

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD HOBBS
HOBBSOCD

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.

JAN 14 2015

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

RECEIVED

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NNNM107395
2. Name of Operator OXY USA INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address HOUSTON, TX 77210-4294		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432.685.5717 Fx: 432.685.5742		8. Well Name and No. FOXGLOVE 29 FEDERAL 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T23S R33E NENW 340FNL 1980FWL 32.281950 N Lat, 103.596003 W Lon		9. API Well No. 30-025-41828-00-X1
		10. Field and Pool, or Exploratory TRIPLE X
		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
☒ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon ☐ Change to Original APD
	☐ Convert to Injection ☐ Plug Back ☐ 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 shall 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 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.)

OXY USA Inc. respectfully requests approval for the following changes to the drilling plan:

1. Extend the BHL approximately 160' past the south hardline to allow for our shoe track and perforating guns, see attached for amended C-102 plat and amended directional drilling plan.

Proposed TD - 15703'M 11153'V

2. Adjust the surface casing and cementing per the COA of approved APD.

Surface Casing

11-3/4" 47# J-55 BT&C new csg @ 0-1375', 14-3/4" hole w/ 8.5# mud

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

Electronic Submission #257746 verified by the BLM Well Information System
For OXY USA INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 10/10/2014 (15LJ0176SE)

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 08/20/2014

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

JAN 8 2015

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

/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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.

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

JAN 20 2015

Additional data for EC transaction #257746 that would not fit on the form

32. Additional remarks, continued

Coll Rating (psi)-1514 Burst Rating (psi)-3072
SF Coll-1.42 SF Burst-3.16 SF Ten-4.97

Surface - Circulate cement to surface w/ 570sx PP cmt w/ 1% CaCl₂ + .25#/sx Poly-E-Flake + 4% Bentonite, 13.5ppg 1.73 yield 888# 24hr CS 125% Excess followed by 300sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.34 yield 1416# 24hr CS 125% Excess.

3. Adjust production casing and cementing to amended TMD.

Production Casing
5-1/2" 17# P-110 BT&C new csg @ 0-15703'M, 7-7/8" hole w/ 9.2# mud

Coll Rating (psi)-7480 Burst Rating (psi)-10640
SF Coll-2.11 SF Burst-1.22 SF Ten-1.47

Production Cement - Cement w/ 570sx Tuned Light cmt w/ .125#/sx Poly-E-Flake + .65% SCR-100 + 3#/sx Kol-Seal, 9.86ppg (10.2ppg downhole) 3.66 yield 788# 24hr CS 100% Excess followed by 760sx Super H cmt w/ 3#/sx salt + .3% CFR-3 + .5% Halad-344 + 2#/sx Kol-Seal, 13.2ppg 1.65 yield 1462# 24hr CS 40% Excess,
Calculated TOC @ 4150'.

Description of Cement Additives: Calcium Chloride, Salt (Accelerator); CFR-3 (Dispersant); Bentonite (Light Weight Additive); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-344 (Low Fluid Loss Control); SCR-100, HR-800 (Retarder)
The above cement volumes could be revised pending the caliper measurement.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6181 Fax: (575) 393-0720
District II
811 S. First St., Arroyo, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Grande Road, Arroyo, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87501
Phone: (505) 476-3469 Fax: (505) 476-3463

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41829	Pool Code 57900	Pool Name Triple X Bone Spring
Property Code 304 827	Property Name FOXGLOVE "29" FEDERAL	Well Number 5H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3703.5'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	23 SOUTH	33 EAST, N.M.P.M.		340'	NORTH	1980'	WEST	LEA

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
N	29	23 SOUTH	33 EAST, N.M.P.M.		180'	SOUTH	1700'	WEST	LEA
Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.						

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.

	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 undivided 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. <i>[Signature]</i> 11/01/13 Signature Date David Stewart Sr. Res. Mgr. Printed Name david.stewart@oxy.com E-mail Address
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was placed from a true and correct survey made by me or under my supervision, and that the same is true and correct to the best of my belief. <i>[Signature]</i> 8/15/2014 Date of Survey Certificate Number 15079
	WFO 130925W1-b (Rev. A) (NA)



F29F 5H
Lea County, New Mexico
Northing: 467061.10
Easting: 727869.00
Plan #2



Scientific Drilling

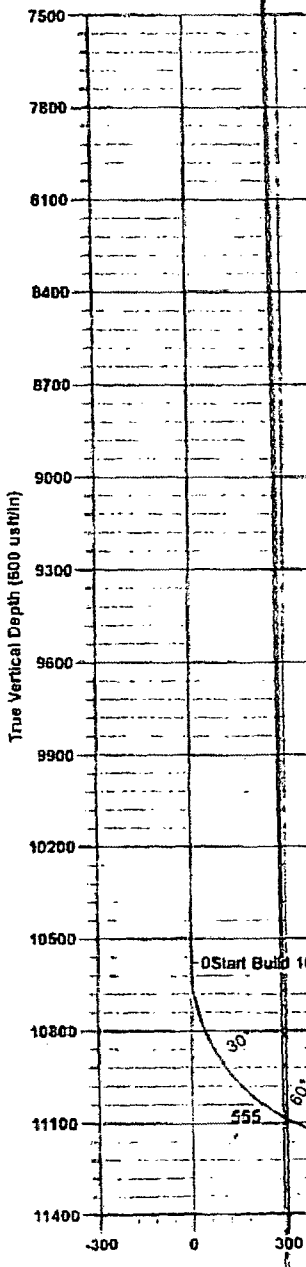
To convert Magnetic North to Grid, Add 0.92°
To convert True North to Grid, Subtract 0.39°

Azimuths to Grid North
True North: -0.39°
Magnetic North: 6.92°

Magnetic Field
Strength: 48414.0nT
Dip Angle: 60.18°
Date: 10/11/2013
Model: IGRF2010



KB=25' 3728.5usft (H&P 615)
Gr 3703.5



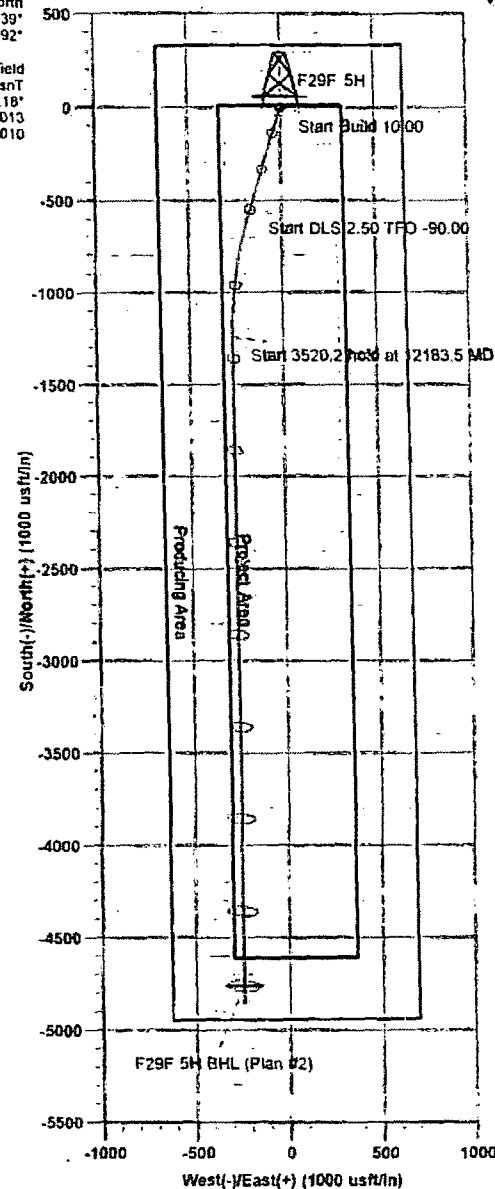
WELL DETAILS F29F 5H					
Ground Level: 3703.5					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	467061.10	727869.00	32° 16' 54.894 N	103° 35' 45.612 W

SECTION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
10579.5	0.00	0.00	10579.5	0.0	0.0	0.00	0.00	0.0
11479.5	90.00	197.18	11152.5	-547.4	-169.2	10.00	197.18	555.4
12183.5	90.00	179.58	11152.5	-1241.1	-271.4	2.50	-90.00	1253.4
15703.7	90.00	179.58	11152.5	-4761.2	-245.7	0.00	0.00	4767.5F29F 5H BHL (Plan #2)

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
F29F 5H BHL (Plan #2)	11152.5	-4761.2	-245.7	462299.94	727623.26

SITE DETAILS:
Foxglove 29 Federal 5H
Site Centre Northing: 467061.10
Easting: 727869.00
Positional Uncertainty: 0.0
Convergence: 0.39
Local North: Grid

PROJECT DETAILS:
Lea County, New Mexico
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Lateral TGT Line
20'up/20'down

Start Build 10.00

Start DLS 2.50 TFO -90.00

Start 3520.2 hold at 12183.5 MD

F29F 5H BHL (Plan #2)

James Dunn
21:48, August 13 2014

Scientific Drilling
325 S. Faudree Rd.



Planning Report



Database:	Midland District	Local Co-ordinate Reference:	Well F29F 5H
Company:	OXY	TVD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Project:	Lea County, New Mexico	MD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Site:	Foxglove 29 Federal 5H	North Reference:	Grid
Well:	F29F 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #2		

Project:	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Foxglove 29 Federal 5H		
Site Position:	Northings:	467,061.10 usft	Latitude: 32° 16' 54.894 N
From: Map	Easting:	727,869.00 usft	Longitude: 103° 35' 45.612 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.39 "

Well:	F29F 5H		
Well Position	+N/-S	0.0 usft	Northings: 467,061.10 usft
	+E/-W	0.0 usft	Easting: 727,869.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation: 0.0 usft	Ground Level: 3,703.5 usft

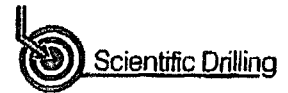
Wellbore:	Original Wellbore		
Magnetics:	Model Name	Sample Date	Declination
	IGRF2010	10/11/2013	7.32
			60.18
			48,414

Design:	Plan #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			182.95

Plan Sections:										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,579.5	0.00	0.00	10,579.5	0.0	0.0	0.00	0.00	0.00	0.00	
11,479.5	90.00	197.18	11,152.5	-547.4	-169.2	10.00	10.00	0.00	197.18	
12,183.5	90.00	179.58	11,152.5	-1,241.1	-271.4	2.50	0.00	-2.50	-90.00	
15,703.7	90.00	179.58	11,152.5	-4,761.2	-245.7	0.00	0.00	0.00	0.00	F29F 5H BHL (Plan #



Planning Report



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Company:	OXY	TVD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Project:	Lea County, New Mexico	MD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Site:	Foxglove 29 Federal 5H	North Reference:	Grid
Well:	F29F 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

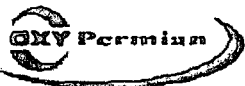


Planning Report



Database:	Midland District	Local Co-ordinate Reference:	Well F29F 5H
Company:	OXY	TVD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Project:	Lea County, New Mexico	MD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Site:	Foxglove 29 Federal 5H	North Reference:	Grid
Well:	F29F 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #2		

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	N/S (usft)	E/W (usft)	Vertical Section (usft)	Dogleg (Rate) (°/100usft)	Build (Rate) (°/100usft)	Turn (Rate) (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,579.5	0.00	0.00	10,579.5	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	2.05	197.18	10,600.0	-0.3	-0.1	0.4	10.00	10.00	0.00



Planning Report



Database:	Midland District	Local Co-ordinate Reference:	Well F29F 5H
Company:	OXY	TVD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Project:	Lea County, New Mexico	MD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Site:	Foxglove 29 Federal 5H	North Reference:	Grid
Well:	F29F 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	N-S (usft)	E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,650.0	7.05	197.18	10,649.8	-4.1	-1.3	4.2	10.00	10.00	0.00
10,700.0	12.05	197.18	10,699.1	-12.1	-3.7	12.2	10.00	10.00	0.00
10,750.0	17.05	197.18	10,747.5	-24.0	-7.4	24.4	10.00	10.00	0.00
10,800.0	22.05	197.18	10,794.6	-40.0	-12.4	40.6	10.00	10.00	0.00
10,850.0	27.05	197.18	10,840.1	-59.9	-18.5	60.7	10.00	10.00	0.00
10,900.0	32.05	197.18	10,883.6	-83.4	-25.8	84.6	10.00	10.00	0.00
10,950.0	37.05	197.18	10,924.7	-110.5	-34.2	112.1	10.00	10.00	0.00
11,000.0	42.05	197.18	10,963.3	-140.9	-43.6	143.0	10.00	10.00	0.00
11,050.0	47.05	197.18	10,998.9	-174.4	-53.9	176.9	10.00	10.00	0.00
11,100.0	52.05	197.18	11,031.3	-210.7	-65.2	213.8	10.00	10.00	0.00
11,150.0	57.05	197.18	11,060.3	-249.6	-77.2	253.3	10.00	10.00	0.00
11,200.0	62.05	197.18	11,085.6	-290.8	-89.9	295.0	10.00	10.00	0.00
11,250.0	67.05	197.18	11,107.1	-333.9	-103.2	338.8	10.00	10.00	0.00
11,300.0	72.05	197.18	11,124.6	-378.7	-117.1	384.2	10.00	10.00	0.00
11,350.0	77.05	197.18	11,137.9	-424.7	-131.3	430.9	10.00	10.00	0.00
11,400.0	82.05	197.18	11,147.0	-471.6	-145.8	478.5	10.00	10.00	0.00
11,450.0	87.05	197.18	11,151.7	-519.2	-160.5	526.8	10.00	10.00	0.00
11,479.5	90.00	197.18	11,152.5	-547.4	-169.2	555.4	10.00	10.00	0.00
11,500.0	90.00	196.67	11,152.5	-567.0	-175.2	575.2	2.50	0.00	-2.50
11,600.0	90.00	194.17	11,152.5	-663.4	-201.8	672.9	2.50	0.00	-2.50
11,700.0	90.00	191.67	11,152.5	-760.8	-224.1	771.4	2.50	0.00	-2.50
11,800.0	90.00	189.17	11,152.5	-859.2	-242.2	870.5	2.50	0.00	-2.50
11,900.0	90.00	186.67	11,152.5	-958.2	-256.0	970.1	2.50	0.00	-2.50
12,000.0	90.00	184.17	11,152.5	-1,057.7	-265.4	1,070.0	2.50	0.00	-2.50
12,100.0	90.00	181.67	11,152.5	-1,157.6	-270.5	1,170.0	2.50	0.00	-2.50
12,183.5	90.00	179.58	11,152.5	-1,241.1	-271.4	1,253.4	2.50	0.00	-2.50
12,200.0	90.00	179.58	11,152.5	-1,257.6	-271.3	1,269.9	0.00	0.00	0.00
12,300.0	90.00	179.58	11,152.5	-1,357.6	-270.6	1,369.7	0.00	0.00	0.00
12,400.0	90.00	179.58	11,152.5	-1,457.6	-269.9	1,469.6	0.00	0.00	0.00
12,500.0	90.00	179.58	11,152.5	-1,557.6	-269.1	1,569.4	0.00	0.00	0.00
12,600.0	90.00	179.58	11,152.5	-1,657.6	-268.4	1,669.2	0.00	0.00	0.00
12,700.0	90.00	179.58	11,152.5	-1,757.6	-267.7	1,769.0	0.00	0.00	0.00
12,800.0	90.00	179.58	11,152.5	-1,857.6	-266.9	1,868.9	0.00	0.00	0.00
12,900.0	90.00	179.58	11,152.5	-1,957.6	-266.2	1,968.7	0.00	0.00	0.00
13,000.0	90.00	179.58	11,152.5	-2,057.6	-265.5	2,068.5	0.00	0.00	0.00
13,100.0	90.00	179.58	11,152.5	-2,157.6	-264.7	2,168.4	0.00	0.00	0.00
13,200.0	90.00	179.58	11,152.5	-2,257.6	-264.0	2,268.2	0.00	0.00	0.00
13,300.0	90.00	179.58	11,152.5	-2,357.6	-263.3	2,368.0	0.00	0.00	0.00
13,400.0	90.00	179.58	11,152.5	-2,457.6	-262.6	2,467.8	0.00	0.00	0.00
13,500.0	90.00	179.58	11,152.5	-2,557.6	-261.8	2,567.7	0.00	0.00	0.00
13,600.0	90.00	179.58	11,152.5	-2,657.6	-261.1	2,667.5	0.00	0.00	0.00
13,700.0	90.00	179.58	11,152.5	-2,757.6	-260.4	2,767.3	0.00	0.00	0.00
13,800.0	90.00	179.58	11,152.5	-2,857.6	-259.6	2,867.1	0.00	0.00	0.00
13,900.0	90.00	179.58	11,152.5	-2,957.6	-258.9	2,967.0	0.00	0.00	0.00
14,000.0	90.00	179.58	11,152.5	-3,057.6	-258.2	3,066.8	0.00	0.00	0.00
14,100.0	90.00	179.58	11,152.5	-3,157.6	-257.4	3,166.6	0.00	0.00	0.00
14,200.0	90.00	179.58	11,152.5	-3,257.5	-256.7	3,266.4	0.00	0.00	0.00
14,300.0	90.00	179.58	11,152.5	-3,357.5	-256.0	3,366.3	0.00	0.00	0.00
14,400.0	90.00	179.58	11,152.5	-3,457.5	-255.3	3,466.1	0.00	0.00	0.00
14,500.0	90.00	179.58	11,152.5	-3,557.5	-254.5	3,565.9	0.00	0.00	0.00
14,600.0	90.00	179.58	11,152.5	-3,657.5	-253.8	3,665.8	0.00	0.00	0.00
14,700.0	90.00	179.58	11,152.5	-3,757.5	-253.1	3,765.6	0.00	0.00	0.00
14,800.0	90.00	179.58	11,152.5	-3,857.5	-252.3	3,865.4	0.00	0.00	0.00
14,900.0	90.00	179.58	11,152.5	-3,957.5	-251.6	3,965.2	0.00	0.00	0.00



Planning Report

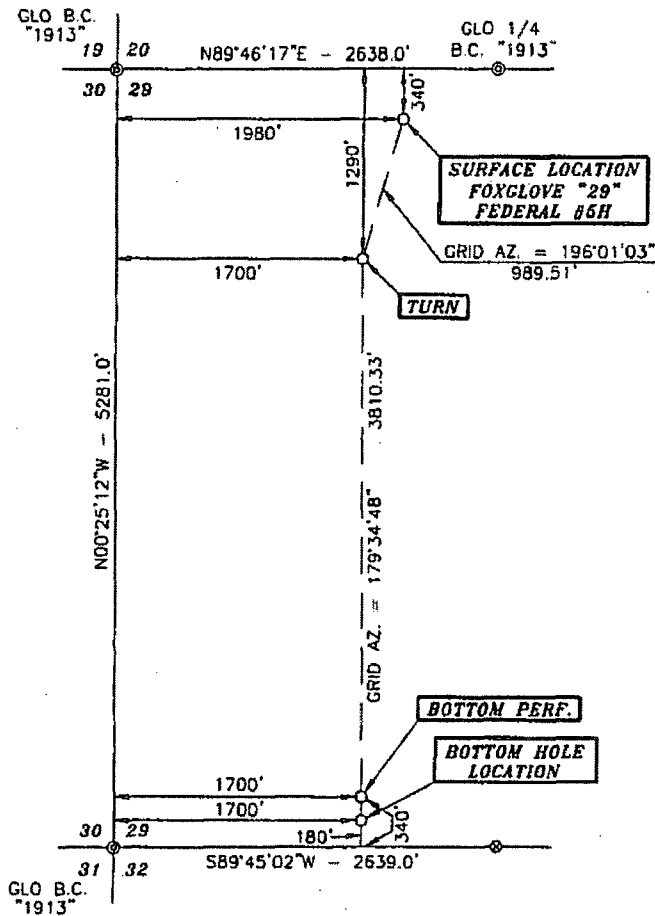


Database:	Midland District	Local Co-ordinate Reference:	Well F29F 5H
Company:	OXY	TVD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Project:	Lea County, New Mexico	MD Reference:	KB= 25' @ 3728.5usft (H&P 615)
Site:	Foxglove 29 Federal 5H	North Reference:	Grid
Well:	F29F 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,000.0	90.00	179.58	11,152.5	-4,057.5	-250.9	4,065.1	0.00	0.00	0.00
15,100.0	90.00	179.58	11,152.5	-4,157.5	-250.1	4,164.9	0.00	0.00	0.00
15,200.0	90.00	179.58	11,152.5	-4,257.5	-249.4	4,264.7	0.00	0.00	0.00
15,300.0	90.00	179.58	11,152.5	-4,357.5	-248.7	4,364.5	0.00	0.00	0.00
15,400.0	90.00	179.58	11,152.5	-4,457.5	-248.0	4,464.4	0.00	0.00	0.00
15,500.0	90.00	179.58	11,152.5	-4,557.5	-247.2	4,564.2	0.00	0.00	0.00
15,600.0	90.00	179.58	11,152.5	-4,657.5	-246.5	4,664.0	0.00	0.00	0.00
15,703.7	90.00	179.58	11,152.5	-4,761.2	-245.7	4,767.5	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N-S (usft)	+E-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
hit/miss target									
Shape									
F29F 5H BHL (Plan #2)	0.00	0.00	11,152.5	-4,761.2	-245.7	462,299.94	727,623.26	32° 16' 7.796 N	103° 35' 48.855 W
- plan hits target center									
- Point									

SECTION 29, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO




 Basis of Bearings - GPS Geodetic Measurements
 NAD 83 North American Datum of 1983

DRIVING DIRECTIONS:
 BEGINNING IN JAL AT THE INTERSECTION
 OF N.M. STATE HWY. 18 AND N.M. STATE
 HWY. #128, GO WEST ON N.M. STATE
 HWY. #128 FOR 20.6 MILES, TURN
 RIGHT ON COUNTY ROAD #21 (DELAWARE
 BASIN ROAD) AND GO NORTH FOR 4.0
 MILES, TURN LEFT ON XL ROAD AND GO
 WEST FOR 3.4 MILES, TURN RIGHT AND
 GO NORTH FOR 1.0 MILES, TURN LEFT
 AND GO WEST FOR 1.0 MILES, TURN
 RIGHT AND GO NORTH FOR 0.1 MILES,
 TURN LEFT ON PROPOSED ROAD AND GO
 WEST FOR 3501.7 FEET, TURN RIGHT
 AND GO NORTH FOR 75.0 FEET TO
 LOCATION.



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR
 NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM
 RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
 TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND
 BELIEF, AND MEETS THE MINIMUM STANDARDS FOR
 SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW
 MEXICO STATE BOARD OF REGISTRATION FOR
 PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 8/15/2014
 Terry J. Asel, P.E., R.P.L.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W TAYLOR
 HOBBS, NEW MEXICO - 775-393-8146



LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊙ - DENOTES CALCULATED CORNER



OXY USA INC.

FOXGLOVE "29" FEDERAL #5H LOCATED AT
 340' FNL & 1980' FWL IN SECTION 29,
 TOWNSHIP 23 SOUTH, RANGE 33 EAST,
 N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 09/12/13	Sheet 1 of 1 Sheets
W.O. Number: 130925WL-b (Rev. A)	Drawn By: KA Rev: A
Date: 08/15/14	130925WL-b Scale: 1"=1000'