

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
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.
HOBBS OCD
JUL 18 2011**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC063458
2. Name of Operator CONOCOPHILLIPS		6. If Indian, Allottee or Tribe Name
3a. Address 330 NORTH "A" STREET BLDG 6 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No
3b. Phone No. (include area code) Ph: 432-688-6813		8. Well Name and No WARREN UNIT BLINEBRY-TUBB 93
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T20S R38E SESW 660FSL 1980FEL W		9. API Well No 30-025-27584
		10. Field and Pool, or Exploratory WARREN BLINEBRY/TUBB O&G
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK 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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input checked="" type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Warren #93 is currently on the Inactive List and planned for reactivation. See attached procedure.

After 8-15-11 the well must be online
or plans to P & A must be submitted.

NOTIFY WITHIN 5 day of well being placed on Production

14. I hereby certify that the foregoing is true and correct. Electronic Submission #106162 verified by the BLM Well Information System For CONOCOPHILLIPS, sent to the Hobbs	
Name (Printed/Typed) JALYN N FISKE	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 04/08/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>J. D. N. Lott</u>	Title <u>LPET</u>	Date <u>7/14/11</u>
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 <u>CFO</u>	

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

JUL 19 2011

Warren Unit #93
Reactivate as Grayburg-San Andres Water Supply Well

API Number 30-025-27584

Location 660' FSL & 1980' FWL; Sec. 33, T-20-S, R-38-E, Lea County, NM

Depths TD = 7000' PBTD = 5750'

Elevation GL = 3496' DF = 3506' KB = 3507' (reference datum)

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	9"	1400	8.921/8.765	36	K-55	3520	3061	2020	1924	.0773
Prod. Csg	7	6995	6.276/6.151	26	K-55	4980	4330	4320	4114	.0382
Prod. Tbg	2"	4300±	2.441/2.347	6.5	J-55	7260	6313	7680	7314	.00579

Top of Cement: 2050' by temperature survey on 3/2/1982

Casing Fluid: Fresh Water (0.433 psi/ft)

Proposed Perforations

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Anticipated Reservoir Temperature
Grayburg	4032-4037'	.75	6	2	60°	No	12	2070 psi	102°
Grayburg	4045-4059'	.75	15	2	60°	No	30	2070 psi	102°
Grayburg	4064-4088'	.75	25	2	60°	No	50	2070 psi	102°
Grayburg	4100-4104'	.75	5	2	60°	No	10	2070 psi	102°
San Andres	4115-4140'	.75	26	2	60°	No	52	2070 psi	102°
San Andres	4234-4271'	.75	38	2	60°	No	76	2070 psi	103°
San Andres	4308-4353'	.75	46	2	60°	No	92	2070 psi	103°
San Andres	4359-4398'	.75	40	2	60°	No	80	2070 psi	103°
San Andres	4430-4470'	.75	41	2	60°	No	82	2070 psi	103°
Total			242				484		

Correlation Log: Dresser Atlas Compensated Densilog/Compensated Neutron/Gamma Ray Log
dated 2/28/1982

Perforating System: 3 $\frac{3}{8}$ " HSD PowerJet 3406 HMX, (API RP 19B: Pen – 36.5", EHD - 0.37")

Recommended Procedure

1. Haul in and set pumping unit.
2. MIRU well service unit. ND wellhead and NU shop tested, Class 2 Hydraulic BOP and environmental tray. Set frac tank. Load casing with fresh water, test to 800 psi, and hold for 30 minutes. Haul in 4300'± of 2 $\frac{7}{8}$ ", 6.5#/ft, J-55 production tubing and enough rental 2 $\frac{7}{8}$ ", 6.5#/ft, J-55 workstring to spot cement at 5750'± in Step #3. Use production tubing as a workstring during well work.
3. PU and TIH with 2 $\frac{7}{8}$ ", 6.5 lb/ft, J-55 workstring open ended to 5750'±. Dump 35' of cement on top of RBP at 5750'. Pull up and spot cement plug from 5430-5280'. TOOH with 2 $\frac{7}{8}$ " workstring. Stand back enough 2 $\frac{7}{8}$ " workstring for bit trip to 4600'± in Step #4. LD and haul out remaining 2 $\frac{7}{8}$ " rental workstring.

4. TIH with 6 $\frac{1}{8}$ " bit on 2 $\frac{7}{8}$ " workstring to 4600'±, circulating well clean with fresh water. TOOH with 2 $\frac{7}{8}$ " workstring and 6 $\frac{1}{8}$ " bit. Stand back 2 $\frac{7}{8}$ " workstring in derrick. LD 6 $\frac{1}{8}$ " bit.
 5. MIRU Schlumberger wireline/perforating unit. RU 5000 psi lubricator w/ grease injector. Test lubricator to 4500 psi. Run GR-CCL log from 4600' to 3800' for correlation. Correlate to Dresser Atlas Compensated Densilog/Compensated Neutron/Gamma Ray Log dated 2/28/1982 (log section attached). Perforate the Grayburg from 4032-4037', 4045-4059', 4064-4088', 4100-4104', the San Andres from 4115-4140', 4234-4271', 4308-4353', 4359-4398', and 4430-4470' with 2 SPF, 60° phasing (484 holes, 0.37" diameter, 60 degree phasing), using Schlumberger 3 $\frac{3}{8}$ " HSD PowerJet 3406 HMX perforating system. Verify that all shots have fired after each perforating run. RDMO lubricator and wireline/perforating unit.
 6. PU and TIH with 7" RBP (with ball catcher) and 7" treating packer on 2 $\frac{7}{8}$ " workstring to 4500'±. Test workstring to 5000 psig while TIH. Set RBP at 4500'±. Set packer at 4190'±.
 7. MIRU pumping services equipment. RU and test all lines to 5000 psi and monitor for 5 min. Make sure pressure loss does not exceed 200 psi over 5 minutes. Monitor casing/tubing annulus pressure during treatment.
 8. Set treating line pop-off at 4500 psi. Set pump trips at 4200 psi. Set annulus pop-off at 700 psi. Acidize San Andres perforations 4234-4470' with 4116 gals (98 bbls) of 15% NEFE HCl (25± gals per perforated foot) at 6-10 BPM using 392 1.1 SG, MR Bio-Balls spaced out evenly in the acid (4 balls per bbl acid). When acid is on perms, bring rate up to 15 BPM. Acidize with maximum wellhead treating pressure of 4000 psi. Flush to 4470' with fresh water (27± bbls). Record ISIP. Attempt to surge balls off perforations three times and allow 30 minutes for balls to fall.
- NOTE: It is ConocoPhillips policy to have shower facilities on location when using acid.**
9. Unset treating packer, retrieve RBP, and set RBP at 4180'±. If unable to retrieve RBP and well will circulate, reverse circulate balls off of RBP to retrieve RBP. Set packer at 4000'±. Pressure up casing/tubing annulus to 300 psi and monitor casing/tubing annulus pressure during treatment.
 10. Set treating line pop-off at 5200 psi. Set pump trips at 5000 psi. Set annulus pop-off at 700 psi. Acidize Grayburg perforations 4032-4104' and San Andres perforations 4115-4140' with 3864 gals (92 bbls) 15% NEFE HCl acid (50± gals per perforated foot) at 6-10 BPM with 184 1.1 SG, MR Bio-Balls spaced out evenly in the acid (2 balls per bbl acid). When acid is on perms, bring rate up to 15 BPM. Acidize with maximum wellhead treating pressure of 4000 psi. Flush to 4140' with fresh water (21± bbls). Record ISIP. Attempt to surge balls off perforations three times and allow 30 minutes for balls to fall. Close Hydraulic master valve. RDMO pumping services equipment.
 11. RU swab equipment and swab test. RD swab equipment.
 12. Unset treating packer, retrieve RBP, and TOOH w/ RBP, packer, and 2 $\frac{7}{8}$ " workstring. Stand back 2 $\frac{7}{8}$ " production tubing used as workstring in derrick. LD RBP, treating packer and 2 $\frac{7}{8}$ " rental workstring. Haul in rods as per rod design in WellView. Haul out remaining 2 $\frac{7}{8}$ " rental workstring.

Warren Unit #93

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13. TIH with 27/8", 6.5 lb/ft, J-55 tubing per tubing design in WellView. Place the EOT at 4300'± with the tubing anchor set at 4000'±. Maintain a dynamic fluid column as needed while running tubing.
14. ND BOP and NU wellhead. RIH with pump and rods as per pump and rod design in WellView. Space out pump and hang well on. Load tubing and check pump action.
15. RDMO well service unit. Release ancillary surface equipment.
16. Turn well over to Operations and place well on production. Report well tests on morning report. Place stabilized well test in Avocet. Contact chemical representative to place well on corrosion inhibition program if needed. Submit change of status report.

Jack T. Lowder
2/22/2011