



CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering

COMPANY: GULF MINERAL RESOURCES COMPANY FILE NO. RP-2-OSA-147  
WELL: BONANZA NO. 12 DATE: 8-25-73 ENGRS. MOHL  
FIELD: WILDCAT FORMATION: PARACHUTE ELEV. 6340' GL  
COUNTY: UINTAH STATE: UTAH DRLG. FLD. AIR-MIST CORES: DIAMOND 3"  
LOCATION: 150' FSL 1200' FEL REMARKS: \*SAMPLE NOT AVAILABLE FOR ASSAY  
SEC. 1-T12S-R24E SEE SUPPLEMENTAL TABULATION

U144

## 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	269.4-70.9	8.3	3.2	.922	3.6	1.5	94.3	1.0	NIL	
2	70.9-71.6									*
3	71.6-73.0	2.8	1.1	.918	2.6	1.1	96.8	1.0	NIL	
4	73.0-74.5	5.4	2.1	.928	2.9	1.2	95.5	1.2	NIL	
5	74.5-75.5	3.1	1.2	.927	3.1	1.3	96.2	1.3	NIL	
6	75.5-76.4	3.1	1.2	.903	2.9	1.2	97.0	0.6	NIL	
7	76.4-77.3									*
8	77.3-78.5	1.9	0.7	.909	2.4	1.0	97.0	1.3	NIL	
9	78.5-80.3	7.8	3.0	.909	3.6	1.5	94.1	1.5	NIL	
10	80.3-81.0	22.3	8.4	.900	4.8	2.0	87.2	2.4	NIL	
11	81.0-82.5	12.9	4.9	.911	4.8	2.0	90.8	2.3	NIL	
12	82.5-84.0	9.5	3.6	.908	4.6	1.9	92.6	1.9	NIL	
13	84.0-85.5	23.7	9.0	.910	4.3	1.8	86.9	2.3	NIL	
14	85.5-87.2	32.3	12.0	.891	3.6	1.5	83.7	2.8	NIL	
15	87.2-87.8									*
16	87.8-88.5	43.8	16.4	.895	4.8	2.0	78.4	3.3	NIL	
17	88.5-89.5	19.0	7.2	.905	3.8	1.6	88.9	2.3	NIL	
18	89.5-91.3	14.9	5.7	.907	3.4	1.4	90.9	2.1	NIL	
19	91.3-92.1									*
20	92.1-93.5	11.8	4.5	.911	3.6	1.5	92.2	1.8	NIL	
21	93.5-95.0	10.8	4.1	.914	4.1	1.7	92.5	1.7	NIL	
22	95.0-96.0	8.5	3.2	.911	3.6	1.5	93.6	1.7	NIL	
23	96.0-96.7									*
24	96.7-98.5	11.0	4.2	.906	2.9	1.2	93.3	1.3	NIL	
25	98.5-99.5	42.6	16.2	.913	4.1	1.7	79.7	2.4	SLIGHT	
26	299.5-00.5	18.9	7.1	.905	2.4	1.0	89.5	2.4	NIL	
27	300.5-02.0	23.0	8.6	.900	2.9	1.2	87.6	2.6	NIL	
28	02.0-03.0	33.8	12.8	.910	3.1	1.3	82.8	3.1	NIL	
29	03.0-04.5	46.9	17.4	.887	3.4	1.4	76.9	4.4	MEDIUM	
30	04.5-06.0	75.6	28.2	.896	5.3	2.0	60.3	2.8	HIGH	
31	06.0-07.0	64.3	24.3	.905	6.0	2.1	66.4	1.4	MEDIUM	
32	07.0-08.2	45.2	17.2	.914	4.8	2.0	76.4	4.4	SLIGHT	

# OIL SHALE ASSAY

Page #2  
RP-2-OSA  
147

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	308.2-09.0									*
34	09.0-10.5	20.1	7.7	.920	3.6	1.5	87.2	3.6	NIL	
35	10.5-12.0	30.7	11.6	.906	2.6	1.1	84.1	3.2	NIL	
36	12.0-13.5	25.1	9.5	.911	2.4	1.0	84.8	4.7	NIL	
37	13.5-15.0	45.4	17.1	.902	3.6	1.5	77.2	4.2	NIL	
38	15.0-16.2	22.6	8.3	.886	3.6	1.5	86.5	3.7	NIL	
39	16.2-17.1									*
40	17.1-18.5	22.5	8.6	.912	3.4	1.4	85.7	4.3	NIL	
41	18.5-19.5	13.7	5.2	.912	3.1	1.3	86.9	6.6	NIL	
42	19.5-21.0	36.1	14.0	.932	3.8	1.6	80.3	4.1	SLIGHT	
43	21.0-22.5	9.2	3.5	.914	3.4	1.4	91.9	2.2	NIL	
44	22.5-24.0	14.8	5.6	.905	2.6	1.1	90.4	2.9	NIL	
45	24.0-25.6	35.8	13.3	.893	3.6	1.5	82.1	3.1	NIL	
46	25.6-26.2									*
47	26.2-27.5	22.6	8.4	.895	2.4	1.0	88.2	2.4	NIL	
48	27.5-29.0	28.8	10.8	.896	4.3	1.8	83.2	4.2	NIL	
49	29.0-30.0	12.4	4.7	.911	3.1	1.3	91.1	2.9	NIL	
50	30.0-31.0	10.1	3.8	.913	2.2	0.9	91.7	3.6	NIL	
51	31.0-32.5	16.7	6.4	.914	4.1	1.7	89.1	2.8	NIL	
52	32.5-34.0	5.3	2.0	.916	2.9	1.2	94.1	2.7	NIL	
53	34.0-35.5	5.8	2.2	.911	3.1	1.3	94.2	2.3	NIL	
54	35.5-37.0	18.5	7.0	.909	4.8	2.0	88.5	2.5	NIL	
55	37.0-37.5									*
56	37.5-39.0	9.8	3.7	.909	4.1	1.7	92.1	2.5	NIL	
57	39.0-40.5	10.3	3.9	.915	3.6	1.5	91.3	3.3	NIL	
58	40.5-42.0	4.0	1.5	.915	3.1	1.3	95.9	1.3	NIL	
59	42.0-43.5	11.4	4.4	.915	5.5	2.3	92.3	1.3	NIL	
60	43.5-45.0	6.0	2.3	.916	4.3	1.8	95.0	0.9	NIL	
61	45.0-46.5	3.8	1.5	.913	2.2	0.9	96.5	1.1	NIL	
62	46.5-48.0	5.5	2.1	.917	2.4	1.0	95.4	1.5	NIL	
63	48.0-48.5	4.4	1.7	.905	1.9	0.8	96.8	0.7	NIL	
64	48.5-49.4									*
65	49.4-51.0	4.8	1.8	.896	1.9	0.8	96.5	0.9	NIL	
66	51.0-52.0	13.3	5.0	.893	1.2	0.5	92.8	1.7	NIL	
67	52.0-53.0	1.4	0.5	.926	2.6	1.1	97.4	1.0	NIL	
68	53.0-54.5	2.8	1.1	.926	2.6	1.1	96.5	1.3	NIL	
69	54.5-55.6	4.9	1.9	.911	2.2	0.9	95.7	1.5	NIL	
70	55.6-56.4									*
71	56.4-58.0	9.3	3.5	.908	2.9	1.2	93.4	1.9	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. %				
72	358.0-59.5	9.6	3.6	.905	3.4	1.4	93.1	1.9	NIL	
73	59.5-61.0	12.9	4.9	.898	2.4	1.0	92.3	1.9	NIL	
74	61.0-62.5	8.9	3.4	.907	2.9	1.2	93.6	1.8	NIL	
75	62.5-64.0	6.0	2.3	.909	2.4	1.0	94.9	1.8	NIL	
76	64.0-65.5	5.7	2.2	.912	2.6	1.1	94.9	1.8	NIL	
77	65.5-67.0	6.2	2.3	.906	2.6	1.1	94.8	1.8	NIL	
78	67.0-68.5	6.3	2.4	.915	4.6	1.9	93.7	2.0	NIL	
79	68.5-70.0	5.4	2.0	.897	4.8	2.0	93.8	2.2	NIL	
80	70.0-71.5	5.7	2.1	.905	2.6	1.1	94.5	2.3	NIL	
81	71.5-73.0	4.7	1.8	.906	5.0	2.1	94.2	1.9	NIL	
82	73.0-74.5	16.1	6.1	.900	3.4	1.4	90.0	2.5	NIL	
83	74.5-76.0	9.1	3.5	.908	3.6	1.5	92.7	2.4	NIL	
84	76.0-77.5	9.2	3.5	.920	3.4	1.4	92.7	2.4	NIL	
85	77.5-79.0	10.4	4.0	.924	3.8	1.6	92.5	1.9	NIL	
86	79.0-80.5	3.8	1.5	.928	1.4	0.6	95.0	2.9	NIL	
87	80.5-82.0	4.6	1.8	.922	1.0	0.4	96.9	1.0	NIL	
88	82.0-83.5	0.1	0.1	.922	2.2	0.9	98.3	0.8	NIL	
89	83.5-85.0	0.0	0.0		2.7	1.1	98.3	0.6	NIL	
90	85.0-86.5	0.0	0.0		4.8	2.0	97.2	0.8	NIL	
91	86.5-88.0	0.0	0.0		6.0	2.5	96.8	0.7	NIL	
92	88.0-89.5	0.0	0.0		3.1	1.3	97.7	1.0	NIL	
93	89.5-91.0	7.3	2.8	.914	2.2	0.9	95.7	0.6	NIL	
94	91.0-92.0	13.2	5.0	.912	1.0	0.4	94.0	0.6	NIL	
95	92.0-93.0	1.1	0.4	.914	2.6	1.1	97.9	0.6	NIL	
96	93.0-94.5	5.7	2.2	.916	1.9	0.8	96.6	0.4	NIL	
97	94.5-96.0	3.0	1.2	.923	3.4	1.4	96.8	0.6	NIL	
98	96.0-97.5	2.7	1.0	.923	1.7	0.7	97.7	0.6	NIL	
99	97.5-98.5	0.0	0.0		3.6	1.5	98.0	0.5	NIL	
100	98.5-99.5	13.1	5.0	.921	1.4	0.6	93.8	0.6	NIL	
101	399.5-01.0	8.6	3.3	.922	1.2	0.5	95.7	0.5	NIL	
102	401.0-02.0	12.4	4.7	.917	1.2	0.5	94.0	0.8	NIL	
103	02.0-03.0	0.8	0.3	.922	3.4	1.4	97.9	0.4	NIL	
104	03.0-04.5	1.1	0.4	.917	2.2	0.9	98.1	0.6	NIL	
105	04.5-06.0	0.3	0.1	.922	1.2	0.5	98.8	0.6	NIL	
106	06.0-07.5	0.0	0.0		4.2	1.8	97.8	0.5	NIL	
107	07.5-08.5	0.0	0.0		2.8	1.2	98.4	0.4	NIL	
108	08.5-09.5	0.0	0.0		2.8	1.2	98.4	0.4	NIL	

DIAMOND 3"

## Engineering

SUPPLEMENTAL TABULATION



CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering

CL 021

COMPANY	GULF MINERAL RESOURCES COMPANY		FILE NO.	RP-2-OSA-147	
WELL	BONANZA NO. 12		DATE	2-25-74	
FIELD	WILDCAT		FORMATION	PARACHUTE	
COUNTY	UINTAH		STATE	UTAH	
LOCATION	150' FSL 1200' FEL SEC 1-T12S-R24E		DRLG. FLD.	AIR-MIST	
			REMARKS	SUPPLEMENTAL TABULATION NO. 2	
			ENGRS	RG	
			ELEV.	6340' GL	
			CORES	DIAMOND 3"	

## 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. %				
15	287.2-87.8	19.4	7.6	.935	2.4	1.0	89.6	1.8	NIL	
19	291.3-92.1	10.5	4.2	.945	2.6	1.1	92.6	2.2	NIL	
55	337.0-37.5	10.3	3.9	.915	3.1	1.3	93.0	1.8	NIL	

SUPPLEMENTAL TABULATION NO. 2