

McCLELLAN OIL CORPORATION HARRIS FED. NO. **RECEIVED**
Section 21-T15S-R29E
330' FNL & 2310' FWL
Chaves County, New Mexico
Elevation: 3823' G.L.

JUL 01 1983

O. C. D.
ARTESIA, OFFICE

- 1/12/83: Rig up Yucca Drilling, spudded at 4:00 p.m. 1-11-83 with 12 $\frac{1}{4}$ " bit. Drilled to 335'. Present operation: Running 8-5/8" casing.
- 1/13/83: Drilled to 335'. Set 331.45' of 8-5/8" 20# casing. Cemented with 200 sx Class "C", 2% CaCl₂, Ready mixed with 2 yards. WOC 18 hours. NU Bop and rotating head. Drilled out with 7-7/8" bit. 3 $\frac{1}{2}$ " - drilling, $\frac{1}{2}$ hr - tripping 1 hr. - run casing, 1 hour - cementing, 18 hrs. - WOC. Present operation - drilling at 530'.
- 1/14/83: Drilling at 1510'. Drilled 24 hours, drilling dry.
- 1/15/83: Drilled to 1780'. SD 4 hours for blow test. Good show of gas, no show of oil. TD at 1805'. Ran 1805' of 4 $\frac{1}{2}$ ", 9.5#, J-55 casing. Cemented with 150 sx Class "C", 50/50 Poz with 2% gel, 6# salt, .3% CFR₂, .4% Halad-4. Temperature survey after 12 hours. TOC - 1100' PBD - 1802' Release rig. WOC.
- 1/18/83: Rig up pulling unit. Ran Dresser cased hole, compensated neutron log. Pulled out of hole. Ran select fire guns in hole. Perf from 1726, 28, 30, 32, 34, 35, 2 JSPF. Rig up Halliburton, broke down formation at 100 psi at 5 bbl/min. Frac well at 26 bbl/min at top psi of 2200#. Frac well with 500 gal. of 15% NE acid ahead with 18,500 gals 30# gel H₂O using 120sx 20/40 sand, 85 sx 10/20 sand.
ISIP - 1150 psi
5 min. - 1050 psi
10 min. - 1050 psi
15 min. - 1050 psi
Shut in for 24 hours and flow back well.
- 1/19/83: Swabbed and flowed back frac load.
- 1/20/83: Swabbing back frac load. Swabbed approximately 40 bbl. with slight show of gas.
- 1/21/83: Swabbing back frac load. Fluid level at 300' from TD. Swabbing approximately $\frac{1}{2}$ bbl. every hour.
- 1/22/83: SI
- 1/23/82: SI
- 1/24/83: Fluid level 300' from TD. Pumped 22 tons liquid CO₂ and 2000 gals hot water at 10 BPM at 1600 psi. Shut in 10 mins. Flowing load to pit. Left open overnight.
- 1/25/83: Recovered approximately 50 bbl. load water. Ran casing swab. Recovered approximately 40 bbl. Flowed gas to pit, 9 psi on $\frac{1}{4}$ " choke. SION
- 1/26/83: Ran tubing, pump and rods to pump back frac load. 16 hour shut in buildup to 150 psi.
- 1/27/83: Pumping back frac load, 0 bbl. oil, 10 bbls.- water, small amount of gas.
- 1/28/83: Ran 24 hour production test. 108 MCFD 8 bbls. load water.
- 2/04/83: Pumping 3 BPD load water.
- 6/30/83: Phillips performed test showing 64 MCFD production. SI. Waiting on pipeline.