J. N. Carson (NCT-C) # 2
Blinebry Field
T21S, R37E, Section 33
Job: Plug And Abandon

Procedure:

This well is located in or near a public area of the city of Eunice. Before commencing work, have a risk assessment performed by the FCS. If the work cannot be performed with the safety of the public assured, then perform this abandonment with a single derrick rig under supervision of the FCS.

1. MI & RU pulling unit. Bleed pressure from well, if any. Pump down csg with 8.7 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test to 1000 psi.

2. POH with 2 3/8" tubing string. LD tubing string and SN while POH.

3. PU 6 ¼" MT bit and GIH on 2 7/8" work string to approximately 5450'. POH with 2 7/8" work string and bit. LD bit.

4. MI & RU electric line unit. GIH and set CIBP at 5400'. POH. GIH and dump 35' cmt on top of CIBP at 5400'. POH. GIH and perforate from 2900-01' with 4 JSPF at 90 degree phasing. POH. RD and release electric line unit.

5. PU and GIH with 2 7/8" work string open-ended to 5350'. LD and tag top of cmt on CIBP at 5365' (CIBP set at 5400' with 35' cmt on top). Displace casing with 9.5 PPG salt gel mud from 5365'. POH with 2 7/8" work string.

6. PU and GIH with 7" pkr on 2 7/8" work string to 2780'. Set pkr at 2780'. Establish pump-in rate into squeeze holes at 2900-01' using fresh water. Open 13 3/8" surface casing valve and 9 5/8" intermediate csg valve while pumping and observe for circulation to surface. If circulation is obtained, circulate fresh water to surface at maximum pump rate until returns are clean. POH with 2 7/8" work string and pkr. LD pkr. **Note: If cannot pump into perfs 2900-01, contact Gary Wink at NMOCD to obtain permission for balanced cement plug from 2950-2750' inside 7" csg.**

7. PU and GIH with tbg-set CICR on 2 7/8" work string to 2780'. Set CICR at 2780'. Pressure test csg and CICR to 300 psi. Establish pump-in rate into perfs 2900-01'. Hold 300 psi on tbg/csg annulus during sqz job.

8. RU cementing equipment. Cement squeeze perfs 2900-01' using Class C cement mixed to 14.8 PPG w/ 1.32 CFY. Circulate cement to surface through 9 5/8" intermediate casing and then close 9 5/8" intermediate csg valve. After closing intermediate casing valve, attempt to achieve 1500 psi squeeze pressure. **Note: Perform entire squeeze job with 13 3/8" surface casing valve open. If cement circulates to surface through 13 3/8" surface casing, close surface casing valve and continue job.**

9. Sting out of cement retainer. Reverse circulate clean from 2780' using 9.5 PPG salt gel mud. PUH to 2500'. Spot balanced cmt plug from 2400-2500'. PUH to 2000'. Reverse circulate well clean from 2000' using 9.5 PPG salt gel mud. WOC 2 hrs. LD and tag cmt plug at 2400'. POH with 2 7/8" work string.

10. MI & RU electric line unit. GIH and perforate from 1175-76' with 4 JSPF at 90 degree phasing. POH. RD and release electric line unit.

11. PU and GIH with 7" pkr on 2 7/8" work string to 1050'. Set pkr at 1050'. Establish pump-in rate into perfs 1175-76'. Open 13 3/8" surface casing valve and 9 5/8" intermediate csg valve while pumping and attempt to establish circulation to surface. Circulate fresh water to surface at maximum pump rate until returns are clean. POH with 2 7/8" work string and pkr. LD pkr.

12. PU and GIH with tbg-set CICR on 2 7/8" work string to 1050'. Set CICR at 1050'. Pressure test csg and CICR to 300 psi. Establish pump-in rate into perfs 1175-76'. Hold 300 psi on tbg/csg annulus during sqz job.

13. RU cementing equipment. Cement squeeze perfs 1175-76' using Class C cement mixed to 14.8 PPG w/ 1.32 CFY. Circulate cement to surface through 13 3/8" surface casing and then close 13 3/8" surface csg valve. After closing surface casing valve, attempt to achieve 1500 psi squeeze pressure. **Note: Perform entire squeeze job with 9 5/8" intermediate casing valve open. After achieving final squeeze pressure, close 9 5/8" intermediate casing valve to prevent gas migration.**

14. Sting out of cement retainer. Reverse circulate clean from 1050' using fresh water. POH with work string and stinger. LD stinger. SWI overnight for cement to cure.

15. Open well. Check for gas flow from 13 3/8" surface casing and from 9 5/8" intermediate casing. **Note: If gas flow is detected, contact Engineering for additional procedures before proceeding.** GIH w/ 2 7/8" open-ended work string to 1050'. Tag CICR at 1050'. Displace fresh water from csg using 9.5 PPG salt gel mud. PUH to 350'. Spot balanced cmt plug from 240-350'. PUH to 100'. Reverse circulate well clean from 100' using 9.5 PPG salt gel mud. WOC 2 hrs. LD and tag cmt plug at 240'. PUH and spot Class "C" cement plug inside casing from 60' to surface. RD cementing equipment.

16. Remove BOP's. RD and release pulling unit.

17. Cut off all casings 3' below ground level. Weld steel plate with 1/2" valve (plugged with 1/2" FS plug) on top of casing strings. Backfill and install NMOCD P&A marker.

18. Clear and bioremediate well location.

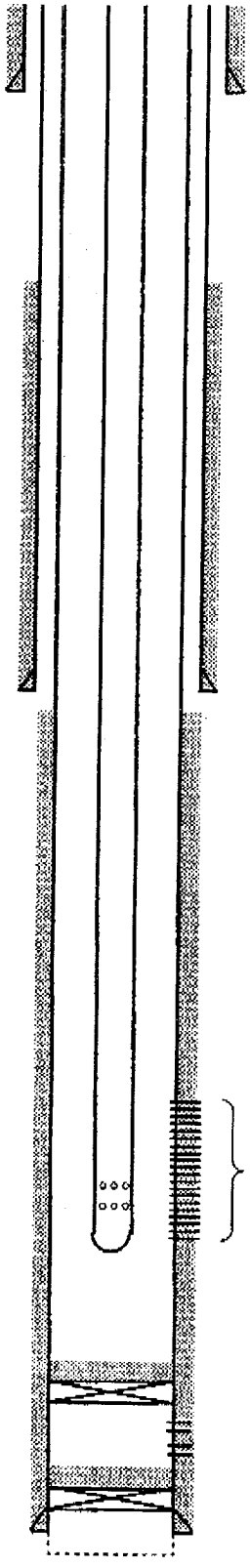
AMH
9/19/2001

Well: **J. N. Carson (NCT-C) # 2** Field: **Blinebry O&G** Reservoir: **Blinebry**

Location:
460' FNL & 635' FEL
Section: 33
Township: 21S
Range: 37E Unit: A
County: Lea State: NM

Elevations:
GL: 3447'
KB: 3462'
DF:

Current Wellbore Diagram



Well ID Info:
Chevno: FA8067
API No: 30-025-06970
L5/L6: U460900
Spud Date: 1/9/47
Compl. Date: 2/26/47

Surf. Csg: 13 3/8", 48#
Set: @ 298' w/ 300 sx
Hole Size: 17 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Interm. Csg: 9 5/8", 36#, H-40
Set: @ 2850' w/ 1300 sx
Hole Size: 12 1/4"
Circ: No **TOC:** 1270'
TOC By: Temperature Survey

Subsequent Workovers/Recompletions/Remarks:

March-47 Acid OH w/500 gals acid.

May-47 Acid OH w/2000 gals 15% HCL.

July-76 Perf f/ 6324-26' and 6354-56'. Acid w/1450 gals 15% HCL. Frac w/28750 gals gelled wtr & 2# 20-40 sand.

April-94 Set CIBP @ 6450' w/10' cmt on top and set CIBP @ 6300' w/10' cmt on top. Perf f/ 5464-5955' w/2 JHPF. Acid perfs f/5464-5955' w/4000 gals 15% HCL. Frac perfs f/ 5464-5955' w/75,000 gals 35# x-linked gel w/50% CO2 and 175,000# 16/30 sand.

5465-5955' Blinebry Gas - Open (2 JHPF, 40 holes total)

Prod. Csg: 7", 23#, J-55
Set: @ 6500' w/ 700 sx
Hole Size: 8 3/4"
Circ: No **TOC:** 3005'
TOC By: Temperature Survey

6324-26' Drinkard Gas - Below CIBP
6354-56' Drinkard Gas - Below CIBP

Openhole Interval (6 1/4" hole)
6500-6572' Drinkard Oil - Below CIBP

CIBP @ 6300'
(10' cmt on top)

CIBP @ 6450'
(10' cmt on top)

PBTD: 6290'
TD: 6572'

Updated: 9/17/01

By: K. M. Jackson

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Township: 21S
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Proposed
Wellbore Diagram

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TOC By: Circulated

CICR @ 1050'

(Top of Salt @ 1160')

Blk Sqz Perfs @ 1175'

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(Base of Salt @ 2400')

CICR @ 2780'

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Updated: 9/17/01

By: K. M. Jackson