

FOREST OIL CORPORATION, State-B Lee #1 (Form C-105 Supplement)

Location: SE-1/4 - NW-1/4, Sec. 7, T-18-S, R-35-E, NMPM, Lea County, New Mexico.

- 2-13-62 Open Hole Drill Stem Test #1 Abo Reef. Halliburton packers. 5/8"x1" chokes, no water cushion. Tested from 8115-8350' T.D. Tool open 3 hrs. Sweet gas to surface in 31 minutes, TSM. Did not flow. Reversed out 1700' HOGCM, 3300' free oil, no water. 3' oil below sub. 15-minute ISIP 2200#, 30 minute FSIP 1990#, IF 460#, FF 1065#. Hydrostatic pressure in 3735, out 3715.
- 2-14-62 Open Hole Drill Stem Test #2 Abo Reef, Halliburton packers. 5/8"x1" chokes, no water cushion. Tested from 8345-8450' T.D. Tool open 3 hrs. Gas to surface in 7 minutes, 277 MCFD. Did not flow. Reversed out 120' HOGCM, 3640' oil (41.1 deg. gravity), recovered 5' oil under sub. No water. 30-minute ISIP 2830#, 30-min FSIP 2285#, IFP 190#, FFP 800#. Hydrostatic pressure in 3800#, out 3780#.
- 2-16-62 Open Hole Drill Stem Test #3 Abo Reef, Halliburton packers, 5/8"x1" chokes, no water cushion. Tested from 8666'-8788' T.D. Tool open 3 hrs. Gas to surface 1 hr. 22 min. Volume TSTM. Recovered 360' HOGCM, 3' oil under sub. 30-minute ISIP 1990#, 30-minute FSIP 1095#, IFP 65#, FFP 125#, Hydrostatic pressure in 4055#, out 4035#. BHT 141 deg. F. Drilled to total depth off 8859'.
- 2-17-62 Log were run and 5 $\frac{1}{2}$ " O.D. casing was run and cemented (on 2-18-62) as follows:
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| 1693.90' | 5 $\frac{1}{2}$ " O.D. 17# N-80 Buttress thread |
| 4379.04' | 5 $\frac{1}{2}$ " O.D. 15.50# J-55 LT&C |
| 1504.85' | 5 $\frac{1}{2}$ " O.D. 17# J-55 ST&C |
| 1265.93' | 5 $\frac{1}{2}$ " O.D. 17# N-80 LT&C |
| 3.35' | 5 $\frac{1}{2}$ " O.D. Baker fill collar and guide shoe. |
| 8847.07' | Total string casing set : 8858.93 |
- Cemented with 450 sks. regular cement 50-50 Poz-mix, plus 18% gel and .2% HR-7 and 200 sks. Incor Neat cement with .8% Hallit 9 added. Total volume required to fill annular area back to 8-5/8" casing calculated by Drill Prodo 1430 cu. ft. Used 1630 cu. ft. cement and additives or 14% in excess of calculated amount. Temperature survey showed top cement to be at 4060'.
- 2-19-62 After displacing mud with water casing was tested holding 2000# CWP 30-minutes without loss. The casing was perforated by Lane-Wells Co. using 2 "E" bullets per foot at the following intervals: 8405-12', 8424-32' and 8512-8628'.
- 2-20-62 Ran 2-3/8" O.D. EUE 4.7# J-55 tubing and spotted 1000 gals. mud acid over perforations. Picked tubing up to 8403' and set Baker "R" Double Grip packer at 8152'. Followed 1000 MCA with 5000 gals. 15% NE acid injecting 200 ball sealers during treatment which ranged from a maximum of 4500# to a minimum of 3400# at 2 b/m rate. Immediate shut in pressure 2950#, 5-minute SIP 1450#.

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