

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: <u>INJECTION</u>		5. Lease Serial No. NMLC031695B
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 3300 N "A" ST BLDG 6 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No. 891000601H
3b. Phone No. (include area code) Ph: 432-688-9171 Fx: 432-688-6019		8. Well Name and No. WARREN UNIT 80 <u>Blindry-TABB W</u>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T20S R38E SWNE 1980FNL 1980FEL		9. API Well No. 30-025-26642-00-S1
		10. Field and Pool, or Exploratory WARREN <u>B1-TABB Oil &amp; GAS</u>
		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 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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 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.)

run in w/bit &amp; scrapper to 5993' to 6115' Circ clean. Replace bad tbq.

RIH w/181 jts, 2 3/8", 4.7#, EUE8RD tbq & set @ 5642' w/pkr @ 5642'.  
9/13/12 Run MIT to 580#/30 mins - test good.  
attached is the Packer setting depth exception & MIT chart.

HOBBS OCD

MAR 26 2013

RECEIVED

R-6906 B

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #202028 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by KURT SIMMONS on 03/20/2013 (13KMS1973SE)	
Name (Printed/Typed) RHONDA ROGERS	Title STAFF REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 03/20/2013

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

Approved By <u>ACCEPTED</u>	JAMES A AMOS Title SUPERVISORY EPS	Date 03/24/2013
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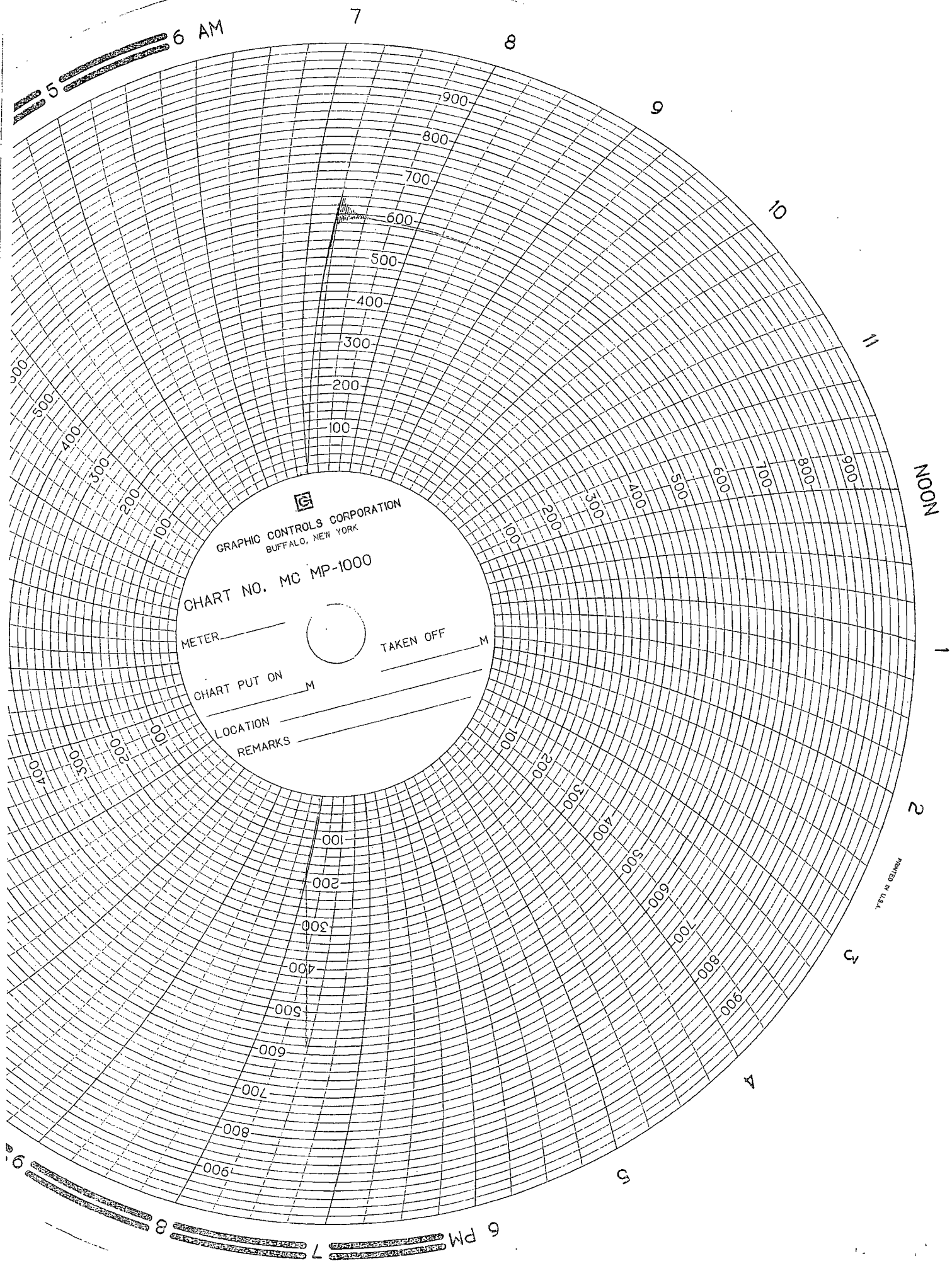
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

MAR 28 2013



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1000

METER \_\_\_\_\_

TAKEN OFF \_\_\_\_\_ M

CHART PUT ON \_\_\_\_\_ M

LOCATION \_\_\_\_\_

REMARKS \_\_\_\_\_

PRINTED IN U.S.A.

71.5

Warren unit # 80

9-13-2012

Serial # 738

CAL: 9-5-2012

Test To 580# For 30-min's.

*Paul Foster*

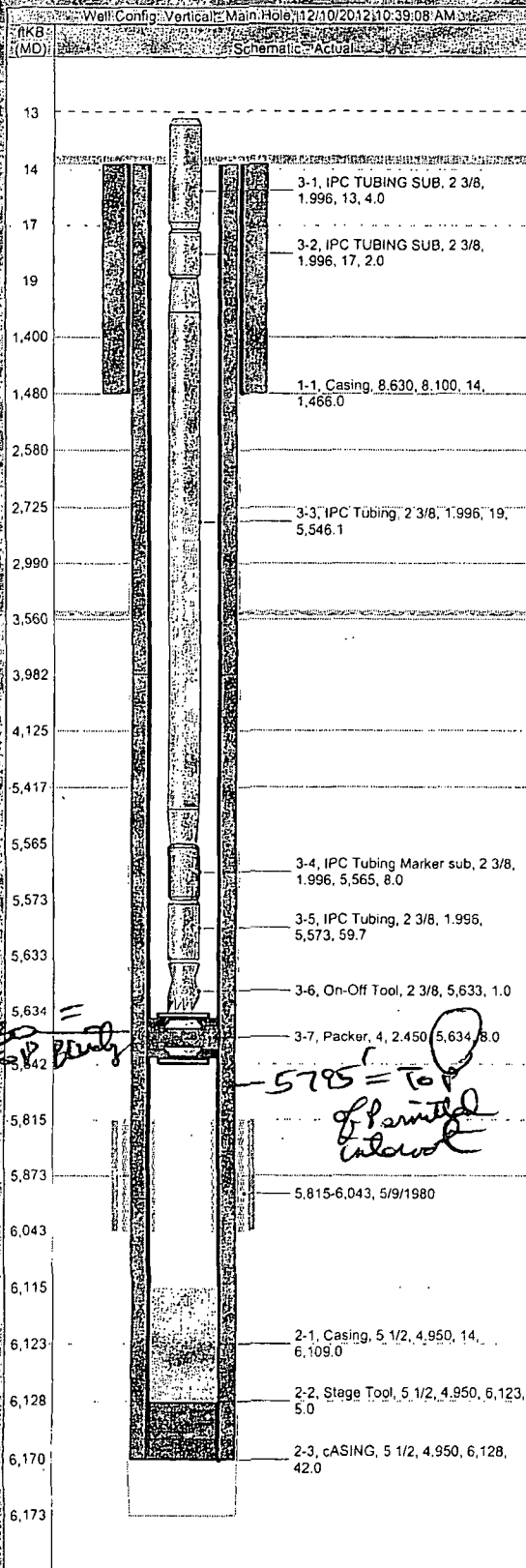
Well FOAM.

# DOWNHOLE WELL PROFILE REPORT

ConocoPhillips

Well Name: WARREN UNIT 080W

API / UWI 300252664200	Surface Legal Location SEC. 33, T20S, R38E	Field Name BLINEBRY	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 3,511.00	Original KB/RT Elevation (ft) 3,525.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft) 3,525.00	KB-Tubing Hanger Distance (ft) 3,525.00	



## Wellheads

Type

## Wellhead Components

Description	Make	WP (psi)	Service	Top WP (psi)	Top Ring Gasket	Min. Bore (in)
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## Casing Strings

### Surface Casing, 1,480.0 ft KB

Casing Description	Run Date	Set Depth (ft KB)	Length (ft)
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Surface Casing 4/6/1980 1,480.0 1,466.00

Item Description	Jts	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Top Thread	Section Length (ft)	Model
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Casing 34 8.63 8.100 24.00 K-55 STC 1,466.00

### Production Casing, 6,170.0 ft KB

Casing Description	Run Date	Set Depth (ft KB)	Length (ft)
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Production Casing 4/17/1980 6,170.0 6,156.00

Item Description	Jts	OD Nominal (in)	Nominal ID (in)	Wt (lbs/ft)	Grade	Top Thread	Section Length (ft)	Model
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Casing 156 5 1/2 4.950 15.50 K-55 LTC 6,109.00

Stage Tool 1 5 1/2 4.950 15.50 K-55 LTC 5.00

CASING 1 5 1/2 4.950 15.50 K-55 LTC 42.00

### Tubing - Production set at 5,642.0 ft KB on 9/13/2012 00:00

Tubing Description	Run Date	Set Depth (ft KB)	String Length (ft)
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Tubing - Production 9/13/2012 5,642.0 5,628.80

Item Description	Jts	OD Nominal (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Model
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IPC TUBING SUB 1 2 3/8 4.70 PC EUE 8RD 4.00 T&C Non-Upset

IPC TUBING SUB 1 2 3/8 4.70 PC 8rd 2.00 T&C Non-Upset

IPC Tubing 181 2 3/8 4.70 PC 8rd 5,546.05

IPC Tubing Marker sub 1 2 3/8 4.70 PC 8rd 8.00

IPC Tubing 2 2 3/8 4.70 PC 8rd 59.75

On-Off Tool 1 2 3/8 4.70 PC 8rd 1.00

Packer 1 4 4.70 PC 8rd 8.00

## Other Strings

String Description	Run Date	Set Depth (ft)	Pull Date	Pull Reason
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Retrievable Bridge Plug 5/12/2010 5/12/2010 5,728.0 5,730.0 5

FILL 5/12/2010 6,115.0 6,128.0 5

## Rods

Rod Description	Run Date	Set Depth (ft KB)	String Length (ft)
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2-1, Casing, 5 1/2, 4,950, 14, 6,109.0

2-2, Stage Tool, 5 1/2, 4,950, 6,123, 5.0

2-3, CASING, 5 1/2, 4,950, 6,128, 42.0

## Perforations

Date	Top (ft KB)	Bottom (ft KB)	Zone
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5/9/1980 5,815.0 6,043.0

## Stimulations & Treatments

### Fracture on 5/10/1980 00:00

Job	Type	Zone	Proppant Frm (lb)
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1st Stage Fracture 5,815.0 6,043.0

Jones, William V., EMNRD

2187

**From:** Rogers, Rhonda S <Rhonda.S.Rogers@conocophillips.com>  
**Sent:** Monday, September 10, 2012 1:57 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Warren Unit 80 injection well

Will, this injection well we went out on it and we got return of water thru the casing. We rigged up to avoid a spill and after we fixed it we pressure tested the tubing and the packer to 600# and it held. Rigged down and the water started up again. So we went in with an Casing integrity log and found the best place to place the packer would be at 5640'. Perfs are from 5815'-6043'. Top of Glorieta is at 5417' and top of Blinbry is at 5878'. So setting the packer @ 5640' would be 175' above the top perf, but within the Glorieta formation. We are requesting an exception to place the packer at this depth?

5630

5634

Thanks

*Blinbry*

Rhonda Rogers  
CONOCOPHILLIPS COMPANY/MCBU  
Staff Regulatory Technician  
Phone #: 432-688-9174  
Fax #: 432-688-6019  
[rogerrs@conocophillips.com](mailto:rogerrs@conocophillips.com)

**ConocoPhillips**

"There are many things in life that will catch your eye, but only a few will catch your heart...pursue those..."

**Jones, William V., EMNRD**

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**From:** Rogers, Rhonda S <Rhonda.S.Rogers@conocophillips.com>  
**Sent:** Friday, September 14, 2012 12:58 PM  
**To:** Jones, William V., EMNRD  
**Subject:** RE: Warren Unit 80 injection well

Will here is the question answered to the unitization of the Blinebry. Sorry for the confusion. I was going by tops filed with the original completion. Have a great weekend. Thanks

Base on the consistent geology correlations around Warren Unit.  
The top Blinebry for Warren Unit # 80 is 5630ft MD.  
So if we set the packer at 5640ft MD, it is still in the Blinebry Formation.

*Rhonda Rogers*  
*CONOCOPHILLIPS COMPANY/MCBU*  
*Staff Regulatory Technician*  
*Phone #: 432-688-9174*  
*Fax #: 432-688-6019*  
*[rogerrs@conocophillips.com](mailto:rogerrs@conocophillips.com)*

*"There are many things in life that will catch your eye, but only a few will catch your heart...pursue those..."*

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**From:** Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]  
**Sent:** Wednesday, September 12, 2012 4:02 PM  
**To:** Rogers, Rhonda S  
**Subject:** [EXTERNAL]RE: Warren Unit 80 injection well

Rhonda,  
Send the permit number allowing injection into that well.  
Send the top of the unitized interval (for waterflooding) – ask you Landman for this.  
Send a wellbore diagram showing how it will appear after the packer is moved up.

Maybe that will be enough.... Hum...

I will look at it and let you know.

Have a fun week –

Oops, have another emergency I am working on for Conoco in Farmington.  
Yikes.

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**From:** Rogers, Rhonda S [<mailto:Rhonda.S.Rogers@conocophillips.com>]  
**Sent:** Wednesday, September 12, 2012 7:32 AM

**Jones, William V., EMNRD**

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**From:** Jones, William V., EMNRD  
**Sent:** Monday, December 10, 2012 4:57 PM  
**To:** 'Rogers, Rhonda S'  
**Subject:** RE: Warren Unit 80 injection well  
**Attachments:** EddyNM\_NASH\_53\_SWD.pdf

Hello Rhonda,

Looks like R-6906-B in Case 10220 permitted this well for injection. You could print that Permit out and look at Ordering Paragraph (4). That paragraph defined the vertical limits as top of Blinebry at 5865 feet through the base of the Tubb at 6741 feet based on (correlated with) the Conoco Warren Unit #37 in J/27/20S/38E.

It seems there is a disconnect with the top of the Blinebry being at 5630 feet and the top as defined in R-6906-B Paragraph (4). Would you run this by your geologist and Landman and ask about it?

Unless there is a huge difference in structure out there, the Blinebry top in this well #80 would be (legally defined) at similar depths and the new packer depth would be necessarily above the Blinebry and in the Paddock formation – which is fine if only 100 feet above.

But since you need to move the packer up a bit in this well, would you ask your Landman if there is any vertical division of interest between the Paddock and the Blinebry formations within ½ mile of this well? If so, then let me know who owns the rights in the Paddock within ½ mile of this well with some tract identification similar to that attached to this email?

Also look for any production/completions in the Glorieta/Paddock formation within ½ mile of this well and let me know if there are any or have been any.

Depending on whether interests are the same and whether the interval above the Blinebry has produced, we may need to notify those folks identified as owners in the Paddock.

Will

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**From:** Rogers, Rhonda S [<mailto:Rhonda.S.Rogers@conocophillips.com>]  
**Sent:** Monday, December 10, 2012 12:59 PM  
**To:** Jones, William V., EMNRD  
**Cc:** Maunder, Susan B; Martin, Ashley; Bendele, Dean  
**Subject:** RE: Warren Unit 80 injection well

Will ConocoPhillips is requesting an exception for the setting of the packer over 100' above the top perms for this injection well. We have the well shut in now. We would like to set the packer, test and start injecting again.

Will I am sending the information you requested on the e-mail below. Attached is the proposed wellbore schematic. Please let me know if you need anymore information.

Thank you

R-6906-B  
Top Blinebry = 5630' MD in this well  
1 PKR still in Blinebry

**Jones, William V., EMNRD**

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**From:** Rogers, Rhonda S <Rhonda.S.Rogers@conocophillips.com>  
**Sent:** Wednesday, February 20, 2013 8:40 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Bendele, Dean; Larasati, Dewi; Maunder, Susan B; Tischer, Steve P; Martin, Ashley  
**Subject:** FW: Warren Unit 80 injection well

Good morning, William. Here is the answer to the questions you addressed at the end of this e-mail. We are requesting a verbal exception to place the packer over 100' above the top perf. If you need anything else please let me know. Thank you and have a great day.

**Subject:** RE: Warren Unit 80 injection well

**The Top Blinebry:**

- The top in the order referred to the top of the **Blinebry Reservoir** (the top of the good Blinebry properties), COP has always had perforation intervals below the **Top Blinebry Reservoir**.
- The **Top Blinebry Reservoir** is 5865 ft MD in WU # 37. It is correlated to WU# 80 at 5795 ft MD. Structurally the top **Blinebry Reservoir** in WU # 80 is 70 higher than in WU # 37.
- The **Current COP Top Blinebry is the Top of Blinebry Formation**:
  - **The Top Blinebry Formation** in WU # 37 is 5710 ft MD which is correlated to the **Top Blinebry Formation** in WU # 80 at 5630 ft MD.

In conclusion the correlation in the order and current correlation referred to 2 different things. The 1<sup>st</sup> one refers to **Top Blinebry Reservoir** and the 2<sup>nd</sup> one refers to the **Top Blinebry Formation**. We are requesting that the packer be set inside the Blinebry Formation interval (within 10 feet of the top Blinebry Formation).

Let me know if you have any question.

Thanks,

Dewi

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**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Monday, December 10, 2012 5:57 PM  
**To:** Rogers, Rhonda S  
**Subject:** [EXTERNAL]RE: Warren Unit 80 injection well

Hello Rhonda,

Looks like R-6906-B in Case 10220 permitted this well for injection. You could print that Permit out and look at Ordering Paragraph (4). That paragraph defined the vertical limits as top of Blinebry at 5865 feet through the base of the Tubb at 6741 feet based on (correlated with) the Conoco Warren Unit #37 in J/27/20S/38E.

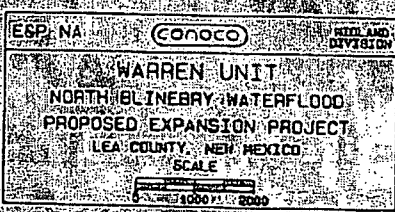
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Unless there is a huge difference in structure out there, the Blinebry top in this well #80 would be (legally defined) at similar depths and the new packer depth would be necessarily above the Blinebry and in the Paddock formation – which is fine if only 100 feet above.

Case 10220  
3/15/91

EXHIBIT "A"  
CASE NO. 10220 - ORDER NO. R-6906-B  
Warren Blinbry-Tubb Waterflood Project  
Conoco Inc.-Warren Unit Injection Wells,  
Township 20 South, Range 38 East, NMPM, Lea County, New Mexico

WELL NO.	LOCATION	SECTION
70	660' FSL and 660' FEL, Unit P	22
56	660' FNL and 1980' FEL, Unit B	26
57	660' FNL and 660' FWL, Unit D	26
48	2030' FNL and 1980' FWL, Unit F	26
103	1980' FNL and 660' FEL, Unit H	26
49	1980' FSL and 1980' FEL, Unit J	26
59	1980' FSL and 660' FWL, Unit L	26
45	660' FSL and 1980' FWL, Unit N	26
104	660' FNL and 1980' FEL, Unit B	27
33	1980' FNL and 1980' FWL, Unit F	27
105	1980' FNL and 660' FEL, Unit H	27
37	1980' FSL and 1980' FEL, Unit J	27
41	660' FSL and 1980' FWL, Unit N	27
32	660' FSL and 660' FEL, Unit P	27
108	Footage Location Unavailable, Unit A	33
84	660' FNL and 1920' FWL, Unit C	33
80 (80)	1980' FNL and 1980' FEL, Unit G	33
17	1980' FSL and 660' FEL, Unit I	33
107	1980' FSL and 1980' FWL, Unit K	33
16	660' FSL and 1980' FEL, Unit O	33
39	660' FNL and 1980' FEL, Unit B	34
20	1980' FNL and 660' FWL, Unit E	34
102	1980' FNL and 1980' FEL, Unit G	34
109	1980' FSL and 660' FEL, Unit I	34
75	1980' FSL and 1980' FWL, Unit K	34
14	660' FSL and 660' FWL, Unit M	34
13	660' FSL and 1980' FEL, Unit O	34
79	660' FNL and 660' FWL, Unit D	35



(11) At the hearing, applicant requested approval for 21 additional wells to be used for injection bringing the total in the project to 28. Seven will be newly drilled wells and 14 will be converted producing wells. Average injection rate would be approximately 500 barrels per well per day at an average pressure of 1700 psi. Maximum injection rate would be 700 barrels at maximum pressure of 2000 psi.

(12) Source water for injection will be sewage effluent from the City of Hobbs.

(13) Applicant submitted data on the proposed injection wells, water wells in the area, and all wells (including plugged wells) within 1/2 mile of the proposed injection which penetrate the zone of interest. This data shows that wells in the area are cased and plugged so as to protect fresh water and prevent fluid migration from the injection zone, and includes a statement indicating no evidence of open faults or any other hydrologic connection between the injection zone and the fresh water resources in the area.

(14) The proposed injection interval would be from the top of the Blinebry (75 feet above the Blinebry marker) down to the base of the Tubb formation (top of the Drinkard). These vertical limits are identified in the Conoco-Warren Unit Well No. 37, located in Unit J, Section 27, Township 20 South, Range 38 East, with the Blinebry top at 5,865 feet and the Tubb base at 6,741 feet. This is an overall interval of 876 feet.

(15) Testimony and exhibits submitted by applicant's witness indicates that plastic coated tubing set in packers will be used in all injection wells with packers set within 100 feet of the top perforations. Injection profiles will be run and the annular space will be monitored in each injection well.

(16) The injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but the Division Director should have authority to increase the pressure limitation upon a proper showing that a pressure increase would not result in the fracturing of the injection formation or confining strata.

(17) Prior to initiating injection into any of the injection wells, the applicant should be required to pressure test the casing in each of the proposed injection wells from the surface to the proposed packer-setting depth to assure the integrity of said casing.

(18) The operator should give advance notification to the Supervisor of the Hobbs district office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

*Marker on 60*

*5940  
75  
5865*

(TYPE LOG)



BEFORE EXAMINER STOGNER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 24-F  
CASE NO. 10220  
Submitted by Conoco Inc.  
Hearing Date 1-24-91