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Subject: DelaRosa Bros.
Sam Shaw #2 Well
Torrance County, N.M.

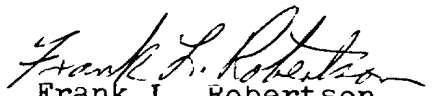
The DelaRosa Bros., Sam Shaw #2 is located in the east half of section 13, T. 4 N., R. 7 E., NMPM. The upper 500 feet of this hole encountered tuffaceous clay sediments of Tertiary. The lower 1350 feet encountered Abo clays and siltstones of Permian age.

The hole was logged at a depth of 1850 feet to determine the necessity of drilling deeper. Schlumberger logs consisted of Dual Induction-SFL and Compensated Neutron Formation Density. Using estimated water resistivity factors oil shows were calculated for the following intervals:

548-560 -----Siltstone	1370-1395 -----Siltstone
1024-1036 ----Siltstone	1404-1408 -----Siltstone
1092-1100 ----Siltstone	1431-1439 -----Siltstone
1150-1170 ----Siltstone	1443-1454 -----Siltstone
1210-1225 ----Siltstone	1460-1468 -----Siltstone
1290-1300 ----Siltstone	1497-1517 -----Siltstone
1320-1335 ----Siltstone	

A thin oil slick was observed on the mud pits at a depth of 570 feet but the heavy diesel odor in the samples made an accurate determination impossible.

Drill stem testing of the formations was ruled out on the basis of cost versus risk of losing the testing equipment. On the basis of electric log interpretation, the hole appears to have oil potential. Lacking the drill stem tests the exact potential is an unknown factor.


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Log Analysis

Schlumberger

COMPANY		WELL								
DE LA ROSA		SHAW #2								
WINDCAT		NEW MEXICO								
COUNTY		TORRANCE								
DEPTH	KT	Rw	Ln	Q	Q _{max}	R _{wa}	R _{wa} max	POROSITY	WATER	REMARKS
182-90	5.8	0.04	20%	11%	15.5%	0.07	.14		75%	
698-1706	10.0		19%	8%	13.5%	0.06	.18	46.9	77% ✓	
628-30	24.0		17%	7%	9%	0.04	.19		100%	
620-21	21.0	✓	16%	0%	8%	-	.13			TIGHT
552-56	52.0	0.3	17%	2%	2.5%				100%	LIGHT LIMESTONE
296-50-24	29.0		17%	11%	14%	0.35	.57		92%	
264-56	56.0		14%	7%	10.5%	0.27	.62		100%	
246-50	30.0		20%	12%	16%	0.43	.77		83%	
433-36	43.0		15%	11%	13%	0.52	.97		76%	
407-10	47.0	✓	20%	10%	15%	0.47	1.06		30%	
1386-92	61.0		17%	11%	14%	0.74	1.19		64%	
1370-75	59.0	✓	18%	11%	14.5%	0.7	1.07		65%	
1348-52	90.0		17%	8%	12.5%	0.56	1.41		72%	
1324-28	86.0		15%	6%	11.5%	0.55	1.14		74%	
291-97	78		18%	11%	14.5%	2.15	3.74		37%	
1279-85	200		12%	4%	8%	0.32	1.28		97%	
1212-18	115		18%	12%	15%	1.66	2.59		42%	
1218-22	210	✓	15%	13%	14%	3.55	4.12		29%	
1156-64	175		18%	15%	15.5%	2.96	4.25		34%	
1120-24	210		12%	9%	10.5%	1.75	2.31		42%	
1094-98	160		15%	13%	14%	2.70	3.14		33%	
1026-32	200		16%	10%	13%	2.05	3.46		38%	
552-60	65.0		17%	8%	12.5%	0.42	1.02		86%	
527-33	92.0		15%	0%	7.5%	-	0.52		100%	TIGHT

All interpretations are opinions based on inferences from electrical and other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

DATE	LOCATION	ENGINEER
12-9-79	FARMINGTON, N.M.	M. PRICE

Johnston Tactico 292-4109

~~make that~~

P.H.

777
328 and back

125 ~~sample~~
338 Jaro

53 ~~sample~~ and back
\$1496 ~~check~~

746/mile one way

746-2757

D.P. C.

Orville Cochran check

Orville Cochran Suite
His Credit Manager Bell 54
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29702
Middland, Tx.