

**RECEIVED**Form 3160-5  
(August 2007)

**FEB 10 2009**  
**HOBBES**  
 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.**

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Warren Unit
2. Name of Operator ConocoPhillips Company		8. Well Name and No. Warren Unit #83
3a. Address P.O. Box 51810 Midland, Texas 79710-1810	3b. Phone No. (include area code) 432-688-6913	9. API Well No. 30-025-26762
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2100' FSL & 1650' FWL, Sec 29, T20S, R38E		10. Field and Pool or Exploratory Area Blinberry/Fub OG
		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 into the Greyburg Formation from 3965-4065'

*Recomplete well By 10/1/09*

**AFTER RECOMPLETION AND TESTING  
 PLEASE SUBMIT 3160-4 COMPLETION  
 REPORT FOR THE \_\_\_\_\_  
 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 <i>Justin C. Firkins</i>	Date 01/21/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <i>/s/ JD Whitlock Jr</i>	Title <i>LPET</i>	Date <i>2/2/09</i>
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 <i>CFO</i>	

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 #083  
Recomplete to Grayburg

**AFE Number:** WA5-CNM-\_\_\_\_

**API Number:** 30-025-26762

**Field:** Blinbry Tubb O&G (most recently)

**Location:** 2100' FSL & 1650' FWL, Sec. 29, T-20-S, R-38-E, Lea County, NM

**Depths:** TD = 6200' PBTD = 5735'

**Elevation:** GR = 3519' KB = 3531'

**Casing Data:**

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

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Sur. Csg.	13 3/4	1398'	12.515/12.359	61#	K-55	3090	2687	1540	1467	.1521
Prod. Csg	5 1/2"	6200'	4.950/4.825	15 5#	K-55	4810	4183	4040	3847	.0238
Prod Tbg	2 7/8"	5230'±	2.441/2.347	6.5#	J-55	7260	6313	7680	7314	.00579

Top of Cement: surface

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
Grayburg	3965-4065'	.75	100	2	90°	No	200	1844	100°

Correlation Log: Dresser Atlas Dual Laterolog dated 5/24/80

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: 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 **6500** psi for the pressure test during stimulation operations. Maximum treatment pressure during the sand frac will be **5500** psi. MPSP from the zone should not be greater than 2400 psi before & after stimulation operations of the Grayburg 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 2400 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. POOH with rods & pump and lay down same. ND wellhead and NU BOP's and test. POOH with 2 $\frac{7}{8}$ " tubing.
2. MIRU Schlumberger wireline. RU 1000 psi lubricator. Run and set CIBP @ 4200'±. RU pump truck. Fill casing with 9.0 ppg water. Test casing and CIBP to 800 psi. RD pump truck. Dump bail 35' of cement on top of CIBP.
3. Perforate the Grayburg from 3965-4065' (200 holes) with 2 SPF 90° phasing, from top to bottom, using 3 $\frac{1}{8}$ " HEGS-DP 34B HJ II, 16.1 gram HMX, (API 19B: Pen – 18.5", EHD - 0.41"). RDMO wireline and lubricator.
4. MI&RU a Hydrotest service. PU & RIH with a 5 $\frac{1}{2}$ " packer on 3 $\frac{1}{2}$ " workstring. Pressure test workstring while running in well / below slips to 8,000 psi while RIH. Set packer at 3900'±.
5. Spot three 500 bbl clean, lined frac tanks and fill with 2% KCl. Add biocide to the first load of each tank.
6. 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.
7. Perform acid ballout with 3000 gals 15% HCl acid @ 6 bpm with 240± 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.
8. Fracture treat the Grayburg with 31,000 gal of YF125ST containing 50,000 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.
9. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger Iron.
10. Unseat packer. Tag for fill, reverse out any excess sand from tubing if flush volume not achieved. POOH with 5 $\frac{1}{2}$ " packer and 3 $\frac{1}{2}$ " workstring. Stand back 3 $\frac{1}{2}$ " workstring and packer.
11. TIH with 4 $\frac{3}{4}$ " bit on workstring to PBTD @ 4165'±. Do not drill cement plug. Circulate out any excess sand from frac jobs. When wellbore is clean POOH.
12. PU & RIH a TAC on 2 $\frac{7}{8}$ ", 6.5 lb/ft, J-55 tubing string (per Vernon Mackey).

13. RIH with the production tubing and place the EOT  $31' \pm$  below the bottom perforation (4065') with the tubing anchor set  $50' \pm$  above the top perforation (3965'). Maintain a dynamic fluid column (DFC) while running tubing. (Trickle some 2% KCl water down the tubing head valve.)
14. ND BOP's and NU wellhead. RIH with pump and rods (see Rodstar design). Space out and hang well on. Load tubing and check pump action.
15. RDMO well service rig. Release all ancillary equipment. Clean up location. Report all well work in Wellview.
16. Return well to Operations. Place well on production. Test well and report results in Fieldview.

# WARREN UNIT #083

## PROPOSED WELLBORE DIAGRAM

API #: 30-025-26762  
 FIELD: Blinbry O&G  
 CO ST: Lea, NM AREA: Hobbs East  
 SECTION: 29 TOWNSHIP: 20S RANGE: 38E  
 LOCATION: 2100' FSL & 1650' FWL  
 DATES: SPUD: 5/6/80 IC: 7/21/80  
 LATEST RIG WORKOVER: 5/14/96  
 DIAGRAM REVISED: 11/18/08 by D. McPherson

CASING			TUBING
Hole Size	17½"	7½"	
Pipe Size	13¾"	5½"	27½"
Weight	61#	15.5#	6.5#
Grade	K-55	K-55	J-55
Thread			8rd EUE
Depth	1398'	6200'	4096'±

ELEVATION: GR - 3519' KB - 3531'  
 TREE CONNECTION:

Tubing Description	Length	From	To
Elevation	12.00	0.00	12.00
128± jts 2½" 6.5# J-55 tubing	3903.00	12.00	3915.00
1 - 5-½x 2½" TAC	4.00	3915.00	3919.00
4± jts 2½" 6.5# J-55 tubing	115.00	3919.00	4034.00
1 - Tbg IPC	30.00	4034.00	4064.00
1 - 2½" SN	1.10	4064.00	4065.10
1 - SOPMA	31.00	4065.10	4096.10
Rod Description	Length	From	To
1 - 1¼" polished rod	22.00	-8.00	14.00
58± ¾" Norris KD-90 rods	1450.00	14.00	1464.00
96± ¾" Norris KD-90 rods	2400.00	1464.00	3864.00
4 - 1½" Flexbar K	200.00	3864.00	4064.00
1 - 1½" insert pump	16.00	4064.00	4080.00

Pump Unit: C-456-305-120

13¾" @ 1398' cmt w/ 1094 sxs to surface

TAC @ 3915'±  
 DV tool @ 3954'  
 2nd stage cmt w/ 2293 sxs to surface  
 PERFS: 3965-4065' (Grayburg)

35' cement on top of CIBP  
 CIBP @ 4200'±

Perfs: 4235-4255'; 4305-4315'; 4370-4380'; 5160-5200' (San Andres)

35' cement on top of CIBP  
 CIBP @ 5770' (5/14/96)

PERFS: 5803', 5811', 5816', 5824', 5842', 6025',  
 6045', 6068', 6072', 6127' (2 SPF 22 holes)  
 Acidized w/ 2300 gals 15% HCl NEFE  
 Frac'd w/ 16,000# 100mesh, 98,000# 20/40 SD  
 5½" @ 6200' 1st stage cmt w/ 597 sxs

### COMMENTS

- IP 45 BO, 10 Mcf
- Cum'd 35,047 BO, 122,688 Mcf, 24,078 BW

TD 6200'

# WARREN UNIT #083

## CURRENT WELLBORE DIAGRAM

API #: 30-025-26762  
 FIELD: Blinebry O&G  
 CO ST: Lea, NM AREA: Hobbs East  
 SECTION: 29 TOWNSHIP: 20S RANGE: 38E  
 LOCATION: 2100' FSL & 1650' FWL  
 DATES: SPUD: 5/6/80 IC: 7/21/80  
 LATEST RIG WORKOVER: 5/14/96  
 DIAGRAM REVISED: 11/18/08 by D. McPherson

	CASING		TUBING	
Hole Size	17½"	7⅞"		
Pipe Size	13⅜"	5½"		2⅞"
Weight	61#	15.5#		6.5#
Grade	K-55	K-55		J-55
Thread				8rd EUE
Depth	1398'	6200'		4328'

ELEVATION: GR - 3519' KB - 3531'  
 TREE CONNECTION:

Tubing Description	Length	From	To
Elevation	12.00	0.00	12.00
132 jts 2⅞" 6.5# J-55 tubing	4105.26	12.00	4117.26
Marker sub Tubing	8.12	4117.26	4125.38
2 jts 2⅞" 6.5# J-55 tubing	62.26	4125.38	4187.64
1 - 5-½x 2⅞" TAC	2.70	4117.26	4119.96
4 jts 2⅞" 6.5# J-55 tubing	124.96	4119.96	4244.92
1 jts 2⅞" Endura tubing	31.23	4244.92	4276.15
1 - 2⅞" SN	1.10	4276.15	4277.25
1 - Cavins de-sander	20.20	4277.25	4297.45
1 - Fiberglass mud anchor	29.25	4297.45	4326.70
1 - Purge valve	0.80	4326.70	4327.50
Rod Description	Length	From	To
1 - 1¼" polished rod	26.00	-14.00	8.00
73+ ⅞" Norris KD-90 rods	1833.00	8.00	1841.00
88 ¾" Norris KD-90 rods	2200.00	1841.00	4041.00
9 ¾" Norris KD-90 guided r	225.00	4041.00	4266.00
10 - 1½" Flexbar K	250.00	4266.00	4516.00
1 - 1½" insert pump	29.00	4516.00	4545.00
Pump Unit: C-456-305-120			

13⅜" @ 1398' cmt w/ 1094 sxs to surface

DV tool @ 3954'  
 2nd stage cmt w/ 2293 sxs to surface

TAC @ 4185±

Perfs: 4235-4255'; 4305-4315'; 4370-4380'; 5160-5200' (San Andres)

35' cement on top of CIBP  
 CIBP @ 5770' (5/14/96)

PERFS: 5803', 5811', 5816', 5824', 5842', 6025',  
 6045', 6068', 6072', 6127' (2 SPF 22 holes)  
 Acidized w/ 2300 gals 15% HCl NEFE  
 Frac'd w/ 16,000# 100mesh, 98,000# 20/40 SD  
 5½" @ 6200' 1st stage cmt w/ 597 sxs

### COMMENTS

- IP 45 BO, 10 Mcf
- Cum'd 35,047 BO, 122,688 Mcf, 24,078 BW

TD 6200'