

OCD-ARTESIA

Form 3160-5
(April 2004)
 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

JAN 29 2008

 FORM APPROVED
 OM B No. 1004-0137
 Expires March 31, 2007

OCD-ART

 15. Lease/Serial No
 NM 70335

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.

6 If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

 1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

 8 Well Name and No
 Livingston Ridge Federal #9

 2 Name of Operator
 ConocoPhillips Company ATTN: Celeste Dale

 9 API Well No
 30-015-21050

 3a Address
 3303 N. A Street, Bldg. 6 #247, Midland TX 79705-5406

 3b. Phone No (include area code)
 432-688-6884

 10 Field and Pool, or Exploratory Area
 Cabin Lake (Delaware)

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

990' FSL & 1,980' FWL, Unit Letter N, Section 1, T-22-S, R-30-E

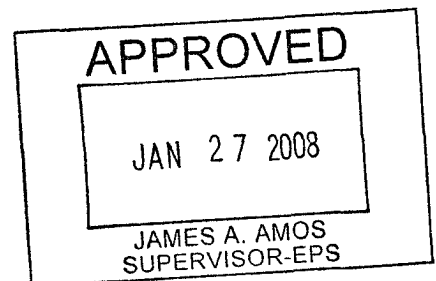
 11 County or Parish, State
 Eddy, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleat horizontally, give subsurface locations and 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 recompleat 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.)

See attached current & proposed plugged wellbore diagrams and proposed plugging procedure.

 Accepted for record
 NMOCD

 SEE ATTACHED FOR
 CONDITIONS OF APPROVAL

 14 I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)

James F. Newman, P.E.

Title Engineer, Triple N Services, Inc.

Signature

Date 12/31/2007

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 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

(Instructions on page 2)

CURRENT WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date December 10, 2007

RKB @ 3357'
DF @ 3355'
GL @ 3337'

Subarea Hobbs
Lease & Well No. Livingston Ridge No. 9
Legal Description : 990' FSL & 1980' FWL, Sec 1, T-22-S, R-30-E
County Eddy State New Mexico
Field Cabin Lake (Delaware)
Date Spudded : 12/20/73 Rig Released 6/30/74
API Number 30-015-21050
Status

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
12-1/4" Hole	6/19/74	Perforate 13,893-13,905						
	13893-13905	6/23/74 MS Acid	2,500					
	6/27/74	Set E-Z Drill BP @ 13,802', pmp plug 13,790-13,802 & 13777-13790'						
	6/30/74	Perf 13,660-13,670; 4 jspf						
	7/11/74	Kuykendall press bomb left in hole @ 13,726-13,736						
	9/17/77	Set BP @ 13,510'; cap w/20' cmt						
	9/18/77	Perforate 12,357-12,360 w/4 shots						
	9/21/77	Perforate 12,360-12,370 w/11 shots						
	12357-12370	9/22/77 15% NE HCl	3,000		3700	1800	4 0	
	7/78	Plug and abandon						
	11/26/91	DO cmt plugs w/6-1/2" bit to 10,619'						
	12/7/91	DO w/4-5/8" bit to 12,447'						
	12/12/91	Perf 12,357-12,370 w/2 jspf, 26 holes						
	12357-12370	12/13/91 20% NEFE HCl	4,000		2000			
	12/20/91	Gelled 20% NEFE	10,000		5540	3700	7 9	
	10/7/92	Set 5-1/2" CIBP @ 12,300' w/5 sx; TOC @ 12,253'						
	10/9/92	Spot 50 sx H cmt plug 10,300-9998', tagged						
	10/10/92	Set CIBP @ 5000' w/8 sx cmt; TOC @ 4964'						
	10/12/92	Perf 3854-4538 (select fire)						
	3854-4538	10/14/92 20% NEFE HCl	1,500		1600	800	5 0	
	2/26/93	DO CIBP @ 5002'; DO to 6200'						
	2/27/96	Set CIBP @ 6015' w/8 sx						
		Perf 5824-5866, 22 shots						
	5824-5866	3/3/93 7-1/2" NEFE HCl	2,000	35 BS	1800	600		
	5824-5866	3/8/93 Linear Gel	33,000	24,250	4200	1117	22.4	
	12/18/93	Set CIBP @ 4650'; sqz 3854-4538 w/200 sx						
	12/31/93	DO cmt to 4600', tag CIBP @ 4650', mill out, CO to 6015'						
	3/23/05	Set Retainer @ 5770', Sqz 350 sx C Neat 5824-5866'						
	3/29/05	DO cmt & CIBP @ 6020' & CO to 7845'						
	4/7/05	Set 7-5/8" CIBP @ 7,800' w/20' cmt; TOC @ 7,780'						
	4/8/05	Perforate 7434-7623 (select fire)						
	7434-7623	4/12/05 15% HCl	1,905					
		YF125ST & YF120ST	28,597	78,799	8033	5915	34 5	
	7434-7623	9/19/05 15% NEFE HCl	3,000					
	6/13/07	Set 7-5/8" CIBP @ 7,380'						

17-1/2" Hole
13-3/8" 48# H-40 ST&C @ 475'
Cmt'd w/400 sx Class C, circ 55 sx
Top of Salt @ ~550'

12-1/4" Hole

Base of Salt @ ~3,600'
Top of 7-5/8" Liner @ 3,663' (see detail)

10-3/4" 51# P-110 ST&C @ 3748'
Cmt'd w/1700 sx cmt, circ 300 sx

3854-3920 3936-4024 4318-4354 &
4364-4440 4456-4538 - all sqz'd w/200 sx

Bell Canyon
5824-5866 - Sqz'd w/ 350 sx (3/05)

CICR @ 7,380' (set 06/13/07)
Delaware Brushy Canyon
7434-7437 7455-7460 7480-7485
7505-7510 7522-7527 7619-7623
7633-7636

5-1/2" CIBP @ 7,800'; TOC @ 7,780' (set 04/07/05)

9-1/2" Hole

Top of 5-1/2" Tapered Liner @ 10,170' (see detail)
7-5/8" Liner @ 10,350', cmt'd w/ 1,450 sx TOC 3,663'

Cement Plug 9998'-10,300' (10/92), 50 sx H cmt, tagged

CIBP @ 12,300'; TOC @ 12,253' (10/92)
Strawn
12,357-12,360 12,360-12,370

4-1/2" BP @ 13,150'; TOC @ 13,490'
Morrow
13,543'-13,556' 13,360-13,370'

EZ Drill BP @ 13,802'; TOC @ 13,777'
Morrow
13,893' - 13,905'
6-1/2" Hole
Tapered Liner 10,170' - 13,950'

Tapered Liner detail
5-1/2" 17# (10,070-11,041'), 20# X-Line (11,041-12,454')
4-1/2" 13.5# FJ Hydril (12,454-13,950')
Cmt'd w/500 sx, circ (TOC 10,170')

Accepted for record
NMOCD

Formation Tops:

Third Bone Springs Sd	10,400'
Wolfcamp	10,812'
Strawn	12,356'
Atoka	12,566'
Morrow Lime	13,236'
Morrow Sand Zone	13,435'
4th Sand Zone	13,794'

7-5/8" Liner detail
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)

M Navarrette
12/31/2007

PROPOSED PLUGGED WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date: December 31, 2007

RKB @ 3357'
DF @ 3355'
GL @ 3337'

Subarea: Hobbs
Lease & Well No.: Livingston Ridge No. 9
Legal Description: 990' FSL & 1980' FWL, Sec 1, T-22-S, R-30-E
County: Eddy State: New Mexico
Field: Cabin Lake (Delaware)
Date Spudded: 12/20/73 Rig Released: 6/30/74
API Number: 30-015-21050
Status: PROPOSED PLUGGED

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	Max ISIP	Max Rate	Max Down
12-1/4" Hole	6/19/74	Perforate 13,893-13,905						
	6/23/74	MS Acid	2,500					
	6/27/74	Set E-Z Drill BP @ 13,802'; pmp plug 13,790-13,802 & 13777-13790'						
	6/30/74	Perf 13,660-13,670; 4 jsp						
	7/11/74	Kuykendall press bomb left in hole @ 13,726-13,736						
	9/17/77	Set BP @ 13,510'; cap w/20' cmt						
	9/18/77	Perforate 12,357-12,360 w/4 shots						
	9/21/77	Perforate 12,360-12,370 w/11 shots						
	9/22/77	15% NE HCl	3,000		3700	1800	4 0	
	7/78	Plug and abandon						
	11/26/91	DO cmt plugs w/6-1/2" bit to 10,619'						
	12/7/91	DO w/4-5/8" bit to 12,447'						
	12/12/91	Perf 12,357-12,370 w/2 jsp, 26 holes						
	12/13/91	20% NEFE HCl	4,000		2000			
	12/20/91	Gelled 20% NEFE	10,000		5540	3700	7 9	
	10/7/92	Set 5-1/2" CIBP @ 12,300' w/5 sx; TOC @ 12,253'						
	10/9/92	Spot 50 sx H cmt plug 10,300-9998', tagged						
	10/10/92	Set CIBP @ 5000' w/8 sx cmt; TOC @ 4964'						
	10/12/92	Perf 3854-4538 (select fire)						
	10/14/92	20% NEFE HCl	1,500		1600	800	5 0	
	2/26/93	DO CIBP @ 5002'; DO to 6200'						
	2/27/96	Set CIBP @ 6015' w/8 sx						
		Perf 5824-5866, 22 shots						
	3/3/93	7-1/2" NEFE HCl	2,000	35 BS	1800	600		
	3/8/93	Linear Gel	33,000	24,250	4200	1117	22 4	
	12/18/93	Set CIBP @ 4650'; sqz 3854-4538 w/200 sx						
	12/31/93	DO cmt to 4600'; tag CIBP @ 4650'; mill out, CO to 6015'						
	3/23/05	Set Retainer @ 5770'; Sqz 350 sx C Neat 5824-5866'						
	3/29/05	DO cmt & CIBP @ 6020' & CO to 7845'						
	4/7/05	Set 7-5/8" CIBP @ 7,800' w/20' cmt; TOC @ 7,780'						
	4/8/05	Perforate 7434-7623 (select fire)						
	4/12/05	15% HCl	1,905					
		YF125ST & YF120ST	28,597	78,799	8033	5915	34 5	
	9/19/05	15% NEFE HCl	3,000					
	6/13/07	Set 7-5/8" CIBP @ 7,380'						

9-1/2" Hole

Top of 5-1/2" Tapered Liner @ 10,170' (see detail)
7-5/8" Liner @ 10,350'; cmt'd w/ 1,450 sx TOC 3,663'

Cement Plug 9998'-10,300' (10/92), 50 sx H cmt, tagged

CIBP @ 12,300'; TOC @ 12,253' (10/92)

Strawn

12,357-12,360 12,360-12,370

4-1/2" BP @ 13,150'; TOC @ 13,490'

Morrow

13,543'-13,556' 13,360-13,370'

EZ Drill BP @ 13,802'; TOC @ 13,777'

Morrow

13,893' - 13,905'

6-1/2" Hole

Tapered Liner 10,170' - 13,950'

Tapered Liner detail

5-1/2" 17# (10,070-11,041'), 20# X-Line (11,041-12,454')

4-1/2" 13.5# FJ Hydri (12,454-13,950')

Cmt'd w/500 sx, circ (TOC 10,170')

7-5/8" Liner detail

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)

PROPOSED PLUGS

- 1) Circulate mud, 25 sx C cmt 7,380 - 7,252'
- 2) 25 sx C cmt 5,800 - 5,672'
- 3) 75 sx C cmt 3,798 - 3,563' WOC & TAG
- 4) 45 sx C cmt 525 - 425' WOC & TAG
- 5) 25 sx C cmt 50' to surface, circulate cmt

Capacities

10-3/4" 51# csg.	1 890 ft/ft3	0 5291 ft3/ft
	10 61 ft/bbl	0 0942 bbl/ft
7-5/8" 29.70# csg.	3.879 ft/ft3	0.2577 ft3/ft
	21.78 ft/bbl	0 0459 bbl/ft

Formation Tops:

Third Bone Springs Sd	10,400'
Wolfcamp	10,812'
Strawn	12,356'
Atoka	12,566'

ConocoPhillips Company

Livingston Ridge Federal #9

API #30-015-21050

Cabin Lake (Delaware) Field

Eddy County, New Mexico

Proposed Plugging Procedure

See attached current & proposed plugged wellbore diagrams for wellbore configuration

13³/₈" 48# H-40 surface casing set @ 475', cmt'd w/ 400 sx, circulated 55 sx

10³/₄" 51# P-110 intermediate casing set @ 3,748', cmt'd w/ 1,700 sx, circulated 300 sx

7⁵/₈" liner 3,663 – 10,350' cmt'd w/ 1,450', cmt'd to 3,663' w/ 1,450 sx

ESTIMATED SALT DEPTHS: Top @ 550'; Base @ 3,600'

- TA'd (06/14/07) w/ 7⁵/₈" CICR (no cement) @ 7,380', no tubulars in wellbore
- Verify anchors tested within last two years
- Notify NMOCD & BLM 48 hrs prior to move in, and 4 hrs prior to plugs
- Hold daily tailgate safety meetings w/ crews
- Contact NM Digtess (1-800-321-2537, Account # 6778) minimum 48 hrs prior to move-in

1. Set steel pit and flow down well as needed. Deliver 7,500' 2³/₈" J-55 workstring.
2. MIRU plugging equipment. ND wellhead and NU 6" 5,000# hydraulic BOP.
3. RIH w/ workstring, tag CICR @ 7,380'. Displace hole w/ 300 bbls plugging mud (hole volume 516 bbls) and pump 25 sx C cmt balanced plug on CICR 7,380 – 7,252' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 128' in 7⁵/₈" 29.7# casing), displacing w/ mud.
Delaware plug
4. PUH w/ workstring to 5,800'. Displace hole w/ 80 bbls plugging mud and pump 25 sx C cmt 5,800 – 5,672' balanced plug (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 128' in 7⁵/₈" 29.7# casing) displacing w/ mud. **Bell Canyon Plug**
5. PUH w/ workstring to 3,798'. Displace hole w/ 80 bbls plugging mud and pump 75 sx C cmt w/ 2% CaCl₂ 3,798 – 3,542' balanced plug (1.32 ft³/sk yield, 99.0 ft³ slurry volume, calculated fill 256' in 7⁵/₈" x 10³/₄" casing) displacing w/ mud. PUH w/ tubing and WOC/tag this plug no deeper than 3,563'. **casing shoe & base of salt plug**
6. PUH w/ workstring to 525'. Load hole w/ plugging mud and pump 45 sx C cmt w/ 2% CaCl₂ balanced plug 525 – 413' (1.32 ft³/sk yield, 59.4 ft³ slurry volume, calculated fill 112' in 10³/₄" 51# casing). POOH w/ tubing and WOC/tag this plug no deeper than 425'. **top of salt & surface casing shoe plug**
7. PUH w/ workstring to 50'. Circulate 25 sx C cmt 50' to surface (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 62' in 10³/₄" 51# casing). **surface plug**
8. POOH w/ tubing, wash out tubing & BOP. RDMO location.
9. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

Accepted for record
NMOCD

ConocoPhillips Company
NMNM70335; Livingston Ridge Federal #9
990' FSL & 1980' FWL
Section 1, T. 22 S., R. 30 E.
Eddy County, New Mexico

RE: Plugging and Abandonment, Conditions of Approval

Step 4, Minimum plug size is 100 feet, plus 10% per 1,000 feet. Plug to be set at 5,800 feet would need a minimum of 158 feet of cement 5,800' – 5,642') or a minimum of 30 sx.

Step 5, Minimum plug size to extend 50' below the 10 3/4" casing shoe set at 3,748' (3,798') and 50' into the base of salt at 3,600' (3,550'). Set a balanced plug from 3,798' – 3,550'. WOC and tag this plug no deeper than 3,550'. 75 sx cement would still be a minimum.

Step 6, Minimum plug size to extend 50' into the top of salt at 550' (600') and 50' into the 13 3/8" casing set at 475' (425'). Set a balanced plug from 600' – 425'. WOC and tag this plug no deeper than 425'. Need to increase cement from 45 sx to 75 sx minimum.

If you have any questions, please contact Jim Amos at 505-234-5909.

J. Amos, 1/27/08

**Accepted for record
NMOCD**