

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.
NMNM107395

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

SEP 19 2017
 RECEIVED
 HOBBS OGD

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 OXY USA INCORPORATED / Contact: DAVID STEWART
 E-Mail: david_stewart@oxy.com

3a. Address
 P O BOX 4294
 HOUSTON, TX 77210-4294

3b. Phone No. (include area code)
 Ph: 432-685-5717
 Fx: 432-685-5742

8. Well Name and No.
 FOXGLOVE 29 FEDERAL 01

9. API Well No.
 30-025-36593-00-S1

10. Field and Pool or Exploratory Area
 BRINNINSTOOL-MORROW
 TRIPLE X-BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Sec 29 T23S R33E NWSW 1500FSL 660FWL

11. County 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"/> Hydraulic Fracturing	<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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<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.

Approved as written. Submit both casing tests to the BLM. See attached for general requirements.

Well Preparation:

- MIRU Pulling unit, reverse unit and 10K BOP
- Function test 5K BOP (low 250#- high 9500#)
- Check Well head pressure, try to bleed off any psi and kill the well with fresh water or 10# brine if needed (ensure well is dead)- verify with CE/PE on KMW (Kill Mud Weight)
- POOH existing lift equipment (rods and pumps)
- Will scan tubing and keep only yellow tubing, will send the rest to pipe company.
- RIH to clean out well with bit and scraper to +/-12450' (7" 29# P110).
- POOH
- MIRU wireline and 10K PCE (Pressure Control Equipment)
- RIH and set the cement retainer @ 12290', spot 15' sand on top
- Squeeze the existing perforation 12251-12264'. The cement will pump through 2-7/8" OEDP to

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #363922 verified by the BLM Well Information System
 For OXY USA INCORPORATED, sent to the Hobbs
 Committed to AFMSS for processing by PRISCILLA PEREZ on 02/01/2017 (17PP0109SE)**

Name (Printed/Typed) DAVID STEWART Title SR. REGULATORY ADVISOR

Signature (Electronic Submission) Date 01/16/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE 29 2017

Approved By _____ Title _____ Date _____

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 _____

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

[Handwritten signature]

Additional data for EC transaction #363922 that would not fit on the form

32. Additional remarks, continued

12275' with a ~600' FlexSeal/Pressure Net balance plug from 11675-12275'

11. Wait 24 hrs for cement to cure.
12. RIH and tag cement. Confirm tag depth
13. PU bit and drill out top cement retainer
14. Pressure test cement for 15 minutes at 1000#
15. If cement holds, drill out bottom cement retainer
16. Circulate and clean out until 12450'.
17. POOH
18. Test casing against CIBP at 14310' to 8500#
19. If holds will move to next phase

DFIT:

1. MIRU wireline and RIH w/ CBL/GR/CCL/VDL from surface to 12450'
2. RDMO pulling unit and ready for the next phase
3. Perforating the 3rd Bone Spring sand, DFIT Analysis Test
4. MIRU wireline and RIH w/perforation gun (4-1/2" EXP-3321-421T, EHD 0.44", 6spf) perforate 3rd Bone Spring 12420-12425'
5. Perform DFIT (~14 days), after completed RDMO DFIT equipment.

FRACTURING:

1. MIRU Frac
2. Perform stg 1 fracturing (refers below for Pump schedule)
3. Set CBP at 12360'
4. MIRU wireline and RIH w/perforation gun (4-1/2" EXP-3321-421T, EHD 0.44", 6spf) perforate additional 3rd Bone Spring at 12287-12289' and 12335-12338'
5. Perform stg 2 fracturing(refers below for Pump schedule)
6. RDMO Frac equipment
7. Secure well.

Attachment 3160-5

OXY USA Inc. – Foxglove 29 Federal #1 – 30-025-36593

Add perforation and fracturing Procedure for 3rd Bone spring

Well Preparation:

1. MIRU Pulling unit, reverse unit and 10K BOP
2. Function test 5K BOP (low 250# - high 9500#)
3. Check Well head pressure, try to bleed off any psi and kill the well with fresh water or 10# brine if needed (ensure well is dead)- *verify with CE/PE* on KMW (Kill Mud Weight)
4. POOH existing lift equipment (rods and pumps)
5. Will scan tubing and keep only yellow tubing, will send the rest to pipe company.
6. RIH to clean out well with bit and scraper to +/-12450' (7" 29 # P110).
7. POOH
8. MIRU wireline and 10K PCE (Pressure Control Equipment)
9. RIH and set the cement retainer @ 12290', spot 15' sand on top
10. Squeeze the existing perforation 12251-12264'. The cement will pump through 2-7/8" OEDP to 12275' with a ~600' FlexSeal/Pressure Net balance plug from 11675-12275'
11. Wait 24 hrs for cement to cure.
12. RIH and tag cement. Confirm tag depth
13. PU bit and drill out top cement retainer
14. Pressure test cement for 15 minutes at 1000#
15. If cement holds, drill out bottom cement retainer
16. Circulate and clean out until 12450'.
17. POOH
18. Test casing against CIBP at 14310' to 8500#
19. If holds will move to next phase

DFIT :

1. MIRU wireline and RIH w/ CBL/GR/CCL/VDL from surface to 12450'
2. RDMO pulling unit and ready for the next phase
3. Perforating the 3rd Bone Spring sand, DFIT Analysis Test
4. MIRU wireline and RIH w/perforation gun (4-1/2" EXP-3321-421T, EHD 0.44", 6spf) perforate 3rd Bone Spring 12420-12425'
5. Perform DFIT (~14 days), after completed RDMO DFIT equipment.

FRACTURING (Perf and Frac Method)

1. MIRU Frac
2. Perform stg 1 fracturing (refers below for Pump schedule)
3. Set CBP at 12360'
4. MIRU wireline and RIH w/perforation gun (4-1/2" EXP-3321-421T, EHD 0.44", 6spf) perforate additional 3rd Bone Spring XY 12287-12289' and 12335-12338'
5. Perform stg 2 fracturing(refers below for Pump schedule)
6. RDMO Frac equipment
7. Secure well.

Stage: 1

Clean Fluid Totals	
Slickwater	56,977 gal
15% HCl	2,000 gal
WF115	32,779 gal
YF115FlexD	24,444 gal

Proppant Totals	
100 Mesh	2,083.2 lbm
100 Mesh	27,916.7 lbm
White Sand 40/70	14,445.0 lbm
White Sand 30/50	55,555.0 lbm

Bottom Hole Pumping Schedule												
Stage	Fluid Type	Clean Fluid Vol	Cum Clean Fluid	Prop Type	B.H. Prop Conc	Prop Per Stage	Cum Prop Amt	Stage Slurry Vol	Cum Slurry Vol	Pump Time	Clean Rate	Slurry Rate
		gal	gal		PPA	lbm	lbm	bbl	bbl	min	bbl/min	bbl/min
Pre-Pad	Slickwater	2,000	2,000		0.0	0.0	0.0	47.6	47.6	2.4	20.0	20.0
Acid	15% HCl	2,000	4,000		0.0	0.0	0.0	47.6	95.2	1.6	30.0	30.0
Pad	Slickwater	8,333	12,333		0.0	0.0	0.0	198.4	293.6	6.6	30.0	30.0
0.25 PPA	Slickwater	8,333	20,666	100 Mesh	0.3	2,083.2	2,083.2	200.7	494.3	6.7	29.7	30.0
0.5 PPA	Slickwater	11,389	32,055	100 Mesh	0.5	5,694.5	7,777.7	277.3	771.6	9.2	29.3	30.0
0.75 PPA	Slickwater	11,111	43,166	100 Mesh	0.8	8,333.2	16,111.0	273.5	1,045.1	9.1	29.0	30.0
1.0 PPA	Slickwater	13,889	57,055	100 Mesh	1.0	13,889.0	30,000.0	345.6	1,390.8	11.5	28.7	30.0
Sweep	WF115	10,000	67,055		0.0	0.0	30,000.0	238.1	1,628.9	7.9	30.0	30.0
0.25 PPA	WF115	5,556	72,611	White Sand 40/70	0.3	1,389.0	31,389.0	133.8	1,762.7	4.5	29.7	30.0
0.5 PPA	WF115	5,556	78,167	White Sand 40/70	0.5	2,778.0	34,167.0	135.3	1,898.0	4.5	29.3	30.0
0.75 PPA	WF115	5,556	83,723	White Sand 40/70	0.8	4,167.0	38,334.0	136.8	2,034.8	4.6	29.0	30.0
1.0 PPA	WF115	6,111	89,834	White Sand 40/70	1.0	6,111.0	44,445.0	152.2	2,186.9	5.1	28.7	30.0
1.5 PPA	YF115FlexD	5,833	95,667	White Sand 30/50	1.5	8,749.5	53,194.5	148.3	2,335.2	4.9	28.1	30.0
2.0 PPA	YF115FlexD	5,833	101,500	White Sand 30/50	2.0	11,666.0	64,860.5	151.4	2,486.7	5.0	27.5	30.0
2.5 PPA	YF115FlexD	6,389	107,889	White Sand 30/50	2.5	15,972.5	80,833.0	169.3	2,656.0	5.6	27.0	30.0
3.0 PPA	YF115FlexD	6,389	114,278	White Sand 30/50	3.0	19,167.0	100,000.0	172.8	2,828.8	5.8	26.4	30.0
Flush	see next section											
Totals:		114,278				100,000.0		2,828.8		95.1		

Pad 8,333 gal
 Frac 91,945 gal
 Pad% 8.3 %

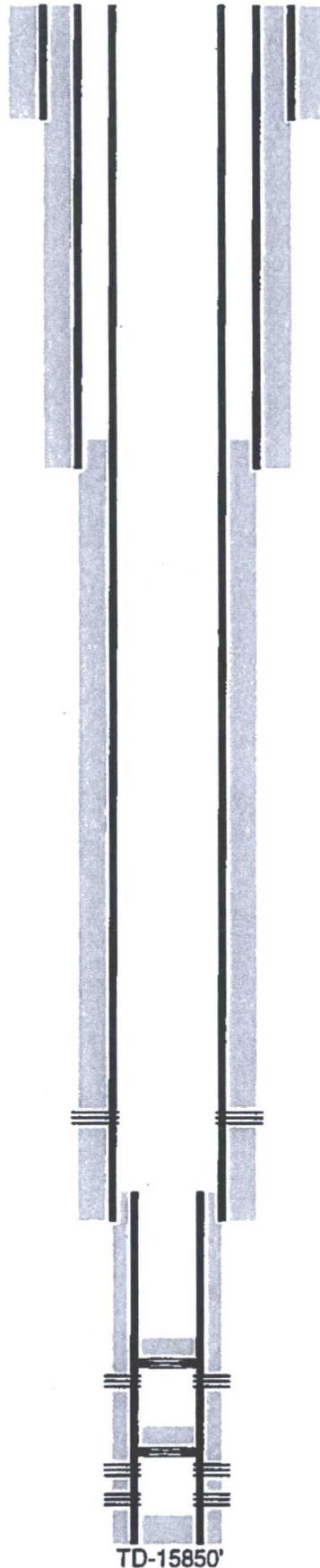
Stage: 2

Clean Fluid Totals	
Slickwater	110,034 gal
15% HCl	2,000 gal
WF115	65,555 gal
YF115FlexD	48,890 gal

Proppant Totals	
100 Mesh	60,000.2 lbm
White Sand 40/70	28,888.5 lbm
White Sand 30/50	111,113.5 lbm

Bottom Hole Pumping Schedule												
Stage	Fluid Type	Clean Fluid Vol	Cum Clean Fluid	Prop Type	B.H. Prop Conc	Prop Per Stage	Cum Prop Amt	Stage Slurry Vol	Cum Slurry Vol	Pump Time	Clean Rate	Slurry Rate
		gal	gal		PPA	lbm	lbm	bbl	bbl	min	bbl/min	bbl/min
Pre-Pad	Slickwater	2,000	2,000		0.0	0.0	0.0	47.6	47.6	2.4	20.0	20.0
Acid	15% HCl	2,000	4,000		0.0	0.0	0.0	47.6	95.2	1.6	30.0	30.0
Pad	Slickwater	16,667	20,667		0.0	0.0	0.0	396.8	492.1	13.2	30.0	30.0
0.25 PPA	Slickwater	16,667	37,334	100 Mesh	0.3	4,166.7	4,166.7	401.3	893.4	13.4	29.7	30.0
0.5 PPA	Slickwater	22,778	60,112	100 Mesh	0.5	11,389.0	15,555.7	554.6	1,448.0	18.5	29.3	30.0
0.75 PPA	Slickwater	22,222	82,334	100 Mesh	0.8	16,666.5	32,222.2	547.0	1,995.0	18.2	29.0	30.0
1.0 PPA	Slickwater	27,778	110,112	100 Mesh	1.0	27,778.0	60,000.2	691.3	2,686.3	23.0	28.7	30.0
Sweep	WF115	20,000	130,112		0.0	0.0	60,000.2	476.2	3,162.5	15.9	30.0	30.0
0.25 PPA	WF115	11,111	141,223	White Sand 40/70	0.3	2,777.7	62,778.0	267.6	3,430.1	8.9	29.7	30.0
0.5 PPA	WF115	11,111	152,334	White Sand 40/70	0.5	5,555.5	68,333.5	270.6	3,700.7	9.0	29.3	30.0
0.75 PPA	WF115	11,111	163,445	White Sand 40/70	0.8	8,333.2	76,666.7	273.6	3,974.3	9.1	29.0	30.0
1.0 PPA	WF115	12,222	175,667	White Sand 40/70	1.0	12,222.0	88,888.7	304.3	4,278.6	10.1	28.7	30.0
1.5 PPA	YF115FlexD	11,667	187,334	White Sand 30/50	1.5	17,500.5	106,389.2	296.6	4,575.2	9.9	28.1	30.0
2.0 PPA	YF115FlexD	11,667	199,001	White Sand 30/50	2.0	23,334.0	129,723.2	302.9	4,878.1	10.1	27.5	30.0
2.5 PPA	YF115FlexD	12,778	211,779	White Sand 30/50	2.5	31,945.0	161,668.2	338.6	5,216.8	11.3	27.0	30.0
3.0 PPA	YF115FlexD	12,778	224,557	White Sand 30/50	3.0	38,334.0	200,002.2	345.5	5,562.3	11.5	26.4	30.0
Flush	see next section											
Totals:		224,557				200,002.2		5,562.3		186.2		

OXY USA Inc. - Current
Foxglove 29 Federal #1
API No. 30-025-36593



17-1/2" hole @ 1286'
13-3/8" csg @ 1286'
w/ 1350sx-TOC-Surf-Circ

12-1/4" hole @ 5015'
9-5/8" csg @ 5015'
w/ 1895sx-TOC-Surf-Circ

8-1/2" hole @ 12600'
7" csg @ 12600'
w/ 2300sx-TOC-4874'-CBL

Perfs @ 12251-12264'

6-1/8" hole @ 15850'
5" liner @ 12435-15850
w/ 415sx-TOC-12435'-Circ

Perfs @ 14372-14433'

Perfs @ 15464-15644'

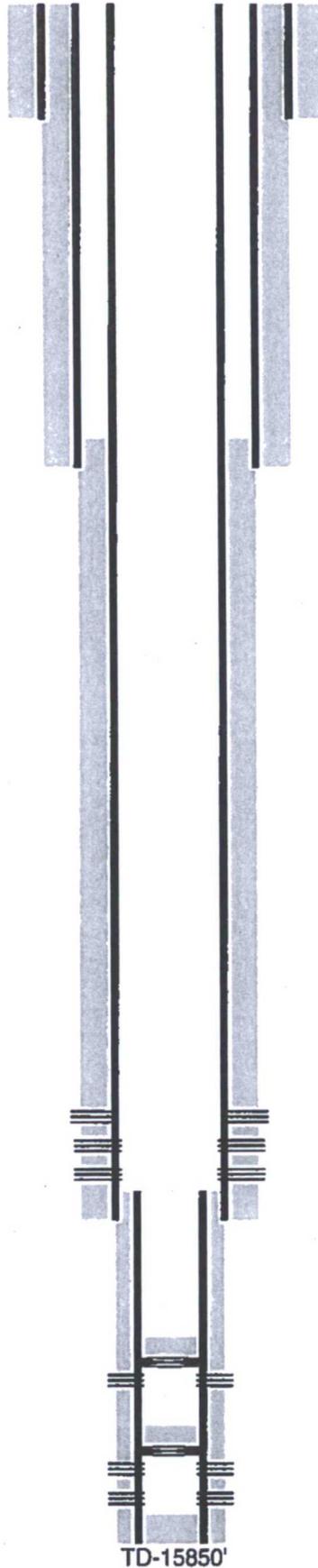
CIBP @ 14342' w/ 32' cmt

CIBP @ 15420' w/ 50' cmt

PB-15757'

TD-15850'

OXY USA Inc. - Proposed
Foxglove 29 Federal #1
API No. 30-025-36593



17-1/2" hole @ 1286'
13-3/8" csg @ 1286'
w/ 1350sx-TOC-Surf-Circ

12-1/4" hole @ 5015'
9-5/8" csg @ 5015'
w/ 1895sx-TOC-Surf-Circ

8-1/2" hole @ 12600'
7" csg @ 12600'
w/ 2300sx-TOC-4874'-CBL

Perfs @ 12251-12264' - Cmt sqz
Perfs @ 12287-12425'

6-1/8" hole @ 15850'
5" liner @ 12435-15850
w/ 415sx-TOC-12435'-Circ

CIBP @ 14342' w/ 32' cmt

CIBP @ 15420' w/ 50' cmt

Perfs @ 14372-14433'

Perfs @ 15464-15644'

PB-15757'

TD-15850'

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

General Requirements

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.