

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

<31488>

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

Unit D

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 recompleate 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 recompleation 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 recompleation in the above referenced well into the Tubb formation with perforations from 6415'-6425' and 6620'-6625'

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

PETROLEUM ENGINEER

Date

FEB 20 2009

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.

4625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210.

1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

FEB 10 2009

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-07858	² Pool Code 63280	³ Pool Name Warren: Tubb (Oil)
⁴ Property Code	⁵ Property Name Warren Unit	⁶ Well Number 25
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	⁹ Elevation 3515' GR

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
O	29	20S	38E		990	South	2310	East	Lea, NM

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 40	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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.

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	<p align="center">17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><u>Justin C Firkins</u> 01/28/2009 Signature Date</p> <p><u>Justin C Firkins</u> Printed Name</p>
<p align="center"> + + + + + Warren Unit 25 • + + + + + </p>	<p align="center">18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>Certificate Number _____</p>

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 $\frac{3}{4}$ "	263'	10.192/10.036	32.75	H-40	1820	1583	880	838	.1009
Int. Csg	7 $\frac{7}{8}$ "	3354'	7.025/6.900	24	H-40	2750	2391	2040	1943	.0479
Int. Csg	7 $\frac{7}{8}$ "	4000'	6.969/6.844	26.4	N-80	6020	5235	3400	3238	.0471
Prod. Csg	5 $\frac{1}{2}$ "	4007'	4.950/4.825	15.5	J-55	4810	4183	4040	3848	.0238
Prod. Csg	5 $\frac{1}{2}$ "	7617'	4.892/4.767	17	N-80	7740	6730	6280	5981	.0232
Prod. Csg	5 $\frac{1}{2}$ "	9215'	4.892/4.767	17	J-55	5320	4626	4910	4676	.0232
Prod. Tbg	2 $\frac{7}{8}$ "	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 $\frac{1}{8}$ " 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 that 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 perfs, 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 $\frac{3}{4}$ " bit on 2 $\frac{7}{8}$ " workstring to CIBP @ 6900'±. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2 $\frac{7}{8}$ " workstring.
15. TIH with 2 $\frac{7}{8}$ " 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.