

Markham #1
Lea County, New Mexico

10073-1-1071 C.O.C.
Oct 2 4 16 PM '64

Location: 660' FS&EL of Section 11, T-9-S, R-35-E
Elevation: 4125' Ground
Spud Date: October 2, 1964
Depth: Clean out to 4825'

1. Casing Program:

- A. Surface - Well presently equipped with 13-3/8" OD casing set at 343', and cement circulated w/225 sacks.
- B. Oil String - Well presently equipped with 9-5/8" OD casing set at 5000' and cement circulated w/3375 sacks. Cement plug in 9-5/8" from 4809' to 5200'. 10 sack cement plug in top of 9-5/8" casing. Also 50 sack plug over perforations inside 7" from 9645-54'. 7" casing shot off at 5170'. Cast iron Bridge Plug set in 7" casing at 9550' with 1-1/2 sacks cement on top of plug.

2. Workover Program:

1. Drill out cement in top of 9-5/8" casing with rat-hole machine. Weld 9-5/8" x 5-1/2" swedge to 9-5/8" casing. Nipple up 5-1/2" tubing head.
2. Rig up pulling unit. Go in hole with 4-3/4 - 6-5/8" used bit run on 2" tubing to 4825'. Drill any bridges by rotating tubing with tubing tongs and circulate by using a kill truck.
3. After cleaning out to 4825', displace mud with water and pull bit and 2" tubing.
4. Run GR-N Log from 3825-4825'.
5. Perforate 2 holes per foot from 4780-85' (depths on open-hole logs).
6. Go in hole with 4750' of 2" tubing with seating nipple on bottom; nipple up wellhead and Xmas tree.
7. Acidize perforations with 2000 gallons acid.
8. Swab well in.

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