

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

MAR 02 2015

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. SEMU BTD 122
2. Name of Operator CONOCOPHILLIPS COMPANY		9. API Well No. 30-025-30429
3a. Address P. O. BOX 51810 MIDLAND, TX 79710	3b. Phone No. (include area code) Ph: 432-688-9174	10. Field and Pool, or Exploratory SPAGGS; GRAYBURG
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T20S R37E Mer NMP NWNW 766FNL 766FWL		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			
<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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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 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 would like to recomplete into the Skaggs; Grayburg by placing a CIBP with 35' cmt @ 6583' & 6338' to plug back the upper most Tubbs perms. We will then add perms @ 3705'-3890' per attached procedures.

Attached is a C-102 plat for the Skaggs; Grayburg.

SEE ATTACHED FOR
CONDITIONS OF APPROVALSUBJECT TO LIKE
APPROVAL BY STATE

14. I hereby certify that the foregoing is true and correct. Electronic Submission #253913 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 10/09/2014 ()	
Name (Printed/Typed) RHONDA ROGERS	Title STAFF REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 07/21/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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.	

APPROVED

FEB 26 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

MAR 04 2015



SEMU 122
API# 30-025-30429
Recompletion

The subject workover consists of re-completing to the Grayburg.

WELL CATEGORY, BOP CLASS AND EXCEPTIONS

Well Category: One
BOP Class: Two (hydraulic required)

PROCEDURE

NOTE: Prior to MI & RU of service unit, test the anchors.

1. MI & RU service unit
2. POOH & LD rods & pump. ND well. NU BOP. POOH & LD tbg.
3. RIH w/ 3-1/2", 9.3#, N-80 WS & bit & scraper (7", 26#) to 6583. POOH.
4. Spot 35 ft. of cement on top of piece of cement retainer & CIBP @ 6583 (If dump bailer is used, a tag of TOC is required).
5. PU CIBP & PKR. RIH w/ WS & CIBP & PKR. Set CIBP @ 6338 (uppermost Tubbs perforation: 6348). Test CIBP @ 2500# surface prs. POOH w/ WS & PKR. Spot 35 ft. of cement on top of CIBP (If dump bailer is used, a tag of TOC is required).
6. TIH w/ open-ended WS. Fill hole w/ 38 bbl of 14.8 ppg mud up to 5306. Pull up hole. Mix & pump 25 sx of class C cement as a plug. Plug should be 154 ft. in length. POOH w/ WS. WOC.
7. RIH w/ WS & CIBP. Set CIBP @ 4100

Circ well w/ fresh water. (7", 26# well capacity: 157 bbl; 108 bbl w/ 3-1/2" WS)

Close pipe-rams & test CIBP @ 8500# surface prs.

POOH w/ WS.

8. RU perforating services.

Note:

If necessary, pull GR/CCL log from 3900-3000

NU lubricator w/ pack-off. Test @ 500#.

Perforate following intervals (3-3/8" SLB Power Jet HMX, 22.7 gm., EHD: 0.36"):

top	btm	Feet	SPF	Shots
3705	3710	5	2	10

3749	3753	4	2	8
3802	3810	8	2	16
3832	3850	18	2	36
3865	3890	25	2	50
		60		120

RD perforating services.

9. Breakdown perforations:

- a. RIH w/ 3-1/2" WS w/ PKR to lowermost perforation @ 3890.
- b. Spot 1000 gal 15% NE Fe HCl (23.8 bbl acid followed by 24.0 bbl water)
- c. Pull 20 stands. Set PKR @ approximately 2600 (acid column: 3268-3890)
- d. Displace acid w/ 35 bbl water
(11 bbl over-flush; equivalent to approximately 3 x AIR: 3 BPM @ 3000#)
- e. Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min)
- f. Re-set PKR @ 3655. Test 3-1/2" x 7", 26# annulus & PKR @ 500#.
- g. ND BOP
- h. NU frac stack
 - btm: 7-1/16" 5K psi manual frac valve
7-1/16" 5K psi hydraulic frac valve
 - top: 5K psi "goathead" w/ full-bore opening
2: 4" side connections

RD well service

10. Prior to frac date, spot 8 clean 500 bbl frac tanks.

Load tanks w/ fresh water. Water to be biocide-treated by frac-service provider.

The well work will require the following acid volumes:

Stage	15% NE Fe HCl: gal		
	Spot	Job	Total
1		2520	2520
		2520	2520

Stage: Grayburg

11. RU HES. Set treating line pop-off: 8500#.
Set pump trips: 8000#
Test surface lines: 9000#.

Acidize 3705-3890 (60 perforations) w/ 60 bbl (2520 gal) 15% NE Fe HCl w/ 240 (1.1 sg) ball sealers:

- Pump 20 bbl freshwater. Obtain pump-in rate: 15 BPM
- Pump 10 bbl 15% HCl.
- Pump 40 bbl 15% HCl. Drop 240 bs evenly spaced (6 bs/bbl)
- Pump 10 bbl 15% HCl
- Pump 125 bbl fresh water (overflush w/ 45 bbl, equivalent to 3 x BPM treating rate)

(csg capacity: 141.8 bbl top perf; 148.8 bbl btm perf)

Anticipated treating rate: 15 BPM @ 4250#

If ball-out occurs (5250#: 1000# over treating prs), SD. Surge perms 3 times.

Frac 3705-3890 down 3-1/2", 9.3#, N-80 WS w/

Mark flush @ 1#. Flush w/

1400 gal (33.3 bbl) WaterFrac G

Capacity to uppermost perforation: 1353 gal; 32.2 bbl

Anticipated treating rate: 30 BPM @ 6000#:

RD & release HES. SION.

12. Open well and flow back until dead.

13. RU well service unit. ND frac stack. NU BOP.

14. POOH & LD 3-1/2", 9.3#, N-80 WS & PKR.

15. Pick-up & RIH w/ 6-1/8" bit, 4: 6-1/4" DC & 2-7/8", 6.5#, J-55 tbg.

Clean out wellbore to 4100.

16. Downhole equip as per attached.

	Depth (RKB): ft	
	(KB - GL: 16 ft.)	
<u>Tubing:</u>	<u>top</u>	<u>btm</u>
2-7/8", 6.5#, J-55	surface	3570
TAC (2-7/8" x 7", 26#)	3620	3623
2-7/8", 6.5#, J-55	3623	4010
SN	4010	4010
2-7/8", 6.5#, J-55 Tbg Sub	4010	4015
Desander	4015	4035
2-7/8" Fiberglass Tailpipe	4035	4065
2-7/8" Purge Valve	4065	4066
<u>Note:</u>		
upr perf 3705		
btm perf 3890		
CIBP @ 4100		

<u>Rods:</u>	<u>Ftg</u>
1" Norris D90	1475
7/8" Norris D90	2185
1-1/2" Flexbar C SB	350
Pump: 2" x 30' Insert	4010

17. Surface equip w/ 640-305-144 unit from SEMU 128. Operate at 8.2 SPM w/ 144" stroke.

18. Place well on test.

	Internal Yield (Burst): psi		Internal Diameter: in.		Capacity	
	100%	80%	Nom.	Drift	gal/ft	bbl/ft
2-7/8", 6.5#, J-55	7260	5808	2.441	2.347	0.2431	0.0058
7", 26#, K-55	4980	3984	6.276	6.151	1.6070	0.0383
2-7/8" x 7", 26#					1.2698	0.0302

Conditions of Approval

ConocoPhillips company
SEMU BTB - 122, API 3002530429
T20S-R37E, Sec 23, 766FNL & 766FWL
February 26, 2015

1. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15. Exceptions to these restrictions may be granted by BLM's Johnny Chopp <jchopp@blm.gov> 575.234.2227 or Bob Ballard <bballard@blm.gov> 575.234.5973.
2. Before casing or a liner is added, replaced, or repaired prior BLM approval of the design is required. Use notice of intent Form 3160-5.
3. Subject to like approval by the New Mexico Oil Conservation Division.
4. Surface disturbance beyond the existing pad must have prior approval.
5. 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.
6. Functional H₂S monitoring equipment shall be on location.
7. 3000 (3M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.
8. 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.
9. **This procedure is subject to the next three numbered paragraphs.**
10. Mix cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft from the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 5600 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.
11. Class H > 7500ft & C < 7500ft) cement plugs(s) will be necessary. For any plug that requires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs of Class "C" to be mixed 14.8#/gal, 1.32 ft³/sx, 6.3gal/sx water and "H" to be mixed 16.4#/gal, 1.06ft³/sx, 4.3gal/sx water.

12. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
13. **Set a 35sx minimum cement plug on the CIBP to be set at 6338. Tag the plug with tubing.**
14. **A 7" DV Tool was used to circulate cement during drilling of this well. The DV Tool is evidenced at 4748 on the CBL of 09/22/1988. Plug back requirements require a minimum cement plug to cover from 50' below the plug to 50' above the plug. Spot a minimum 35sx cmt plug from 4800 or below. Tag the plug with tbg.**
15. **Step 7 of procedure** - After setting the top plug and before perforating, **perform a charted casing integrity test.** Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 25 to 85 per cent of its full range. **Verify all annular casing vents are plumbed to the surface and open during this pressure test.** Submit a copy of the CIT chart relating the dated daily wellbore activities in the subsequent Sundry Form 3160-5.
16. File intermediate **subsequent sundry** Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry. File the subsequent sundry for the frac separately if it is delayed as much as 20 days.
17. Submit the BLM Form 3160-4 **Recompletion Report** within 30 days of the date all BLM approved procedures are complete.
18. Workover approval is good for 90 days (completion to be within 90 days of approval).
19. An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in paying quantities or of service use.
20. Submit evidence to support your determination that the well has been returned to active "beneficial use" for BLM approval on the Sundry Notice Form 3160-5 (the original and 3 copies) before 08/20/2015.
21. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

PRS 02262015