

DAILY COMPLETION REPORTS
Unit Federal No. 114
Eddy County, New Mexico

Big Eddy

Page No. 7

- Unseat packer and trip out of hole with tubing receptacle and packer.
- Shut in and Shut down at 5:15 PM.

March 9, 1990:

- Rigged up Atlas Wireline Service and ran 5 1/2" CIBP in 3 runs (1) misrun shorted out firing head, (2) misrun loose connection on collar locator, (3) run set CIBP at 12,940' and capped with 25' cement with dump bailer.
- Shut down at 5:00 PM.

March 10, 1990:

- Trip in hole with 410 joints tubing to 12,803' K.B.
- Displaced hole with 275 barrels 3% KCL water with 110 gallons tretolite C 170 corrosion inhibitor.
- Spotted 250 gallons of 10% Acetic acid at 12,803'.
- Trip in hole with tubing.
- Shut in and shut down at 3:30 PM.

March 11, 1990:

- Shut down for Sunday.

March 12, 1990:

- Rig up Atlas Wireline. Went in hole and perforated from 12,792' - 12,801' open hole log measurement with 4" golden jet cased hole gun with (37 holes)
- Ran Baker loc-set packer, 4' sub, ER Receptacle, 403 joints 2 7/8" tubing.
- Reverse circulate with 10 barrels 3% KCL water, set at 12,590' K.B., tubing corrected to open hole log measurement.
- Nipple down BOP and nipple up Tree, test packer and annulus to 1500 psig, no pressure loss.
- Halliburton displaced acetic acid into formation with 6 barrels 3% KCL water.
- Breakdown pressure 3750 psig, displaced at 3940 psig, back to 3730 psig at 2.2 BPM.
- ISIP 3200 psig, in 10 minutes 800 psig. Load to recover 83 barrels.
- Open to pit, flowed down, rig up swab and made 4 swab runs, recovered estimated 40 barrels load water.
- Kicked off and flowed for 10 minutes, cleaned up to heavy fluid mist with gas.
- Shut in, layed down lubricator and install gauge, in 8 minutes 1400 psig.
- Open and flowed 15 minutes on 32/64" choke, TP 850 psig, not stabalized, gas with light to heavy muddy fluid mist.
- Shut down and Shut in at 6:00 PM.

March 13, 1990:

- 7:00 AM 13 hour SITP 4000 psig. Open to pit on 24/64" choke, at 7:15 AM TP 1900 psig, fluid to surface, heavy gray mist too wet to burn for 3 minutes.

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Page No. 8

- At 7:30 AM on 24/64" choke, TP 1850 psig, (estimated 6.3 MMCF/day), with light mist to occasional heavy mist.
- 7:45 AM TP 1800 psig, light fluid mist.
- 8:00 AM TP 1775 psig, light fluid mist.
- 8:15 AM TP 1850 psig, light fluid mist, with occasional slugs mud.
- 8:30 AM TP 1725 psig, 8:45 AM 1700 psig, 9:00 AM 1650 psig, 9:15 AM 1600 psig, 9:30 AM TP 1550 psig.
- Shut in to extinguish flare, pasture catching fire from rocks blowing out of pit.
- 10:30 AM SITP 3725 psig, open every 15 minutes, unable to flow with out gas igniting.
- 10:30 - 1:45 PM flow on 10/64" choke - 24/64" choke, unable to maintain continuous flow with out gas igniting on hot spots in pit.
- 1:45 PM flowing on 24/64" choke 1500 psig, Shut in for pressure build up.
- 2:45 PM 3550 SITP, at 3:45 Pm SITP 3650 psig.

March 14, 1990:

- 7:45 AM 18 hour SITP 3875 psig, 13 hour SITP 3825 psig. Well presently shut-in for bottom hole pressure test.

March 15, 1990:

- 7:45 AM 42 hour SITP 3975 psig. Rig up Well Testers.
- Waited on Jarrell Testers to run BHP test.
- Pulling unit had cracked derrick leg, waited on welder, then rigged down unit.
- Rig up Jarrell. Started test at 2:50 PM, SITP 3900 psig by Jarrell.
- First hour flowing on 18/64" choke, TP 2650 psig, estimated 6,200 MCF/day.
- At 7:00 PM flowing on 18/64" choke, TP 2475 psig, no estimated rate.

BHP RESULTS:

46.5 hours SI, Surface pressure 4030 psig.

Made 8-10 gradient stops.

At 12,585', pressure 5222 psig.

Extrapolated to mid perf at 12,797', pressure 5239 psig. (Amerada Instrument).

No results on Electronic Instrument at this time.

March 16, 1990:

- 7:00 AM flowing on 18/64" choke, TP 2250 psig, rate 5,288 MCF/day. Tubing pressure dropping approximately 50 psig in 2 hours. Well on 48 hour flow test.

March 17, 1990:

- 48 hour flow test began at 3:00 Pm 3/15/90. and ended at 3:00 PM 3/17/90. Results as follows:
- Beginning flow test at 3:00 PM 3/15/90; 18/64" choke, TP 2970 psig, static pressure 810, differential 70", meter temperature 34 degrees, 2" orifice, estimated gas 6303 MCF/day.