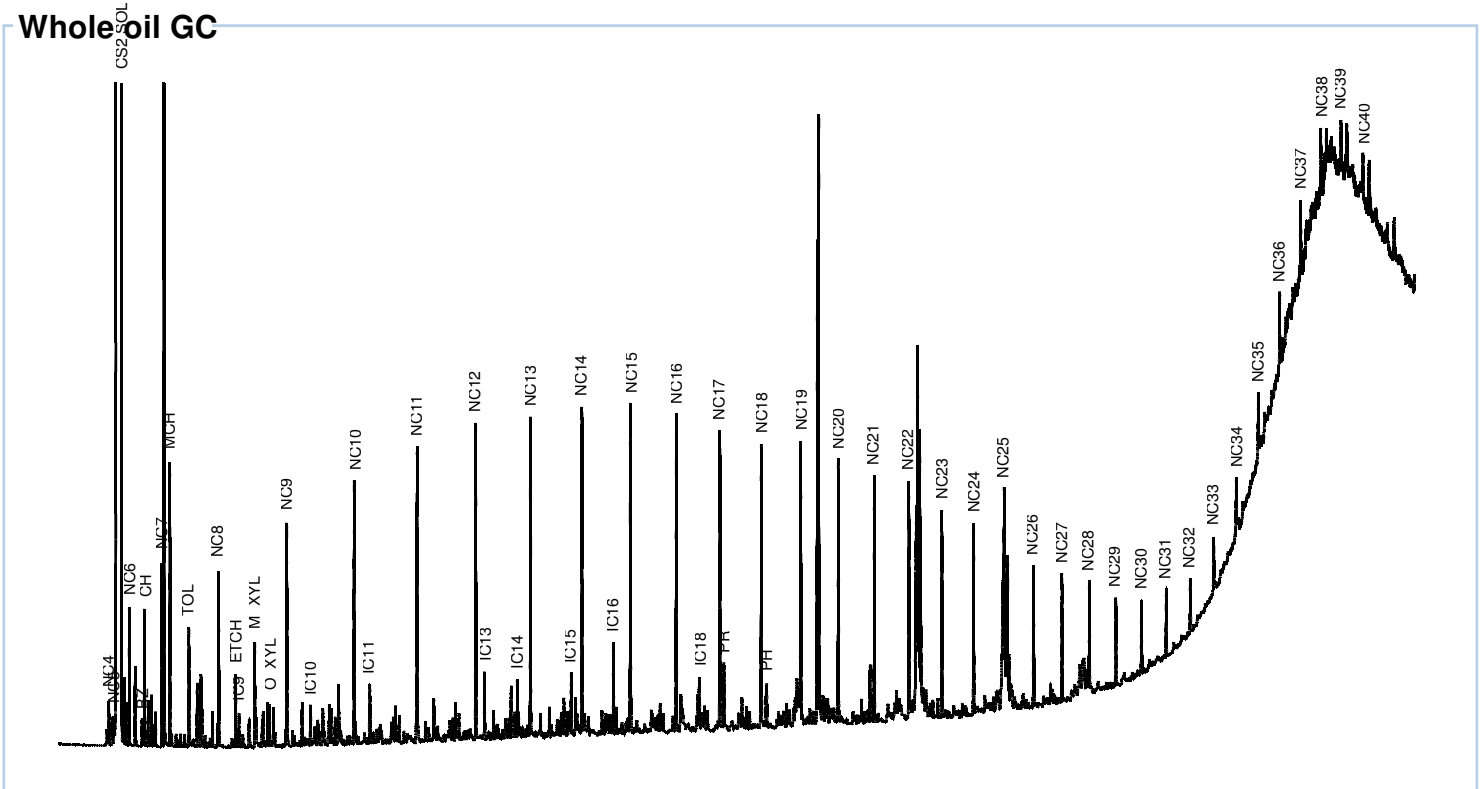
Parameters	
C7 fraction %	
C7 temperature (RWK)	133.17
C7 temperature (HOU)	
C7 VR/E	0.86
Prime sum	0.83
PCI	
Ring preference	
Three membered rings %	22.81
Five membered rings %	65.52
Six membered rings %	11.67

Comments: SAMPLE ANALYZED NEAT - LOW SIGNAL RESPONSE



Country	United States	Sample id	FPC_1158612
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5897.3ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.45
Pristane/n-C17	0.39
Phytane/n-C18	0.28
Alkane cracking index (ACI)	12.99
ACI correlation coefficient	-0.96
CPI	1.30
Wax ratio	0.90
Isoprenoid preference index (IPI)	1.23

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	
δ ¹³ C aromatics	



Country	United States	Sample id	FPC_1158612
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5897.3ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	2	
2-methylbutane		
n-C5	3	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	4	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	5	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	7	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	12	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

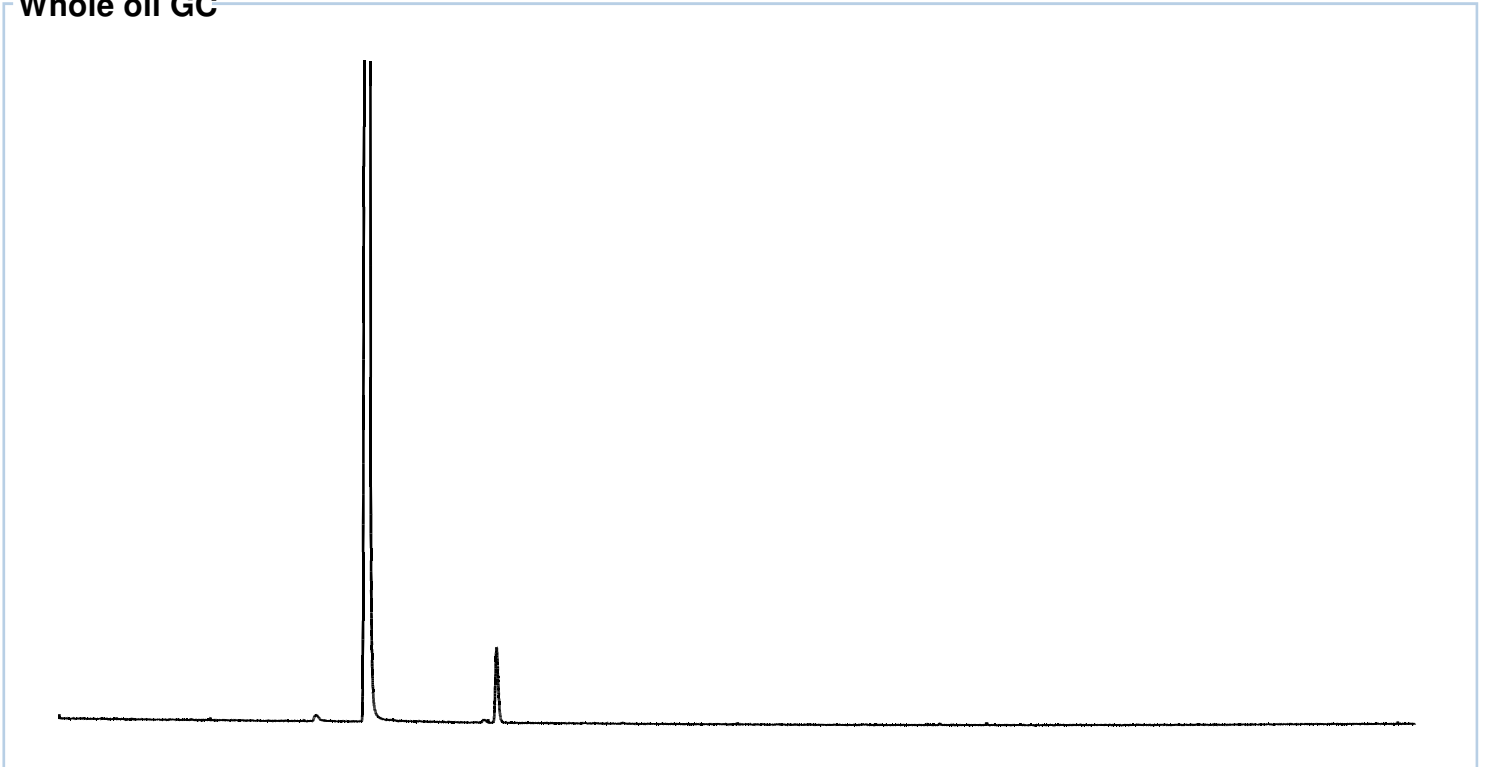
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	7	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	9	
ethylbenzene		
meta-xylene	8	
para-xylene		
meta+para-xylene		
ortho-xylene	3	
n-C9	13	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	4	
C25HBI		
Phenantrene		
i-C9	3	
i-C10	3	
i-C11	4	
n-C10	13	
n-C11	17	
i-C12		
n-C12	17	
i-C13	5	
i-C14	3	
n-C13	18	
i-C15	4	
n-C14	17	
i-C16	6	
n-C15	19	
n-C16	17	
i-C18	5	
n-C17	18	
pristane	7	
n-C18	17	
phytane	5	
n-C19	16	
n-C20	16	
n-C21	13	
n-C22	16	

Component	Cou...	ppm
n-C20	16	
n-C21	13	
n-C22	16	
n-C23	12	
n-C24	11	
n-C25	22	
n-C26	8	
n-C27	7	
n-C28	9	
n-C29	6	
n-C30	5	
n-C31	5	
n-C32	4	
n-C33	4	
n-C34	4	
n-C35	5	
n-C36	6	
n-C37	8	
n-C38	9	
n-C39	5	
n-C40	8	
n-C41		



Country	United States	Sample id	FPC_1158613
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5908.9ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	
Pristane/n-C17	
Phytane/n-C18	
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	
Wax ratio	
Isoprenoid preference index (IPI)	

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	-30.0
δ ¹³ C aromatics	-29.0



Country	United States	Sample id	FPC_1158613
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5908.9ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup C

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4		
2-methylbutane		
n-C5		
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6		
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene		
2,2,3-trimethylbutane		
cyclohexane		
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7		
1-cis-2-dimethylcyclopentan		
methylcyclohexane		
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

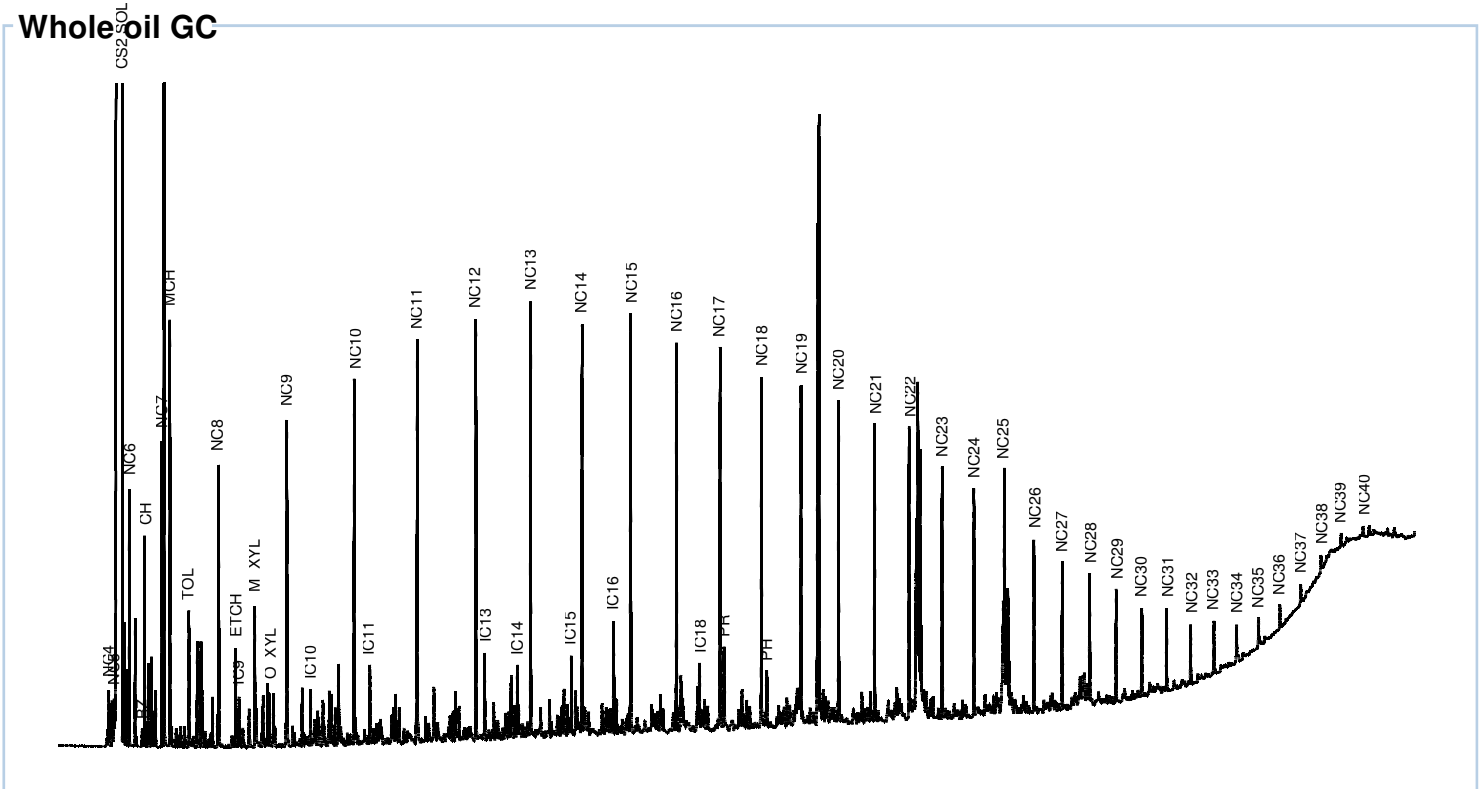
Component	Cou...	ppm
3,3-dimethylhexane		
toluene		
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8		
ethylbenzene		
meta-xylene		
para-xylene		
meta+para-xylene		
ortho-xylene		
n-C9		
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane		
C25HBI		
Phenantrene		
i-C9		
i-C10		
i-C11		
n-C10		
n-C11		
i-C12		
n-C12		
i-C13		
i-C14		
n-C13		
i-C15		
n-C14		
i-C16		
n-C15		
n-C16		
i-C18		
n-C17		
pristane		
n-C18		
phytane		
n-C19		
n-C20		
n-C21		
n-C22		

Component	Cou...	ppm
n-C20		
n-C21		
n-C22		
n-C23		
n-C24		
n-C25		
n-C26		
n-C27		
n-C28		
n-C29		
n-C30		
n-C31		
n-C32		
n-C33		
n-C34		
n-C35		
n-C36		
n-C37		
n-C38		
n-C39		
n-C40		
n-C41		



Country	United States	Sample id	FPC_1158615
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5934.7ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.37
Pristane/n-C17	0.37
Phytane/n-C18	0.29
Alkane cracking index (ACI)	14.86
ACI correlation coefficient	-0.98
CPI	1.27
Wax ratio	0.86
Isoprenoid preference index (IPI)	1.19

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.1
$\delta^{13}C$ aromatics	-29.1



Country	United States	Sample id	FPC_1158615
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5934.7ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	4	
2-methylbutane		
n-C5	6	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	11	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	11	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	16	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	25	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

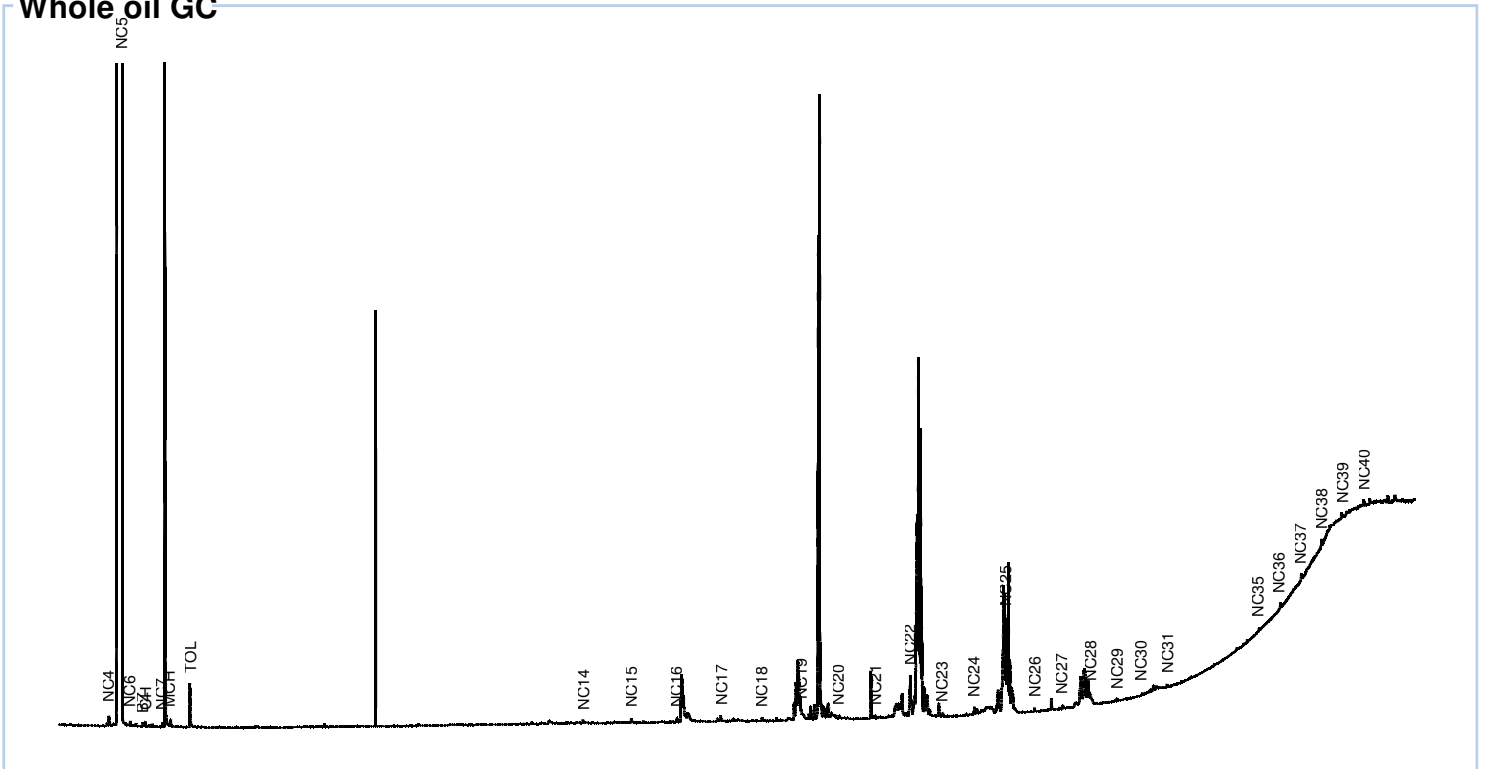
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	11	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	19	
ethylbenzene		
meta-xylene	10	
para-xylene		
meta+para-xylene		
ortho-xylene	5	
n-C9	25	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	7	
C25HBI		
Phenantrene		
i-C9	6	
i-C10	5	
i-C11	8	
n-C10	26	
n-C11	31	
i-C12		
n-C12	31	
i-C13	8	
i-C14	6	
n-C13	31	
i-C15	6	
n-C14	31	
i-C16	10	
n-C15	34	
n-C16	31	
i-C18	9	
n-C17	31	
pristane	11	
n-C18	29	
phytane	8	
n-C19	28	
n-C20	28	
n-C21	24	
n-C22	28	

Component	Cou...	ppm
n-C20	28	
n-C21	24	
n-C22	28	
n-C23	21	
n-C24	20	
n-C25	31	
n-C26	15	
n-C27	13	
n-C28	13	
n-C29	10	
n-C30	8	
n-C31	8	
n-C32	6	
n-C33	6	
n-C34	5	
n-C35	4	
n-C36	2	
n-C37	2	
n-C38	2	
n-C39	2	
n-C40	2	
n-C41		



Country	United States	Sample id	FPC_1158617
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5953.0ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	
Pristane/n-C17	
Phytane/n-C18	
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	2.30
Wax ratio	6.03
Isoprenoid preference index (IPI)	

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-29.2
$\delta^{13}C$ aromatics	-28.9



Country	United States	Sample id	FPC_1158617
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5953.0ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	1	
2-methylbutane		
n-C5	2616	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	0	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	0	
2,2,3-trimethylbutane		
cyclohexane	0	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	0	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	0	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

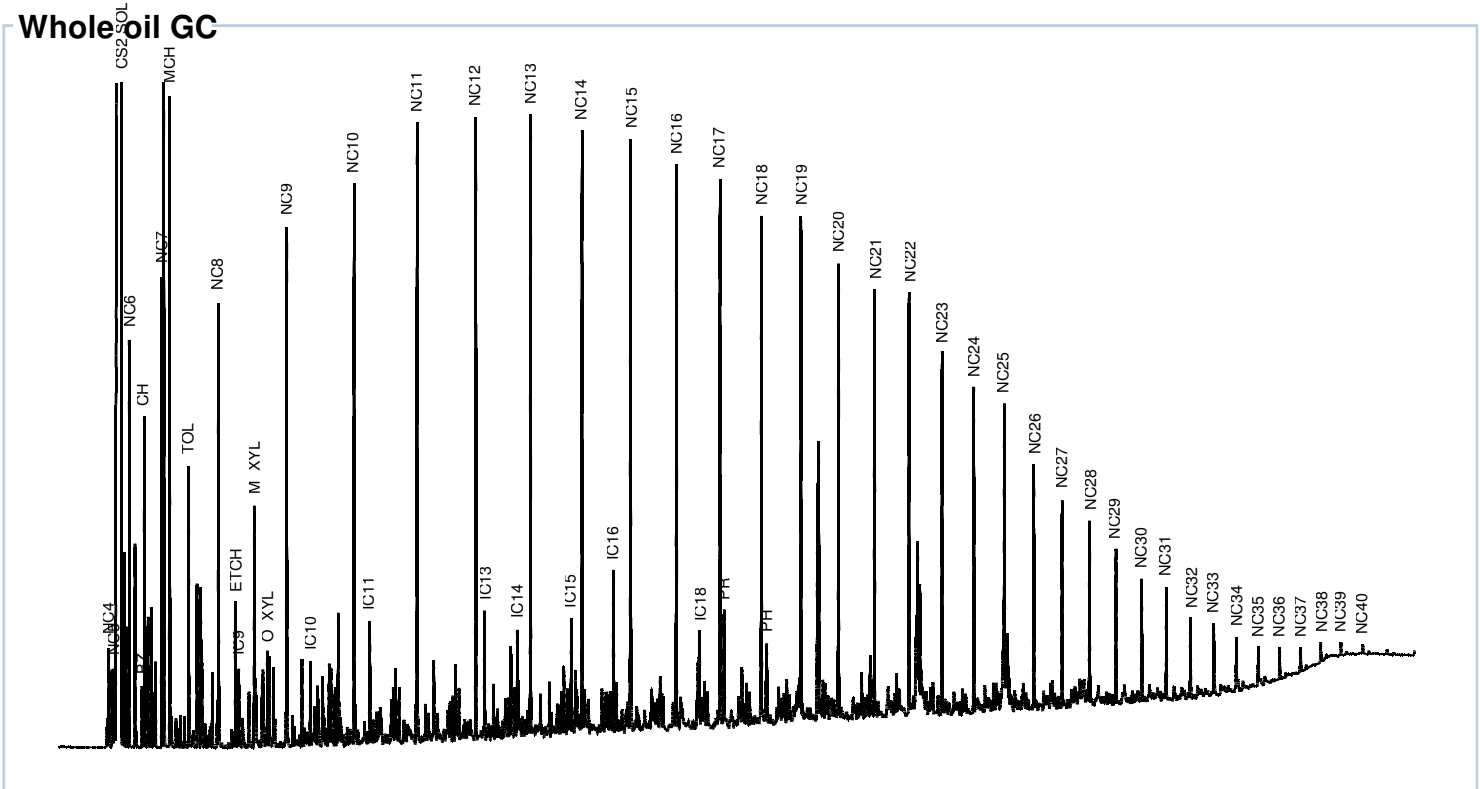
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	3	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8		
ethylbenzene		
meta-xylene		
para-xylene		
meta+para-xylene		
ortho-xylene		
n-C9		
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane		
C25HBI		
Phenantrene		
i-C9		
i-C10		
i-C11		
n-C10		
n-C11		
i-C12		
n-C12		
i-C13		
i-C14		
n-C13		
i-C15		
n-C14	0	
i-C16		
n-C15	1	
n-C16	0	
i-C18		
n-C17	1	
pristane		
n-C18	0	
phytane		
n-C19	1	
n-C20	1	
n-C21	0	
n-C22	5	

Component	Cou...	ppm
n-C20	1	
n-C21	0	
n-C22	5	
n-C23	1	
n-C24	1	
n-C25	9	
n-C26	0	
n-C27	0	
n-C28	3	
n-C29	0	
n-C30	0	
n-C31	0	
n-C32		
n-C33		
n-C34		
n-C35	0	
n-C36	1	
n-C37	1	
n-C38	1	
n-C39	1	
n-C40	2	
n-C41		



Country	United States	Sample id	FPC_1158623
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5930.2ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.29
Pristane/n-C17	0.37
Phytane/n-C18	0.30
Alkane cracking index (ACI)	14.90
ACI correlation coefficient	-0.99
CPI	1.15
Wax ratio	0.75
Isoprenoid preference index (IPI)	1.22

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	-30.0
δ ¹³ C aromatics	-29.0



Country	United States	Sample id	FPC_1158623
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5930.2ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	12	
2-methylbutane		
n-C5	20	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	30	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	6	
2,2,3-trimethylbutane		
cyclohexane	29	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	44	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	68	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

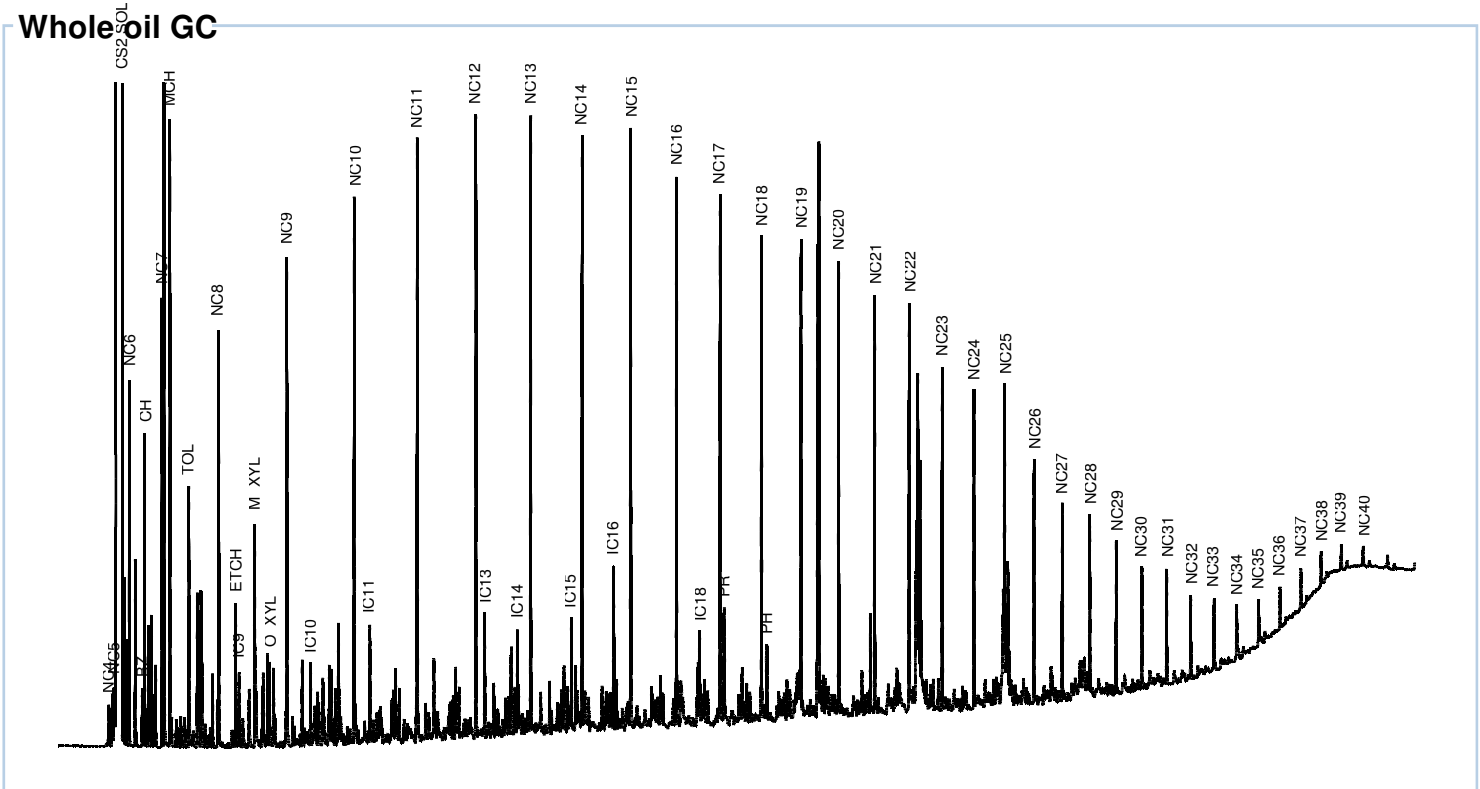
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	37	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	53	
ethylbenzene		
meta-xylene	31	
para-xylene		
meta+para-xylene		
ortho-xylene	14	
n-C9	64	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	20	
C25HBI		
Phenantrene		
i-C9	15	
i-C10	14	
i-C11	21	
n-C10	69	
n-C11	81	
i-C12		
n-C12	81	
i-C13	20	
i-C14	16	
n-C13	81	
i-C15	16	
n-C14	79	
i-C16	27	
n-C15	86	
n-C16	78	
i-C18	22	
n-C17	79	
pristane	29	
n-C18	75	
phytane	23	
n-C19	70	
n-C20	72	
n-C21	63	
n-C22	63	

Component	Cou...	ppm
n-C20	72	
n-C21	63	
n-C22	63	
n-C23	53	
n-C24	49	
n-C25	58	
n-C26	38	
n-C27	32	
n-C28	29	
n-C29	24	
n-C30	21	
n-C31	19	
n-C32	15	
n-C33	15	
n-C34	12	
n-C35	8	
n-C36	7	
n-C37	5	
n-C38	3	
n-C39	3	
n-C40	2	
n-C41		



Country	United States	Sample id	FPC_1158630
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5927.1ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.36
Pristane/n-C17	0.37
Phytane/n-C18	0.29
Alkane cracking index (ACI)	15.08
ACI correlation coefficient	-0.98
CPI	1.23
Wax ratio	0.82
Isoprenoid preference index (IPI)	1.16

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.0
$\delta^{13}C$ aromatics	-29.1



Country	United States	Sample id	FPC_1158630
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	5927.1ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup A

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	3	
2-methylbutane		
n-C5	7	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	14	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	3	
2,2,3-trimethylbutane		
cyclohexane	14	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	20	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	32	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

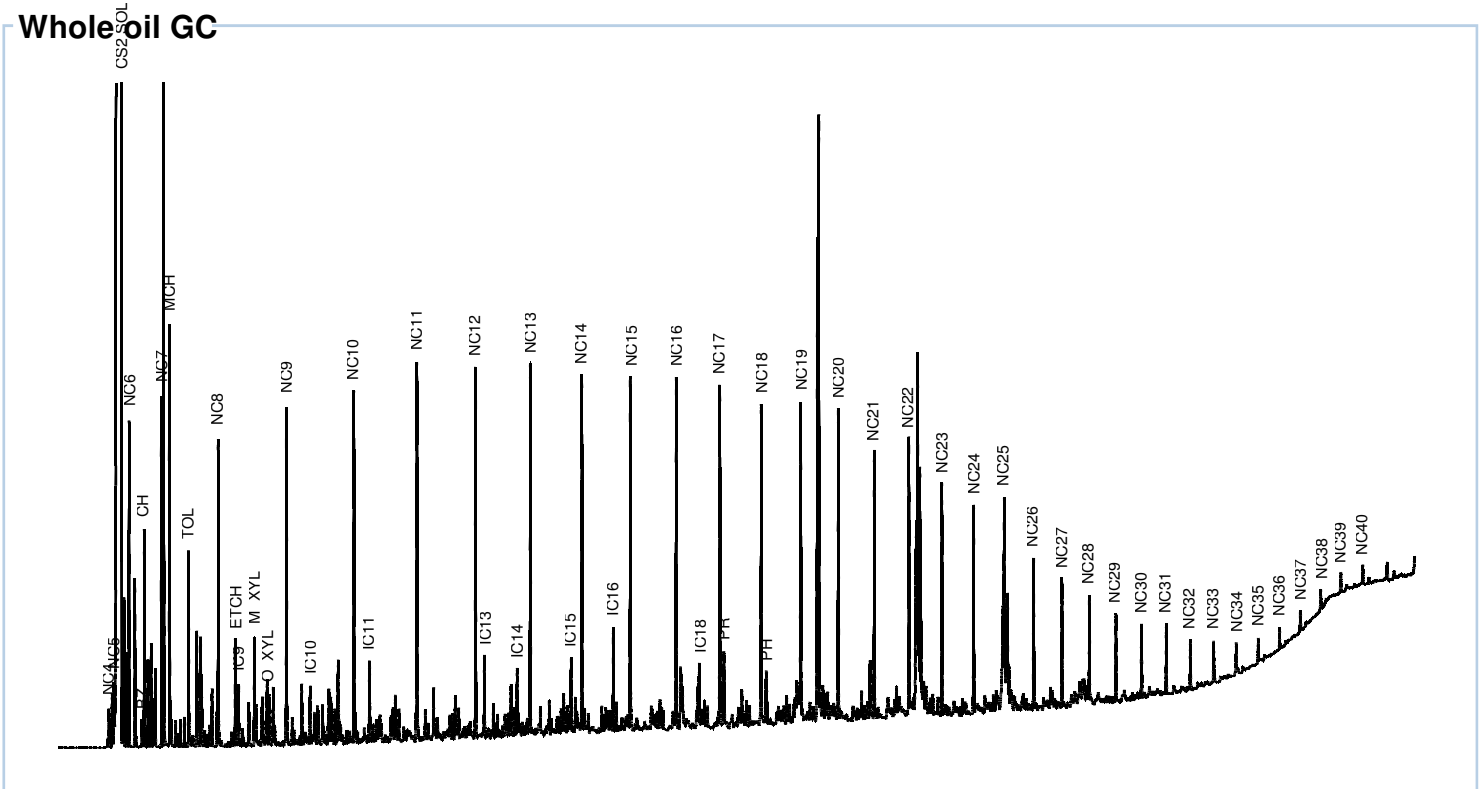
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	17	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	25	
ethylbenzene		
meta-xylene	14	
para-xylene		
meta+para-xylene		
ortho-xylene	7	
n-C9	33	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	9	
C25HBI		
Phenantrene		
i-C9	7	
i-C10	7	
i-C11	10	
n-C10	33	
n-C11	39	
i-C12		
n-C12	39	
i-C13	11	
i-C14	8	
n-C13	39	
i-C15	8	
n-C14	38	
i-C16	13	
n-C15	41	
n-C16	37	
i-C18	10	
n-C17	37	
pristane	14	
n-C18	35	
phytane	10	
n-C19	33	
n-C20	34	
n-C21	29	
n-C22	31	

Component	Cou...	ppm
n-C20	34	
n-C21	29	
n-C22	31	
n-C23	25	
n-C24	23	
n-C25	34	
n-C26	18	
n-C27	15	
n-C28	15	
n-C29	12	
n-C30	10	
n-C31	10	
n-C32	7	
n-C33	7	
n-C34	6	
n-C35	4	
n-C36	4	
n-C37	4	
n-C38	3	
n-C39	3	
n-C40	3	
n-C41		



Country	United States	Sample id	FPC_1158645
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6460.8ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup D

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.25
Pristane/n-C17	0.38
Phytane/n-C18	0.32
Alkane cracking index (ACI)	14.96
ACI correlation coefficient	-0.97
CPI	1.30
Wax ratio	0.82
Isoprenoid preference index (IPI)	1.27

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.1
$\delta^{13}C$ aromatics	-29.5



Country	United States	Sample id	FPC_1158645
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6460.8ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup C / A
Longitude	-163.4718517	Reservoir	Kup D

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	3	
2-methylbutane		
n-C5	8	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	14	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	2	
2,2,3-trimethylbutane		
cyclohexane	11	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	18	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	25	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

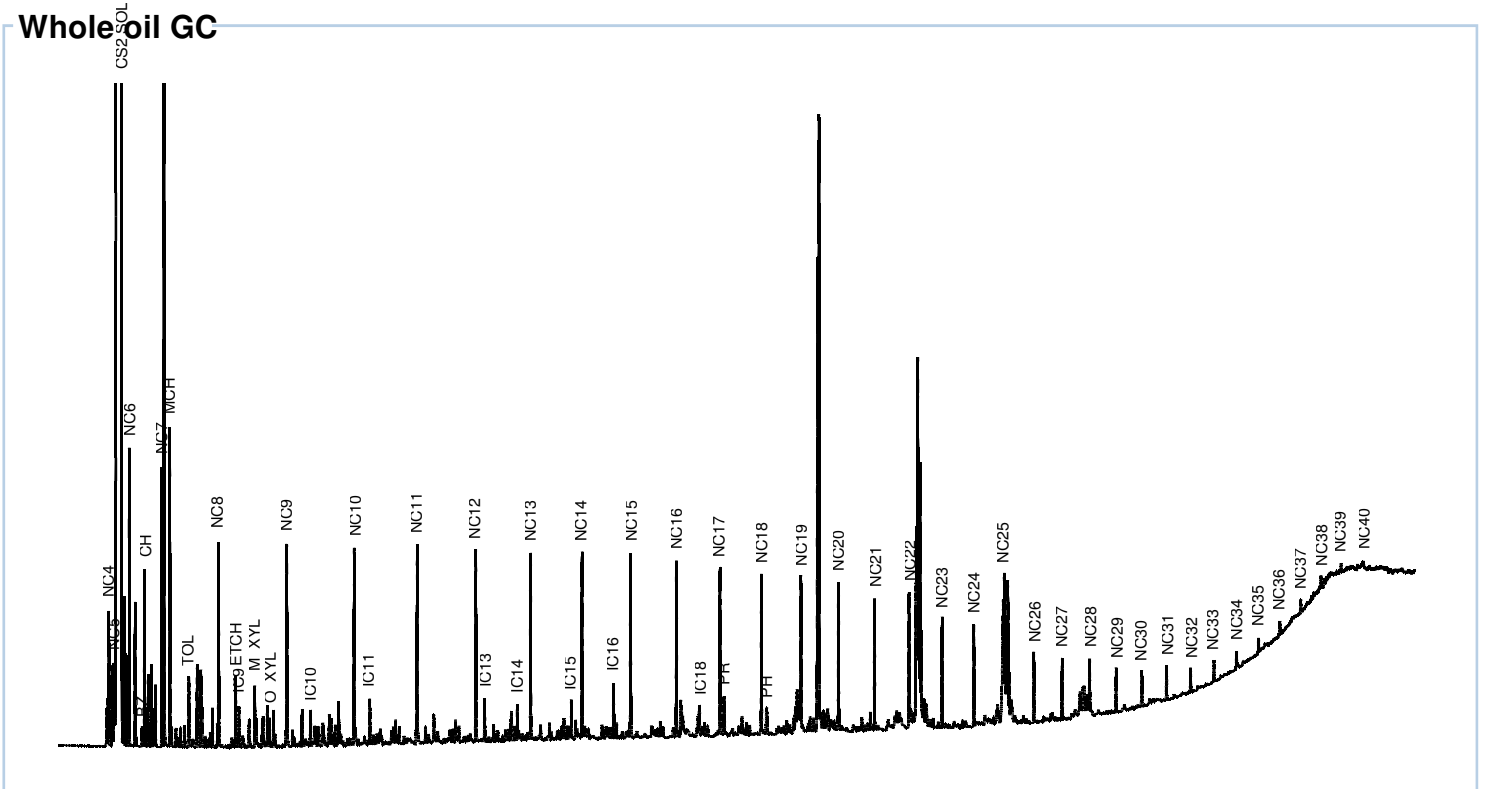
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	15	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	21	
ethylbenzene		
meta-xylene	8	
para-xylene		
meta+para-xylene		
ortho-xylene	5	
n-C9	26	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	8	
C25HBI		
Phenantrene		
i-C9	7	
i-C10	6	
i-C11	8	
n-C10	25	
n-C11	29	
i-C12		
n-C12	28	
i-C13	8	
i-C14	6	
n-C13	28	
i-C15	6	
n-C14	27	
i-C16	10	
n-C15	29	
n-C16	28	
i-C18	8	
n-C17	29	
pristane	11	
n-C18	27	
phytane	9	
n-C19	26	
n-C20	27	
n-C21	22	
n-C22	25	

Component	Cou...	ppm
n-C20	27	
n-C21	22	
n-C22	25	
n-C23	19	
n-C24	18	
n-C25	28	
n-C26	13	
n-C27	11	
n-C28	11	
n-C29	8	
n-C30	7	
n-C31	7	
n-C32	5	
n-C33	6	
n-C34	4	
n-C35	3	
n-C36	4	
n-C37	2	
n-C38	3	
n-C39	3	
n-C40	3	
n-C41		



Country	United States	Sample id	FPC_1158646
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6472.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.46
Pristane/n-C17	0.42
Phytane/n-C18	0.31
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	1.63
Wax ratio	1.03
Isoprenoid preference index (IPI)	1.19

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	-30.1
δ ¹³ C aromatics	-29.5



Country	United States	Sample id	FPC_1158646
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6472.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	8	
2-methylbutane		
n-C5	10	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	12	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	8	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	14	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	18	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

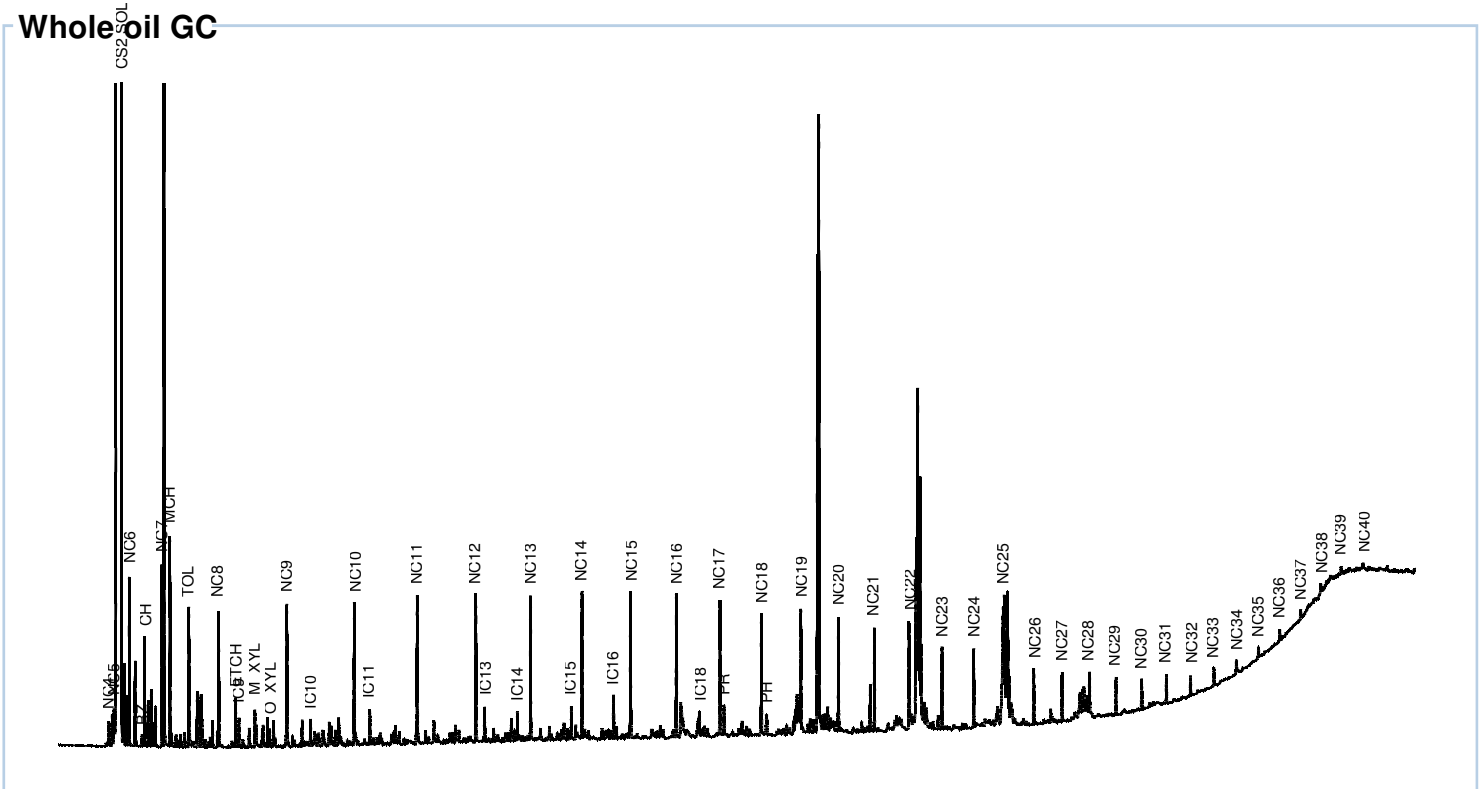
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	5	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	13	
ethylbenzene		
meta-xylene	6	
para-xylene		
meta+para-xylene		
ortho-xylene	3	
n-C9	16	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	5	
C25HBI		
Phenantrene		
i-C9	4	
i-C10	3	
i-C11	4	
n-C10	13	
n-C11	15	
i-C12		
n-C12	14	
i-C13	4	
i-C14	3	
n-C13	14	
i-C15	3	
n-C14	13	
i-C16	5	
n-C15	14	
n-C16	13	
i-C18	4	
n-C17	13	
pristane	6	
n-C18	12	
phytane	4	
n-C19	12	
n-C20	13	
n-C21	10	
n-C22	13	

Component	Cou...	ppm
n-C20	13	
n-C21	10	
n-C22	13	
n-C23	9	
n-C24	8	
n-C25	22	
n-C26	6	
n-C27	5	
n-C28	6	
n-C29	4	
n-C30	3	
n-C31	3	
n-C32	2	
n-C33	3	
n-C34	2	
n-C35	1	
n-C36	2	
n-C37	1	
n-C38	3	
n-C39	2	
n-C40	3	
n-C41		



Country	United States	Sample id	FPC_1158647
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6481.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.49
Pristane/n-C17	0.40
Phytane/n-C18	0.30
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	1.67
Wax ratio	1.09
Isoprenoid preference index (IPI)	1.11

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.1
$\delta^{13}C$ aromatics	-29.5



Country	United States	Sample id	FPC_1158647
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6481.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	1	
2-methylbutane		
n-C5	4	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	6	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	5	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	8	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	11	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

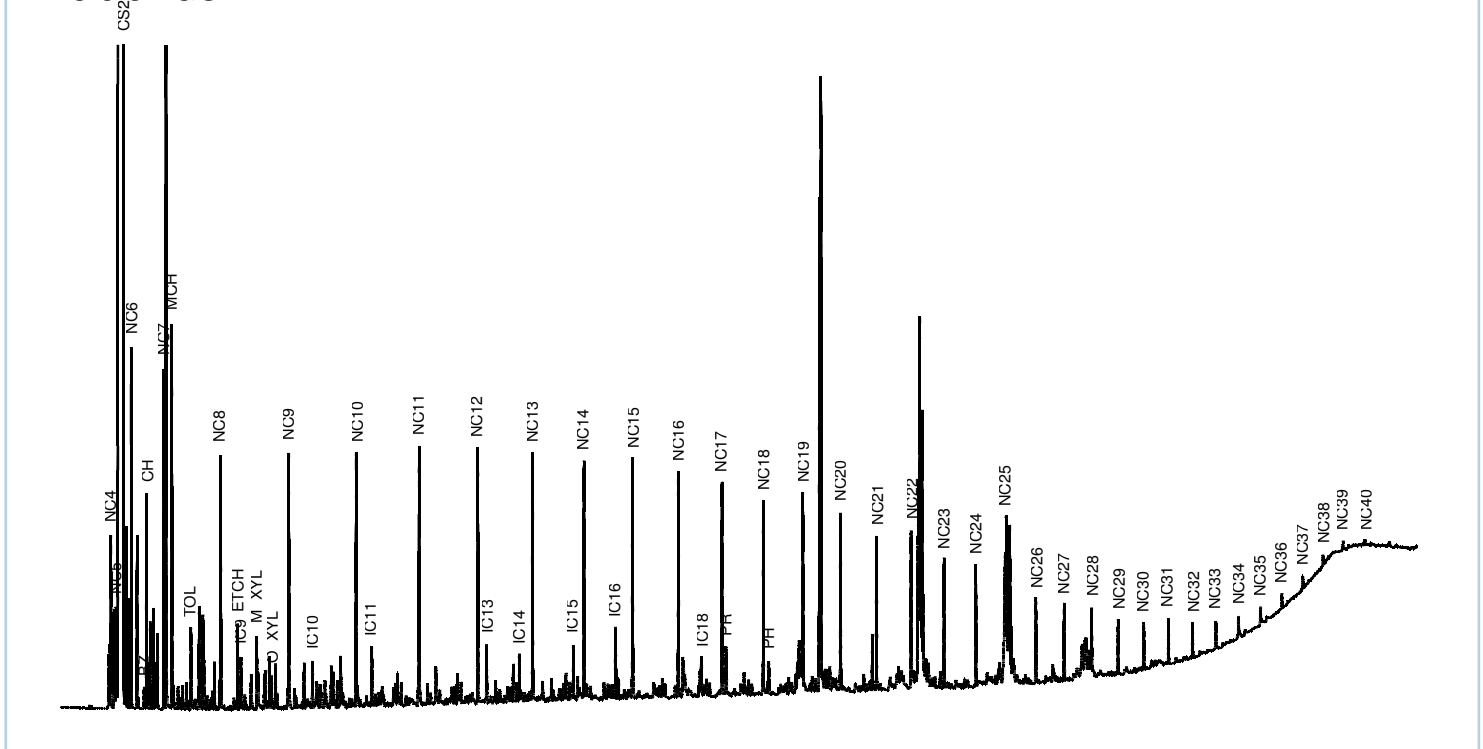
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	10	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	9	
ethylbenzene		
meta-xylene	3	
para-xylene		
meta+para-xylene		
ortho-xylene	2	
n-C9	11	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	3	
C25HBI		
Phenantrene		
i-C9	3	
i-C10	2	
i-C11	3	
n-C10	9	
n-C11	11	
i-C12		
n-C12	10	
i-C13	3	
i-C14	2	
n-C13	10	
i-C15	2	
n-C14	10	
i-C16	4	
n-C15	11	
n-C16	10	
i-C18	3	
n-C17	10	
pristane	4	
n-C18	9	
phytane	3	
n-C19	9	
n-C20	9	
n-C21	7	
n-C22	11	

Component	Cou...	ppm
n-C20	9	
n-C21	7	
n-C22	11	
n-C23	6	
n-C24	6	
n-C25	18	
n-C26	4	
n-C27	4	
n-C28	5	
n-C29	3	
n-C30	3	
n-C31	3	
n-C32	2	
n-C33	2	
n-C34	2	
n-C35	1	
n-C36	1	
n-C37	2	
n-C38	2	
n-C39	2	
n-C40	2	
n-C41		



Country	United States	Sample id	FPC_1158648
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6492.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.36
Pristane/n-C17	0.40
Phytane/n-C18	0.32
Alkane cracking index (ACI)	15.22
ACI correlation coefficient	-0.96
CPI	1.55
Wax ratio	0.96
Isoprenoid preference index (IPI)	1.12

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	-30.0
δ ¹³ C aromatics	-29.5



Country	United States	Sample id	FPC_1158648
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6492.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

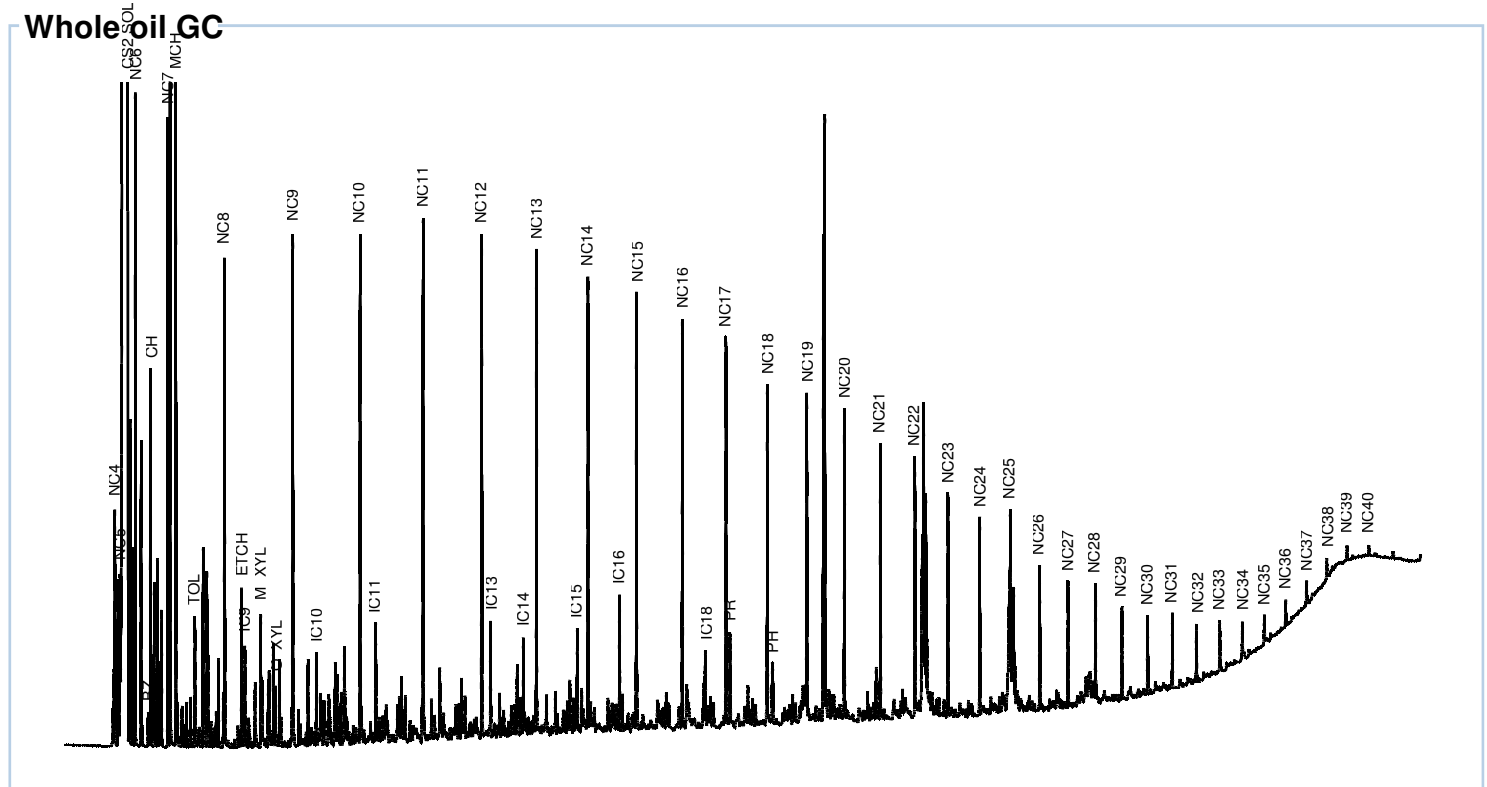
Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	10	
2-methylbutane		
n-C5	13	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	13	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	9	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	16	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	20	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

Component	Cou...	ppm
3,3-dimethylhexane		
toluene	6	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	15	
ethylbenzene		
meta-xylene	6	
para-xylene		
meta+para-xylene		
ortho-xylene	3	
n-C9	17	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	6	
C25HBI		
Phenantrene		
i-C9	5	
i-C10	4	
i-C11	5	
n-C10	16	
n-C11	18	
i-C12		
n-C12	17	
i-C13	5	
i-C14	4	
n-C13	17	
i-C15	4	
n-C14	16	
i-C16	6	
n-C15	17	
n-C16	15	
i-C18	5	
n-C17	15	
pristane	6	
n-C18	14	
phytane	4	
n-C19	14	
n-C20	14	
n-C21	11	
n-C22	14	

Component	Cou...	ppm
n-C20	14	
n-C21	11	
n-C22	14	
n-C23	9	
n-C24	9	
n-C25	23	
n-C26	7	
n-C27	6	
n-C28	7	
n-C29	4	
n-C30	4	
n-C31	4	
n-C32	3	
n-C33	3	
n-C34	2	
n-C35	2	
n-C36	2	
n-C37	1	
n-C38	1	
n-C39	1	
n-C40	1	
n-C41		



Country	United States	Sample id	FPC_1158650
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6521.3ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.45
Pristane/n-C17	0.45
Phytane/n-C18	0.34
Alkane cracking index (ACI)	15.05
ACI correlation coefficient	-0.98
CPI	1.32
Wax ratio	0.77
Isoprenoid preference index (IPI)	1.15

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.1
$\delta^{13}C$ aromatics	-29.5



Country	United States	Sample id	FPC_1158650
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6521.3ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	11	
2-methylbutane		
n-C5	16	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	20	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	2	
2,2,3-trimethylbutane		
cyclohexane	13	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	23	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	29	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

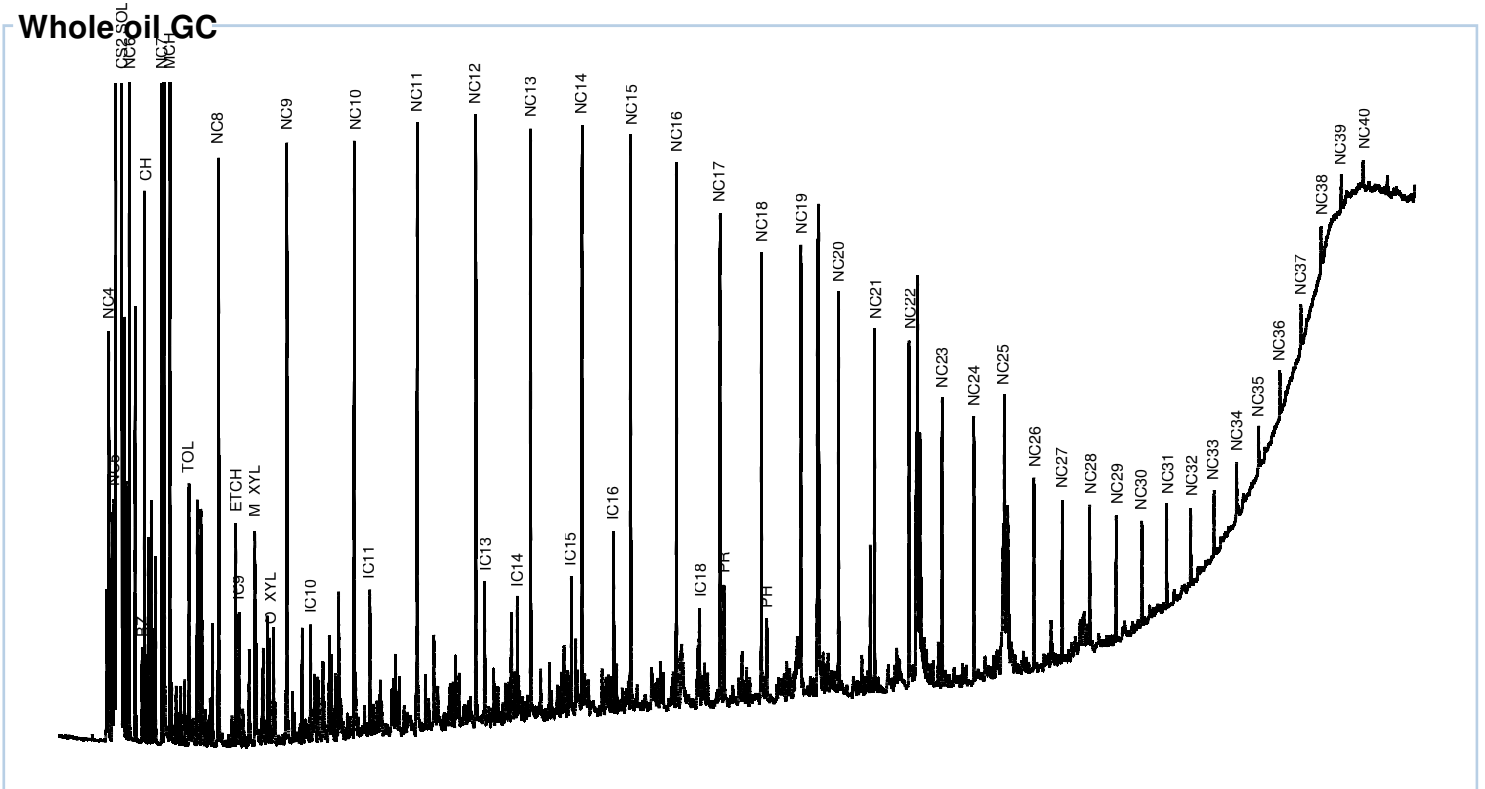
Component	Cou...	ppm
3,3-dimethylhexane		
toluene	7	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	24	
ethylbenzene		
meta-xylene	9	
para-xylene		
meta+para-xylene		
ortho-xylene	4	
n-C9	28	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	9	
C25HBI		
Phenantrene		
i-C9	8	
i-C10	6	
i-C11	9	
n-C10	26	
n-C11	28	
i-C12		
n-C12	27	
i-C13	8	
i-C14	6	
n-C13	26	
i-C15	6	
n-C14	25	
i-C16	9	
n-C15	26	
n-C16	23	
i-C18	7	
n-C17	22	
pristane	10	
n-C18	20	
phytane	7	
n-C19	19	
n-C20	20	
n-C21	16	
n-C22	17	

Component	Cou...	ppm
n-C20	20	
n-C21	16	
n-C22	17	
n-C23	13	
n-C24	12	
n-C25	20	
n-C26	9	
n-C27	7	
n-C28	8	
n-C29	6	
n-C30	5	
n-C31	5	
n-C32	4	
n-C33	5	
n-C34	3	
n-C35	2	
n-C36	2	
n-C37	2	
n-C38	2	
n-C39	2	
n-C40	1	
n-C41		



Country	United States	Sample id	FPC_1158652
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6514.1ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Whole oil GC



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.48
Pristane/n-C17	0.42
Phytane/n-C18	0.31
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	1.30
Wax ratio	0.77
Isoprenoid preference index (IPI)	1.06

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
δ ¹³ C saturates	-30.1
δ ¹³ C aromatics	-29.5



Country	United States	Sample id	FPC_1158652
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6514.1ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

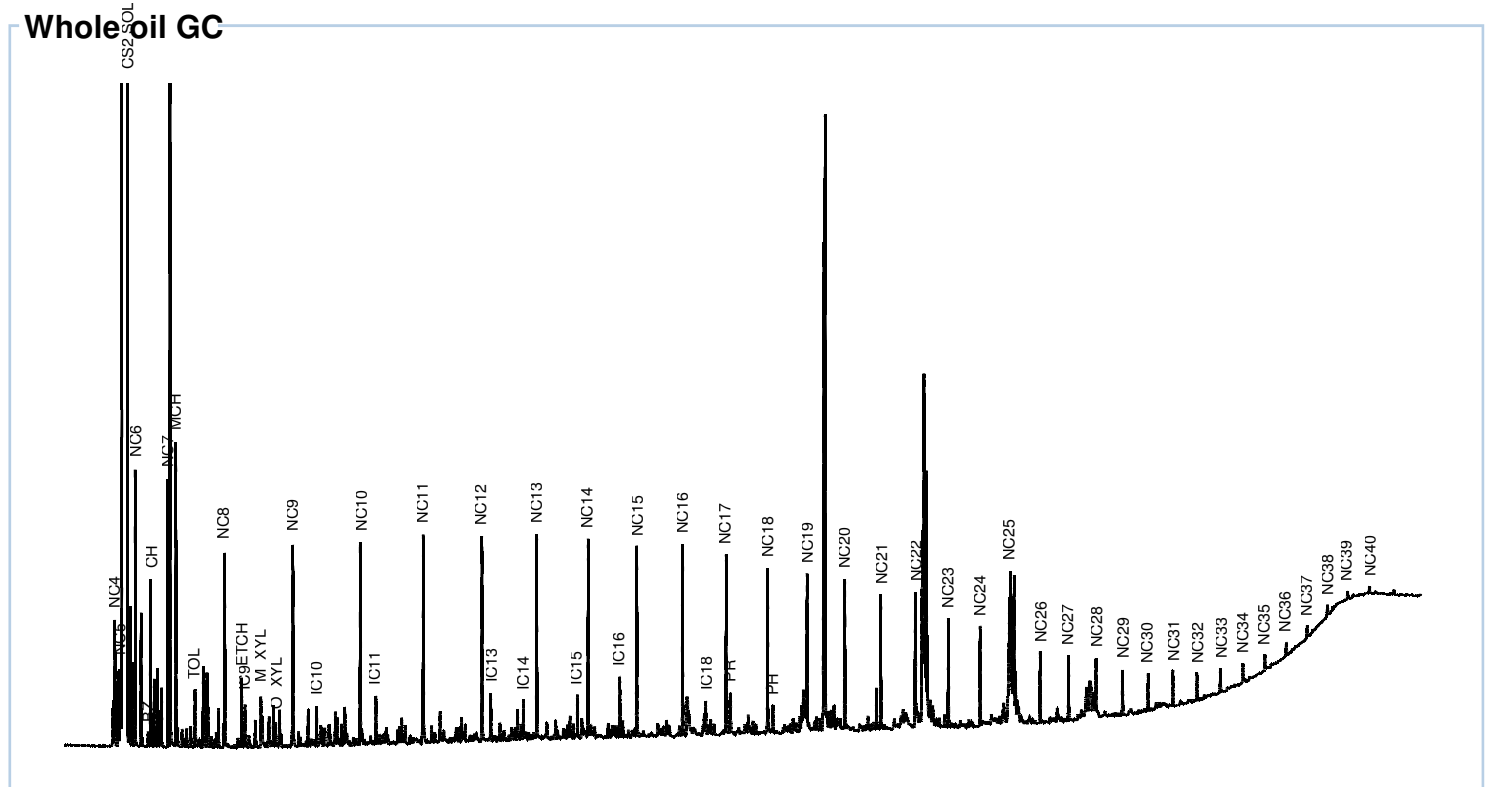
Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	6	
2-methylbutane		
n-C5	8	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	8	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	6	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	10	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	13	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

Component	Cou...	ppm
3,3-dimethylhexane		
toluene	5	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	10	
ethylbenzene		
meta-xylene	5	
para-xylene		
meta+para-xylene		
ortho-xylene	3	
n-C9	11	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	4	
C25HBI		
Phenantrene		
i-C9	3	
i-C10	3	
i-C11	4	
n-C10	10	
n-C11	12	
i-C12		
n-C12	11	
i-C13	4	
i-C14	3	
n-C13	11	
i-C15	3	
n-C14	11	
i-C16	4	
n-C15	11	
n-C16	10	
i-C18	3	
n-C17	10	
pristane	4	
n-C18	9	
phytane	3	
n-C19	8	
n-C20	8	
n-C21	7	
n-C22	7	

Component	Cou...	ppm
n-C20	8	
n-C21	7	
n-C22	7	
n-C23	6	
n-C24	5	
n-C25	9	
n-C26	4	
n-C27	3	
n-C28	3	
n-C29	3	
n-C30	2	
n-C31	2	
n-C32	2	
n-C33	2	
n-C34	1	
n-C35	1	
n-C36	1	
n-C37	1	
n-C38	1	
n-C39	1	
n-C40	1	
n-C41		



Country	United States	Sample id	FPC_1158653
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6500.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D



Comments: NEAT SAMPLE INJECTION

Parameters	value
Pristane/phytane	1.37
Pristane/n-C17	0.40
Phytane/n-C18	0.32
Alkane cracking index (ACI)	
ACI correlation coefficient	
CPI	1.46
Wax ratio	0.99
Isoprenoid preference index (IPI)	1.13

Parameters	value
API	
Water content (wt%)	
Sulphur (wt%)	
TAN	
TBN	
Nickel	
Vanadium	
Ni/V	
$\delta^{13}C$ saturates	-30.1
$\delta^{13}C$ aromatics	-29.5



Country	United States	Sample id	FPC_1158653
Basin	UNKNOWN	Project	ZZPT/027520/010101
Lease	OCS-Y-2321	Request	FPC6196
Block	POSEY 6912	Sample type	Rock/Sidewall
Field	BURGER	Depth	6500.5ft
Well name	OCS-Y-2321 BURGER J 001	Res. age	Early Cretaceous
Latitude	71.1733498	Formation	Kup D
Longitude	-163.4718517	Reservoir	Kup D

Component	Cou...	ppm
Internalstandard		0
Sample amount (W%)	100	
Ethane		
Propane		
2-methylpropane		
n-C4	7	
2-methylbutane		
n-C5	9	
2,2-dimethylpropane		
2,2-dimethylbutane		
cyclopentane		
2,3-dimethylbutane		
2,3-dimethylbutane+cyclopent.		
2-methylpentane		
3-methylpentane		
n-C6	9	
methylcyclopentane		
2,2-dimethylpentane		
2,4-dimethylpentane		
benzene	1	
2,2,3-trimethylbutane		
cyclohexane	7	
3,3-dimethylpentane		
1,1-dimethylcyclopentane		
2-methylhexane		
2,3-dimethylpentane		
1-cis-3-dimethylcyclopentane		
3-methylhexane		
1-trans-3-dimethylcyclopentane		
1-trans-2-dimethylcyclopentane		
3-ethylpentane		
2,2,4-trimethylpentane		
n-C7	11	
1-cis-2-dimethylcyclopentan		
methylcyclohexane	14	
methylcyclohexane + 1C2-DMCP		
1,1,3-trimethylcyclopentane		
2,2-dimethylhexane		
ethylcyclopentane		
2,5-dimethylhexane		
2,4-dimethylhexane		
2,3-Dimethylhexane		
4-methylheptane		
1,1-Dimethylcyclohexane		
2,2,3-trimethylpentane		
1,2,4-trimethylcyclopentane		
1,2,3-trimethylcyclopentane		

Component	Cou...	ppm
3,3-dimethylhexane		
toluene	4	
2,3,4-trimethylpentane		
1,1,2-trimethylcyclopentane		
n-C8	11	
ethylbenzene		
meta-xylene	4	
para-xylene		
meta+para-xylene		
ortho-xylene	2	
n-C9	14	
sopropylbenzene		
n-propyl-benzene		
1-ethyl,4-methylbenzene		
1-ethyl,3-methylbenzene		
1,3,5-trimethylbenzene		
1,3,5-trimethylbenzen		
ethyl,2methylbenzene		
2-methyl-heptane		
3-methyl-heptane		
ethyl-cyclohexane	4	
C25HBI		
Phenantrene		
i-C9	4	
i-C10	3	
i-C11	4	
n-C10	12	
n-C11	13	
i-C12		
n-C12	13	
i-C13	4	
i-C14	3	
n-C13	12	
i-C15	3	
n-C14	12	
i-C16	4	
n-C15	13	
n-C16	12	
i-C18	4	
n-C17	12	
pristane	5	
n-C18	11	
phytane	3	
n-C19	11	
n-C20	11	
n-C21	8	
n-C22	11	

Component	Cou...	ppm
n-C20	11	
n-C21	8	
n-C22	11	
n-C23	7	
n-C24	7	
n-C25	19	
n-C26	5	
n-C27	4	
n-C28	7	
n-C29	3	
n-C30	3	
n-C31	3	
n-C32	3	
n-C33	2	
n-C34	2	
n-C35	1	
n-C36	1	
n-C37	1	
n-C38	1	
n-C39	1	
n-C40	1	
n-C41		