

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 031695A

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 79710-1810

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 Unit #83

9. API Well No.
30-025-26762

10. Field and Pool or Exploratory Area
Blinberry/Tubb OG

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2100' FSL & 1650' 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			
<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 into the Greyburg Formation from 3965-4065'

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.

Title
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.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico

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 30-025-26762	² Pool Code 96343 ✓	³ Pool Name Warren: Grayburg-San Andres ✓
⁴ Property Code 31488	⁵ Property Name Warren Unit	⁶ Well Number 83
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	⁹ Elevation 3519' 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
K	29	20S	38E		2100	South	1650	West	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.
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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.

<div style="text-align: center;"> </div>	¹⁷ OPERATOR CERTIFICATION 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 <div style="display: flex; justify-content: space-between;"> <div> </div> <div>01/28/2009</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div> <div>Justin C. Firkins</div> <div>Printed Name</div>	
	¹⁸ SURVEYOR CERTIFICATION 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 <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor</div>	
	<div>Certificate Number</div>	

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' PBDT = 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 $\frac{3}{4}$	1398'	12.515/12.359	61#	K-55	3090	2687	1540	1467	.1521
Prod. Csg	5 $\frac{1}{2}$ "	6200'	4.950/4.825	15.5#	K-55	4810	4183	4040	3847	.0238
Prod Tbg	2 $\frac{7}{8}$ "	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 $\frac{1}{8}$ " 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'± below the bottom perforation (4065') with the tubing anchor set 50'± 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: 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	13⅝"	5½"	2⅞"
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 2⅞" 6.5# J-55 tubing	3903.00	12.00	3915.00
1 - 5-½x 2⅞" TAC	4.00	3915.00	3919.00
4± jts 2⅞" 6.5# J-55 tubing	115.00	3919.00	4034.00
1 - Tbg IPC	30.00	4034.00	4064.00
1 - 2⅞" 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± ⅞" 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			

13⅝" @ 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

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

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

TD 6200'