

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTHOBBSCOCD
OCD Hobbs
JAN 14 2015FORM 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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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 7H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T23S R33E NENE 340FNL 660FEL 32.281899 N Lat, 103.587466 W Lon		9. API Well No. 30-025-41851-00-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 A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recomple 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 recompletion 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 - 15705'M 11155'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*Work already complete*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #269566 verified by the BLM Well Information System For OXY USA INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 11/12/2014 (15CRW0026SE)	
Name (Printed/Typed) DAVID STEWART	Title SR. REGULATORY ADVISOR
Signature (Electronic Submission)	Date 10/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

ACCEPTED FOR RECORD

JAN 8 2015

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

JAN 20 2015

Additional data for EC transaction #269566 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 @ 0-15705'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, 9.8ppg (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% HR-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); HR-344 (Low Fluid Loss Control); SCR-100, HR-800 (Retarder)
The above cement volumes could be revised pending the caliper measurement.

District I
1621 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87418
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 30-025-41351	Pool Code 59900	Pool Name Triple X Bone Springs
Property Code 304 827	Property Name FOXGLOVE "29" FEDERAL	Well Number 7H
OGRIID No. 16696	Operator Name OXY USA INC.	Elevation 3685.8'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	23 SOUTH	33 EAST, N.M.P.M.		340'	NORTH	660'	EAST	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
P	29	23 SOUTH	33 EAST, N.M.P.M.		180'	SOUTH	380'	EAST	LEA

Dedicated Acres 160	Joint or Infill N	Consolidation Code	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.

SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=467073.5 X=730507.6 LAT.: N 32.2818888° LONG.: W 103.5874658° BOTTOM PERF. NEW MEXICO EAST NAD 1927 Y=462473.8 X=730811.2 LAT.: N 32.2892498° LONG.: W 103.5865872° BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=462313.9 X=730821.7 LAT.: N 32.2888098° LONG.: W 103.5863567°	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. <i>[Signature]</i> 10/9/14 Date SP. Reg. Ad. W. Printed Name david.stewart@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was located by a qualified surveyor, and that the same is true and correct to the best of my belief. <i>[Signature]</i> 9/18/2014 Date of Survey Professional Surveyor Certificate Number 15079
	PROJECT AREA PRODUCING AREA GRID AZ = 179°13'23" 4770.11' IN ALL 330' 330' 340' 660' 389' 380' 180'
	WO# 130925WL-d (Rev. A) (KA)



F29F 7H
Lea County, New Mexico
Northing: 467073.50
Easting: 730507.60
Design #2

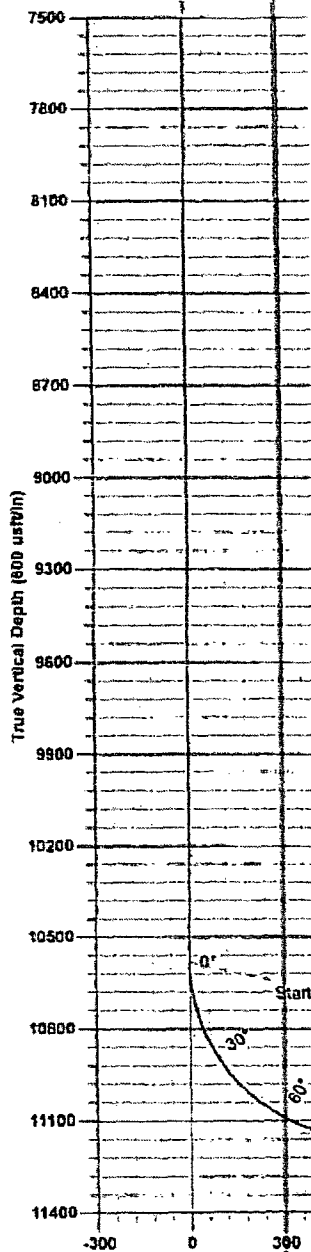


To convert Magnetic North to Grid, Add 6.80°
To convert True North to Grid, Subtract 0.40°

Adapted to Grid North
True North: -0.40°
Magnetic North: 6.80°

Magnetic Field
Strength: 48321.2nT
Dip Angle: 60.16°
Date: 09/18/2014
Model: IGRF2010

KB @ 37 10.80 usft
Gr @ 3685.80



WELL DETAILS F29F 7H					
+N/-S	+E/-W	Northing	Ground Level	3685.80	
0.00	0.00	467073.50	Easting	730507.60	Latitude 32.28190
					Longitude 103.58747

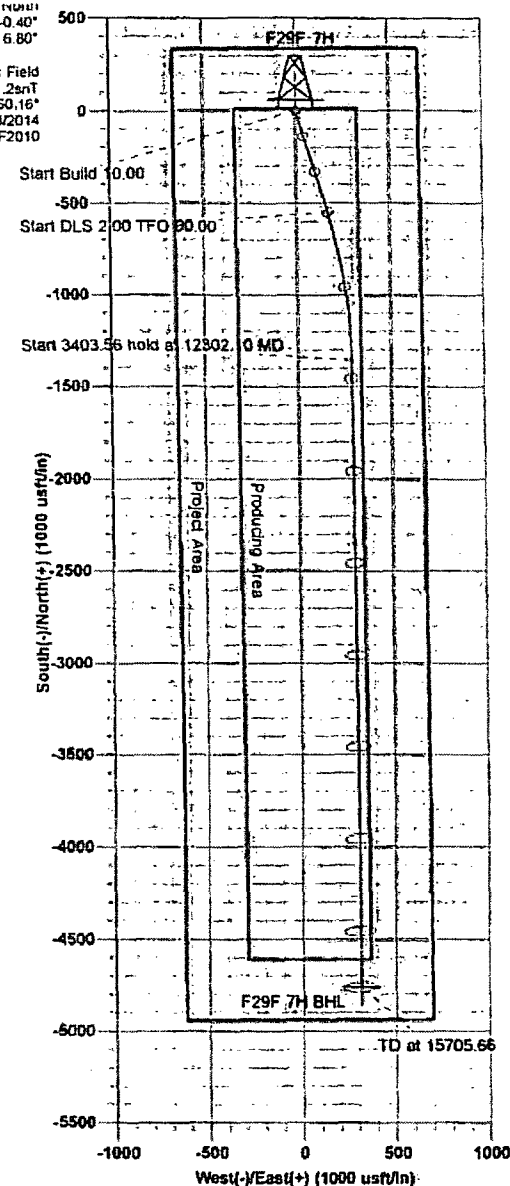
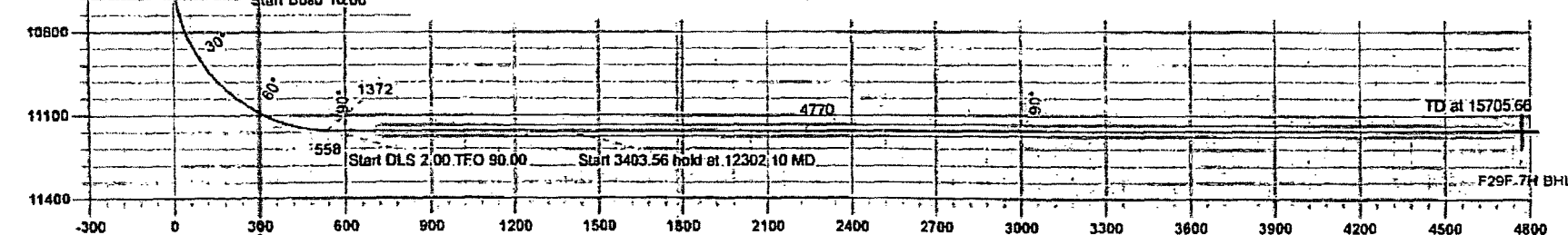
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10582.04	0.00	0.00	10582.04	0.00	0.00	0.00	0.00	0.00		
11482.04	90.00	163.16	11155.00	-548.39	185.99	10.00	163.16	559.15		
12302.10	90.00	179.56	11155.00	-1356.38	288.75	2.00	90.00	1372.47		
15705.66	90.00	179.56	11155.00	-4759.84	314.82	0.00	0.00	4770.24	F29F 7H BHL	

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
F29F 7H BHL	11155.00	-4759.84	314.82	462313.66	730822.42

SITE DETAILS:
Foglove 29 Federal 7H
Site Centre Northing: 467073.50
Easting: 730507.60
Positional Uncertainty: 0.00
Convergence: 0.40
Local North: Grid

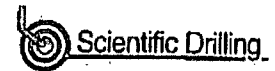
PROJECT DETAILS:
Lea County, New Mexico
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

Lateral TGT Line
20'up/20'down





Scientific Drilling, Int'l
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well F29F 7H
Company:	OXY	TVD Reference:	KB @ 3710.8usft
Project:	Lea County, New Mexico	MDI Reference:	KB @ 3710.8usft
Site:	Foxglove 29 Federal 7H	North Reference:	Grid
Well:	F29F 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #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 7H		
Site Position:	Northings:	467,073.50 usft	Latitude: 32° 16' 54.836 N
From: Map	Easting:	730,507.60 usft	Longitude: 103° 35' 14.877 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16"	Grid Convergence: 0.40°

Well:	F29F 7H		
Well Position	+N-S	0.0 usft	Northings: 467,073.50 usft
	+E-W	0.0 usft	Easting: 730,507.60 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Ground Level:	3,685.8 usft

Wellbore:	Original Wellbore		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	10/11/13	7.31
			Dip Angle (°)
			60.18
			Field Strength (nT)
			48,415

Design:	Design #2		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	11,155.0	0.0	0.0
			Direction (°)
			176.22

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TEO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,582.0	0.00	0.00	10,582.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,482.0	90.00	163.16	11,155.0	-548.4	166.0	10.00	10.00	0.00	163.16	
12,302.1	90.00	179.56	11,155.0	-1,356.4	288.8	2.00	0.00	2.00	90.00	
15,705.7	90.00	179.56	11,155.0	-4,759.8	314.8	0.00	0.00	0.00	0.00	F29F 7H BHL



Scientific Drilling, Int'l
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well F29F 7H
Company:	OXY	TVD Reference:	KB @ 3710.8usft
Project:	Lea County, New Mexico	MD Reference:	KB @ 3710.8usft
Site:	Foxglove 29 Federal 7H	North Reference:	Gnd
Well:	F29F 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #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	



Scientific Drilling, Int'l
Planning Report



Database:	EDM 5000.1 Single User Db	Local/Co-ordinate Reference:	Well F29F 7H
Company:	OXY	TVD Reference:	KB @ 3710.8usft
Project:	Lea County, New Mexico	MD Reference:	KB @ 3710.8usft
Site:	Foxglove 29 Federal 7H	North Reference:	Grid
Well:	F29F 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #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)	
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	
10,582.0	0.00	0.00	10,582.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,600.0	1.80	163.16	10,600.0	-0.3	0.1	0.3	10.00	10.00	0.00	



Scientific Drilling, Int'l
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well F29F 7H
Company:	OXY	TVD Reference:	KB @ 3710.8usft
Project:	Lea County, New Mexico	MD Reference:	KB @ 3710.8usft
Site:	Foxglove 29 Federal 7H	North Reference:	Grid
Well:	F29F 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #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	6.80	163.16	10,649.8	-3.9	1.2	3.9	10.00	10.00	0.00	
10,700.0	11.80	163.16	10,699.2	-11.6	3.5	11.8	10.00	10.00	0.00	
10,750.0	16.80	163.16	10,747.6	-23.4	7.1	23.8	10.00	10.00	0.00	
10,800.0	21.80	163.16	10,794.8	-39.2	11.9	39.9	10.00	10.00	0.00	
10,850.0	26.80	163.16	10,840.3	-58.9	17.8	59.9	10.00	10.00	0.00	
10,900.0	31.80	163.16	10,883.9	-82.3	24.9	83.8	10.00	10.00	0.00	
10,950.0	36.80	163.16	10,925.2	-109.3	33.1	111.2	10.00	10.00	0.00	
11,000.0	41.80	163.16	10,963.9	-139.6	42.2	142.0	10.00	10.00	0.00	
11,050.0	46.80	163.16	10,999.7	-173.0	52.4	176.0	10.00	10.00	0.00	
11,100.0	51.80	163.16	11,032.3	-209.2	63.3	213.0	10.00	10.00	0.00	
11,150.0	56.80	163.16	11,061.4	-248.1	75.1	252.5	10.00	10.00	0.00	
11,200.0	61.80	163.16	11,087.0	-289.2	87.5	294.4	10.00	10.00	0.00	
11,250.0	66.80	163.16	11,108.6	-332.3	100.6	338.2	10.00	10.00	0.00	
11,300.0	71.80	163.16	11,126.3	-377.1	114.1	383.8	10.00	10.00	0.00	
11,350.0	76.80	163.16	11,139.9	-423.1	128.1	430.7	10.00	10.00	0.00	
11,400.0	81.80	163.16	11,149.1	-470.1	142.3	478.5	10.00	10.00	0.00	
11,450.0	86.80	163.16	11,154.1	-517.7	156.7	527.0	10.00	10.00	0.00	
11,482.0	90.00	163.16	11,155.0	-548.4	166.0	558.1	10.00	10.00	0.00	
11,500.0	90.00	163.52	11,155.0	-565.6	171.1	575.7	2.00	0.00	2.00	
11,600.0	90.00	165.52	11,155.0	-662.0	197.8	673.6	2.00	0.00	2.00	
11,700.0	90.00	167.52	11,155.0	-759.2	221.1	772.1	2.00	0.00	2.00	
11,800.0	90.00	169.52	11,155.0	-857.2	241.0	871.2	2.00	0.00	2.00	
11,900.0	90.00	171.52	11,155.0	-955.8	257.5	970.7	2.00	0.00	2.00	
12,000.0	90.00	173.52	11,155.0	-1,055.0	270.5	1,070.5	2.00	0.00	2.00	
12,100.0	90.00	175.52	11,155.0	-1,154.5	280.1	1,170.5	2.00	0.00	2.00	
12,200.0	90.00	177.52	11,155.0	-1,254.3	286.2	1,270.5	2.00	0.00	2.00	
12,302.1	90.00	179.56	11,155.0	-1,356.4	288.8	1,372.5	2.00	0.00	2.00	
12,400.0	90.00	179.56	11,155.0	-1,454.3	289.5	1,470.2	0.00	0.00	0.00	
12,500.0	90.00	179.56	11,155.0	-1,554.3	290.3	1,570.0	0.00	0.00	0.00	
12,600.0	90.00	179.56	11,155.0	-1,654.3	291.0	1,669.9	0.00	0.00	0.00	
12,700.0	90.00	179.56	11,155.0	-1,754.3	291.8	1,769.7	0.00	0.00	0.00	
12,800.0	90.00	179.56	11,155.0	-1,854.3	292.6	1,869.5	0.00	0.00	0.00	
12,900.0	90.00	179.56	11,155.0	-1,954.3	293.3	1,969.4	0.00	0.00	0.00	
13,000.0	90.00	179.56	11,155.0	-2,054.3	294.1	2,069.2	0.00	0.00	0.00	
13,100.0	90.00	179.56	11,155.0	-2,154.3	294.9	2,169.0	0.00	0.00	0.00	
13,200.0	90.00	179.56	11,155.0	-2,254.3	295.6	2,268.8	0.00	0.00	0.00	
13,300.0	90.00	179.56	11,155.0	-2,354.2	296.4	2,368.7	0.00	0.00	0.00	
13,400.0	90.00	179.56	11,155.0	-2,454.2	297.2	2,468.5	0.00	0.00	0.00	
13,500.0	90.00	179.56	11,155.0	-2,554.2	297.9	2,568.3	0.00	0.00	0.00	
13,600.0	90.00	179.56	11,155.0	-2,654.2	298.7	2,668.2	0.00	0.00	0.00	
13,700.0	90.00	179.56	11,155.0	-2,754.2	299.5	2,768.0	0.00	0.00	0.00	
13,800.0	90.00	179.56	11,155.0	-2,854.2	300.2	2,867.8	0.00	0.00	0.00	
13,900.0	90.00	179.56	11,155.0	-2,954.2	301.0	2,967.7	0.00	0.00	0.00	
14,000.0	90.00	179.56	11,155.0	-3,054.2	301.8	3,067.5	0.00	0.00	0.00	
14,100.0	90.00	179.56	11,155.0	-3,154.2	302.5	3,167.3	0.00	0.00	0.00	
14,200.0	90.00	179.56	11,155.0	-3,254.2	303.3	3,267.1	0.00	0.00	0.00	
14,300.0	90.00	179.56	11,155.0	-3,354.2	304.1	3,367.0	0.00	0.00	0.00	
14,400.0	90.00	179.56	11,155.0	-3,454.2	304.8	3,466.8	0.00	0.00	0.00	
14,500.0	90.00	179.56	11,155.0	-3,554.2	305.6	3,566.6	0.00	0.00	0.00	
14,600.0	90.00	179.56	11,155.0	-3,654.2	306.4	3,666.5	0.00	0.00	0.00	
14,700.0	90.00	179.56	11,155.0	-3,754.2	307.1	3,766.3	0.00	0.00	0.00	
14,800.0	90.00	179.56	11,155.0	-3,854.2	307.9	3,866.1	0.00	0.00	0.00	
14,900.0	90.00	179.56	11,155.0	-3,954.2	308.6	3,966.0	0.00	0.00	0.00	
15,000.0	90.00	179.56	11,155.0	-4,054.2	309.4	4,065.8	0.00	0.00	0.00	



Scientific Drilling, Int'l
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well F29F.7H
Company:	OXY	TVD Reference:	KB @ 3710.8usft
Project:	Lea County, New Mexico	MD Reference:	KB @ 3710.8usft
Site:	Foxglove 29 Federal 7H	North Reference:	Grid
Well:	F29F.7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #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)
15,100.0	90.00	179.56	11,155.0	-4,154.2	310.2	4,165.6	0.00	0.00	0.00
15,200.0	90.00	179.56	11,155.0	-4,254.2	310.9	4,265.4	0.00	0.00	0.00
15,300.0	90.00	179.56	11,155.0	-4,354.2	311.7	4,365.3	0.00	0.00	0.00
15,400.0	90.00	179.56	11,155.0	-4,454.2	312.5	4,465.1	0.00	0.00	0.00
15,500.0	90.00	179.56	11,155.0	-4,554.2	313.2	4,564.9	0.00	0.00	0.00
15,600.0	90.00	179.56	11,155.0	-4,654.2	314.0	4,664.8	0.00	0.00	0.00
15,705.7	90.00	179.56	11,155.0	-4,759.8	314.8	4,770.2	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.7H BHL	0.00	0.00	11,155.0	-4,759.8	314.8	462,313.66	730,822.42	32° 16' 7.713 N	103° 35' 11.596 W
- plan hits target center									
- Point									