

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.
LC031695B **31670 B**
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ConocoPhillips Company

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

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

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

8. Well Name and No.
Warren McKee #128

9. API Well No.
30-025-34158

10. Field and Pool or Exploratory Area
Warren Unit **McKee**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1250 F&L & B&B FEL, Sec 29, T20, R38
330 North 1650 East Unit - B

11. Country 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 respectfully submits the attached procedure to amend the previously approved recompletion from the Abo formation to the Drinkard formation with Perforations at 6575-6900'.

This work will be completed by the end of 2009.

After **DEC 31 2008** the well must be online or plans to P & A must be submitted.

RECEIVED

AUG 28 2009

HOBBSOCD

ACCEPTED FOR RECORD

AUG 26 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Title Regulatory Specialist

Signature

Date 07/22/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

Date

SEP 01 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

Warren Unit McKee #128
Recomplete to Drinkard Zone

AFE Number: WA5.RFE.CHB9.01

API Number: 30-025-34158

Field: Warren-McKee

Location: 1350' FSL & 848' FEL, Sec. 29, T-20-S, R-38-E, Lea County, NM

Depths: TD = 10,294' PBTD = 7,681'

Elevation: GR = 3,539' KB = 3,556'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight t	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Int. Csg.	10 3/4"	2997'	10.050/9 894	40.4#	K-55	3130	2722	1580	1505	.0981
Prod. Csg	7 7/8"	9320'	6 875/6 75	29.7#	L-80	6890	5991	4790	4562	.0459
Prod. Tbg	2 7/8"	5570'±	2.441/2.347	6.5#	L-80	10570	9191	11170	10638	.00579

Top of Cement: Unknown

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
	6756-6760'	.80	4	2	60°	No	8	3142	104°
Drinkard	6790-6795'	.80	5	2	60°	No	10	3157	104°
	6810-6815'	.80	5	2	60°	No	10	3167	104°
	6825-6829'	.80	4	2	60°	No	8	3174	104°
	6850-6854'	.80	4	2	60°	No	8	3185	104°
	6895-6900'	.80	4	2	60°	No	8	3206	104°
							52		

Correlation Log: BPB Compensated Neutron log dated 3/24/98

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

Prepared by: David McPherson/Jack Lowder: Panhandle/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 Drinkard 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 workover unit. ND wellhead and NU BOP's and test. POOH with 2 $\frac{7}{8}$ " tubing. Scan tubing while POOH. If tubing is acceptable, use 2 $\frac{7}{8}$ ", 6.5#, L-80 production tubing as workstring, and haul in enough workstring for bit run in Step #2. If tubing is unacceptable, lay down 2 $\frac{7}{8}$ ", 6.5#, L-80 tubing, send tubing in for inspection, place all inspected yellow and blue band tubing in COPC inventory, and haul in 6900'± of 2 $\frac{7}{8}$ ", 6.5#, L-80 production tubing and enough workstring for bit run in Step #2.
 2. PU and RIH with 6 $\frac{5}{8}$ " bit on 2 $\frac{7}{8}$ ", 6.5# production tubing as workstring to 7681'±, circulating well clean with 2% KCL water. Test 2 $\frac{7}{8}$ " workstring to 7500 psi while TIH. POOH with 2 $\frac{7}{8}$ " workstring and bit. Lay down drill bit.
 3. TIH and latch onto RBP and POOH. TIH open ended and spot a 200' cement plug from 9220-9420'. POOH.
 4. MIRU Schlumberger wireline. RU 1000 psi lubricator. Run GR-CBL-CCL log from 7681'± to 3500'±. Correlate to BPB Compensated Neutron log dated 3/24/98. Notify production engineer of top of cement behind 7 $\frac{5}{8}$ " casing. Set CIBP at 7500'±. Dump bail 35' of cement on top of CIBP @ 7500'±. Perforate the Drinkard from 6756-6760', 6790-6795', 6810-6815', 6825-6829', 6850-6854', and 6895-6900' with 60° phasing 2 SPF (52 holes), using 3 $\frac{3}{8}$ " High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37").
 5. RDMO wireline and lubricator.
 6. PU 3 $\frac{1}{2}$ " workstring and RIH with 7 $\frac{5}{8}$ " packer. Test 3 $\frac{1}{2}$ " workstring to 7,500 psi while RIH. Set packer at 6700'±.
 7. Spot three 500 bbl clean, lined frac tanks and fill frac tanks with 2% KCl. Add biocide to the first load of each tank.
 8. MIRU Schlumberger pumping services fracturing 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.
 9. Perform acid ballout with 1500 gals 15% HCl acid @ 6 bpm with 65± 1.3 SG bio balls as per attached procedure. Surge the well 2-3 times to dislodge balls. Shut down for 30 minutes to allow balls to fall.
- Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.
10. Fracture treat the Drinkard with 27,000 gal of YF125ST containing 13,500 lbs of 16/30 Jordan Unimin and 51,500 lbs. of 16/30 Super LC sand as per attached treating schedule. Set treating line pop off at 7000 psi. Set pump trips at 6500 psi. Set annulus pop off at 700 psi. Frac at 30± BPM with maximum wellhead treating pressure of 5500 psi.

11. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger pumping services equipment.
12. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. POOH with 7 $\frac{5}{8}$ " packer and 3 $\frac{1}{2}$ " workstring. Lay down 3 $\frac{1}{2}$ " workstring.
13. TIH with 6 $\frac{5}{8}$ " bit on 2 $\frac{7}{8}$ " workstring to PBTD @ 7646'±. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2 $\frac{7}{8}$ " workstring.
14. RIH with the 2 $\frac{7}{8}$ ", 6.5# L-80 production tubing (per tubing design in WellView). Place the EOT at 6930'± with the tubing anchor at 6700'±. Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)
15. ND BOP's and NU wellhead. RIH with pump and rods (per rod design in WellView). Space and hang well on. Load tubing and check pump action.
16. RDMO well service rig. Release any ancillary equipment. Clean up location.
17. 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 #128

Warren Unit B-29 Simpso 128

CURRENT WELLBORE DIAGRAM

API #: 30-025-34158

FIELD: Warren McKee Simpson

CO ST: Lea, NM

AREA: Hobbs East

SECTION: 29 TOWNSHIP: 20S RANGE: 38E

LOCATION: 1350' FSL & 848' FEL

DATES: SPUD: 2/17/98 IC: 8/13/98

LATEST RIG WORKOVER: 6/24/05

DIAGRAM REVISED: 9/24/08 by D. McPherson

13 $\frac{3}{8}$ " @400'; cmt w/ 440 sxs

TOC @ 1430'

10 $\frac{3}{4}$ " @ 2997'; cmt w/ 455 sxs

RBP @ 7681' (6/24/05)

7 $\frac{5}{8}$ " @ 9320'; cmt w/ 2330 sxs

Open hole section 9320-10294'

TD

10294'

CASING**TUBING**

Hole Size	17 $\frac{1}{2}$ "	12 $\frac{1}{4}$ "	9 $\frac{5}{8}$ "		
Pipe Size	13 $\frac{3}{8}$ "	10 $\frac{3}{4}$ "	7 $\frac{5}{8}$ "		2 $\frac{7}{8}$ "
Weight	48#	40 4#	29.7#		6.5#
Grade	H-40	K-55	L-80		L-80
Thread					
Depth	400'	2997'	9320'		

ELEVATION: GR: 3539', KB 3556'

TREE CONNECTION:

Tubing Description**Length****From****To**

Elevation	15.00	0.00	15.00
240 Jts 2 $\frac{7}{8}$ " 6.5# L-80 tubing	7645.88	15 00	7660.88
SN	1.10	7660.88	7661.98
X-over	0.45	7661.98	7662.43
On/Off tool	3.73	7662.43	7666.16

Rod Description**Length****From****To**

None			
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Pump Unit: None

COMMENTS1. KOP 7800 \pm

WARREN UNIT McKEE #128

Warren Unit B-29 Simpson 128

PROPOSED WELLBORE DIAGRAM

API #: 30-025-34158

FIELD: Warren McKee Simpson

CO ST: Lea, NM

AREA: Hobbs East

SECTION: 29

TOWNSHIP: 20S

RANGE: 38E

LOCATION: 1350' FSL & 848' FEL

DATES: SPUD: 2/17/98

IC: 8/13/98

LATEST RIG WORKOVER: 6/24/05

DIAGRAM REVISED: 07/13/09 by D. McPherson

13 3/8" @ 400'; cmt w/ 440 sxs

TOC @ 1430'

10 3/4" @ 2997'; cmt w/ 455 sxs

TAC @ 6700'±

PERFS: 6756-6760', 6790-6795'

PERFS: 6810-6815', 6825-6829'

PERFS: 6850-6854', 6895-6900'

EOT @ 6900'±

35' Cmt on top of RBP

CIBP @ 7500'±

7 7/8" @ 9320'; cmt w/ 2330 sxs

Open hole section 9320-10294'

CASING

TUBING

Hole Size	17 1/2"	12 1/4"	9 5/8"		
Pipe Size	13 3/8"	10 3/4"	7 7/8"		2 7/8"
Weight	48#	40.4#	29.7#		6.5#
Grade	H-40	K-55	L-80		L-80
Thread					
Depth	400'	2997'	9320'		6900'±

ELEVATION: GR: 3539', KB 3556'

TREE CONNECTION:

COMMENTS

1. KOP 7800'±

TD

10294'