

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No 1004-0137  
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.**

5. Lease Serial No.  
LC 031695B

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.

1. Type of Well

☒ Oil Well

☐ Gas Well

☐ Other

8. Well Name and No.  
Warren Unit #25

2. Name of Operator  
ConocoPhillips Company

9. API Well No.  
30-025-07858

3a. Address  
P.O. Box 51810  
Midland, Texas 79710-1810

3b. Phone No. (include area code)  
432-688-6913

10. Field and Pool or Exploratory Area  
Warren McKee Simpson

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FSL & 2310' FEL, Sec 29, T20S, R38E

11. Country or Parish, State  
Lea County, 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 respectfully submits the attached procedure to attempt a recompletion in the above referenced well into the Tubb formation with perforations from 6415'-6425' and 6620'-6625'

Recomplete By 10/1/09

RECEIVED

MAR 04 2009

HOBBSOCD

AFTER RECOMPLETION AND TESTING  
PLEASE SUBMIT 3160-4 COMPLETION  
REPORT FOR THE Production  
INTERVAL(S) WITHIN 30 DAYS

LAST prod. 8/94 WZU

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

Title Regulatory Specialist

Signature

Date 01/21/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ JD Whitlock Jr

Title LPE-1

Date

2/2/09

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

CFO

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.

Warren Unit #25  
Recomplete to Tubb

**AFE Number:** WA5.CNM.0424

**API Number:** 30-025-07858

**Field:** Warren

**Location:** 990' FSL & 2310' FEL, Sec. 29, T-20-S, R-38-E, Lea County, NM

**Depths:** TD = 9218' PBDT = 8971'

**Elevation:** GL = 3515' DF = 3525' (Ref) KB = 3526'

**Casing Data:**

**Existing & Proposed Casing, Tubing and Packer Information**

	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.	10 3/4"	263'	10.192/10.036	32.75	H-40	1820	1583	880	838	.1009
Int. Csg	7 7/8"	3354'	7.025/6.900	24	H-40	2750	2391	2040	1943	.0479
Int. Csg	7 7/8"	4000'	6.969/6.844	26.4	N-80	6020	5235	3400	3238	.0471
Prod. Csg	5 1/2"	4007'	4.950/4.825	15.5	J-55	4810	4183	4040	3848	.0238
Prod. Csg	5 1/2"	7617'	4.892/4.767	17	N-80	7740	6730	6280	5981	.0232
Prod. Csg	5 1/2"	9215'	4.892/4.767	17	J-55	5320	4626	4910	4676	.0232
Prod. Tbg	2 3/4"	5570'±	2.441/2.347	6.5	J-55	7260	6313	7680	7314	.00579

Top of Cement: 5700' by temperature survey

Casing Fluid: 2% KCl (0.438 psi/ft)

**Proposed Cased Hole Perforations**

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Reservoir Temp
Tubb	6415-6425'	.8	10	4	60°	No	40	2983	104°
Tubb	6620-6625'	.8	5	4	60°	No	20	3078	104°

Correlation Log: PGAC Simultaneous Radiation Log dated 4/29/1958

Gun Type: 3 1/8" High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37")

**Prepared by: David McPherson/Jack Lowder: Production Engineers, Permian Group**  
**Mobile: 1(903) 316-4272 Home: 1(903) 894-3547**

## GENERAL NOTES

1. No project or task is to be performed unless it can be done safely and without harm to the environment. All work must comply with all State and Federal regulations and with COPC Safety and Environmental Policies.
2. Conduct daily safety meetings and review all procedures with all contractors prior to performing the operation.
3. Report all activity on the WellView Daily Completion Work-Over Report.
4. Insure contractors are familiar with and comply with all relevant COPC safety/environmental policies.
5. Spills are to be prevented. Utilize a vacuum truck as necessary.
- 6. All references to 2% KCl water is powdered 2% KCl.**
7. Throughout the entire completion process, any fluids from the well-bore that are displaced or produced must be sent through the flow-back equipment so that the fluids can be properly disposed.
8. Verify that all pressured lines and fittings meet or exceed the MPSP (Maximum Predicted Surface Pressure) for the treatment lines of **5500** psi for the pressure test during stimulation operations. Maximum treatment pressure during the frac jobs will be **5500** psi. MPSP from the zone should not be greater than 2000 psi before & after stimulation operations of the Tubb zone.
9. Well control for this well will be Class 2, Category 1 before and after stimulation. Expected Shut in Casing Pressures (SICP) before & after stimulation should not exceed 600 psi.

### Mid-Continent / Permian / Hobbs East Contact List:

Reservoir Engineer:	D. Pecore	832-486-2145
Geologist:	G. Borges	832-486-2606
Production Engineer:	J. Lowder	432-368-1609
Facilities Engineer Tech:	L. Johansen	432-368-1223
Operations Supervisor:	J. Coy	575-391-3127
Projects Planner:	D. Garrett	432-368-1410
Production Foreman:	V. Mackey	575-391-3129

**Recommended Procedure**

1. MIRU well service unit. ND wellhead and NU BOPs and test. Load casing with 9 ppg brine, test to 600 psi, and hold for 30 minutes. Haul in 2 $\frac{7}{8}$ ", 6.5# production tubing for use as a workstring.
2. PU and TIH with 4 $\frac{3}{4}$ " bit and casing scraper on 2 $\frac{7}{8}$ ", 6.5# production tubing as workstring to 6950'±, circulating well clean with 2% KCL water. TOOH with 2 $\frac{7}{8}$ " workstring, casing scraper, and bit. Lay down bit and casing scraper. Stand back 2 $\frac{7}{8}$ " workstring.
3. MIRU Schlumberger wireline. RU 1000 psi lubricator. Run GR-CBL-CCL log from 6950'± to 3500'±. Correlate to PGAC Simultaneous Radiation Log dated 4/29/1958. Call engineer with top of cement per CBL log (TOC at 5700' by temperature survey). Dump bail 35' of cement on top of RBP @ 8971'. RIH and set CIBP @ 6900'±. Perforate the Tubb from 6415-6425' and 6620-6625' with 4 SPF, 60° phasing (60 holes), using 3 $\frac{3}{8}$ " High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37")
4. RDMO wireline and lubricator.
5. PU 3 $\frac{1}{2}$ " workstring and TIH with 5 $\frac{1}{2}$ " packer. Test 3 $\frac{1}{2}$ " workstring to 8,000 psi while TIH. Set packer at 6380'±.
6. Spot two 500 bbl clean, lined frac tanks and fill frac tanks with 2% KCl. Add biocide to the first load of each tank. Design = 898 bbls total. At 20,000 gallons of useable fluid per tank, that would be 2 tanks; the excess will be 54 bbls.
7. MIRU Schlumberger pumping services equipment. RU and test all lines to 7,500 psi and monitor for 5 min. Make sure the pressure does not decrease more than 300 psi over the 5 min. Pressure up casing / tubing annulus to 300 psi and monitor during job.
8. Pump acid ballout using 1500 gal of 15% HCl acid with 75 1.1 SG Bio-balls spaced out in the acid. When acid is on perms, bring rate up to 16-17 BPM, displacing with 3000 gal of WF110. Surge the well 3-4 times to dislodge balls. Shut down for 15 minutes to allow balls to fall.  
  
Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.
9. Pump Fluid Efficiency Test at 20 BPM with the lesser of either 4500 gal or once a stabilized pressure has been observed, and then commence step down with WF110.
10. Shut in for FET analysis.
11. Fracture treat the Tubb with 20,500 gal of YF125ST containing 41,000 lbs of 20/40 Jordan sand + PropNET as per attached treating schedule. Set treating line pop off at 7000 psi. Set pump trips at 6800 psi. Set annulus pop off at 600 psi. Frac at 25± BPM with maximum wellhead treating pressure of 5500 psi.
12. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.
13. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. TOOH with 5 $\frac{1}{2}$ " packer and 3 $\frac{1}{2}$ " workstring. Lay down 3 $\frac{1}{2}$ " workstring and packer.

Warren Unit #25  
Recomplete to Tubb

14. TIH with 4<sup>3</sup>/<sub>4</sub>" bit on 2<sup>7</sup>/<sub>8</sub>" workstring to CIBP @ 6900'±. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2<sup>7</sup>/<sub>8</sub>" workstring.
15. TIH with 2<sup>7</sup>/<sub>8</sub>" production tubing per tubing design in WellView. Place the EOT at 6656'± with the tubing anchor at 6365'±. Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)
16. ND BOPs and NU wellhead. RIH with pump and rods per rod design in WellView. Space and hang well on. Load tubing and check pump action.
17. RDMO well service rig. Release any ancillary equipment. Clean up location.
18. Turn well over to Operations. Place well on production. Report well tests on morning report. Place stabilized well test in FieldView. Contact chemical representative to place well on corrosion inhibition and scale squeeze program if needed. Submit change of status report.

# WARREN UNIT McKEE #25

## CURRENT WELLBORE DIAGRAM

**API #:** 30-025-07858  
**FIELD:** Warren McKee  
**CO ST:** Lea, NM **AREA:** Hobbs East  
**SECTION:** 29 **TOWNSHIP:** 20S **RANGE:** 38E  
**LOCATION:** 990' FSL & 2310' FEL  
**DATES:** **SPUD:** 3/4/58 **IC:** 5/9/58  
**LATEST RIG WORKOVER:** 6/7/96  
**DIAGRAM REVISED:** 8/18/08 by D. McPherson

	CASING			TUBING
Hole Size				
Pipe Size	10 3/4"	7 7/8"	5 1/2"	2 7/8"
Weight	32.75#	24#	17#	6.5#
Grade	H-40	H-40	J-55	J-55
Thread	10V	8rd	8rd	8rd.
Depth	263'	4000'	9215'	6656'±

**ELEVATION:** GR - 3525', KB 3538'  
**TREE CONNECTION:**

10 3/4" @ 263' cmt w/ 250 sxs

7 7/8" @ 4000' cmt w/ 3350 sxs

TAC @ 6365'±

PERFS. 6415-6425', 6620-6625'

CIBP @ 6900'±

35' Cement on top of RBP  
 RBP @ 8971' (6/6/96)

PERFS: 9030-32', 9053-55', 9070-72', 9092-94',  
 9104-06', 9118-20', 9130-32' (4 SPF)

5 1/2" @ 9215' cmt w/ 675 sxs

## COMMENTS

TD

9218