

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SET @	CHOKES		WATER CUSHION	TIME TESTED
						TOP	BOTTOM		
1	1-11-54	8883	8923	Open Hole	8883	1"	5/8"	None	1 hour
Abo, 2 packers, Nothing to surface, Rec. 2700' gas & slightly mud cut salt water, SFP - 0#, BHFP 530 - 950#, 15 min. SIP 2970#, HH 4450 in & 4640# out.									
2	1-29-54	9628	9643	Open Hole	9628	1"	5/8"	None	2 1/2 hours.
Bough, 2 packers, Gas to surface 8 minutes, Too small to measure, Rec. 1020' heavy oil & gas cut mud, SFP - 0#, BHFP 170 - 275#, 15 min. SIP 1750#, HH 5150# in & 4980# out.									
3	1-30-54	9633	9648	Open Hole	9633	1"	5/8"	None	1 hr. & 20 min.
Bough, 2 packers, Nothing to surface, Rec. 330' heavy gas cut mud, SFP - 0#, BHFP 130 - 165#, 15 min. SIP 165#, HH 5250# in & out.									

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
350	1	2550	1	5620	3/4
725	1/2	2640	1-1/4	5860	1/2
965	3/4	2780	1	6090	3/4
1500	1/4	2845	1-1/4	6430	1/2
1790	1/2	2980	1	6610	3/4
2030	1-1/4	3190	1/4	6750	1/2
2210	1-3/4	3230	1-1/2	8140	1/4
2340	1	3250	3/4	8360	1
2410	2	3350	1-1/2	8470	1-1/4
2438	1-1/2	3550	1	8560	1
2490	1-1/4	4680	1/2	9385	1-1/4

CORE RECORD

NO.	FROM	TO	LOG	DESCRIPTION
1	9590	9614	24'	Top 3 1/2' finely crystalline tan limestone 3 1/2' finely crystalline tan limestone w/20% vuggy porosity No stain or fluorescence, Salty. 2 1/2' finely crystalline tan limestone. 5 1/2' finely crystalline tan limestone w/20% vuggy porosity, No stain or fluorescence. 3 1/2' finely crystalline tan limestone. 3' Black shale. Bottom 2 1/2' very finely crystalline tan limestone w/thin shale partings.
2	9614	9643	29'	8' limestone w/shale partings & nodular limestone - No shows. 3' Red & gray shale, No shows. 4' Limestone w/shale partings - No shows. 9' Limestone w/stylolites & trace of shale partings - No shows. 5' Limestone, vugular, 25% porosity, free oil, Fluorescence & stain.
3	9643	9648	5'	4' finely crystalline gray limestone vugular w/25% porosity, Good stain, odor & fluorescence. 11" Finely crystalline gray limestone w/few shale partings No stain or fluorescence. 1" Dark gray shale, No stain or fluorescence.

ACIDIZING

2-8-54 Cardinal Acidized perf. 9638 - 9647 w/500 gallons 15% regular cement, Time 23 minutes, Injection Rate .5 BPH, TP 0# - Vacuum, CP: Packer, Swab 37 BLO (all) 2 hours, Flowed 80 BFO / 12 B W (all) 8 hours, 1/2" to 2 1/4/64" choke, TP 25 - 125#, 12 1/2 bbls. last hour on 2 1/4/64" choke, S/C 13.2% BS & drilling mud, No water.

1992

[illegible]

1970-1971

[illegible][illegible]

Section	Stratigraphic Unit	Thickness (ft)	Remarks
Section 1	1. Black shale	10	
	2. Thinly bedded limestone	15	
	3. Limestone with thin shale partings	20	
	4. Limestone with thin shale partings	25	
	5. Limestone with thin shale partings	30	
	6. Limestone with thin shale partings	35	
	7. Limestone with thin shale partings	40	
	8. Limestone with thin shale partings	45	
	9. Limestone with thin shale partings	50	
	10. Limestone with thin shale partings	55	

DISCUSSION

1. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land owned by the United States in the State of California: