

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.5. Lease Serial No.
NMSF077106

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 ☐ Other8. Well Name and No.
LACKEY B LS 172. Name of Operator
CONOCO INCContact: DEBORAH MARBERRY
E-Mail: deborah.a.marberry@conoco.com9. API Well No.
30-045-07316-00-S13a. Address
PO BOX 2197, DU 3084
HOUSTON, TX 77252-21973b. Phone No. (include area code)
Ph: 281.293.1005
Fx: 281.293.509010. Field and Pool, or Exploratory
UNNAMED

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

Sec 21 T28N R9W SWNE Tract A GONZALES 2310FNL 1550FEL
36.64838 N Lat, 107.78970 W Lon11. County or Parish, and State
SAN JUAN COUNTY, 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 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.)

Conoco proposes to plug and abandon this well as per the attached procedure. Also attached are the current and proposed wellbore schematic.

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

Electronic Submission #13442 verified by the BLM Well Information System**For CONOCO INC, sent to the Farmington****Committed to AFMSS for processing by Steve Mason on 08/08/2002 (02SXM0459SE)**

Name (Printed/Typed) DEBORAH MARBERRY

Title SPECIALIST

Signature (Electronic Submission)

Date 08/07/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 08/22/2002

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 Farmington

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ******NMOCD**

PLUG & ABANDONMENT PROCEDURE

10/11/01

Lackey B #17

Basin Dakota

Page 1 of 2

2310' FNL & 1550' FEL, (G) Section 21, T-28-N, R-9-W

San Juan Co., New Mexico

Lat: N 36° 58.9590' / Long: E 107° 30.813'

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement is ASTM Type II, (15.6ppg, 1.18 cf/sx).

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOC, BLM, and Conoco safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 247 joints 2-3/8" tubing, 7663', visually inspect. If necessary LD tubing and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 7570'.
3. **Plug #1 (Dakota Perforations and top, 7570' – 7470')**: Set 4-1/2" CIBP or cement retainer at 7570'. TIH with open-ended tubing and tag. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 12 sxs cement and spot a balanced plug inside casing above the CIBP to cover Dakota perforations. PUH to 6735'.
4. **Plug #2 (Gallup top, 6735' – 6635')**: Mix 12 sxs cement and spot balanced plug inside casing to cover Gallup top. PUH to 5444'.
5. **Plug #3 (7-5/8" casing shoe, 5444' – 5344')**: Mix 12 sxs cement and spot balanced plug inside casing to cover casing shoe top. PUH to 4850'.
6. **Plug #4 (Mesaverde top, 4850' – 4750')**: Mix 12 sxs cement and spot balanced plug inside casing to cover Mesaverde top. POH.
4893' 4793'
7. Perforate 3 HSC squeeze holes at 4300' and establish circulation with water to surface. ND BOP and tubing head. Weld slip on collar on 4-1/2" casing. RU casing handling tools. Pick up on 4-1/2" casing and determine free point by stretch. Cut 4-1/2" casing at approximately 4280' (use a jet cutter or a collar splitter or a rolled shot). NU BOP with 4-1/2" rams. POH and LD 4-1/2" casing. RD casing tools. Install 2-3/8" rams in BOP. TIH with open-ended tubing to 4300'. Round-trip 7-5/8" gauge ring or casing scraper to 2320' when rig time available.
8. **Plug #5 (4-1/2" casing stub, 4300' – 4200')**: Establish circulation to surface. Pressure test 7-5/8" casing to 500#. Mix 33 sxs cement and spot plug to cover 4-1/2" casing stub. PUH to 3280'.
→ *Chcra plug 4231 - 4131 inside outside 4 1/2" 7 5/8" casing*
9. **Plug #6 (Pictured Cliffs and Fruitland tops, 3280' – 2955')**: Mix 34 sxs cement and spot a balanced plug to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.

PLUG & ABANDONMENT PROCEDURE

10/11/01

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Continued:

10. **Plug #7 (Kirtland and Ojo Alamo tops, 2370' – 2070')**: Perforate the 7-5/8" casing at 2370'. If 7-5/8" casing tested before perforating, then establish a rate into the squeeze holes. Mix 188 sxs cement and spot in the 7-5/8" casing, PUH out of cement and squeeze 109 sxs outside 7-5/8" casing thus leaving 79 sxs inside to cover Kirtland and Ojo Alamo tops. (If pumping this plug before noon, then add 2% CaCl₂ to the last 100 sxs of slurry.) WOC and then TIH and tag cement. If casing leaks before perforating, then set a 7-5/8" a wireline or tubing set cement retainer at 2320'. TIH and sting into retainer and establish rate into squeeze holes. Cement as above (two stages, first above the CR then below) without the WOC and tag.
11. **Plug #8 (Nacimiento top, ⁸⁸⁰1055' – ⁷⁸⁰965')**: Perforate the 7-5/8" casing at ⁸⁸⁰1055'. If 7-5/8" casing tested before perforating, then establish a rate into the squeeze holes. Mix 71 sxs cement and spot inside 7-5/8" casing, TOH and LD tubing, then squeeze 37 sxs outside 7-5/8" casing to leave 34 sxs inside then casing to cover the Nacimiento top. (If pumping this plug before noon, then add 2% CaCl₂) Shut in well and WOC. RIH and tag cement with wireline. If the casing leaks before perforating, then set a 7-5/8" cement retainer at ⁸⁸⁰1005'. Sting into retainer and establish rate into squeeze holes. Cement as above without the WOC and tag.
12. **Plug #9 (10-3/4" casing shoe, 345' - Surface)**: Perforate 3 HSC squeeze holes at 345'. Establish circulation out bradenehad valve. Mix and pump approximately 160 sxs cement down the 7-5/8" casing from 345' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.
13. ND BOP and cut off wellhead below surface casing (unless the casing head is more than 4' below ground level, then cut the wellhead bolts at the appropriate flange to remove the wellhead above the casing flange). Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Lackey B #17

Current

Basin Dakota

NE (G), Section 21, T-28-N, R-9-W, San Juan County, NM

Lat: N 36° 38.54'168" / Long: W 107° 47'22.92"

Today's Date: 10/10/011
Spud: 08/29/61
Comp: 11/01/61
Elevation: 6989' GL
6999' KB

14-3/4" Hole

10-3/4" 32.75# H-40 Csg @ 295'
220 sxs cement (Circ.to Surf.)

WELL HISTORY

Mar '98: MO,RU; attempt to RIH found piston catcher stuck in catch mode; RD FB equipment, Tag SN at 7615', RIH w/Tel and tag at 7663', RIH with impression block and tag at 7663', found orange peel, RIH with 2" CW Plug and set at 7600', Blow tubing to 0#; no leaks. Pull CW plug, RIH with set cup type bumperspring at 7615'. Did not put FB equipment back on.

NOTE: FORMER PISTON OPERATION

Nacimiento @ 1005'

Ojo Alamo @ 2120'

Kirtland @ 2320'

Fruitland @ 3005'

Pictured Cliffs @ 3230'

Mesaverde @ 4800'

9-7/8" Hole to 5394'

Gallup @ 6685'

Dakota @ 7660'

2-3/8" 4.7# tubing at 7663'
SN & bumper-spring @ 7615',
Orange Peeled on bottom

TOC (7-5/8") @ 3010' (T.S.)

DV Tool @ 3411'
Cmt with 175 sxs (380 cf)

TOC (4-1/2") @ 4380' (T.S.)

TOC (7-5/8") @ 4643' (Calc, 75%)

7-5/8" 26.4# Csg @ 5394'
Cemented with 120 sxs (215 cf)

Dakota Perforations:
7620' - 7814'

4-1/2" 10.5# Csg @ 7860'
Cemented with 470 sxs

6-3/4" Hole to TD

TD 7860'

Lackey B #17

Proposed P&A
Basin Dakota

NE, Section 21, T-28-N, R-9-W, San Juan County, NM

Lat: N 36° 38.54'168" / Long: W 107° 47'22.92"

$$\begin{aligned} 345 / 3.775 (1.14) &= 77 \text{ sxs} \\ 50 / 4.6564 (1.14) &= 9 \text{ sxs} \\ 295 / 3.193 (1.14) &= 78 \text{ sxs} \\ \hline &= 164 \text{ sxs} \end{aligned}$$

Today's Date: 10/10/01
Spud: 08/29/61
Comp: 11/01/61
Elevation: 6989' GL
6999' KB

14-3/4" Hole

10-3/4" 32.75# Csg @ 295'
220 sxs cmt (Circ. to Surf.)

Perforate @ 345'

Plug #9 345' - Surface
Cement with 160 sxs

840 780
Plug #8 1055' - 955'
Cement with 71 sxs, 37 sxs
outside and 34 sxs inside

Cement Retainer @ 1005' $34(3.775)(1.14) = 151'$
 $370(4.6564)(1.14) = 203'$

Perforate @ 1055'

Plug #7 2370' - 2070'
Cement with 188 sxs, 109
sxs outside and 79 sxs
inside

Cement Retainer @ 2320' $(2370 - 2070)2/4.6564(1.14) = 109 \text{ sxs}$
 $(2370 - 2070)49/3.775(1.14) = 79 \text{ sxs}$

Perforate @ 2370'

TOC in 7-5/8" annulus
@ 3010' (T.S.)

$$(3271 - 2926) + 50 / 3.775(1.14) = 89 \text{ sxs}$$

71 26
Plug #6 3280' - 2955'
Cement with 84 sxs

DV Tool @ 3411'
Cmt with 175 sxs (380 cf)

Chacra 4231' - 4131'
may combine with plug #5

Plug #5 4300' - 4200'
Cement with 33 sxs, 3 sxs
outside and 30 sxs inside

Perforate @ 4300'

TOC in 4-1/2" annulus
@ 4380' (T.S.)

4893' 4713'
Plug #4 4850' - 4750'
Cement with 12 sxs

TOC in 7-5/8" annulus
@ 4643' (Calc, 75%)

7-5/8" 26.4# Csg @ 5394'
Cmted with 120 sxs
(215 cf)

Plug #3 5444' - 5344'
Cement with 12 sxs

Set 4-1/2" CIBP
@ 7570'

Plug #2 6735' - 6635'
Cement with 12 sxs

Plug #1 7570' - 7470'
Cement with 12 sxs

Dakota Perforations:
7620' - 7814'

$$12(11.167)(1.14) = 158'$$

4-1/2" 10.5# Csg @ 7860'
Cemented with 470 sxs

6-3/4" Hole to TD

TD 7860'

Nacimiento @ 1005'
830'

Ojo Alamo @ 2120'
50'

Kirtland @ 2320'
17'

Fruitland @ 3005'
2976'

Pictured Cliffs @ 3230'
21'

Cut 4-1/2 casing at 4280'

Chacra @ 4181'

Mesaverde @ 4800'
43'

9-7/8" Hole to 5394'

Gallup @ 6685'

Dakota @ 7660'
06'

