Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS JAN 28 2013

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
NMLC031696A

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SEMU 136

2. Name of Operator
ConocoPhillips Company

9. API Well No.
30-025-34667

3a. Address
P. O. Box 51810 Midland TX 79710

3b. Phone No. *(include area code)*
(432)688-9174

10. Field and Pool or Exploratory Area
Skaggs; Grayburg

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
UL L, 1980' FSL & 1090' FWL, Sec 25, 20S, 37E

11. County or Parish, State
LEA NM

12. CHECK THE 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 must 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 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.)

ConocoPhillips would like to recomplete the Skaggs; Grayburg (57380) pool. We will be pumping 25 sx cmt on top of CIBP already set @ 7100' & setting another CIBP @ 6430', 76' above Tubb perfs & spot 35' of cmt (if dump bailer is used, tag cmt cap afterwards) on top of CIBP to plug back the North Hardy Strawn. We are going to perf the Grayburg @ 3844'-4000'.

Attached is the procedure and the C-102.

SUBJECT TO LIKE APPROVAL BY STATE

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Rhonda Rogers

Title Staff Regulatory Technician

Signature Rhonda Rogers

Date 12/03/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
JAN 2 2013
Date
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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. 12-29-2013

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.

(Instructions on page 2)

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240 HOBBS OCD

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210 JAN 28 2013

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410 RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-34667	57380	Skaggs; Grayburg

Property Code	Property Name	Well Number
13492	SEMU	136

OGRID No.	Operator Name	Elevation
217817	ConocoPhillips Company	3510'

Surface Location

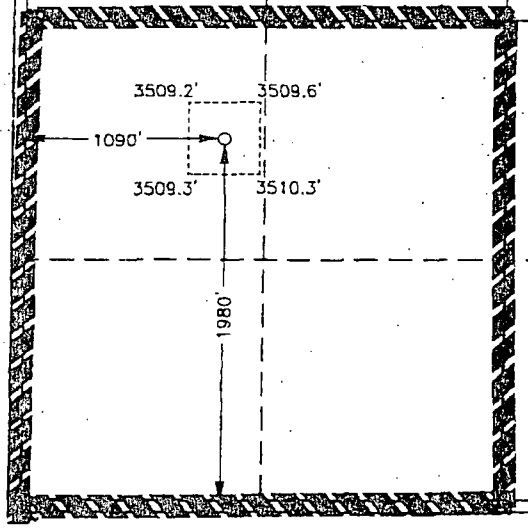
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	20 S	37 E		1980	SOUTH	1090	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Rhonda Rogers
Printed Name
Staff Regulatory Tech.
Title
12/3/12
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

May 27, 1999
Date Surveyed
Signature & Seal of Professional Surveyor
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
BASIN SURVEYS

W.O. No. 91954

Certificate No. Gary L. Jones 7977

ELG 1-29-2013

ConocoPhillips

SEMU 136
API#: 30-025-34667
Hardy North (Tubb-Drinkard) Field
Lea County, New Mexico

Currently a Blinebry/Tubb producer with low production. It is being review for a recompletion to the Grayburg. The Grayburg formation became a subject of interest after the initial success of the SEMU #151 Grayburg recompletion.

Well Category One:

H2S: 0 ppm.
Well Rate:

H2S	ROE- ft.
100 ppm	0
500 ppm	0

BOPE Class One: Hydraulic BOP recommended per Projects Group.

PROCEDURE

1. Prior to service unit MI & RU, dump 20 bbl xylene down 2-7/8" x 5-1/2" annulus. Pump back xylene (contact time: 7.2 hrs at current surface displacement of 79 BPD). Test anchors. Last well service 12.19.2000.

2. Spot 6 clean 500 bbl frac tanks. Load tanks w/ fresh water prior to frac date. Water to be biocide-treated by Service Company.

3. MI & RU service unit. Un-seat pump. POOH w/ rods & pump. ND well. NU hydril 1 X 7-1/16" 5K Blowout Preventer (Double BOP: blind ram & pipe ram) and environmental tray . Scan 2-7/8", 6.5# N-80 production tbg out of hole.

4. The following is a summary of the current well configuration:

Spud Date: 9.1.99 RIs Date: 9.20.99	Depth RKB		Elev.: 3510 KB; 3521 GL (KB - GL: 11 ft.)
	top	btm	
8-5/8", 23#, M-50, Hole Sz: 12 ¼"	11	1404	Lead: 520 Sxs , Class C @ 12.7 ppg
			Tail : 195 sxs, Class C @ 14.8 ppg
			28.5 bbls circ to surface.
5-1/2", 15.5# K55 , Hole: 7 7/8"	11	7272	Lead: 1650 sxs, class C @ 12.7 ppg
5-1/2", 17# K55 ,	7272	8040	Tail: 620 sxs , Class C @ 14.8 ppg
			6 bbls of cement circ to surface
Mud weight : 10.1 ppg @ TD (8044')			

Bottom Up:			
ABO Perforated Intervals	7152	7247	10.07.99: Perforate @ 2 spf
Gun: 4" HSC csg guns, 120 deg, .41" diam, 24" Penetration	7209	7220	10.07.99: Perforate @ 2 spf
	7232	7247	10.07.99: Perforate @ 2 spf
	7268	7284	10.07.99: Perforate @ 2 spf
	7292	7301	10.07.99: Perforate @ 2 spf
	7305	7308	10.07.99: Perforate @ 2 spf
	7313	7317	10.07.99: Perforate @ 2 spf
	7322	7324	10.07.99: Perforate @ 2 spf
	7512	7526	10.07.99: Perforate @ 2 spf
	7530	7538	10.07.99: Perforate @ 2 spf
	7562	7566	10.07.99: Perforate @ 2 spf
	7578	7582	10.07.99: Perforate @ 2 spf
	7604	7608	10.07.99: Perforate @ 2 spf
	7615	7625	10.07.99: Perforate @ 2 spf
	7362	7654	10.07.99: Perforate @ 2 spf
	7660	7667	10.07.99: Perforate @ 2 spf
	7670	7676	10.07.99: Perforate @ 2 spf
	7680	7687	10.07.99: Perforate @ 2 spf
CIBP	7100	7105	12.14.99
Tubb Perforated Intervals	6506	6516	12.14.99: Perforated @ 4 spf
	6538	6542	12.14.99: Perforated @ 4 spf

5. PU & RIH w/ 2-7/8", 6.5#, N-80 **work string** tbg w/ 4-3/4" bit & 5-1/2", 17# csg scraper to 7100. Set EOT @ 7097. Well Capacity w tubing 149 bbl

   Mix & pump 25 sx cmt (5 bbl). Displace cmt w/ 41 bbl fresh water (cmt column: 6776-7100. POOH w/ tbg (cmt column: 6817-7100).

6. RIH w/ tbg & CIBP-2. Set CIBP-2 @ 6430 POOH w/ tbg. Spot 35 ft of cement on top of CIBP (if dump bailer is to be used tag cement cap afterwards). Test plug to 500 #

7. PU RBP. RIH with RBP and Packer on 2 7/8" WS. Set RBP @ 4100. Re-set PKR @ 3650. Test csg below PKR @ 2500#. Circ well clean. POOH w/ tbg & PKR.

8. RU SLB. NU lubricator & test @ 500#.

Perforate following intervals at 3 spf @ 60-degree phasing w/ 3-3/8", HSD Power Jet 3406, HMX, 22.8 gm. (EHD: 0.37 in.; Penetration: 37 in.)...

	top	btm	ft.	SPF	Perfs
Grayburg	3844	3847	3	3	9
	3880	3888	8	3	24
	3912	3915	3	3	9
	3922	3926	4	3	12
	3933	3939	6	3	18
	3946	3949	3	3	9
	3951	3959	8	3	24
	3964	3971	7	3	21
	3983	4000	7	3	21
			45		135

Note: collars recorded on Baker Atlas CBL of 09.27.99; KB – GL: 11 ft.):

Collar	Collar-Collar
3815	
3860	45
3906	46
3950	44
3995	45
4040	45
4084	44
4128	44
4172.5	44.5
4218	45.5
4262	44

9. RIH w/ tbg, PKR. Acidize Grayburg perforations w/ total 145 bbl (6090 gal) 15% NE Fe HCl:

Acidize Gross Interval:

a. Pull EOT to 3800. Pump 15% NE Fe HCl using 1.1 SG, 5/8" bio balls followed by 4.3 bbl 2% KCl.
b. SD and allow well to equalize.
e. Pump w/ 23 bbl 2% KCl to flush to bottom perf.
f. Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

POOH w/ tbg, PKR.

10. PU & RIH w/ 3-1/2", 9.3#, N-80 tbg w/ PKR (5-1/2", 17#). Test tbg @ 8500# while RIH (3-1/2", 9.3#, N-80 Internal Yield Prs: 10,160#).

    Set PKR @ 3740 Test 3-1/2" x 5-1/2" annulus & PKR @ 500#.

11. RU SLB. Set treating line pop-off to release @ 8500#.
    Set pump trips @ 8000#.
    Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#.
    Load 3-1/2" x 5-1/2" annulus. Note annulus fill volume. Place 200# on csg.
    Test surface lines @ 9000#.

    Frac 3844-4000 down 3-1/2", 9.3#, N-80 tbg w/ 89,000 gal YF120ST w/ 68,250# 20/40 Brown sand & 57,750# resin-coated 20/40 Brown sand. Mark flush @ 1#. Flush w/ 1367gal WF110 (capacity to uppermost perforation: 1403 gal). Anticipated treating rate: **30 BPM @ 6000#:**

			Clean Vol.			Proppant			Slurry Vol			Pump Time @ 30 BPM	
	Fluid	Proppant	gal	bbl	cum bbl	ppg	lbs	cum lbs	gal	bbl	cum bbl	min.	cum min.
Pad	YF120ST		35000	833.3	833.3	0.00	0	0	35000	833.3	833.3	27.8	27.8
Stage	YF120ST	20/40 Brown	3000	71.4	904.8	0.25	750	750	3034	72.2	905.6	2.4	30.2
Stage	YF120ST	20/40 Brown	3000	71.4	976.2	0.50	1500	2250	3068	73.0	978.6	2.4	32.6
Stage	YF120ST	20/40 Brown	3000	71.4	1047.6	0.75	2250	4500	3102	73.9	1052.5	2.5	35.1
Stage	YF120ST	20/40 Brown	3000	71.4	1119.0	1.00	3000	7500	3136	74.7	1127.1	2.5	37.6
Stage	YF120ST	20/40 Brown	3000	71.4	1190.5	1.25	3750	11250	3170	75.5	1202.6	2.5	40.1
Stage	YF120ST	20/40 Brown	3000	71.4	1261.9	1.50	4500	15750	3204	76.3	1278.9	2.5	42.6
Stage	YF120ST	20/40 Brown	3000	71.4	1333.3	1.75	5250	21000	3238	77.1	1356.0	2.6	45.2
Stage	YF120ST	20/40 Brown	3000	71.4	1404.8	2.00	6000	27000	3272	77.9	1433.9	2.6	47.8
Stage	YF120ST	20/40 Brown	3000	71.4	1476.2	2.25	6750	33750	3306	78.7	1512.6	2.6	50.4
Stage	YF120ST	20/40 Brown	3000	71.4	1547.6	2.50	7500	41250	3340	79.5	1592.1	2.7	53.1
Stage	YF120ST	20/40 Brown	3000	71.4	1619.0	2.75	8250	49500	3374	80.3	1672.4	2.7	55.7
Stage	YF120ST	20/40 Brown	3000	71.4	1690.5	3.00	9000	58500	3408	81.1	1753.6	2.7	58.5
Stage	YF120ST	20/40 Brown	3000	71.4	1761.9	3.25	9750	68250	3442	81.9	1835.5	2.7	61.2
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1833.3	3.50	10500	78750	3476	82.8	1918.3	2.8	63.9
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1904.8	3.75	11250	90000	3510	83.6	2001.8	2.8	66.7
Stage	YF120ST	RC 20/40 Brown	3000	71.4	1976.2	4.00	12000	102000	3544	84.4	2086.2	2.8	69.5
Stage	YF120ST	RC 20/40 Brown	3000	71.4	2047.6	4.00	12000	114000	3544	84.4	2170.6	2.8	72.4
Stage	YF120ST	RC 20/40 Brown	3000	71.4	2119.0	4.00	12000	126000	3544	84.4	2255.0	2.8	75.2
Flush	WF110		1400	33.3	2152.4	0	0	126000	1400	33.3	2288.3	1.1	76.3
			90400	2152			126000		96108	2288		76.3	

Report ISIP, SITP (5 min), SITP(10 min) & SITP(15 min). RD SLB. SDON.

12. SION to allow resin-coated sand to cure. Flow back well until dead. POOH & LD 3-1/2", 9.3#, N-80 frac string & PKR.

13. RIH. W / 2 7/8" tubing. NDBOP. NUWH and run with rods. Space pump, hang well, load tubing and check pump action. RDMO. Handover to Operations.

	Capacity	Internal Diam. : in.	Internal Yield (Burst): psi

	bbl / ft	gal /ft	nom.	drift	100%	80%
2-7/8", 6.5#, J-55	0.00579	0.2431	2.441	2.347	7260	5808
3-1/2", 9.3#, N-80	0.0087	0.3652	2.992	2.867	10160	8128
5-1/2", 17#, J-55	0.02324	0.9764	4.892	4.767	5320	4256
2-7/8" x 5-1/2", 17#	0.0152	0.6392				
3-1/2" x 5-12/", 17#	0.0113	0.4766				

Conditions of Approval

Conoco Phillips Company
SEMU 136
API 30-025-34667
T20S-R37E, Sec 25
January 2, 2013

Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.

Work to be completed by April 2, 2013.

1. **Recompletion not in current Plan of Development (POD) dated 2/28/2012.**
2. **Operator shall indicate on POD their plans to further develop the Grayburg formation.**
3. **A commercial well determination shall be done on this well after 6 to 8 months of production from the Grayburg formation.**
4. **Tag and verify CIBP is at 7100'.**
5. **A minimum of 25 sx of Class C cement shall be placed on top of the CIBP located at 7100'. Tag required.**
6. **CIBP shall be set at 6430' (76' above the top perforation). A minimum of 35' of Class C cement shall be placed on top of the CIBP. Tag required if dump bailer is used.**
7. **A balanced cement plug shall be set at 5224' and shall be 153' in length to isolate the Glorietta formation. The plug shall be set at approximately 5224'-5071'. Tag required.**
8. 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.
9. Functional H_2S monitoring equipment shall be on location.
10. Subject to like approval by the New Mexico Oil Conservation Division.
11. Notify BLM 575-200-7902 before plug back procedures. The procedures are to be witnessed. If no answer, leave a voice mail with the API#, workover purpose, and a call back phone number. If there is no response, 575-361-2822. Note the contact, time, & date in your subsequent report.
12. Surface disturbance beyond the originally approved pad must have prior approval.
13. 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.

14. A minimum of 2,000 (2M) 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 (2M) 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.
15. 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.
16. The BLM PET witness is to run tbg tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test (WOC time of 4 hours recommended) as requested by BLM PET witness.
17. Class H > 7,500' & Class C < 7,500') cement plugs(s) will be necessary. The minimum pumped volume of 25 sacks of cement slurry is to exceed a 100' cement plug across the drilled wellbore. Add 10% to the 100' slurry volume for each 1,000' of plug depth when calculations indicate the need. 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 ft^3/sx, 6.3gal/sx water and "H" to be mixed 15.6#/gal, 1.18ft^3/sx, 5.2gal/sx water.
18. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
19. 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.
20. Submit the BLM Form 3160-**4 Completion Report for the Grayburg** within 30 days of the date all BLM approved procedures are complete. **Include all formation tops.**
21. Workover approval is good for 90 days (completion to be within 90 days of approval). A detailed justification is necessary for extension of that date.
22. 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).
23. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.

JAM 010213