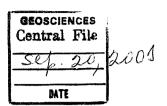


FINAL GEOLOGICAL REPORT

WELL: Z-2B- 24-079-D-LO6 LO6- 25 & LO6-25ST



1. Summary:

The original well **LO6-25**, spudded on March 14, 2001, reached the Upper Basal Salina at 9210' MD (-7307' VSS) with good oil shows C1 thru C5 469 feet lower than the expected top by prognosis. On April 14, during a trip for new bit at 9780', while running in hole at 340', the pressure increased to 1800 psi, bled off well and flowed to tank 140 barrels of crude oil. Shut in well with 2000 psi. WHP. The well was left on production with an **IPR of 1878 BO x 1740 psi x 3/8"**. Current plan was to continue drilling when the production decreases.

In order to conditioned hole to run production casing in well LO6- 25, kill the well with heavy mud weight (14.0 ppg), then began to RIH, while reaming at 6189' stuck pipe, working without success, make back off at 6156', top of fish at 6162', left in hole 22.84' of fish (bit, 2 stabilizer, pony monel). It was decided to drill a Sidetrack from 6000'. Set cement plug at 6140' with 300 sacks of cement.

Cumulative oil production before killing the well was 62 MBO.

On July 17 begun the drilling of **LO6-25 ST** well, the Upper Basal Salina was reached at 9210' MD (-7369' VSS) with poor and no oil shows in ditch cuttings very low gas readings. Because the Drilling Department considered too risky to continue drilling, the well was stopped at 9494' without penetrating the main sand, which was drilled in LO6- 25 original hole.

Between Aug. 13 to 24 set and cemented 5 $\frac{1}{2}$ " casing at 9474', ran CBL- VDL- GR, top of cement was detected at 8100' made squeeze job at 6257' to continue drilling Slim hole through the Basal Salina sands with 4 $\frac{3}{4}$ " bit.

On August 29, the well was stopped at final total depth of 9803' MD (-7938' VSS) in Lower Basal Salina. Ran 2 7/8" tubing with 3 $\frac{1}{2}$ " slotted liner, shoe at 9787', set packer RTTS at 9460'. Displaced mud by treated water.

Well came in and flowed to rig tank with an IPR of 675 BO x 371 BW x 900 psi x 976 GOR

The Mogollon Formation was reached at 7095 ft. MD. (-5370(ft. S.S) with 199 feet of vertical net sand thickness and fair oil shows and will be perforated as a future workover.

2. - Stratigraphy:

According ditch samples and electrical logs, the formational tops are as follows:

	Prognosed		Final To	ops	relate to prognosis	
	MD	VSS.	MD	VSS.		
Talara	At sea Bottom		At sea I	3ottom		
Chacra	3050	-2200	2197	-1769	431 ft. lower	
Rio Bravo	4550	-3100	4465	-3192	92 ft. lower	
Palegreda	6250	-4400	6160	-4503	103 ft. lower	
Mogolión	6850	-4900	7095	-5370	470 ft. lower	
San Cristobal	7800	-5800	7780	-6018	218 ft. lower	
Upper Basal Salina	8900	-6900	9210	-7369	469 ft. lower	
Lower BasalSalina			9504	-7649	a	
Balcones	9700	-7850			Not reached	
TD.	9900	-8050	9803	-7938	138 ft. lower	



Based on Power Log, the Petrophysical parameters are:

Formation	GrossSect MD (VD)	Net Sand MD (VD)	Net Pay MD (VD)	Average porosity	Average Sw	Average Vclay
Mogollón	` '	213 (199)	129 (120)	11.5	45.0	21.9
Upper Basal Salina		95 (90)	72 (68)	8.0	41.0	21.6
Lower Basal Salina		120 (116)	8 (7)	8.3	42.8	30.6

3. - Structure

Upper Basal Salina formation

The Upper Basal Salina formation was encountered 469 feet lower than prognosis, in a different faulted reservoir block of well LO6-22R, in the downthrown of a NE-SW dipping towards Northwest fault, however the Lower Basal Salina was encountered in the up thrown side in an isolated reservoir block of approximately 135 acres

4. - Production data

The Power Log the Lower Basal Salina calculates 7 feet of vertical net oil sands and a WOC at 9630' MD (-7778' VSS). However, the production response indicates secondary porosity due to faulting.

A summary of production is as follows:

Bbls. Oil	Bbls. Water	Choke	Pressure	Date
795	288	3/8"	1020	09/03/01
675	371	3/8"	900	09/04/01
781	266	3/8"	980	09/05/01
837	283	3/8"	940	09/06/01

Hugo Cornejo/ Mario Chavez

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