Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
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.

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

SEP 08 2014

RECEIVED

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMNM130738
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. WILDER FEDERAL AC COM 28 8H
2. Name of Operator CONOCOPHILLIPS COMPANY Contact: KRISTINA MICKENS E-Mail: kristina.mickens@conocophillips.com	9. API Well No. 30-025-41692-00-X1
3a. Address MIDLAND, TX 79710 3b. Phone No. (include area code) Ph: 281-206-5282	10. Field and Pool, or Exploratory JENNINGS
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 28 T26S R32E NWNW 0280FNL 0330FWL 32.011233 N Lat, 103.411516 W Lon	11. County or Parish, and State LEA COUNTY, NM

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 to Original A PD
	☐ 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 recomplete 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 recompletion 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.)

ConocoPhillips Company respectfully requests a sundry for variance to the submitted APD drill plan. Per conditions of approval, the cement should tie-back at least 500 feet into previous casing string. However, during the two-stage cementing job, no returns were observed during pumping cementing in the 2nd Stage and resulted with failure to bring cement above to tie-back into the previous casing string from the 2nd stage.

Per BLM requirement, we wish to propose cement remediation after fracture stimulation on the well. The intention is to allow completion of this well before remediation for the reason that there is sufficient cement above any hydrocarbon bearing zones of interest. Therefore, we strongly feel that we would have a more effective cement sheath without micro-annulus from a post-frac cement remediation.

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

Electronic Submission #258308 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs
Committed to AFMSS for processing by ED FERNANDEZ on 08/28/2014 (14EF0089SE)

Name *(Printed/Typed)* KRISTINA MICKENS — Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) — Date 08/26/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ — Title PETROLEUM ENGINEER — Date 08/28/2014

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 Hobbs

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

SEP 12 2014

Additional data for EC transaction #258308 that would not fit on the form

32. Additional remarks, continued

Please see the attached Summary of Operations, Proposed Completion and Remediate Cementing Operation, and the actual wellbore schematic.

Sundry Request for Variance
ConocoPhillips Company
WILDER FEDERAL AC COM 28 8H
API #: 30-025-41692

Lea County, New Mexico

Request:

ConocoPhillips Company respectfully requests a sundry for variance to the submitted APD drill plan. Per conditions of approval, the cement should tie-back at least 500 feet into previous casing string. However, during the two-stage cementing job, no returns was observed during pumping cementing in the 2nd Stage and resulted with failure to bring cement above to tie-back into the previous casing string from the 2nd stage.

Per BLM requirement, we wish to propose cement remediation after fracture stimulation on the well. The intention is to allow completion of this well before remediation for the reason that there is sufficient cement above any hydrocarbon bearing zones of interest. Therefore, we strongly feel that we would have a more effective cement sheath without micro-annulus from a post-frac cement remediation.

Summary:

Spud: July 11, 2014; 08:00 hrs.
Release: August 08, 2014; 06:00 hrs.
This well was drilled as a Horizontal well.
TD 15,925' MD (9,327.5' TVD).
KOP @ 8,768.0'.
Effective Lateral Section: 6,217 ft (LP @ 9,708 ft – MD).
Maximum Dogleg Severity: 15.4° at 9,550' MD (9,253.6' TVD).
20" Conductor was pre-set at 99' below ground level.
13-3/8", 54.5#, J-55, BTC Surface Casing was set at 959.9' and cemented to surface, returns 160 bbls of cement to surface. No problems reported.
9-5/8", 40.0#, L-80, BTC Intermediate Casing was set at 4,469.0' and cemented to surface, returns 100.0 bbls of cement to surface. No problems reported.
5-1/2", 20.0#, P-110, Tenaris XP BTC Production Casing was set at 15,893.2' MD. Float Shoe Top at 15,890.5' MD and Float Collar Top at 15,845.1' MD, and *Marker Joint Top at 8,539.8' MD*. Cemented in two Stages (DV Tool at 8,536.9' and ACP at 8,549.9), No returns during cementing, ACP was set and Stage Tool was opened, pumped Stage #2, bumped plug with no circulation though out cement job (CBL-USIT will be taken before doing completion work in order to determine condition and top of cement).
DV Tool at 8,536.9'. External Casing Packer @ 8,549'.
Fluid left inside the well: Cut Brine 9.4 ppg.
Fluid in uncemented casing annulus: 9.4 ppg Cut Brine.

On August 20, 2014, SLB completed 0 psi & 1000 psi pass of CBL with Isolation Scanner logging run per BLM requirements. The CBL log indicates the top of cement to be approximately at 7,950 ft MD shown from the reduction in amplitude. The VDL was not conclusive in determining where the top of cement was located. The additional data from the isolation scanner show some ratty cement from 7,660' MD to 7,710' MD.

The hardcopy of the CBL with Isolation Scanner was send to the BLM Carlsbad Office and should be in their file records.

Therefore, based on these interpretations that indicates top of cement to be at least ~ 1,610' above the top of the estimated perfs, we proposed to proceed with completion and remediate once the well has been completed prior to turning the well over to production.

Proposed Completion and Remediate Cementing Operation:

1. Bleed off any pressure on each casing annulus, install frac valves, and close all valves on the casing head.
2. Pressure Test the 9-5/8" x 5-1/2" annulus to **250 psi (low)** and **500 psi (high)**, hold and monitor for 30 min with pressure charts. If the pressure test fails to hold pressure (no less than 10%), then establish an injection and record the pressure and rate.
3. MIRU Pump Truck. Pressure Test casing to 9,800 psi for 30 min.
4. Bleed off any pressure and install gauge to monitor the pressure on the 9-5/8" x 5-1/2" annulus.
5. MIRU CTU. RIH, TCP Stage Perfs. RDMO CTU.
6. MIRU Stimulation Crew, WL and Water Transfer. See COA
7. Perform Stimulation on the well. During the Stimulation monitor the pressure on the annulus. If significant pressure increase is observed from the annulus, immediately shut-down fracking operations and contact BLM engineer to discuss path forward. RDMO Stimulation Crew and Water Transfer.
8. RU WL and RIH and Set a CBP at ~ 8,700'.
9. MIRU cementers: Test lines to 3,000 psi. Max Pressure is 2,500 psi or 4 bpm.
   - Establish injection pressure and rate. Ensure injectivity for Braden Head Squeeze.

     (Note: Do not mix cement until both are established)
   - Pump 40 bbl LCM and 10 bbl water spacer at 3 bpm.
   - Mix and pump 514 sacks (Class C 11.9 ppg, 2.58 cuft/sk yield, 35% excess, and 235 bbl of cement) of cement and displace with 185 bbls of freshwater with biocide.

     (Note: As soon as stop pumping shut-in 9-5/8" Casing Valves to help prevent cement from potential falling)
10. Bleed off any pressure.
11. MIRU WL unit with 5K lubricator, pack off, WL BOP, Tool Trap and Pump in Sub. Test Lubricator.
12. Run CBL with ~~Isolation~~ Scanner to determine new TOC and base of cement from the Braden Head Squeeze. Log from ~~8,000'~~ MD to surface. TOC should be above 3,969' MD to meet BLM COA. Submit a copy of CBL to a BLM engineer for review to approve prior to flowback of well. See COA
13. If remedial cement is placed successfully to indicate TOC is above 3,969' MD and a pressure test in the 9-5/8" by 5-1/2" casing annulus to 500 psi for 30 min is recorded on chart. Provide a copy of the CBL, post-job cement report, and pressure test chart to BLM per COA. See COA
14. MIRU CTU and Mill Out plugs from the well. RDMO CTU.
15. Flowback the well for 72 hrs monitoring casing pressure, fluid and gas rates.
16. MIRU WSU. TIH with Tubing and Gas Lift. Land Tubing and NU Production Tree.
17. RDMO WSU.
18. Turn Well Over to Production.

Anticipated starting date and duration of operations:
This proposal will only be implemented for the fracking operation and cement remediation of this well after request has been approved and authorizations by all agencies have been obtained. We will monitor the annulus pressure during the fracking operation.

Contact Information:

Sundry Request proposed 25 August 2014 by:
Roger Ramos
Staff Drilling Engineer, ConocoPhillips Company
Phone (281) 206-5334
Cell (832) 566-0804.

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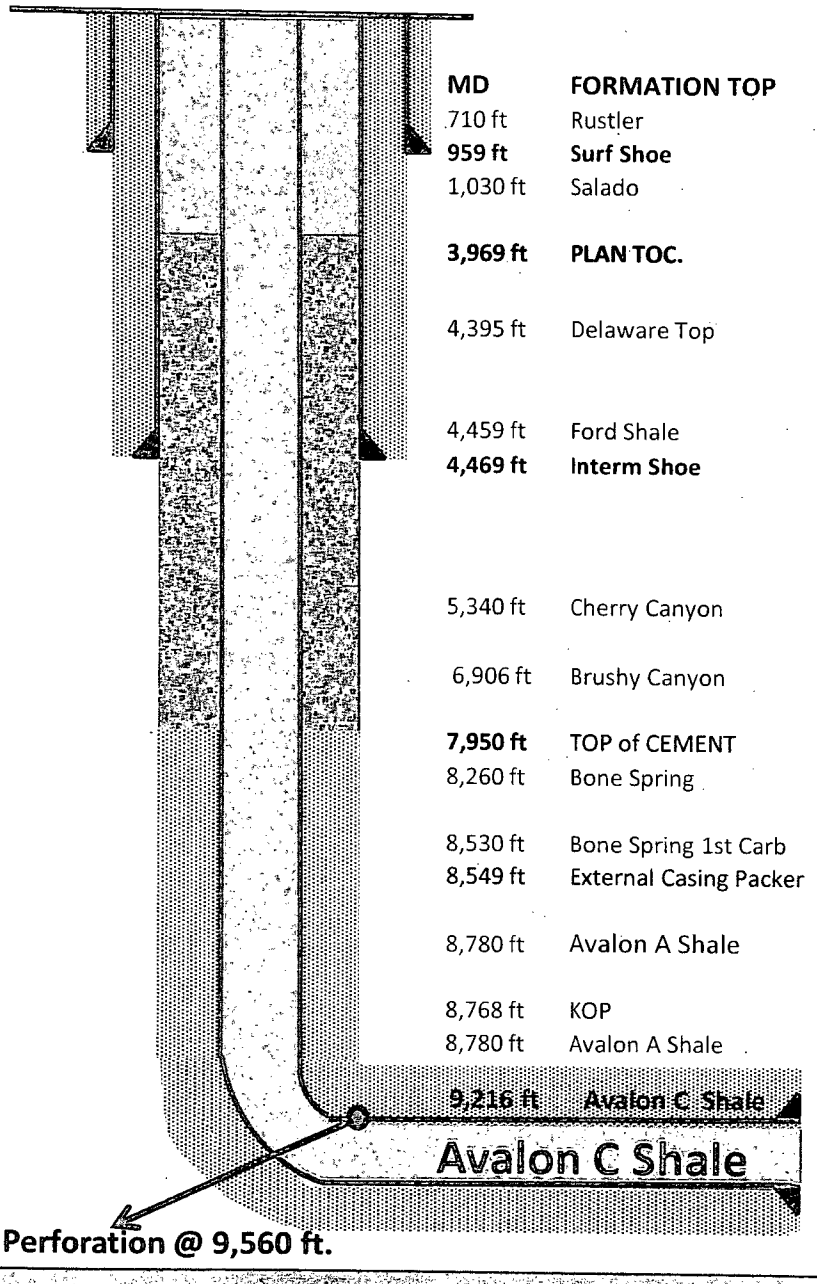

MD	FORMATION TOP
710 ft	Rustler
959 ft	**Surf Shoe**
1,030 ft	Salado
3,969 ft	**PLAN TOC.**
4,395 ft	Delaware Top
4,459 ft	Ford Shale
4,469 ft	**Interm Shoe**
5,340 ft	Cherry Canyon
6,906 ft	Brushy Canyon
7,950 ft	TOP of CEMENT
8,260 ft	Bone Spring
8,530 ft	Bone Spring 1st Carb
8,549 ft	External Casing Packer
8,780 ft	Avalon A Shale
8,768 ft	KOP
8,780 ft	Avalon A Shale
9,216 ft	**Avalon C Shale**
15,893 Prod Shoe	
15,925 TD	

Surface Section

- Objective: Protect fresh water horizons.
- Drill 17-1/2" hole to 970 ft. Inside "Rustler" Form.
- Mud Weight: 8.4 – 9.2 ppg FW-Native Mud.
- **Set 13-3/8" 54.5# J-55 BTC casing.**
- Cement to surface.

Intermediate Section

- Objective: Isolate the Salado Salt and Delaware Sand interval.
- Drill 12-1/4" hole 4,484 ft. Inside "Ford Shale" Form.
- Mud Weight: 9.5 - 10.4 ppg Brine.
- **Set 9-5/8" 40# L-80 BTC casing.**
- Cement to surface.

Production Section

- Objective: Provide zonal isolation of production interval and provide medium for stimulation.
- Drill 8-3/4" hole to 15,925 ft - "Production TD".
- Mud Weight: 8.9 – 9.4 ppg Cut-Brine.
- **Set 5-1/2" 20# P-110 Ten XP BTC casing**
- Cement lap 500 ft above previous shoe (Plan). Actual TOC @ 7,950 ft.

Completion	
Type:	Plug and Perf.
Tubing Design:	2-7/8" w/ GLMs and Packer
Total Stages:	27 Stages

Conditions of Approval

Sundry dated 8/26/2014
Wilder Federal AC Com 28 8H
30-025-41692
ConocoPhillips Company

Note that this is approval to proceed with fracture stimulation and remedial cement work will be required to meet the original APD conditions of approval which is to tie-back cement 500 feet into previous casing string.

1. Operator to notify the BLM at least 36hrs before work is to begin on well.
2. **Step 7 maximum stimulation pressure not to exceed 9,800 psi**
3. **Step 12 CBL shall be run from KOP 8,768MD to surface**
4. **Step 12 of procedure: operator to provide BLM with an electronic copy (Adobe Acrobat Document) cement bond log. The CBL must be reviewed and approved by the BLM prior to flowback of well. The CBL may be submitted via email to a BLM Engineer. The CFO BLM on call engineer may be reached at 575-706-2779.**
5. **Step 13 of procedure: Pressure test 9-5/8" by 5-1/2" annulus to 500 psi for 30 minutes and record on chart. Send CBL, post-job cement report, and chart to the BLM.**
6. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
7. Functional H_2S monitoring equipment shall be on location.
8. A minimum of 3000 (3M) BOPE shall be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M) Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
9. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
10. Approval is good for 90 days (completion to be within 90 days of approval). A legitimate request is necessary for extension of that date.

EGF 082714