

DAVID R. GLASS
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

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29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure):

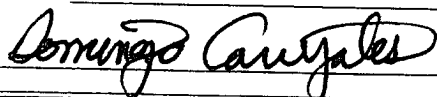
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Domingo Carrizales**Title **Sr. Petroleum Engineer**

Signature

Date **03/29/2005**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

Surface Csg
 Hole Size: 12 1/4 in
 Csg. Size: 9 5/8 in
 Set @: 1132 ft
 Sxs Cmt: 547
 Circ: Yes
 TOC @: surf
 TOC by: circ

Production Csg.
 Hole Size: 8 3/4 in
 Csg. Size: 7 in
 Set @: 2920 ft
 Sxs Cmt: 400
 Circ: No
 TOC @: 1846 f / surf
 TOC by: TS

PBTD: 3130 ft
 TD: 3130 ft

OH ID: 6 1/4 in

OH Interval
 2920 - 3130'

Top of Fill
 at 3100'
 2 CIBPs at 3125'

LEASE NAME

Cooper Jal Unit

WELL NO.

232

STATUS: active

Oil

API#

30-025-11289

LOCATION: 1980 FNL & 1917 FWL, Sec 30, T - 24S, R - 37E; Lee County, New Mexico

SPUD DATE: TD 3130 KB 3,269' DF

INT. COMP. DATE: 10/12/49 PBTD 3130 GL 3,260'

ELECTRIC LOGS:

Temperature Survey (9-27-49 Halliburton)
 GR-N from 0 - 3128' (10-2-49 Lane Wells)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2972'

CORES, DST'S or MUD LOGS:

CASING PROFILE

SURF. 9 5/8" - 36#, J-55 set@ 1132' Cmt'd w/547 sxs - circ cmt to surf.

PROD. 7" - 20#, J-55 set@ 2920' Cmt'd w/400 sxs - TOC @ 1846' from surface by Temperature Survey.

LINER None

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

2920 - 3130'

TUBING DETAIL

8/16/2004

ROD DETAIL

8/16/2004

Depth	Detail
2799	87 7/8" J-55 6.5# 8rd tbg
4	1 2 7/8" x 7" TAC
252	10 7/8" J-55 6.5# 8rd tbg
1	1 2 7/8" SN
4	1 2 7/8" Perf Sub
32	1 2 7/8" OEMA
3092	

Depth	Detail
22	1 1/4" x 22' polish ro w/7/8" pin
10	1 1/4" x 1 1/2" x 10' liner
4	2, 2', - 1" pony rods
775	31 1" KD rods (new)
825	33 7/8" KD rods (new)
1400	56 3/4" KD rods (new)
20	1 2 1/2" x 1 1/2" x 20' RWBC Pump
3056	

WELL HISTORY SUMMARY

12-Oct-49 Completion Interval: 2920 - 3130 (Yates - OH): No stimulation - IP= 77 bbls of load oil, 0 bwpd, & 2,695 Mcfgpd (flowing)
 01-Jul-53 NMOCC reclassified well from oil to GAS.
 10-May-65 Shut-in well - wouldn't flow against high pressure line. (Line pressure unknown)
 21-Jun-74 C/O fill from 3114 - 30' (16') with sand bailer.
 19-Dec-74 Swabbed well to restore production.
 28-Mar-75 Pulled tubing - perforated nipple plugged with paraffin.
 27-Jun-76 Producing 4 bwpd & 0 bwpd (pmp)
 20-Aug-76 Calcium Sulfate Treatment: Pmp 2 drums MG-50 paraffin solvent, 2 drums FM-60 (Mutual Solvent) and acidz'd w/1000 gals 15% HCL.
 28-Oct-76 Producing 3 bwpd & 0 bwpd (pmp)
 19-Nov-76 C/O fill from 3120 - 30' (10'). Jet washed OH from 2920 - 3130'. Frac' OH w/ 40,000 gals gelled wtr carrying 31,000#s 20/40 sand & 9,000#s 10/20 sand using 1100#s rock salts as blocking agent for 3 stage job. AIR=21 bpm @ 2100 psi. ISIP=600 psi, P5min=vacuum. C/O 75' of sand after frac. After W/O: 4 bwpd & 1 bwpd
 24-Jan-78 Producing 10 bwpd & 0 bwpd (pmp)
 19-Jan-79 Producing 6 bwpd & 11 bwpd (pmp)
 16-Nov-93 Replaced 1 jt of 2 3/8" tbg. Replaced rod pmp. Returned well to production
 20-Dec-95 Replaced rod pmp and 55 - 3/4" rod boxes.
 18-Sep-99 Set pkr @ 2820' and test csg to 500 psi. OK. Attempt to set CIBP @ 2820' - would not set. POOH and did not have CIBP. TIH w/tbg open ended to 2990' and did not tag CIBP. (btm csg @ 2960'). Circ pkr fluid. Test csg to 500 psi. 7" CIBP lost in OH. Set CIBP @ 2820' on tbg. Dmp 35' of cmt on top of CIBP. PBTD @ 2785'. Flange up wellhead. Well is TA'd effective 9-18-99.
 Re-entered T/A Well in Jalmatl
 09-Mar-04 RIH with 6 1/2" bit, 6 4 1/4" drill collars on 2 7/8" tbg and tagged at 2818'. Drilled out 2' cement and CIBP at 2820'. Pushed CIBP to 3125'. RIH with pkr and set at 2876'. Swabbed test, recovered 18 bbls of water in 3.5 hours. No oil cut! RIH with 2 7/8" tubing, pump and rods. PWOP.
 13-Aug-04 POOH with rods and pump. Tagged fill at 3100'. Hydrotest tubing in hole to 7,000# - test good. Set TAC with 18,000# pull. PWOP.

PREPARED BY:

Larry S. Adams

D. Carrizales

UPDATED:

17-Aug-04