

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT1625 N. French Drive
Hobbs, NM 88240FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

RECEIVED

2. Name of Operator

ConocoPhillips Company

MAR 15 2005

3a. Address

4001 Penbrook Street Odessa TX 79762

3b. Phone No. (include area code)
(432)368-1667

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FSL & 1980' FWL
UL "N", Sec. 1, T-22-S, R-30-E

5. Lease Serial No.

NM-703395-70335

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Livingston Ridge Federal #9

9. API Well No.

30-015-21050

10. Field and Pool, or Exploratory Area

Cabin Lake (Delaware)

11. County or Parish, State

Eddy

NM

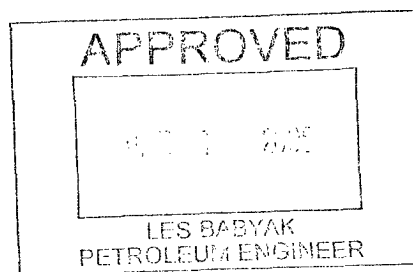
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well presently a "Shut-In" Cherry Canyon Producer, wish to recompletable to the Brushy Canyon.

Wellbore schematic & Procedure Attached



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Celeste G. Dale

Title

Regulatory Analyst

Signature

Celeste G. Dale

Date

03/04/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

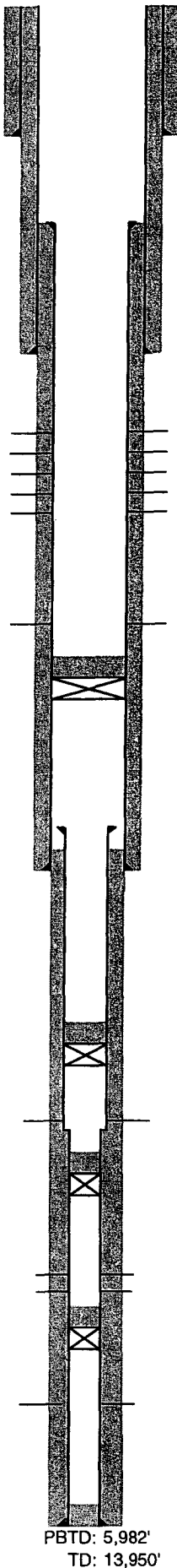
Office

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

ConocoPhillips - Permian Basin Area

January 6, 2005



KB @ 3,357'
GL @ 3,337'

17 1/2" hole
13 3/8" Casing @ 475'.
15 jts - 48#, H-40, ST&C.
400 sx cmt. Circ 55 sx.

7 5/8" Liner Hanger @ 3,663'

12 1/4" hole
10 3/4" Casing @ 3,748'.
94 jts - 51#, P-110, ST&C.
1,700 sx cmt. Circ 300 sx.

Delaware Bell Canyon Perfs (Sqzd):

3,854-3,920' (1 spf) Sqzd
3,936-4,024' (1 spf) Sqzd
4,318-4,354' (1 spf) Sqzd
4,364-4,440' (1 spf) Sqzd
4,456-4,538' (1 spf) Sqzd

Delaware Cherry Canyon Perfs:
5,824-5,866' (1 shot / 2 ft)

CIBP @ 6,015 (TOC @ 5,982')

5 1/2" Liner Hanger @ 10,167'

9 1/2" hole
7 5/8" Liner @ 10,350'
Hanger (3663-3773')
29.7#, N-80 (3673-8435')
33.7#, N-80 (8435-8869')
37.0-39.0#, N-80 (8869-10,348')
Float & Shoe (10,348-10,350')
1,450 sx cmt. Did not circ.

CIBP @ 12,300' (TOC @ 12,253')

Strawn Perfs:
12,357-12,370' (3 spf)

4 1/2" BP @ 13,510' (TOC @ 13,490')

Morrow Perfs:
13,543-13,556' (4 spf)
13,360-13,370' (8 spf)

EZ Drill BP @ 13,802' (TOC @ 13,777')

Morrow Perfs:
13,893-13,905' (2 spf)

6 1/2" hole
Tapered Liner (10,170-13,950'):
5 1/2" 17# (10,170-11,041'), 20# X-Line (11,041-12,454'),
4 1/2" 13.5# FJ Hydril (12,454-13,950')
500 sx cmt. Circ.

PBTD: 5,982'
TD: 13,950'

Lease & Well No.:

Livingston Ridge Federal #9

Well Category:

One

Area:

Cabin Lake

Subarea:

Delaware

API Number:

30-015-21050

Legal Description:

990' FSL and 1,980' FWL
Sec 1, T-22-S, R-30-E
Eddy County, New Mexico

Spudded:

12/20/73

Completed:

07/08/74

Well History:

- 6/74** Perf'd Morrow 13,893-13,905' w/ 2 spf (24 holes). Acdz'd 13,893-13,905' w/ 2500 gal Western MS acid. Swbd wtr w/ no gas. Set EZ-drill BP at 13,802' w/ 25' cmt on top. Perf'd Morrow 13,660-13,670' w 8 spf, 13,543-13,556' w/ 4 spf (132 holes). CAO of 24,990 mcf'd on 7/8/74 4-pt test.
- 9/77** Set CIBP at 13,510' w/ 20' cmt on top. Perf'd Strawn 12,357-12,370' w/ 1 spf (14 holes). Acdz'd 12,357-12,370' w/ 3000 gal 15% NE HCl. IPF 34 bo, 215 mcg, 12 bw / 4 hrs on 9/29/77.
- 7/78** Set 50 sk cmt plugs at 12,170-400', 10,037-300', 7439-7650', 4839-5150'. Set CIBP at 4950'. Perf'd Delaware Bell Canyon 3,884-88', 3,896-3,900', 3,907-11' w/ 1 spf (15 holes). Swbd 100% wtr. Set 65 sk cmt plugs at 3588-3738', 2050-2150', 425-525', and 15 sk cmt plug at surface. Plugged & abandoned 7/21/78.
- 11/91** Drld out cmt plugs to 4826'. Tstd perfs 3884-3911' to 1000#. Held 30 min. Drld out cmt plugs & CIBPs to 12,447'. Perf'd Strawn 12,357-12,370' w/ 2 spf (26 holes). Acdz'd 12,357-12,370' w/ 4000 gal 20% NEFE HCl. Acid frac'd 12,357-12,370' w/ 10,000 gal 20% NEFE HCl. Set injection pkr at 12,225' & converted to SWD well.
- 10/92** Set CIBP @ 12,300' w/ 5 sx cmt cap. TOC @ 12,253'. Set 50 sk cmt plug 9998-10,300'. Set CIBP @ 5000' w/ 5 sx cmt cap. TOC at 4964'. Perf'd Delaware Bell Canyon 3854-3920', 3936-4024', 4318-4354', 4364-4400', 4456-4538' w/ 1 spf (353 holes). Acdz'd 3854-4538' overall w/ 1500 gal 20% NEFE HCl. Set inj pkr at 3758' to continue SWD.
- 2/93** Drld out cmt and CIBP @ 5000'. CO to 6200'. Set CIBP @ 6015'. Perf'd Delaware Cherry Canyon 5824-5866' w/ 1 shot every 2 ft (22 holes). Dmp'd 8 sx cmt on CIBP. Acdz'd 5824-5866' w/ 2000 gal 7.5% NEFE HCl acid. Frac'd 5824-5866' w/ 4000 gal 35# linear gel (3% diesel) prepad, 26,000 gal borate x-linked 35# gel (3% diesel) pad, & 3000 gal 35# linear gel (3% diesel) w/ 14,250# 20/40 mesh Ottawa sand & 10,000# 16/30 mesh Ottawa sand. Set pkr at 5710' to isolate Delaware Bell Canyon perfs 3854-4538'. IPF 60 bo, 26 mcg, 268 bw / 24 hrs on 4/2/93.
- 12/93** Pulled pkr. Set CIBP @ 4,650'. Squeezed perfs @ 3854-4538' w/ 200 sx cmt. Drld out CIBP @ 4,650'. Tstd csg to 500#. OK. Milled out CIBP & CO to 5982'. Placed Delaware Cherry Canyon 5824-5866' back on production.

Recommended Procedure

1. MIRU well service rig. POOH w/ rods & pump. RU pump truck to kill well. ND wellhead and NU shop tested, Class 1 Hydraulic BOP and environmental tray.
2. TOOH w/ 2 7/8", 6.5#, J-55 tubing. Visually inspect tubing while pulling. If condition is good, tubing may be used as workstring. If not, stand back 2 7/8" tubing and PU 2 7/8" workstring. Haul in enough 2 7/8" workstring to clean out well to 7800'+/- in Step #7.
3. TIH w/ 7 5/8" casing scraper on 2 7/8" WS to 5800'+/-. TOOH w/ casing scraper and 2 7/8" workstring.
4. PU and RIH with 7 5/8" treating packer on 2 7/8" workstring. Set packer at 5800'+/- and obtain pump in rate and pressure for squeeze design of Delaware Cherry Canyon perforations at 5824-5866'. TOOH w/ tubing and packer testing for a casing leak in 7 5/8" liner (note previously squeezed Delaware Bell Canyon perforations at 3854-4538' overall). Isolate any leak and obtain pump in rate and pressure for squeeze design.
5. RIH with 7 5/8" cement retainer or packer on 2 7/8" WS for cement squeeze of 7 5/8" liner.
6. Perform cement squeeze(s) based on the results of Step #4.
7. TOOH w/ 2 7/8" WS. Wait on cement. RIH w/ 6 1/2" bit & six 4 3/4" DC's on 2 7/8" WS. RU reverse unit and power swivel. Drill out cement and clean out well to 5980'+/-. Test casing and CIBP to 500 psig for 30 minutes. Isolate any leak and resqueeze if necessary. Drill out cement and CIBP at 6015'+/-. RIH to 7800'+/-. Circulate well clean. POOH w/ 2 7/8" WS, DC's, and bit.
8. MIRU wireline company. RU 5,000 psig lubricator. RIH with 7 5/8" CIBP on wireline. Set CIBP at 7800'+/-. Dump bail 20'+/- cement on top of plug to bring TOC to 7780'. RD lubricator. RDMO wireline company. WOC.
9. PU and TIH with 7 5/8" treating packer on 2 7/8" WS. Set packer at 7650'+/-. Test CIBP to 6000 psig and casing to 500 psig. Haul in 7400'+/- of 3 1/2", 9.3#, EUE, N-80 workstring.
10. Spot 500 gallons of 10% acetic acid at 7400'+/-. TOOH with 2 7/8" WS and 7 5/8" packer.
11. MIRU wireline. Pressure test 5,000 psig lubricator to 3,500 psig (1,000 psig above 2,500 psig MPSP). Perforate Delaware Brushy Canyon 7434-7437' w/ 2 SPF (6 holes), 7455-7460', 7480-7485', 7505-7510', 7522-7527', 7619-7623' and 7633-7636' with 1 SPF (27 holes), top to bottom, 33 holes total, 60 degree phasing, using 3 3/8" HSD perforating gun with standard ConocoPhillips 22.7 gram charges as per Schlumberger Borehole Compensated Sonic Log / Gamma Ray dated 5/4/74 (log section attached). RD lubricator. RDMO wireline company. Verify all shots fired. Report "stabilized" shut in pressure after perforating to completion engineer and record in WellView.
12. Set three 500 bbl clean, lined frac tanks and fill with 2% KCl. Add biocide to the first load of each tank. Design volume is 1169 bbls total. At 20,000 gallons of useable fluid per tank, that equates to 2.45 tanks with 256 bbls excess.
13. Swap out 2 7/8" WS with 3 1/2" WS. PU 3 1/2" WS. TIH with 7 5/8" treating packer on 3 1/2" WS. Test tubing to 8000 psig while GIH. Set packer at 7400'+/-.

14. MIRU pumping services and flowback equipment. Test surface lines to 8000 psig and monitor for 5 min. Make sure pressure on surface lines does not decrease more than 300 psi over the 5 min period. Pressure annulus to 500 psig and monitor pressure.
15. Acidize Delaware Brushy Canyon perforations 7434-37', 7455-60', 7480-85', 7505-10', 7522-27', 7619-23' and 7633-36' with 1050 gallons 15% NEFE HCl using 50 Bio-balls (1.3 s.g., 7/8" diameter) evenly spaced (2 balls/bbl) with maximum pressure of 4000 psig. Initiate break down at 3-5 bpm. After break occurs, increase rate to 12 bpm. Flush to bottom perf with 10# slick water. As pressure increases, drop rate accordingly. Once max P or ball out seen, shut down. Perform three, 3 second surges and allow balls to fall/dissolve for 30 min.
16. Pump 80 bbls 10# slick water pre-pad at 30 bpm. In the remaining 40 bbls of prepad, perform step down test. Step down 4 times, with 4th step being shutdown. Allow pressure to stabilize before each step. Shut down for 15 min.
17. Fracture treat Delaware Brushy Canyon perforations 7434-37', 7455-60', 7480-85', 7505-10', 7522-27', 7619-23' and 7633-36' with 22,000 gal YF 125ST and 18,000 gal YF 120ST carrying 123,623 lbs of 16/30 mesh Super LC sand. Estimated treating pressure is 2500 psig on the pad. Set treating line pop off at 8000 psig. Set pump trips at 7500 psig. Treat at 35 BPM and with a maximum pressure of 8000 psig down 3 1/2" WS as follows:
 - a. Pump 12,000 gallons of YF 125ST Pad.
 - b. Pump 4,000 gallons of YF 125ST with 2 ppg 16/30 Super LC (7,324 lbs).
 - c. Pump 6,000 gallons of YF 125ST with 4 ppg 16/30 Super LC (20,262 lbs).
 - d. Pump 8,000 gallons of YF 120ST with 6 ppg 16/30 Super LC (37,597 lbs).
 - e. Pump 10,000 gallons of YF 120ST with 8 ppg 16/30 Super LC (58,440 lbs).
 - f. Flush w/ 35 barrels of 10# slick water.
 - g. Record ISIP and 5 min shut in pressures.
18. RDMO pumping services and flowback equipment. RU swab equipment and swab test. RD swab equipment.
19. Unseat packer. TOO H and LD 3 1/2" workstring and 7 5/8" packer. Haul in 1800'+/- of 2 7/8", 6.5#, J-55 production tubing.
20. CO sand to 7780'+/-.
21. TIH with 2 7/8", 6.5#, J-55 production tubing.
22. RU pump truck to kill well. ND BOP and NU WH. RIH with pump and rods. Space and hang well on. Load tubing and check pump action.
23. RDMO well service rig and return well to production. Report results on morning report.