

INTERPRETATION REPORT

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TITLE

Geochemical Analysis of Well NOCS 31/6-6 and 32/4-1

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GEOLAB PROJECT NO.

60429

DATE

06.10.97.

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REPORT NO./FILE

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BA 97-1770-1

20 OCT 1997

REGISTERED

OLVED-RECORDS

These GC data show that the samples are strongly affected by the drill mud. The mud seems to be a polyethylene glycol type mud.

Table 1 : Lithology description for well NOCS 31/6-6

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
1525.45	ccp			0112	
		100	Sltst	: lt gy, mic	0112-1L
1529.90	ccp			0113	
		100	Sltst	: lt gy, mic	0113-1L
1533.50	ccp			0114	
		100	Sh/Clst:	m drk gy	0114-1L
1537.50	ccp			0115	
		100	Sltst	: m gy to m ol gy, cly	0115-1L
1541.50	ccp			0116	
		100	Sltst	: m gy to m ol gy, cly, glauc	0116-1L
1553.45	ccp			0117	
		100	Sh/Clst:	m gy gn to m gy brn, crs, sft	0117-1L
1555.90	ccp			0118	
		100	S/Sst	: lt gy to w	0118-1L
1558.40	ccp			0119	
		100	S/Sst	: w	0119-1L
1561.40	ccp			0120	
		100	S/Sst	: w	0120-1L

Table 1 : Lithology description for well NOCS 31/6-6

Depth unit of measure: m

Depth	Type	Trb	Sample
Int	Cvd	TOC%	% Lithology description
1564.50	ccp		0121
		100 S/Sst	: lt gy, slt, f 0121-1L
1568.40	ccp		0122
		100 S/Sst	: m y gy, f, cly 0122-1L
1570.20	ccp		0123
		100 S/Sst	: lt gy to w 0123-1L
1572.80	ccp		0124
		100 S/Sst	: lt gy, f 0124-1L
1574.20	ccp		0125
		100 S/Sst	: lt gy, f 0125-1L
1580.00	ccp		0126
		100 S/Sst	: lt gy to m gy, f, cly 0126-1L
1584.00	ccp		0127
		100 S/Sst	: lt gy to w 0127-1L
1587.90	ccp		0128
		100 S/Sst	: lt gy to w 0128-1L
1592.20	ccp		0129
		100 S/Sst	: lt gy to w 0129-1L

Table 1 : Lithology description for well NOCS 31/6-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1599.00	ccp			0130
		100 S/Sst : lt gy to w		0130-1L
1604.00	ccp			0131
		100 S/Sst : lt gy		0131-1L
1608.50	ccp			0132
		100 S/Sst : lt gy		0132-1L
1613.50	ccp			0133
		100 S/Sst : lt gy		0133-1L
1618.45	ccp			0134
		100 Sltst : lt gy to m lt gy, mic		0134-1L
1625.35	ccp			0135
		100 S/Sst : lt gy to m lt gy		0135-1L
1630.40	ccp			0136
		100 S/Sst : lt gy to m lt gy, f		0136-1L
1636.00	ccp			0137
		100 Sltst : m ol gy to m y gy, cly		0137-1L
1641.00	ccp			0138
		100 S/Sst : m lt ol gy		0138-1L

Table 1 : Lithology description for well NOCS 31/6-6

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
1645.90	ccp				0139
		100 S/Sst	: m lt ol gy, cly		0139-1L
1651.00	ccp				0140
		100 Sltst	: m lt ol gy to m lt y gy, cly		0140-1L
1657.00	ccp				0141
		100 Sltst	: m lt ol gy to m lt y gy to m lt gy, bit		0141-1L

Table 2: Rock-Eval table for well NOCS 31/6-6

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Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1525.45	ccp		Sltst : lt gy	0.26	0.37	0.12	3.08	-	-	-	0.6	0.41	409	0112-1L
1529.90	ccp		Sltst : lt gy	0.29	0.60	0.10	6.00	-	-	-	0.9	0.33	421	0113-1L
1533.50	ccp		Sh/Clst: m drk gy	0.34	0.87	0.33	2.64	-	-	-	1.2	0.28	414	0114-1L
1537.50	ccp		Sltst : m gy to m ol gy	0.28	0.60	0.18	3.33	-	-	-	0.9	0.32	414	0115-1L
1541.50	ccp		Sltst : m gy to m ol gy	0.39	0.47	0.45	1.04	-	-	-	0.9	0.45	410	0116-1L
1553.45	ccp		Sh/Clst: m gy gn to m gy brn	0.37	0.40	1.59	0.25	-	-	-	0.8	0.48	428	0117-1L
1555.90	ccp		S/Sst : lt gy to w	0.57	0.91	0.48	1.90	-	-	-	1.5	0.39	423	0118-1L
1558.40	ccp		S/Sst : w	0.06	0.34	0.06	5.67	-	-	-	0.4	0.15	515	0119-1L
1561.40	ccp		S/Sst : w	0.14	0.49	0.09	5.44	-	-	-	0.6	0.22	519	0120-1L
1564.50	ccp		S/Sst : lt gy	0.36	0.45	0.10	4.50	-	-	-	0.8	0.44	441	0121-1L
1568.40	ccp		S/Sst : m y gy	0.50	0.58	0.24	2.42	-	-	-	1.1	0.46	438	0122-1L
1570.20	ccp		S/Sst : lt gy to w	0.19	0.39	0.47	0.83	-	-	-	0.6	0.33	444	0123-1L
1572.80	ccp		S/Sst : lt gy	0.44	1.48	0.43	3.44	-	-	-	1.9	0.23	538	0124-1L
1574.20	ccp		S/Sst : lt gy	0.17	0.48	0.14	3.43	-	-	-	0.6	0.26	477	0125-1L
1580.00	ccp		S/Sst : lt gy to m gy	3.37	7.60	3.10	2.45	-	-	-	11.0	0.31	413	0126-1L
1584.00	ccp		S/Sst : lt gy to w	0.16	0.59	0.23	2.57	-	-	-	0.8	0.21	531	0127-1L

Table 2: Rock-Eval table for well NOCS 31/6-6

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1587.90	ccp		S/Sst : lt gy to w	0.05	0.37	0.11	3.36	-	-	-	0.4	0.12	545	0128-1L
1592.20	ccp		S/Sst : lt gy to w	0.05	0.19	0.19	1.00	-	-	-	0.2	0.21	384	0129-1L
1599.00	ccp		S/Sst : lt gy to w	0.05	0.61	0.10	6.10	-	-	-	0.7	0.08	542	0130-1L
1604.00	ccp		S/Sst : lt gy	0.04	0.39	0.08	4.88	-	-	-	0.4	0.09	510	0131-1L
1608.50	ccp		S/Sst : lt gy	0.07	0.37	0.07	5.29	-	-	-	0.4	0.16	537	0132-1L
1613.50	ccp		S/Sst : lt gy	0.09	0.40	0.05	8.00	-	-	-	0.5	0.18	546	0133-1L
1618.45	ccp		Sltst : lt gy to m lt gy	0.30	0.94	0.36	2.61	-	-	-	1.2	0.24	543	0134-1L
1625.35	ccp		S/Sst : lt gy to m lt gy	0.27	0.86	0.21	4.10	-	-	-	1.1	0.24	520	0135-1L
1630.40	ccp		S/Sst : lt gy to m lt gy	0.20	0.65	0.18	3.61	-	-	-	0.8	0.24	544	0136-1L
1636.00	ccp		Sltst : m ol gy to m y gy	0.27	0.52	0.33	1.58	-	-	-	0.8	0.34	416	0137-1L
1641.00	ccp		S/Sst : m lt ol gy	0.20	0.30	0.21	1.43	-	-	-	0.5	0.40	483	0138-1L
1645.90	ccp		S/Sst : m lt ol gy	0.31	0.94	0.27	3.48	-	-	-	1.2	0.25	376	0139-1L
1651.00	ccp		Sltst : m lt ol gy to m lt y gy	0.29	0.55	0.25	2.20	-	-	-	0.8	0.35	415	0140-1L
1657.00	ccp		Sltst : m lt ol gy to m lt y gy to m lt gy	12.81	37.47	5.63	6.66	-	-	-	50.3	0.25	422	0141-1L

Table 3: Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 31/6-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1555.90	ccp	S/Sst : lt gy to w	14.40	27.83	43.96	13.82	0.91	0118-1L
1568.40	ccp	S/Sst : m y gy	16.52	33.08	44.71	5.68	0.58	0122-1L
1580.00	ccp	S/Sst : lt gy to m gy	17.48	19.86	40.99	21.68	7.60	0126-1L
1625.35	ccp	S/Sst : lt gy to m lt gy	26.26	24.27	38.50	10.97	0.86	0135-1L
1645.90	ccp	S/Sst : m lt ol gy	6.98	19.92	59.37	13.73	0.94	0139-1L

Table 1 : Lithology description for well NOCS 32/4-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1222.90	ccp			0001
			100	Sh/Clst: m lt gy, mic
				0001-1L
1225.50	ccp			0002
			100	Sltst : m lt gy, cly
				0002-1L
1226.50	ccp			0003
			100	Sltst : lt gy, mic
				0003-1L
1228.50	ccp			0004
			100	Sh/Clst: m lt gy, mic, slt
				0004-1L
1230.50	ccp			0005
			100	Sltst : m lt gy, mic
				0005-1L
1232.90	ccp			0006
			100	Sltst : m lt gy, mic
				0006-1L
1235.00	ccp			0007
			100	Sltst : lt gy, mic
				0007-1L
1236.95	ccp			0008
			100	Sh/Clst: m lt gy gn, ool, sft
				0008-1L
1238.90	ccp			0009
			100	Sltst : m gy gn, ool, glauc
				0009-1L

Table 1 : Lithology description for well NOCS 32/4-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1240.50	ccp			0010 0010-1L
			100 S/Sst	: lt gy, calc
1241.60	ccp			0011 0011-1L
			100 S/Sst	: lt gy to w, f
1257.20	ccp			0012 0012-1L
			100 Sltst	: lt gy
1258.35	ccp			0013 0013-1L
			100 Sltst	: m lt gy, s
1260.60	ccp			0014 0014-1L
			100 Sltst	: m lt gy
1261.20	ccp			0015 0015-1L
			100 Sltst	: lt gy, l
1263.95	ccp			0016 0016-1L
			100 Sltst	: lt gy
1266.25	ccp			0017 0017-1L
			100 Sltst	: lt gy, mic
1268.20	ccp			0018 0018-1L
			100 Sltst	: lt gy, l

Table 1 : Lithology description for well NOCS 32/4-1

Depth unit of measure: m

<u>Depth</u>	<u>Type</u>		<u>Trb</u>	<u>Sample</u>
<u>Int</u> <u>Cvd</u>	<u>TOC%</u>	<u>%</u>		
<u>Lithology description</u>				
1270.30	ccp			0019
		100 S/Sst	: lt gy to w	0019-1L
1272.90	ccp			0020
		100 S/Sst	: lt gy to w, l	0020-1L
1274.60	ccp			0021
		100 S/Sst	: lt gy to w, l	0021-1L

Table 2: Rock-Eval table for well NOCS 32/4-1

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Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1222.90	ccp		Sh/Clst: m lt gy	3.67	6.42	0.53	12.11	-	-	-	10.1	0.36	381	0001-1L
1225.50	ccp		Sltst : m lt gy	0.29	1.03	0.27	3.81	-	-	-	1.3	0.22	424	0002-1L
1226.50	ccp		Sltst : lt gy	8.14	10.84	0.97	11.18	-	-	-	19.0	0.43	335	0003-1L
1228.50	ccp		Sh/Clst: m lt gy	0.70	1.34	0.69	1.94	-	-	-	2.0	0.34	423	0004-1L
1230.50	ccp		Sltst : m lt gy	4.35	4.62	0.72	6.42	-	-	-	9.0	0.48	413	0005-1L
1232.90	ccp		Sltst : m lt gy	0.23	0.77	0.47	1.64	-	-	-	1.0	0.23	424	0006-1L
1235.00	ccp		Sltst : lt gy	0.38	0.72	0.41	1.76	-	-	-	1.1	0.35	382	0007-1L
1236.95	ccp		Sh/Clst: m lt gy gn	0.13	0.34	3.82	0.09	-	-	-	0.5	0.28	415	0008-1L
1238.90	ccp		Sltst : m gy gn	0.39	1.23	3.64	0.34	-	-	-	1.6	0.24	425	0009-1L
1240.50	ccp		S/Sst : lt gy	1.26	2.10	0.55	3.82	-	-	-	3.4	0.37	422	0010-1L
1241.60	ccp		S/Sst : lt gy to w	4.72	4.25	0.57	7.46	-	-	-	9.0	0.53	336	0011-1L
1257.20	ccp		Sltst : lt gy	0.73	1.37	0.46	2.98	-	-	-	2.1	0.35	442	0012-1L
1258.35	ccp		Sltst : m lt gy	0.50	0.69	0.35	1.97	-	-	-	1.2	0.42	421	0013-1L
1260.60	ccp		Sltst : m lt gy	0.94	1.03	0.73	1.41	-	-	-	2.0	0.48	402	0014-1L
1261.20	ccp		Sltst : lt gy	0.90	0.90	0.69	1.30	-	-	-	1.8	0.50	402	0015-1L
1263.95	ccp		Sltst : lt gy	1.20	1.06	0.83	1.28	-	-	-	2.3	0.53	348	0016-1L

Table 2: Rock-Eval table for well NOCS 32/4-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1266.25	ccp		Sltst : lt gy	0.83	0.96	0.41	2.34	-	-	-	1.8	0.46	385	0017-1L
1268.20	ccp		Sltst : lt gy	0.64	0.96	0.48	2.00	-	-	-	1.6	0.40	438	0018-1L
1270.30	ccp		S/Sst : lt gy to w	0.39	0.27	0.44	0.61	-	-	-	0.7	0.59	341	0019-1L
1272.90	ccp		S/Sst : lt gy to w	3.25	0.81	1.08	0.75	-	-	-	4.1	0.80	405	0020-1L
1274.60	ccp		S/Sst : lt gy to w	2.42	0.43	0.99	0.43	-	-	-	2.9	0.85	449	0021-1L

Table 3: Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 32/4-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1226.50	ccp	Sltst : lt gy	1.83	8.58	41.32	48.27	10.84	0003-1L
1238.90	ccp	Sltst : m gy gn	5.88	20.49	65.16	8.47	1.23	0009-1L
1241.60	ccp	S/Sst : lt gy to w	3.68	14.31	44.89	37.12	4.25	0011-1L
1272.90	ccp	S/Sst : lt gy to w	8.32	45.54	40.87	5.27	0.81	0020-1L