N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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

5. Lease Serial No.
NM 0557686

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
SEMU #160

2. Name of Operator
ConocoPhillips Company

9. API Well No.
30-025-35583

3a. Address
4001 Penbrook Street Odessa TX 79762

3b. Phone No. *(include area code)*
(432)368-1667

10. Field and Pool, or Exploratory Area
Monument; Tubb

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1650' FSL & 2250' FWL
Sec. 14, T-20-S, R-37-E, (K)

11. County or Parish, State
Lea
New Mexico

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 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 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 proposes to recomplete this well to the Tubb, abandoning the Strawn. The Procedure is attached.

Permit Expires 1 Year From Approval Date Unless ~~Drilling~~ Underway
Plug back

APPROVED
MAR 2004
GARY GOURLEY
PETROLEUM ENGINEER

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

Title
Regulatory Analyst

Signature
Celeste G. Dale 432-368-1667

Date
02/26/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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, makes 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 reverse)

Tubb Recompletion Procedure:

Note: All depths referenced to 11' RKB.

1. MI and RU pulling unit.
2. Kill the Strawn by pumping 100 bbls of 9.5 ppg treated brine water via the casing.
3. Remove the pumping tee and unseat the pump. RU hot oiler and pump 50 bbls of +220 degree hot water with paraffin dispersant down the tubing at 1 BPM to clean paraffin off the rods and tubing. Pump the remainder of hot water and dispersant down the flowline to clean the flowline. RD hotolier.
4. TOOH with 7/6 KD rod string. Inspect rods and couplings for pitting and wear. Lay any worn rods down and discard worn couplings. Lay down excess 7/8" and ¾" rods.
5. NU 5,000 PSIG WP manual operated BOPE consisting of 2 7/8" tubing rams on top and blind rams on bottom and test to 250/5000 PSIG as per SOP.
6. RU wellhead tubing scan equipment. Release the TAC and TOOH scanning tubing. Lay down any Red & Green band tubing.
7. RU electric line unit. Install packoff and RIH with 4 ¾" gauge ring to 7730'. PU 5 ½" CIBP and RIH to set at 7700' (50' above the top Strawn perforation). PU cement bailer and dump bail 35' of cement on top of the CIBP. RD electric line unit.
8. TIH with 2 7/8" tubing to 7600' and circulate hole with 9.5 ppg brine water containing packer fluid. Close the tubing rams and pressure test the casing to 3,000 PSIG for 30 minutes. PU to 6500' and spot 500 gals of 15% NEFE acid back to 6000'. TOOH with tubing.
9. RU electric line unit. Install lubricator with packoff and RIH with 4" HEGS non-ported casing guns with GR/CCL loaded 4 SPF in 120 degree phasing to perforate the following Tubb interval. Correlate back to the open hole porosity log using a GR with the CCL. All the casing collars are the same length. The gun charge is a 22.7 gram charge to provide 0.42" perforation ID hole with 21" of penetration.

	Interval	NEP	Shots
Tubb	6444' to 6448'	4'	17
	6456' to 6470'	14'	57
	6476' to 6484'	8'	33
	Total Tubb	**26'**	**107**

16. TIH with 6400' of 2 7/8" L-80 tubing with CS1 10 M treating packer or equalivent. TIH and space out to set the packer at an approximate depth of 6400' (minimum of 50' above the top perforation). Reverse out excess acid then set the packer.

17. RU Schlumberger treating services. Install 10 M PSIG WP frac valve on the tubing. Install treating line with nitrogen actuated relief valve. Test the treating line to 6000 PSIG and set the relief valve at 5000 PSIG. Lay a staked relief line from the casing. Load the backside and leave casing valve open throughout the treatment. Pump the acid breakdown as per the attached Schlumberger recommendation. Pump the treatment as follows at design rate of 3 - 4 BPM dropping 150, 1.1 SG, 7/8" ball sealers throughout the treatment. Do not exceed 4500 PSIG.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	**6000**	**PSIG**
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system. Burst pressure of 5 ½" casing.	**5320**	**PSIG**
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	**5000**	**PSIG**
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	**4500**	**PSIG**
MAXIMUM ANTICIPATED TREATING PRESSURE:	**4000**	**PSIG**

18. Monitor the well for 15 minutes. RD Schlumberger. After Schlumberger is off location bleed off any pressure on the tubing. Release the packer and TIH with the packer to knock off any ball sealers in the perforations. Space out to reset the packer at approximately 6400'. Swab back the load to determine productivity and to clean up the well prior to fracture treatment. Report swab tests using the morning report tab in the attached prepull spreadsheet. Collect water sample on the last swab run and deliver to Champion to perform water analysis.

19. Release the packer and TOOH with treating packer and tubing.

20. ND BOP's and NU 7 1/16" 5K PSIG frac spool and valve. Test the frac valve to 5,000 PSIG.

21. RU Schlumberger Puming Services to the 5,000 PSIG WP frac valve to sand frac the Tubb via 5 ½" J-55 casing. Test the treating line to 5,000 PSIG. Install preset relief valve to relieve at 4,500 PSIG. Pump the sand fracture treatment as per attached Schlumberger Services procedure. **The fracture treatement will not be tagged with a radioactive isotope.**

a.) Pump 1,000 gals (24 bbls) WF 135
b.) Pump 25,000 gals (595 bbls) YF135ST Pad containing 0.5 ppg 100 mesh sand
c.) Pump 4,000 gals (95 bbls) YF135ST Pad
d.) Pump 6,000 gals (143 bbls) YF135ST with 2 ppg 16/30 White Sand
e.) Pump 7,000 gals (167 bbls) YF135ST with 4 ppg 16/30 White Sand
f.) Pump 7,500 gals (179 bbls) YF135ST with 6 ppg 16/30 White Sand
g.) Pump 2,000 gals (48 bbls) YF135ST with 8 ppg 16/30 White Sand
h.) Pump 6,000 gals (143 bbls) YF135ST with 8 ppg 16/30 AcFrac CR-4000 with 5 gpt activator
i.) Pump 4,000 gals (95 bbls) Slick Water Flush (2 bbls short of top perf)

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	5000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system – Highest test pressure	4500	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : **300 psig less than 90% MAWP or,** **300 psig over MATP**	4500	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE (MATP): If reached, human action required.	4000	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	3300	PSIG

22. Shut down and record ISIP, 5, 10 and 15 minute pressures. Close the wellhead valve and disconnect Schlumberger from the wellhead.

23. After the well has been shut-in for 4 hours, flow back well into the temporary test tank until dead. RD frac valve and spool. If necessary, kill the well with 9.5 ppg treated brine water prior to rigging down frac valve. NU 5,000 PSIG WP BOP and test to 4,500 PSIG according to SOP's.

24. PU notched collar or bladed bit and TIH to reverse out resin coated frac sand down to 7600'. TOOH with tubing.

25. TIH with 2 7/8", L-80 production tubing with the open ended SN on bottom of the tubing and a 5 ½" tubing anchor catcher. The bottom joint to be polylined. Space the tubing out to set the seating nipple at approximately 6,520' or 30' below the bottom Tubb perforation with the anchor at approximately 6,400'.

26. ND the BOP stack and install the B-1 adapter flange. See attached pumping wellhead "Type 3" drawing (beam pumping configuration with a choke on the casing). Pump corrosion inhibitor down the tubing to coat the rods and pump as they are run in the hole. PU 15' extended neck strainer nipple on the bottom of the 1.25" RHBC HVR Type "A" pump on 7/6 Class "KD" rod string and RIH to place on beam pump. (**See attached Tubb Beam Pump Design. The existing Lufkin 640-305-120 pumping unit will be used to pump the Tubb.** Install pump-off controller. RD and move off.

27. Notify Champion prior to placing the well on production. As soon as the well is started have it placed on scheduled CI truck treatments. Schedule a backside scale squeeze as soon as the fluid level is pumped off.

28. Operator to submit a change of status form for new production. Report daily well tests and fluid levels to the Midland office for 30 days or until it pumps off and the production rate has stabilized. Use the attached prepull spreadsheet for test reporting.