



CORE LABORATORIES, INC.  
Petroleum Research Engineering

COMPANY GULF MINERAL RESOURCES CORPORATION  
WELL NO. 16 BONANZA  
FIELD WILDCAT  
COUNTY UTAH  
LOCATION 1500 FSL-2400 FWL  
Sec. 30 T10S R25E  
FILE NO RP-2-OSA-151  
DATE 12-20-73  
ENGNS RG, RM  
FORMATION PARACHUTE  
ELEV 5440 GL  
DRLG. FLD AIR-MIST  
CORES DIA. CONV.  
REMARKS

U148

## OIL SHALE ASSAY

Sample Number	Depth, Feet	OIL		Oil Specific Gravity	WATER		Spent Shale Wt. %	Gas Plus Loss Wt. %	Tendency to Coke	REMARKS
		Gal/Ton	Wt. %		Gal/Ton	Wt. %				
1	424-425.5	5.8	2.2	.922	1.9	0.8	95.8	1.2	NIL	U148 BONANZA K6
2	425.5-27	14.4	5.6	.923	1.9	0.8	92.1	1.5	NIL	
3	427-28.5	12.1	4.7	.921	2.2	0.9	93.0	1.4	NIL	
4	428.5-30	10.2	3.9	.923	1.2	0.5	94.4	1.2	NIL	
5	430-31	9.0	3.5	.926	2.4	1.0	94.4	1.1	NIL	
6	431-32.5	14.8	5.7	.923	2.9	1.2	91.5	1.6	NIL	
7	432.5-34	4.8	1.8	.917	9.3	3.9	93.9	0.4	NIL	
8	434-35.5	11.6	4.5	.924	1.9	0.8	92.6	2.1	NIL	
9	435.5-37	12.3	4.7	.921	1.4	0.6	92.8	1.9	NIL	
10	437-38.5	15.6	6.0	.916	2.2	0.9	91.2	1.9	NIL	
11	438.5-40	18.4	7.0	.914	1.7	0.7	91.2	1.1	NIL	
12	440-41.5	11.6	4.5	.920	1.9	0.8	93.6	1.1	NIL	
13	441.5-43	8.7	3.4	.928	1.9	0.8	95.0	0.8	NIL	
14	443-44.5	8.3	3.2	.924	1.9	0.8	94.8	1.2	NIL	
15	444.5-46	12.6	4.8	.919	2.2	0.9	93.3	1.0	NIL	
16	446-47.5	7.5	2.9	.928	1.9	0.8	95.3	1.0	NIL	
17	447.5-49	8.4	3.3	.933	1.9	0.8	94.9	1.0	NIL	
18	449-50.5	5.9	2.3	.920	1.9	0.8	95.7	1.3	NIL	
19	450.5-52	14.3	5.5	.920	1.9	0.8	92.3	1.4	NIL	
20	452-53.5	12.1	4.7	.924	1.7	0.7	93.3	1.3	NIL	
21	453.5-54.5	8.3	3.3	.941	1.9	0.8	94.5	1.4	NIL	
22	454.5-56	10.9	4.2	.925	1.4	0.6	93.8	1.4	NIL	
23	456-57	34.9	13.6	.935	2.2	0.9	82.8	2.7	NIL	
24	457-58.5	12.2	4.8	.935	1.4	0.6	92.9	1.7	NIL	
25	458.5-60	12.2	4.8	.935	1.7	0.7	92.7	1.9	NIL	
26	460-61.3	13.6	5.3	.935	1.7	0.7	91.6	2.4	NIL	
27	461.3-62.5	19.7	7.6	.925	1.9	0.8	89.6	2.0	NIL	
28	462.5-63	13.2	5.1	.925	1.9	0.8	92.0	2.1	NIL	
29	463-64.5	24.7	9.6	.935	2.2	0.9	87.1	2.4	NIL	
30	464.5-65.5	14.5	5.6	.925	1.4	0.6	92.0	1.8	NIL	
31	465.5-66.5	30.6	11.7	.915	2.4	1.0	84.9	2.4	SLIGHT	
32	466.5-67.6	12.5	4.9	.935	1.4	0.6	93.2	1.3	NIL	

# OIL SHALE ASSAY

Sample Number	Depth, Feet	OIL		Oil Specific Gravity	WATER		Spent Shale Wt. %	Gas Plus Loss Wt. %	Tendency to Coke	REMARKS
		Gal/Ton	Wt. %		Gal/Ton	Wt. %				
33	168.3-69.5	5.1	2.0	.935	1.9	0.8	96.0	1.2	NIL	
34	169.5-71	3.1	1.2	.935	1.2	0.5	97.1	1.2	NIL	
35	171-72.5	6.1	2.4	.945	1.2	0.5	95.9	1.2	NIL	
36	172.5-73.7	4.1	1.6	.935	1.7	0.7	96.4	1.3	NIL	
37	174.5-76	1.9	0.8	.945	1.9	0.8	97.4	1.0	NIL	
38	176-76.9	1.6	0.6	.925	2.2	0.9	97.3	1.2	NIL	
39	176.9-77.5	3.3	1.3	.925	2.4	1.0	96.4	1.3	NIL	
40	177.5-79	10.3	4.0	.925	2.2	0.9	93.6	1.5	NIL	
41	179-80.5	14.6	5.5	.905	1.9	0.8	90.3	3.4	NIL	
42	180.5-81.5	39.7	15.0	.905	3.6	1.5	78.4	5.1	MEDIUM	
43	181.5-83	16.9	6.5	.915	3.1	1.3	88.1	4.1	NIL	
44	183-84.5	13.3	5.0	.905	2.9	1.2	90.4	3.4	NIL	
45	184.5-86	15.0	5.7	.915	3.6	1.5	87.6	5.2	NIL	
46	186-87	25.8	9.9	.915	3.6	1.5	85.6	3.0	NIL	
47	187-88.5	27.6	10.6	.915	3.1	1.3	83.6	4.6	NIL	
48	188.5-89.5	26.5	10.0	.905	3.1	1.3	83.4	5.3	NIL	
49	189.5-90.3	43.2	16.1	.895	3.4	1.4	78.1	4.4	MEDIUM	
50	190.3-91.5	38.7	14.6	.905	4.8	2.0	79.3	4.1	MEDIUM	
51	191.5-93	21.9	8.2	.895	3.4	1.4	88.8	1.6	NIL	
52	193-94.5	16.8	6.4	.915	2.4	1.0	90.9	1.7	NIL	
53	194.5-95.7	12.2	4.7	.915	2.4	1.0	93.1	1.2	NIL	
54	195.7-96.5	22.5	8.5	.905	2.6	1.1	88.2	2.2	NIL	
55	196.5-98	13.2	5.0	.905	2.4	1.0	92.3	1.7	NIL	
56	198-99.4	12.6	4.8	.905	2.4	1.0	92.6	1.6	NIL	
57	500.2-01.5	11.6	4.3	.895	1.4	0.6	93.5	1.6	NIL	
58	501.5-03	11.3	4.2	.895	1.7	0.7	93.6	1.5	NIL	
59	503-04	14.1	5.3	.905	1.7	0.7	92.6	1.4	NIL	
60	504-05	35.7	13.5	.905	3.4	1.4	82.2	2.9	MEDIUM	
61	505.8-07.5	24.1	9.0	.895	2.4	1.0	86.8	3.2	NIL	
62	507.5-09	21.0	7.9	.895	1.7	0.7	87.2	4.3	NIL	
63	509-10.5	17.1	6.5	.905	1.7	0.7	88.5	4.4	NIL	
64	510.5-12	30.6	11.4	.895	1.9	0.8	85.1	2.7	SLIGHT	
65	512-13.5	36.1	13.5	.895	1.9	0.8	81.9	3.8	SLIGHT	
66	513.5-15.1	60.0	22.4	.895	3.0	1.3	70.1	6.2	MEDIUM	
67	515.1-15.7	80.2	30.3	.905	4.1	1.7	60.0	8.0	HIGH	
68	515.7-17	68.2	25.5	.895	3.1	1.3	66.1	7.1	HIGH	
69	517-18.5	43.2	16.0	.885	2.4	1.0	78.0	5.1	SLIGHT	

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Sample Number	Depth, Feet	OIL		OR Specific Gravity	WATER		Spent Shale Wt. %	Gas Plus Loss Wt. %	Tendency to Coke	REMARKS
		Gal/Ton	Wt. %		Gal/Ton	Wt. %				
70	518.5-20	50.2	19.0	.905	2.6	1.1	75.8	4.1	SLIGHT	
71	520-21.5	19.6	7.5	.915	1.7	0.7	89.9	1.9	NIL	
72	521.5-23	29.5	11.1	.905	1.9	0.8	86.2	1.9	NIL	
73	523-24.6	31.3	12.1	.925	1.9	0.8	84.9	2.2	SLIGHT	
74	524.6-25.4	15.9	6.1	.915	1.7	0.7	91.8	1.4	NIL	
75	525.4-27	34.4	12.8	.895	2.4	1.0	83.8	2.4	SLIGHT	
76	527-28.5	39.6	14.8	.895	2.4	1.0	81.5	2.7	SLIGHT	
77	528.5-29.5	44.5	16.6	.895	2.4	1.0	79.0	3.4	SLIGHT	
78	529.5-31	20.2	7.5	.885	1.4	0.6	90.3	1.6	NIL	
79	531-32.5	33.7	12.4	.885	1.9	0.8	84.6	2.2	SLIGHT	
80	532.5-34	19.7	7.4	.905	2.2	0.9	89.7	2.0	NIL	
81	534-35.3	19.3	7.3	.905	1.7	0.7	87.6	4.4	NIL	
82	536-37.5	25.8	9.7	.905	2.2	0.9	86.7	2.7	NIL	
83	537.5-39	13.2	5.0	.915	1.9	0.8	90.5	3.7	NIL	
84	539-40.5	11.6	4.4	.905	1.2	0.5	90.7	4.4	NIL	
85	540.5-42	11.7	4.4	.905	1.2	0.5	91.7	3.4	NIL	
86	542-43	35.3	13.3	.905	2.4	1.0	82.8	2.9	NIL	
87	543-44.2	35.5	13.1	.885	2.4	1.0	83.5	2.4	NIL	
88	544.2-45	25.4	9.5	.895	1.7	0.7	87.6	2.2	NIL	
89	545-46.5	23.4	8.7	.895	1.9	0.8	87.5	3.0	NIL	
90	546.5-48	32.9	12.3	.895	1.9	0.8	84.4	2.5	NIL	
91	548-49.5	19.7	7.4	.895	1.9	0.8	90.2	1.6	NIL	
92	549.5-51	14.9	5.6	.905	1.2	0.5	92.0	1.9	NIL	
93	551-52.5	12.4	4.8	.915	1.4	0.6	93.0	1.7	NIL	
94	552.5-53.5	14.9	5.7	.915	1.7	0.7	91.7	1.9	NIL	
95	553.5-54.5	24.3	9.4	.925	2.4	1.0	87.7	1.9	SLIGHT	
96	554.5-55.9	11.0	4.2	.925	2.2	0.9	92.8	2.1	NIL	
97	555.9-56.5	7.2	2.7	.915	2.4	1.0	93.1	3.2	NIL	
98	556.5-57.2	6.3	2.5	.925	2.4	1.0	93.5	3.1	NIL	



CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering

COMPANY: NO. 16 BONANZA DATE: 2-25-74  
WELL: WILDCAT FORMATION: PARACHUTE ENGRS: RG  
FIELD: UINTAH STATE: UTAH ELEV: 5440' GL  
COUNTY: 1500' FSL 2400' FWL ORLG FLD: AIR-MIST CORR: DIAMOND 3"  
LOCATION: SEC 30-T10S-R25E REMARKS: SUPPLEMENTAL REPORT NO. 1

## OIL SHALE ASSAY

Sample Number	Depth, Feet	OIL		Oil Specific Gravity	WATER		Spent Shale Wt. %	Gas Pies Loss Wt. %	Tendency to Coke	REMARKS
		Gal/Ton	Wt. %		Gal/Ton	Wt. %				
32-A	467.6-68.3	5.8	2.2	.933	1.7	0.7	95.9	1.2	NIL	
36-A	473.7-74.5	4.1	1.2	.929	1.4	0.6	97.1	0.7	NIL	
81-A	535.3-36.0	8.5	3.3	.917	1.7	0.7	94.3	1.8	NIL	

SUPPLEMENTAL TABULATION NO. 1