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Form 3160-5
(August 2007)

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.

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

5. Lease Serial No.
LC 031695B

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
Warren Unit #22

2. Name of Operator
ConocoPhillips Company

9. API Well No.
30-025-07854

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

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
2090' FSL & 2090' FWL, 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			
☑ 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 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 into the Drinkard and Tubb Formations from 6503-6932'

Recomplete well By 10/1/09

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

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 LPET

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.

(Instructions on page 2)

Warren Unit McKee #22
Recomplete to Tubb/Drinkard Zones

AFE Number: WA5.CNM.____

API Number: 30-025-07854

Field: Warren-McKee

Location: 2090' FSL & 2090' FWL, Sec. 29, T-20-S, R-38-E, Lea County, NM

Depths: TD = 9,207' PBTD = 7,565'

Elevation: GR = 3,519' KB = 3,532'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Int. Csg.	7⅝"	3998'	7.025/6.900	24#	H-40	2750	**2391**	2040	**1943**	.0479
Prod. Csg	5½	9206'	4.892/4.767"	17#	J-55	5320	**4626**	4910	**4676**	.0232
Prod. Tbg	2⅞"	5570'±	2.441/2.347	6.5#	J-55	7260	**6313**	7680	**7314**	.00579

Top of Cement: 5450' (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	6503-6508'	.75	5	4	60°	No	20	3024	106°
	6607-6611'	.75	4	4	60°	No	16	3072	106°
Drinkard	6794-6800'	.8	6	4	60°	No	24	3159	110°
	6868-6878'	.8	10	4	60°	No	40	3194	110°
	6925-6932'	.8	7	4	60°	No	28	3220	110°

Correlation Log: Welex Jet Services Radioactivity log dated 9/10/57
Gun Type: 3⅛" High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37")

Prepared by: David McPherson: Contract Production Engineer, 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 Tubb/Drinkard zones.

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 700 psi, and hold for 30 minutes. Haul in 2⅞", 6.5# production tubing for use as a workstring.

2. PU and RIH with 4¾" bit on 2⅞", 6.5# production tubing as workstring to 7565'±, circulating well clean with 2% KCL water. POOH with 2⅞" workstring and bit. Lay down drill bit.

3. MIRU Schlumberger wireline. RU 1000 psi lubricator. Run GR-CCL log from 7565'± to 3500'±. Correlate to Jet Services Radioactivity log dated 9/10/57. Perforate the Drinkard from 6794-6800', with 4 SPF, 60° phasing (24 holes), 6868-6878' (40 holes), and 6925-6932' (28 holes) with 4 SPF, 60° phasing using 3⅜" High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37").

4. RDMO wireline and lubricator.

5. PU 3½" workstring and RIH with 5½" packer. Test 3½" workstring to 8,000 psi while RIH. Set packer at 6750'±.

6. Spot three 500 bbl clean, lined frac tanks and fill frac tanks with 2% KCl. Add biocide to the first load of each tank. Design = 1238 bbls total. At 20,000 gallons of useable fluid per tank, that would be 3 tanks; the excess will be 190 bbls.

7. 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 that 300 psi over the 5 min. Pressure up casing / tubing annulus to 300 psi and monitor during job.

8. Perform acid ballout with 1500 gals 15% HCl acid @ 6 bpm with 115± 1.1 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.

9. Fracture treat the Drinkard with 33,000 gal of YF125ST containing 60,000 lbs of 20/40 resin coated 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.

10. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.

11. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. POOH with 5½" packer and 3½" workstring. Stand back 3½" workstring.

12. MIRU Schlumberger wireline. RU 1000 psi lubricator. TIH and set composite plug @ 6700'±. Perforate the Tubb from 6503-6508', with 4 SPF, 60° phasing (20 holes), and 6607-6611' with 4 SPF, 60° phasing (24 holes), using 3⅜" High Shot Density, 34JL Ultrajet, HMX 22.7g, (API 19B: Pen – 28.94", EHD - 0.37").

13. RDMO wireline and lubricator.

14. PU 3½" workstring and RIH with 5½" packer. Test 3½" workstring to 8,000 psi while RIH. Set packer at 6450'±.

15. Fill three 500 bbl clean, lined frac tanks and fill frac tanks with 2% KCl. Add biocide to the first load of each tank. Design = 1142 bbls total. At 20,000 gallons of useable fluid per tank, that would be 3 tanks; the excess will be 285 bbls.

16. 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 that 300 psi over the 5 min. Pressure up casing / tubing annulus to 300 psi and monitor during job.

17. Perform acid ballout with 1000 gals 15% HCl acid @ 6 bpm with 120± 1.1 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.

18. Fracture treat the Tubb with 28,700 gal of YF125ST containing 50000 lbs of 20/40 resin coated 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.

19. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.

20. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. POOH with 5½" packer and 3½" workstring. Lay down 3½" workstring.

21. TIH with 4¾" bit on 2⅞" workstring to 6700'±. Drill out composite plug. Continue GIH to 7565'±. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2⅞" workstring.

22. RIH with the 2⅞" production tubing (per tubing design in WellView). Place the EOT at 6963'± with the tubing anchor at 5834'±. Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)

23. 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.

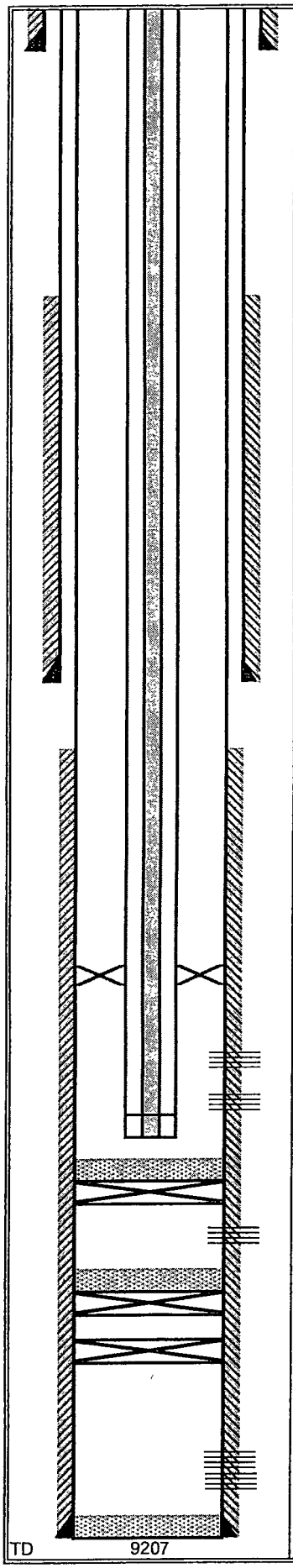
24. RDMO well service rig. Release any ancillary equipment. Clean up location.

25. 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 #22

CURRENT WELLBORE DIAGRAM

API #:	30-025-07854				
FIELD:	Warren McKee				
CO ST:	Lea, NM		**AREA:** Hobbs East		
SECTION:	29	**TOWNSHIP:**	20S	**RANGE:**	38E
LOCATION:	2090' FSL & 2090' FWL				
DATES:	**SPUD:** 7/12/57		**IC:** 9/3/57		
	LATEST RIG WORKOVER:		10/17/01		
	DIAGRAM REVISED:		12/15/08 by D. McPherson		



10¾" @ 256' cmt w/ 250 sxs

TOC @ 1375' (Temp Survey)

7⅝" @ 3998' cmt w/ 700 sxs

TOC @ 5450' (Temp Survey)

TAC @ 6453'±

PERFS: 6503-6508', 6607-6611'

PERFS: 6794-6800', 6868-6878', 6925-6932'

35' cmt on top
CIBP @ 7600' (10/17/01)

PERFS: 7646-70' (Strawn)

35' cmt on top
CIBP @ 8890' (10/31/01)

Locset plug @ 8904' (6/9/96)

PERFS: 8954-60', 8963-73', 8985-9020', 9024-34'
9038-48', 9052-79' (10/23/99)
PERFS: 8965-66', 8976-77', 8998-99', 9025-26'; 9035-36'
9049-50', 9071-72', 9108-09', 9123-24' (7/57)

5½" @ 9206' cmt w/ 230 sxs

	CASING				TUBING
Hole Size	13¾"	9⅞"	6¾"		
Pipe Size	10¾"	7⅝"	5½"		2⅞"
Weight	32.75#	24#	17#		6.5#
Grade	H-40	H-40	J-55		J-55
Thread	8rd	8rd	8rd		
Depth	256'	3998'	9206'		6963'±

ELEVATION:	GR - 3519', KB 3532'
TREE CONNECTION:	

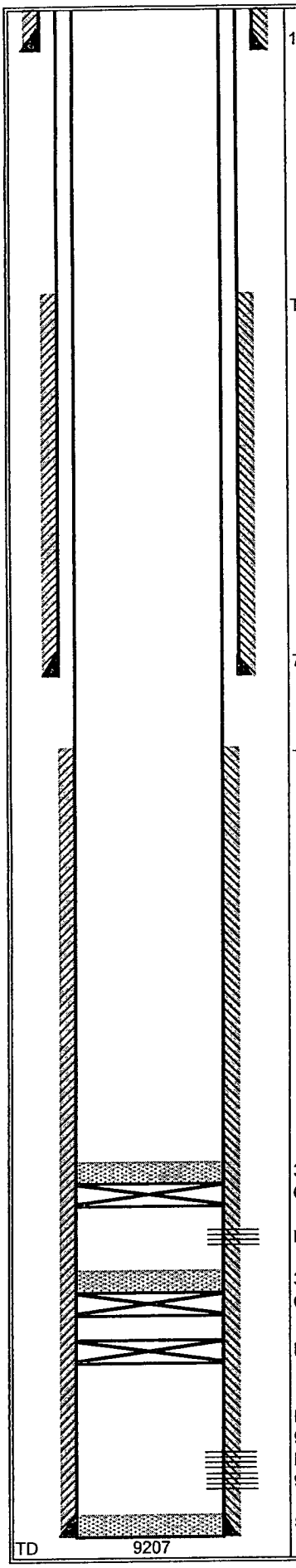
COMMENTS

1. McKee 335,609 BO; 498,755 Mcf; 15,154 BW

WARREN UNIT McKEE #22

CURRENT WELLBORE DIAGRAM

API #:	30-025-07854				
FIELD:	Warren McKee				
CO ST:	Lea, NM		**AREA:** Hobbs East		
SECTION:	29	**TOWNSHIP:**	20S	**RANGE:**	38E
LOCATION:	2090' FSL & 2090' FWL				
DATES:	**SPUD:** 7/12/57		**IC:** 9/3/57		
	LATEST RIG WORKOVER:		10/17/01		
	DIAGRAM REVISED:		9/23/08 by D. McPherson		



	CASING				TUBING
Hole Size	13¾"	9⅞"	6¾"		
Pipe Size	10¾"	7⅝"	5½"		none
Weight	32.75#	24#	17#		
Grade	H-40	H-40	J-55		
Thread	8rd	8rd	8rd		
Depth	256'	3998'	9206'		

ELEVATION:	GR - 3519', KB 3532'
TREE CONNECTION:	

Tubing Description	Length	From	To
None			

Rod Description	Length	From	To
None			

Pump Unit: None

COMMENTS

1. McKee 335,609 BO; 498,755 Mcf; 15,154 BW