



CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

WELL NO. 10 BONANZA CORE HOLE DATE 7-18-73
FIELD WILDCAT FORMATION PARACHUTE
COUNTY UINTAH STATE UTAH DRLG. FLD. AIR-MIST
LOCATION 1900FSL 2350FEL Sec. 29 T12S R25E
REMARKS

FILE NO. 9100-4524
ENGRS. RG; REB; RM
ELEV. 6875 GL
CORES

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U142

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	0-2	11.3	4.4	.931	4.8	2.0	92.3	1.3	NIL	
2	2-4	44.1	16.8	.913	7.9	3.3	74.3	5.6	SLIGHT	
3	4-6	28.5	10.8	.908	4.1	1.7	85.4	2.1	NIL	
4	6-8	28.5	11.0	.925	3.8	1.6	85.4	2.0	NIL	
5	8-10	15.1	5.8	.973	3.4	1.4	91.5	1.3	NIL	
6	10-12	18.8	7.2	.920	2.4	1.0	90.5	1.3	NIL	
7	12-14	17.9	6.9	.924	4.3	1.8	90.0	1.3	NIL	
8	14-16	19.3	7.4	.918	2.4	1.0	90.4	1.2	NIL	
9	16-18	13.2	5.1	.929	2.2	0.9	92.7	1.3	NIL	
10	18-20	5.9	2.3	.930	3.8	1.6	93.8	2.3	NIL	
11	20-21	5.7	2.2	.929	2.2	0.9	96.3	0.6	NIL	
12	21-21.6	10.8	4.1	.913	2.2	0.9	94.7	0.3	NIL	
13	21.6-22.1	4.5	1.8	.952	14.4	6.0	91.8	0.4	NIL	
14	22.1-22.6	8.2	3.1	.907	4.6	1.9	94.5	0.5	NIL	
15	22.6-23.1	35.3	13.5	.917	3.6	1.5	83.0	2.0	NIL	
16	23.1-24.0	8.3	3.2	.924	3.4	1.4	94.5	0.9	NIL	
17	24.0-25.1	12.7	4.9	.927	2.2	0.9	93.0	1.2	NIL	
18	25.1-25.4	27.6	10.6	.921	3.6	1.5	86.4	1.5	NIL	
19	25.4-26.0	3.1	1.2	.923	2.2	0.9	97.7	0.2	NIL	
20	26.0-27.0	3.8	1.5	.940	1.9	0.8	97.5	0.2	NIL	
21	27.0-27.5	12.5	4.7	.902	3.4	1.4	90.3	3.6	NIL	
22	27.5-28.0	9.6	3.7	.925	9.6	4.0	89.9	2.4	NIL	
23	28.0-29.0	10.8	4.2	.930	9.6	4.0	91.5	0.3	NIL	
24	29.0-30.0	6.7	2.5	.898	6.7	2.8	94.1	0.6	NIL	
25	30.0-30.4	1.6	0.6	.908	2.4	1.0	97.0	1.4	NIL	
26	30.4-31.0	4.2	1.6	.906	2.4	1.0	96.8	0.6	NIL	
27	31.0-32.0	4.3	1.6	.899	2.4	1.0	97.0	0.4	NIL	
28	32.0-32.5	3.7	1.4	.901	2.4	1.0	97.0	0.6	NIL	
29	32.5-32.7	10.6	4.0	.902	3.4	1.4	94.4	0.2	NIL	
30	32.7-33.4	1.3	0.5	.902	2.4	1.0	98.4	0.1	NIL	

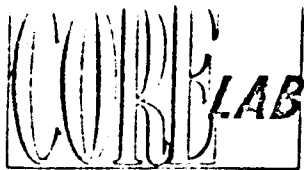


CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

COMPANY GULF MINERAL RESOURCES CORPORATION FILE NO. 9106-4524
WELL NO. 10 BONANZA CORE HOLE DATE 7-18-73 ENGRS. REB; RM; RG
FIELD WILDCAT FORMATION PARACHUTE ELEV. 6875 GL
COUNTY UINTAH STATE UTAH DRUG. FLD. AIR-MIST CORES _____
LOCATION 1900FSL 2350FEL Sec. 29 REMARKS _____
T12S R25E

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. %				
31	33.4-33.8	8.1	3.1	.918	1.9	0.8	96.0	0.1	NIL	
32	33.8-34.5	1.1	0.4	.909	2.2	0.9	98.4	0.3	NIL	
33	34.5-35.5	2.4	0.9	.904	1.4	0.6	98.3	0.2	NIL	
34	35.5-36.0	7.4	2.8	.905	2.2	0.9	96.1	0.2	NIL	
35	36-37	7.0	2.6	.895	3.1	1.3	95.8	0.3	NIL	
36	37-38	10.5	3.9	.893	3.1	1.3	94.5	0.3	NIL	
37	38-38.5	13.8	5.1	.887	3.1	1.3	93.2	0.4	NIL	
38	38.5-39	10.4	3.9	.897	2.8	1.2	94.3	0.6	NIL	
39	39-40	5.9	2.2	.899	2.2	0.9	96.7	0.2	NIL	
40	40-41	6.6	2.5	.905	3.6	1.5	95.8	0.2	NIL	
41	41-42	2.9	1.1	.912	3.6	1.5	97.2	0.2	NIL	
42	42-43	5.0	1.9	.908	2.4	1.0	96.6	0.5	NIL	
43	43-44	5.9	2.2	.901	7.2	3.0	94.0	0.8	NIL	
44	44-45	3.8	1.4	.881	7.2	3.0	94.5	1.1	NIL	
45	45-46	4.5	1.7	.896	4.8	2.0	95.8	0.5	NIL	
46	46-47	2.6	1.0	.900	5.8	2.4	96.4	0.2	NIL	
47	47-48	7.4	2.8	.907	4.3	1.8	94.5	0.9	NIL	
48	48-49	7.4	2.8	.907	5.8	2.4	94.3	0.5	NIL	
49	49-50	1.3	0.5	.902	4.8	2.0	97.3	0.2	NIL	
50	50-51	7.8	3.0	.922	3.6	1.4	95.5	0.1	NIL	
51	51-52	7.2	2.8	.937	1.9	0.8	96.1	0.3	NIL	
52	52-53	17.9	6.9	.923	0.9	0.4	92.5	0.2	NIL	
53	53-54	10.0	3.8	.915	1.2	0.5	95.6	0.1	NIL	
54	54-55	7.9	3.0	.916	1.9	0.8	96.0	0.2	NIL	
55	55-56	19.1	7.3	.917	1.2	0.5	91.6	0.6	MEDIUM	
56	56-57	21.9	8.4	.918	1.2	0.5	91.0	0.1	MEDIUM	
57	57-58	17.0	6.5	.917	1.0	0.4	92.9	0.2	SLIGHT	
58	58-59	20.5	7.9	.925	1.4	0.6	90.8	0.7	SLIGHT	
59	59-60	16.8	6.5	.918	1.2	0.5	92.4	0.7	SLIGHT	
60	60-61	6.1	2.3	.920	1.4	0.6	97.0	0.1	NIL	
61	61-62	9.1	3.5	.923	1.4	0.6	95.7	0.2	NIL	
62	62-63	5.1	2.0	.921	1.7	0.7	97.0	0.4	NIL	
63	63-64	3.8	1.5	.922	1.9	0.8	97.1	0.7	NIL	
64	64-65	5.4	2.1	.916	2.2	0.9	96.7	0.3	NIL	



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		Gal/Ton	Wt. %		Gal/Ton	Wt. %				
65	65-66	1.6	0.6	.915	2.6	1.1	98.2	0.1	NIL	
66	66-67	13.9	5.3	.908	1.2	0.5	94.1	0.1	SLIGHT	
67	67-68	20.5	7.8	.913	1.0	0.4	91.7	0.1	SLIGHT	
68	68-69	22.1	8.5	.917	1.0	0.4	90.8	0.4	SLIGHT	
69	69-69.6	14.6	5.6	.914	0.7	0.3	94.0	0.1	SLIGHT	
70	69.6-71	0.2	0.1	.915	3.8	1.6	98.1	0.2	NIL	
71	71-72	16.4	6.2	.908	1.0	0.4	93.3	0.1	SLIGHT	
72	72-73	9.5	3.6	.915	0.7	0.3	96.0	0.1	NIL	
73	73-74	0.2	0.1	.915	3.4	1.4	98.3	0.2	NIL	
74	74-75	0.0	0.0	----	4.5	1.9	98.0	0.1	NIL	
75	75-76	0.0	0.0	----	5.4	2.3	97.1	0.6	NIL	
76	76-77	0.0	0.0	----	4.9	2.0	97.8	0.2	NIL	
77	77-78	0.0	0.0	----	4.1	1.7	98.1	0.2	NIL	
78	78-79.3	0.0	0.0	----	5.0	2.1	97.7	0.2	NIL	
79	79.3-80	10.8	4.1	.909	1.2	0.5	95.3	0.1	NIL	
80	80-81	20.5	7.8	.907	0.7	0.3	91.5	0.4	NIL	
81	81-82	19.2	7.3	.917	0.5	0.2	92.3	0.2	NIL	
82	82-83	18.8	7.1	.910	0.7	0.3	91.9	0.7	NIL	
83	83-84	7.8	3.0	.919	1.2	0.5	96.3	0.2	NIL	
84	84-85.5	0.0	0.0	----	5.9	2.5	97.3	0.2	NIL	
85	85.5-87	0.0	0.0	----	6.6	2.8	97.0	0.2	NIL	
86	87-88.5	0.0	0.0	----	6.0	2.5	97.3	0.2	NIL	
87	88.5-90	0.0	0.0	----	6.6	2.8	97.0	0.3	NIL	
88	90-91.5	0.0	0.0	----	6.2	2.6	97.2	0.2	NIL	
89	91.5-93	0.0	0.0	----	5.8	2.4	97.4	0.2	NIL	
90	93-94.5	0.0	0.0	----	5.6	2.3	97.4	0.3	NIL	
91	94.5-96	0.0	0.0	----	5.8	2.4	97.4	0.2	NIL	
92	96-97.5	0.0	0.0	----	6.9	2.9	96.9	0.2	NIL	
93	97.5-99	0.0	0.0	----	6.5	2.7	97.0	0.3	NIL	
94	99-100	0.0	0.0	-----	7.5	3.1	96.3	0.6	NIL	