

OCD-ARTESIA

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31 2007

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

2. Name of Operator **ConocoPhillips Company** ATTN: Celeste Dale

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

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

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

Unit Letter P, 660' FSL & 660' FEL, Section 1, T-22-S, R-36-E

5. Lease Serial No

NM 6265865 3-13-08 dm

6. If Indian, Allottee or Tribe Name

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

0300626650

8. Well Name and No

Lockhart B-1 #6

9. API Well No

30-025-08722

10. Field and Pool, or Exploratory Area

Eumont Yates 7 Rvrs Queen

11. County or Parish, State

Lea, New Mexico

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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 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 proposed plugging procedure, current & proposed plugged wellbore diagrams.

RECEIVED

APR 15 2008

HOBBS OCD

**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

03/10/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

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.

Title

Office

APPROVED

Date

APR 11 2008

**JAMES A. AMOS
SUPERVISOR-EPS**

Title 18 USC Section 1001 and Title 43 USC 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)

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

Date Jan 11, 2008

RKB @ 3482'
DF @ 3481'
GL @ 3471'

Subarea Hobbs West
Lease & Well No Lockhart B-1 No 6
Legal Description 660' FSL & 660' FEL, Sec 1, T-22-S, R-36-E
County Lea State New Mexico
Field Eumont Yates 7 Rvrs Queen (Pro Gas)
Date Spudded 1/15/44 Rig Released
API Number 30-025-08722
Status

Stimulation History

Interval	Date	Type	Gals	Lbs. Sand	Max Press	Max ISIP	Max Rate	Max Down
	3/3/44	Plug back from 3757' to 3655' with 30 sacks cement						
		Perforate 2910' to 3610' with 125 shots						
3670-3757	2/26/44	20% Acid	2,000		1450			
3675-3757	2/27/44	20% Acid	4,000		1200			
	11/18/70	Squeeze perforations 3550-3640' with 50 sx cmt						
3390-3535	11/29/70	15% LSTNE	1,500		1000	200		
3480-3535	3/10/94	7-1/2% HCl					Vac	
3390-3535	3/8/94	CO2 Foam Frac	58,000	188,850		1200		
	7/3/97	Squeeze casing leak @ 1190'						
	10/7/05	Set RBP @ 2860'						
	10/12/05	casing leak detected between 1306' and 1432', RIH w/ tbg, laid dn 21 jts, RIH w/ rods & K-bars						

11" Hole

Top of Salt @

9-5/8" 32.3# H-40 @ 1106'

Cmt'd w/425 sx

TOC @ Surface

Casing Leak @ 1190' Squeezed

Casng Leak 1306'-1432'

TOC 7" Csg @ 1541' (Calc)

Base of Salt @

3/4" sucker rods @ 2,831'

2-3/8" tubing @ 2,847'

RBP @ 2860'

2910 - 2920

3260 - 3270

3390 - 3420

3430 - 3440 3480 - 3493

3500 - 3535

Cement Retainer @ 3550'

3600-3610 3630-3640 -- Sqz'd w/50 sx

8-3/4" Hole

7" 20# J-55 @ 3666'

Cmt'd w/ 425 sx

TOC @ 1541' (Calc)

Plugback 3757-3655 w/30 sx

6-1/4" Hole

Openhole 3666' - 3757'

PBTD 2880'
TD 3757'

Formation Tops:

Yates	2670'
Queen	3390'
Penrose	3500'
Grayburg	3680'

ConocoPhillips Company

Proposed Plugging Procedure

Lockhart B-1 #6
API #30-025-08722
Eumont Yates, 7 Rivers, Queen
Lea County, New Mexico

See attached wellbore diagrams for wellbore configuration

Casings 9 $\frac{5}{8}$ " 32.3# casing @ 1,106' cmt'd w/ 425 sx. TOC @ surface.
7" 20# casing @ 3,666' cmt'd W/ 425 sx. TOC @ 1,541' (Calc.)
Perforations 2,910 – 2,920', 3,260 – 3,270', 3,390 – 3,420', 3,430 – 3,440', 3,480 – 3,493',
3,500 – 3,535'
Tubulars 2,847' of 2 $\frac{3}{8}$ " production tubing and 2,831' of $\frac{3}{4}$ " sucker rods

- 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 3,000' of 2 $\frac{3}{8}$ " workstring.
2. MIRU plugging equipment. RU rod stripper and POOH w/ 2,831' of $\frac{3}{4}$ " sucker rods.
3. ND wellhead and NU 6" 3,000# manual BOP. POOH w/ 2,847' of 2 $\frac{3}{8}$ " production tubing.
4. RIH w/ 2,860' of 2 $\frac{3}{8}$ " workstring tubing and latch on to RBP. POOH w/ RBP.
5. RIH w/ HM tubing set CIBP to 2,860'. RU cementer and set CIBP @ 2,860'. Displace hole w/ 115 bbls plugging mud, and pump 45 sx C cmt (1.32 ft³/sk yield, 59.4 ft³ slurry volume, calculated fill 261' in 7" 20# casing) balanced plug 2,860 – 2,599'. POOH w/ workstring.

Base of Salt Plug

6. RU & test lubricator. RIH w/ wireline & perforate 7" casing @ 1,300'. POOH w/ wireline.
7. RIH w/ 7" AD-1 packer on workstring to ~850'. Load hole w/ plugging mud, set packer, and establish rate. Squeeze 85 sx C cmt (1.32 ft³/sk yield, 112.2 ft³ slurry volume, calculated fill 254' in 9 $\frac{5}{8}$ " 32.3# casing). WOC & tag this plug no lower than 1.056'. POOH w/ packer

Top of Salt & Casing Shoe Plug

8. SI BOP and pressure test 7" casing to 1,000 psi. Release pressure.
9. RU & test lubricator. RIH w/ wireline and perforate 7" casing @ 400'. POOH w/ wireline.
10. If casing tested in #6, ND BOP & NU wellhead. Establish rate through both casings and circulate 135 sx C cmt (1.32 ft³/sk yield, 178.2 ft³ slurry volume, calculated fill 403' in 9 $\frac{5}{8}$ " 32.3# casing). If casing did not test in #6, RIH w/ packer and squeeze this plug under packer. **Fresh Water and Surface Plug**

11. RDMO location.

12. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

PROPOSED PLUGGED WELLBORE SKETCH
ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date February 1, 2008

RKB @ 3482'
 DF @ 3481'
 GL @ 3471'

Subarea Hobbs West
 Lease & Well No Lockhart B-1 No 6
 Legal Description 660' FSL & 660' FEL, Sec 1, T-22-S, R-36-E
 County Lea State New Mexico
 Field Eumont Yates 7 Rvs Queen (Pro Gas)
 Date Spudded 1/15/44 Rig Released
 API Number 30-025-08722
 Status Proposed Plugged

11" Hole

Perf/sqz 135 sx C cmt 400 - surface

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	3/3/44	Plug back from 3757' to 3655' with 30 sacks cement						
		Perforate 2910' to 3610' with 125 shots						
3670-3757	2/26/44	20% Acid	2,000		1450			
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	7/3/97	Squeeze casing leak @ 1190'						
	10/7/05	Set RBP @ 2860'						
	10/12/05	casing leak detected between 1306 and 1432', RIH w/ tbg, laid dn 21 jts, RIH w/ rods & K-bars						

9-5/8" 32.3# H-40 @ 1106'
 Cmt'd w/425 sx
 TOC @ Surface

Casing Leak @ 1190' Squeezed

Perf/sqz 85 sx C cmt 1,300 - 1,056' WOC & TAG
 Casing Leak 1306'-1432'
 Top of Salt @ 1,300 Est.

PROPOSED PLUGS

- 1) Pull RBP set CIBP @ 2,860', circulate plugging mud
- 2) 45 sx C cmt 2,860 - 2,599
- 3) Perf/sqz 85 sx C cmt 1,300 - 1,056 WOC & TAG
- 4) Perf/sqz 135 sx C cmt 400 - surface

TOC 7" Csg @ 1541' (Calc.)

Capacities

7" 20# csg	4 399 ft/ft3	0 2273 ft3/ft
	24 700 ft/bbl	0 0404 bbl/ft
9-5/8" 32 3# csg	2 263 ft/ft3	0 4418 ft3/ft
	12 710 ft/bbl	0 0787 bbl/ft
8-3/4" openhole	2 395 ft/ft3	0 4176 ft3/ft
	13 445 ft/bbl	0 0744 bbl/ft

Base of Salt @ 2,670 Est.

45 sx C cmt 2,860 - 2,599'

Pull RBP, set CIBP @ 2,860, circulate plugging mud
 2910 - 2920

3260 - 3270

3390 - 3420

3430 - 3440 3480 - 3493

3500 - 3535

Cement Retainer @ 3550'

3600-3610 3630-3640 -- Sqz'd w/50 sx

8-3/4" Hole

7" 20# J-55 @ 3666'

Cmt'd w/ 425 sx

TOC @ 1541' (Calc.)

Plugback 3757-3655 w/30 sx

6-1/4" Hole

Openhole 3666' - 3757'

PBTD 2880'
 TD 3757'

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4-feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.