

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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 page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF-078194
2. Name of Operator ConocoPhillips Company		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 4289, Farmington, NM 87499		7. If Unit of CA/Agreement, Name and/or No.
3b. Phone No. (include area code) (505) 326-9700		8. Well Name and No. Ludwick LS 19
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit B (NWNE), 890' FNL & 1800' FEL, Sec. 5, T29N, R10W		9. APT Well No. 30-045-08831
		10. Field and Pool or Exploratory Area Basin DK
		11. Country or Parish, State San Juan New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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	

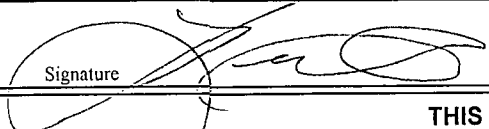
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 must 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 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1/30/14 - Called Steve Mason with the BLM & Brandon Powell w/ NMOC to inform of a plan change. COA's show Fruitland plug from 2085' - 1985'. Estimated TOC is at 1981'. Plan is to combine FC & PC plugs and do inside only plug. Verbal approval received from both agencies.

3/10/14 - Ran CBL, field said due to log, BLM wants to change 2 plugs. Plug 2 (Gallup) 5890' - 5790' was supposed to be 1/2 balance & half Inside/outside. Now it will be a total balance plug. Plug 7 (Kirtland) from 1279-1021. was going to be total I/O plug but will now be a balance plug. Called Brandon Powell w/ OCD and received verbal approval.


The subject well was P&A'd on 3/18/14 per the above notifications & the attached report.

RCVD MAR 31 '14
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Kenny Davis		Title Staff Regulatory Technician
Signature 		Date 3/26/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by	Title	Date
		MAR 28 2014
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 FIELD OFFICE BY: 

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.

NMOC

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 *fax: 505-325-1211

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Ludwick LS #19

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890' FNL and 1800' FEL, Section 5, T-29-N, R-10-W
San Juan County, NM
Lease Number: SF-078194
API #30-045-08831

Plug and Abandonment Report Notified NMOCD and BLM on 3/5/14

Plug and Abandonment Summary:

- Plug #1** with CR at 6647' spot 16 sxs (18.88 cf) Class B cement with 2% CaCl inside casing from 6647' to 6437' to cover the Dakota perfs and Graneros tops. Tag TOC at 6514'.
- Plug #2** with 24 sxs (28.32 cf) Class B cement inside casing from 5894' to 5578' to cover the Gallup top. Tag TOC at 5632'.
- Plug #3** with CR at 5101 spot 72 sxs (84.96 cf) Class B cement inside casing from 5150' to 4896' to cover the Mancos top. Tag TOC at 4881'.
- Plug #4** with CR at 3879' spot 73 sxs (86.14 cf) Class B cement inside casing from 3929' to 3669' with 53 sxs in annulus, 4 sxs below CR and 16 sxs above CR to cover the Mesaverde top. Tag TOC at 3576'.
- Plug #5** with CR at 3319' spot 73 sxs (86.14 cf) Class B cement inside casing from 3369' to 3109' with 53 sxs in annulus, 4 sxs below CR and 16 sxs above CR to cover the Chacra top. Tag TOC at 3135'.
- Plug #6** with 40 sxs (47.2 cf) Class B cement with 2% CaCL from 2373' to 1846' to cover the Pictured Cliffs and Fruitland tops. Tag TOC at 1867'.
- Plug #7** with 31 sxs (36.58 cf) Class B cement from 1279' to 871' to cover the Kirtland and Ojo Alamo tops (change inside/outside plug to inside plug due to CBL approved by B. Powell, NMOCD and D. Porch, BLM). Tag TOC at 985'.
- Plug #8** with CR at 320' spot 36 sxs (42.48 cf) Class B cement inside casing from 353' to surface in annulus to cover the surface and surface casing shoe.
- Plug #8a** with 25 sxs (29.5 cf) Class B cement from 320' to surface in 4.5" casing.
- Plug #9** with 30 sxs Class B cement top off casings and install P&A marker.

Plugging Work Details:

- 3/6/14 Rode rig and equipment to location. Spot in and RU. Check well pressures: tubing 50 PSI, casing 120 PSI and bradenhead 0 PSI. RU relief lines. Attempt to blow down well. Establish circulation. ND wellhead. RU Cameron pressure test. NU BOP. Cameron pressure test blind and pipe rams to 300 PSI and 1300 PSI, OK. Pull tubing hanger and install 2-7/8" stripping rubber. TOH and tally 105 stands, 6 jnts, FN, 1 jnt, NC 2-3/8" tubing EUE (217 jnts total 6834'). SI well. SDFD.
- 3/7/14 Bump test H2S equipment. Check well pressures: no tubing, casing 50 PSI and bradenhead 0 PSI. RIH with 4.5" GR to 6680'. TIH with 4.5" DHS CR and set at 6647'. Pressure test tubing to 1000 PSI, OK. Establish circulation. Attempt to pressure test casing to 800 PSI, OK. Ran CBL from 6647' to surface, calculated TOC at 5700'. Good cement from 2500' to 1200'. SI well. SDFD.
- 3/10/14 Bump test H2S equipment. Open up well; no pressures. TIH to 6647'. Establish circulation. Spot plug #1 with calculated TOC at 6437'. WOC. TIH and tag TOC at 6514'. Establish circulation. Attempt to pressure test casing to 800 PSI, no test, lost 300 PSI in less than a minute. Spot plug #2 with calculated TOC at 5578'. SI well. SDFD.

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Plugging Work Details (continued):

- 3/11/14 Bump test H2S equipment. Open up well; no pressures. TIH and tag TOC at 5632'. Establish circulation. Attempt to pressure test casing to 800 PSI, no test, lost 300 PSI in less than a minute. Perforate 3 HSC squeeze holes at 5150'. TIH with 4.5" DHS CR and set at 5101'. Attempt to pressure test casing to 800 PSI, no test lost 300 PSI in less than a minute. Establish rate of 2.5 bpm at 550 PSI. Spot plug #3 with calculated TOC at 4896'. SI well. SDFD.
- 3/12/14 Bump test H2S equipment. Open up well; no pressures. TIH and tag TOC at 4881'. Perforate 3 HSC squeeze holes at 3929'. TIH with 4.5" DHS CR and set at 3879'. Establish circulation. Attempt to pressure test casing to 800 PSI, bled down to 500 PSI in less than a minute, no test. Establish rate of 1 bpm at 800 PSI. Spot plug #4 with calculated TOC at 3669'. PU 4' plugging sub and TIH to 3024'. SI well. SDFD.
- 3/13/14 Bump test H2S equipment. Open up well; no pressures. TIH and tag TOC at 3576'. Establish circulation. Shut in casing establish small rate pressured up to 900 PSI, bled down to 500 PSI in less than a minute. Perforate 3 HSC squeeze holes at 3369'. TIH with 4.5" DHS CR and set at 3319'. Establish circulation, return has gas. Pump down 50 bbls of water. Attempt to pressure test casing to 800 PSI, bled down to 500 PSI in less than a minute. Establish a rate of ½ bpm at 900 PSI. Spot plug #5 with calculated TOC at 3109'. SI well. SDFD.
- 3/14/14 Bump test H2S equipment. Open up well; no pressures. TIH and tag TOC at 3135'. Establish circulation. Attempt to pressure test casing to 800 PSI, bled down to 500 PSI in less than a minute, no test. Spot plug #6 with calculated TOC at 2373'. WOC. TIH and tag TOC at 1867'. Establish circulation. Pressure test casing to 800 PSI, bled down to 500 PSI in less than a minute. Spot plug #7 with calculated TOC at 871'. Note: change inside/outside plug to inside plug due to CBL. Approved by B. Powell, NMOCD and D. Porch, BLM. SI well. SDFD.
- 3/17/14 Bump test H2S equipment. Open up well; no pressures. TIH and tag TOC at 985'. Establish circulation. Pressure test casing to 800 PSI, OK. Perforate 4 HSC squeeze holes at 353'. Establish rate of ½ bpm at 1000 PSI, broke down to 1 bpm at 900 PSI then 1-1/2 bpm at 800 PSI got circulation out bradenhead with 5 bbls pump additional 35 bbls till clean returns. TIH with 4.5" DHS CR and set at 320'. Establish circulation. Spot plug #8 with TOC at surface. Reverse circulate. Spot plug #8a with TOC at surface. Dig out wellhead. SI well. SDFD.
- 3/18/14 Bump test H2S equipment. Open up well; no pressures. ND BOP. RU High Desert. Cut off wellhead. Found TOC at surface in 4.5" casing in annulus half cement and half sand. Note: Kelly Nix, BLM request to dig down 4' in annulus. Dig out sand in annulus. Spot plug #9 and install P&A marker. RD and MOL.

Dustin Porch, BLM representative, was on location.

Kelly Nix, BLM representative, was on location.

Jim Morris, MVCI representative, was on location.