

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCB/DSS/OCB  
HOBS

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

**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.*

SEP 25 2012  
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5. Lease Serial No.  
NMLC031620A

6. If Indian, Allottee or Tribe Name

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

7. If Unit of CA/Agreement, Name and/or No.  
NM 71041 L

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
SEMU Permian 128

2. Name of Operator  
ConocoPhillips Company

9. API Well No.  
30-025-34313

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  
Warren; Tubb (Gas)/Skaggs Drinkard

4. Location of Well (Footage, Sec., T, R, M, or Survey Description)  
ULT, 2490' FSL & 1310' FEL, Sec 24, 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			
<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 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 request to perform recompletion. We will squeeze the Grayburg @ 3671'-3859' & remove the BP @ 6750' and return to production the Warren; Tubb (gas) (87082) perfs @ 6466'-6620' & the Skaggs; Drinkard (57000), perfs @ 6796'-6890'. Production will be cmgled.

Attached is a current wellbore schematic, procedure and the C-102's.

DHC will be filled.

*Cancelled  
J. Amos  
9.23.12*

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

Rhonda Rogers

Title Staff Regulatory Technician

Signature

Date 07/01/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Petroleum Engineer

Date SEP 26 2012

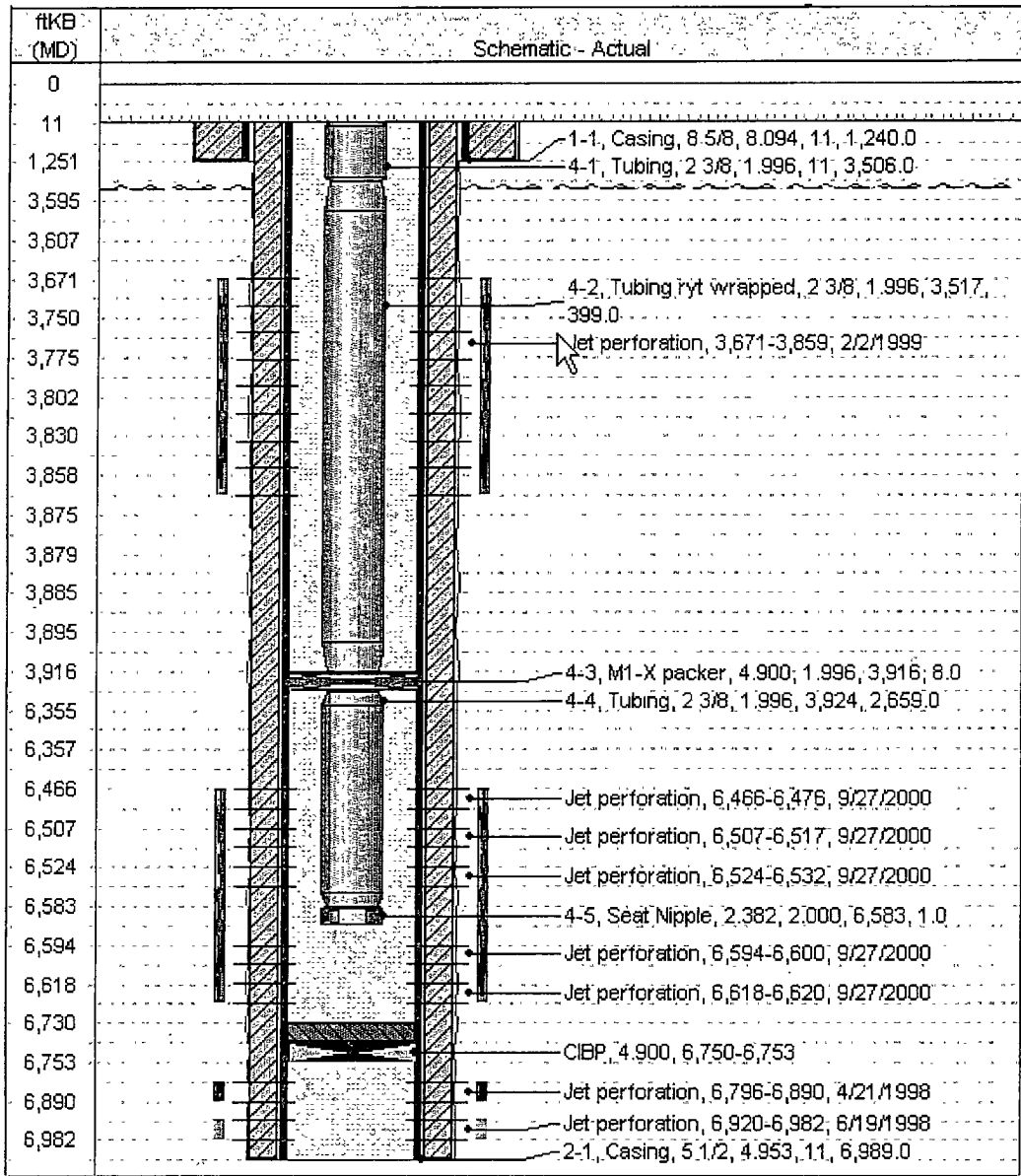
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on page 2)

SEP 26 2012



**CONOCOPHILLIPS COMPANY**  
 Permian Basin Area  
 November 12, 2011  
**SEMU PERMIAN 128**  
**API# 30-025-34313**  
**SQUEEZE GRAYBURG AND REENTER JUSTIS TUBB-DRINKARD**  
 \*\*\*\*\*

**A. History / Justification**

The purpose of the proposed project is to squeeze the **GRAYBURG** perforations and return to production the **TUBB** and **DRINKARD** downhole perforations. This well was originally completed in the upper **DRINKARD** on 4/21/1998 with an acid frac treatment

**B. TUBB & DRINKARD Formation Properties:**

Estimated frac gradient = 0.69 psi/ft	H <sub>2</sub> S ROE @ 100 ppm = 4'
Estimated BHP = 2400 psi	H <sub>2</sub> S ROE @ 500 ppm = 2'
BHT = 109°F	H <sub>2</sub> S Content = 0.0011%

**C. Well Category:**

Well Category 1 due to a 100 ppm H<sub>2</sub>S ROE < 50'.  
 This well is not capable of hydrocarbon flow.  
 Class 2, 3000 psi, Hydraulic BOP is recommended.  
 No choke manifold is to be used. **ONE BOP EXCEPTION:** One untested barrier – dynamic fluid column.

**D. Casing and Tubing Detail:**

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst (psi)	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Surf. Csg.	8 <sup>5</sup> / <sub>8</sub>	1251	8.094	25	J-55	2950	2802	1370	1301	
Prod. Csg	5 1/2	6989	4.953	15.5	K-55	4810	4088	4040	3838	
Prod. Tubg	2 <sup>3</sup> / <sub>4</sub>	6583	1.996	4.7	J-55	3500	2975	4160	3952	.00387

**Existing Perforations**

Formation	Perforations (MD)	Total <ft>	Frac Grad	SPF	Phase	Anticipated Reservoir Pressure	Anticipated Reservoir Temperature
Grayburg	3671-3684, 3694-3696, 3703-3705, 3732-3744, 3752-3758 3770-3773 3823-3839	188	NA	1	0	NA	114°

	3834-3840 3844-3850 3856-3859						
Tubb	6466-6476 6507-6517 6524-6532  6549-6600 6618-6620	154	.68	2	60	1800	114o
Drinkard	6796-6807 6820-6824 6832-6842 6855-6858 6870-6874 6880-6890	94	.7	2	60	1800	114o

**E. Recommended Procedure**

1. Review JSA and identify hazards with crew isolate hazardous energy. Record tubing and casing pressures at arriving.
2. MIRU well service unit. Enviro Vat EPA unit, trash trailer, pit tank, 1 500 bbls frac tank. Reverse Unit and 5000 Psi BOP (7 1/16" 5K, 2 3/8" pipe rams). Load backside with 70 bbls 10 # brine.
3. ND WH and NU BOP (7 1/16" 5K, 2 7/8" pipe rams). Unlatch from M1-X packer currently set set at 3916 'and reverse circulate 10 # brine . Establish return rate.
4. Re-latch on to packer. RU tubing scans testers. TOOH w/ 2 3/8", 4.7#; J-55 tubing and packer. Scan tubing tubing while pulling out. LD all green and red jts. PU 2 3/8" L80 workstring. Haul in enough 2 3/8" workstring to clean out well to 6989'+/-.
5. PU 5 1/2 "RBP and running/retrieving tool. TIH with 5 1/2 RBP. Set RBP at 4000' and unlatch from it. Spot 20 ft of sand on top of RBP (285 pounds).
6. TIH with setting tool and cement retainer. Set at 3570' or more convenient spot within 20 ft.
7. MIRU Service Company to pump cement. Pump 80 sacks of class H cement with 15 % CaCl .Displace with 6 barrels of FW Pressure not to exceed 1200 Psi. During the job monitor backside pressure.
8. Sting out retainer, reverse circulate 1.5 tubing volumes to evacuate cement still in tubing. Wait on cement overnight.

9. TIH w/ 4 3/4 bit, 4 1/8 DC's, 5 1/2" casing scraper on 2 3/8" WS. Drill out cement retainer and cement. If green cement returns are observed in the branded head, pressure up to 500 psi and WOC 4 more hours.
10. Establish circulation with 2% KCL water. Test casing against RBP to 500 psi for 30 minutes. Upon good test TOOH with cleanout assembly. TIH with Retrieving tool on 2 3/8" WS, wash sand off RBP, Circulate 10# brine to surface, latch on RBP and release RBP. POOH with RBP on 2 3/8" WS.
11. PU and TIH with 5 1/2" treating packer on 2 3/8" workstring. Set packer at 6400 EOT @ 6432 load backside with 2 % KCL water and pressure up to 500 psi. Keep 500 psi on the backside throughout the treatment. Monitor backside pressure to ensure not acid going thought the annulus.
12. MIRU Petroplex pumps trucks. Test lines to 3000 PSI. Acidize Tubb w/ 7700 gals of 28 % HCL @ 1-2 bpm ( Not to exceed 2975 psi downhole) Pump treatment as follows:
  - Pump 2300gals of 28% HCL acid
  - Drop 250 # of rock salt in gelled brine @ 2 ppg.
  - Pump 2500 gals of 28% HCL acid
  - Drop 250 # of rock salt in gelled brine @ 2 ppg.
  - Pump 2900 gals of 28% HCL acid.
  - Flush with 23 bbls of fresh water.

Acid to include the following additives:

  - FEDX-Iron reducer agents- 5 gallons per 1000 gals of acid.
  - FEDX-Iron reducer agent activator- 3 gals per 1000 gals of acid.
  - BAC-1 Biocide-3- Gallons per 1000 gals of acid.
  - I8- Acid Inhibitor-2 gallons per 1000 gals of acid.
13. Shut in for 1 hr and allow acid to soak. Obtain ISIP @ 0, 5, 10 min. RU swabbing equipment (Lubricator, swabbing valve). RIH w swab cup and tag depth. Swabb until fluid clears up or 70 % of fluid recovered whichever comes first. Record fluid levels and volumes recovered. RD swab equipment
14. Mix 3 drums of scale inhibitor in 70 bbls of water. Pump down Champion scale pill. Displace with 39 bbls of 2 % KCL water. Shut in well for 3 hrs to allow soaking of chemical.
15. Release 5 1/2" treating packer. TOOH w/ treating packer on 2 3/8" workstring.
16. TIH w/ 4 3/4 bit, 6 1/8 DC's, 5 1/2" casing scraper on 2 3/8" WS. Drill out cement plug @ 6750 and CIBP @ 6750. Drill out all the way to TD 6989".
17. PU and TIH with 5 1/2" treating packer on 2 3/8" workstring. Set packer at 6730 EOT @ 6762. Load backside with 2 % KCL water and pressure up to 500 psi. Keep 500 psi on the backside throughout the treatment. Monitor backside pressure to ensure not acid going thought the annulus.

- 18.** MIRU Petroplex pumps trucks. Test lines to 3000 PSI. Acidize w/ 5000 gals of 28 % HCL @ 1-2 bpm ( Not to exceed 2975 psi downhole) Pump treatment as follows:

Pump 1600 gals of 28% HCL Acid.  
Drop 250 # of rock salt in gelled brine @ 2 ppg.  
Pump 1400 gals of 28% HCL Acid.  
Drop 250 # of rock salt in gelled brine @ 2 ppg.  
Pump 2000 gals of 28% HCL Acid.  
Flush with 26 bbls of fresh water.

Acid to include the following additives:

FEDX-Iron reducer agents- 5 gallons per 1000 gals of acid.  
FEDX-Iron reducer agent activator- 3 gals per 1000 gals of acid.  
BAC-1 Biocide-3- Gallons per 1000 gals of acid.  
I8- Acid Inhibitor-2 gallons per 1000 gals of acid.

- 19.** Shut in for 1 hr and allow acid to soak. Obtain ISIP @ 0, 5, 10 min. RU swabbing equipment (Lubricator, swabbing valve). RIH w swab cup and tag depth. Swabb until fluid clears up or 70 % of fluid recovered whichever comes first. Record fluid levels and volumes recovered. RD swab equipment
- 20.** Mix 3 drums of scale inhibitor in 70 bbls of 2 % KCL water. Pump down Champion scale pill. Displace with 39 bbls of 2% KCL water. Shut in well for 3 hrs to allow soaking of chemical
- 21.** Release packer and TOOH with 5 ½' treatment packer on 2 3/8" WS. Monitor tubing and casing pressures for possible pressure surge. Pump 10 # brine if need to maintain control of well.
- 22.** TIH with Seating nipple, TAC and 2 3/8" 4.7, J-55 production tubing. Adjust depths based on rodstar design attached on well view.
- 23.** ND BOP and NU WH. RIH with pump and rods. Space and hang well on. Load tubing and check pump action.

RDMO well service rig and return well to production.

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions 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 3D-025-34313		*Pool Code 57000	*Pool Name Skaggs Drinkard
*Property Code 31449	*Property Name SEMU Permian		*Well Number 128
*GRID No. 05073	*Operator Name CONOCO INC.		*Elevation 3536'

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	24	20-S	37-E		2490	SOUTH	1310	EAST	LEA

<sup>11</sup>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 40	*Joint or Infill	*Consolidation Code	*Order No. NSL - 3854
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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

16									

**17 OPERATOR CERTIFICATION**

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

Signature: *Shonda Rogers*

Printed Name: Shonda Rogers

Title: Staff Services


Date: 7/11/12

**18 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 supervision, and that the same is true and correct to best of my belief.

Date of Survey: JANUARY 2012

Signature and Seal: *Earl F. ...*



Certificate Number: 8278

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

HOBBS OCD

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

SEP 25 2012 OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-34313	2 Pool Code 37080	3 Pool Name Warren-Subk (Gas)
4 Property Code 31449	5 Property Name SEMrtermian	6 Well Number 128
7 OGRID No. 217817	8 Operator Name ConocoPhillips Company	9 Elevation 3536'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	24	20S	37E		2490'	South	1310'	East	Lea

11 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

12 Dedicated Acres -16.0	13 Joint or Infill	14 Consolidation Code	15 Order No. NSL #3854
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR /  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Shonda Rogers</i> Signature Shonda Rogers Printed Name Staff Rec Tech Title 7/11/12 Date
		18 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 supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: 8278 01/16/97 Certificate Number