

Attachment for NMPC Form C-105 Shell Oil Company - McKinley A-19 Well No. 1
NW/4, SE/4, Sec. 19-18S-38E
Lea County, New Mexico

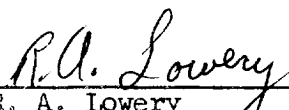
DST # 1: 7808' - 7942' (134' Silurian). Tool open 1 hour thru 3/4" BC, 1" TC, 4 1/2" DP. Opened w/good blow gradually decreasing to 0 in 1 hour. Recovery: 2430' (34 bbls.) mud + 360' (5 bbls.) slightly salty sulfur water cut mud + 540' (7.5 bbls.) heavily salty sulfur water cut mud + 3277' (37.5 bbls.) salty sulfur water. 60 minutes ISIBHP 2990 psi. FBHP 2651 - 2959 psi. 60 minutes FSIBHP 2970 psi. HMP in/out 3472/3454 psi. Recovery water titrated 5500 ppm Cl⁻. Pit mud titrated 1700 ppm Cl⁻.
Conclusive Test. (Foster)

DST # 2: 5155' - 5365' (210' San Andres). Tool open 90 minutes thru 5/8" BC, 1" TC, 4 1/2" DP. Tool opened w/good blow, died in 90 minutes. Recovered 180' (2.6 bbls.) mud + 540' (7.5 bbls.) slightly salt water cut mud + 180' (2.6 bbls.) salt water cut mud + 90' (1.3 bbls.) mud cut salt water + 2520' (31.4 bbls.) salt water. 60 minutes ISIBHP 1840 psi. FBHP 390 - 1490 psi. 60 minutes FSIBHP 1800 psi. HMP in/out 2315/2315 psi. Recovery water titrated 3000 ppm Cl⁻. Pit mud titrated 1000 ppm Cl⁻.
Conclusive Test. (HOWCO)

DEVIATION RECORD

351' = 1 1/4 deg.	4500' = 4 deg.	7623' = 4 1/2 deg.
787' = 3/4 deg.	5090' = 3 deg.	7942' = 4 deg.
1130' = 3/4 deg.	5480' = 3 1/4 deg. S23°W	8202' = 3 1/4 deg.
1630' = 3/4 deg.	5576' = 3 deg.	8458' = 3 1/4 deg.
2650' = 2 deg.	6021' = 3 3/4 deg.	8740' = 4 1/4 deg.
2840' = 2 deg.	6271' = 4 deg.	9161' = 4 3/4 deg.
3230' = 3/4 deg.	6480' = 4 1/2 deg. S37°W	9320' = 5 3/4 deg.
3812' = 1 deg.	6552' = 4 1/4 deg.	9418' = 6 deg.
3980' = 1 1/2 deg.	7234' = 4 3/4 deg.	
4340' = 3 deg.	74221' = 4 1/2 deg.	

August 30, 1962


R. A. Lowery
District Exploitation Engineer