

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL	CHOKES		WATER CUSHION	TIME TESTED
					SET	TOP	BOTTOM		
16	8-4-53	4399	4373	Open Hole	4399	1"	5/8"	None	1 Hour
(Dakota) Used 2 packers, Nothing to surface, Rec. 1600' fresh water, SFP - 0#, BHFP 220 - 690#, Closed 30 minutes SIP - 1070#, HH 2080# in & out.									
17	8-14-53	5200	5219	Open Hole	5200	1"	5/8"	None	1 1/2 Hours
(Todilte) Used 2 packers, Nothing to surface, Rec. 180' clean oil, 60' mud out oil, SFP - 0#, BHFP 120#, Closed 30 minutes SIP - 1440#, HH 2490# in & 2440# out.									
18	8-15-53	5205	5229	Open Hole	5205	1"	5/8"	None	2 Hours
(Entrada) Used 2 packers, Gas to surface 25 minutes, Too small to measure, Rec. 510' clean oil, Grav. 35.9%, 90' oil out drlg. mud, SFP - 0#, BHFP 170#, Closed 45 minutes SIP - 1490#, HH 2460# in & out.									
19	8-23-53	5503	5521	Open Hole	5503	1"	5/8"	None	1 Hour
(Entrada) Used 2 packers, Nothing to surface, Circ. Sub broke - No test.									
20	8-23-53	5501	5521	Open Hole	5501	1"	5/8"	None	1 Hour
(Entrada) Used 2 packers, Nothing to surface, Rec. 4430' fresh water, SFP - 0#, BHFP - 2175 - 2200#, Closed 30 minutes SIP 2200#, HH - 2500# in & out.									
21	9-28-53	8710	8758	Open Hole	8710	1"	5/8"	None	1 Hour
(Penn.) Used 2 packers, Nothing to surface, Rec. 90' drlg. mud, no show, SFP - 0#, BHFP - 0#, Closed 15 minutes SIP 3625#, HH 4490# in & out.									
22	10-3-53	9077	9152	Open Hole	9077	1"	5/8"	None	1 1/2 Hours
(Penn.) Used 2 packers, Nothing to surface, Rec. 1082' slightly saltwater cut mud, SFP - 0#, BHFP 70 - 500#, Closed 15 minutes SIP - Not recorded, HH 4660# in & 4690# out.									

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
228	1/2	4280	1-1/2	6920	1
690	1/4	4530	1	7050	3/4
950	1/2	4840	2	7124	1/2
1837	1/4	5075	1-3/4	7325	1
2500	1/2	5217	1-1/4	8030	1/2
3085	3/4	5245	3/4	8258	3/4
3275	1-1/2	6240	1/2	8620	1
3325	1-3/4	6510	1/4	9510	2
3620	1	6835	3/4		

CORE RECORD

NO.	FROM	TO	REQ.	DESCRIPTION
1	1743	1764	21'	Top 8' gray shale, Bottom 13' fine to medium grain gray quartz sand, no shows.
2	3100	3160	60'	3100 - 3146 gray shale, no shows, 3146 - 3160 red & gray shale w/scattered sand stringers, no shows.
3	3160	3191	31'	31' dark gray shale, no shows.
4	3191	3216	25'	25' dark gray shaley sand, no shows.
5	3216	3275	59'	3216 - 3230 fine med grain gray shaley sand, no shows, 3230 - 3250 fine grain gray sand, good stain & fluorescence bleeding oil, 3250 - 3275 fine grain gray sandy shale, no shows.
6	3275	3334	59'	59' dark gray sandy shale.
7	4160	4175	15'	10' fine grain dark gray shaley, sand, no shows, 5' dark gray sandy shale, no shows.
8	4175	4214	39'	26' black shale, no show, 8' gray shaley sand, no shows, 5' white finely crystalline to medium crystalline gray sand, no shows.
9	4214	4245	31'	29' fine grain white to light gray sand bleeding water, 2' fine grain dark gray shaley sand, no shows.
10	4245	4282	37'	6' white to light gray sand, 2' dark gray shaley sand, 29' dark gray sandy shale.



