

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		² OGRID Number: 16696
		³ Reason for Filing Code/ Effective Date - RT- 04/20/2022
⁴ API Number 30-015-45781	⁵ Pool Name Ingle Wells; Bone Spring	⁶ Pool Code 33740
⁷ Property Code: 324872	⁸ Property Name: PURE GOLD MDP1 29-17 FEDERAL COM	⁹ Well Number: 176H

II. ¹⁰ Surface Location

Ul or lot no. P	Section 29	Township 23S	Range 31E	Lot Idn	Feet from the 580	North/South Line SOUTH	Feet from the 980	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location FTP: 112' FSL 1080' FEL LTP: 2413' FSL 1099' FEL

UL or lot no. I	Section 17	Township 23S	Range 31E	Lot Idn	Feet from the 2586	North/South line SOUTH	Feet from the 1098	East/West line EAST	County EDDY
¹² Lse Code F	¹³ Producing Method Code : F		¹⁴ Gas Connection Date: TBD		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
237722	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 01/17/2020	²² Ready Date 04/20/2022	²³ TD 23625'M 10491'V	²⁴ PBTB 23591'M 10491'V	²⁵ Perforations 10551-23452'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"	13-3/8"		495'		575
12-1/4"	9-5/8"		4314'		1176
8-3/4"	7-5/8"		9750'		1099
6-3/4"	5-1/2"		23604'		1086

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name:
JANA MENDIOLA

Title:
SR. REGULATORY ANALYST

E-mail Address:
Janalyn_mendiola@oxy.com

Date: 04/14/2022 Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: 

Title: Petroleum Engineer

Approval Date: 08/03/22

COA: RT expires on 08/26/22

1625 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720
District III
 1000 Rio Brazos Road, Aztec, NM 87410
 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

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-45781	² Pool Code 33740	³ Pool Name INGLE WELLS; BONE SPRING
⁴ Property Code 324872	Property Name PURE GOLD MDP1 29-17 FEDERAL COM	
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC.	⁶ Well Number 176H
		⁹ Elevation 3359'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	29	23S	31E		580	SOUTH	980	EAST	EDDY
¹¹ 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
I	17	23S	31E		2586	SOUTH	1098	EAST	EDDY
¹² Dedicated Acres 800.0	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 708808.56' / Y: 472283.76' B - X: 708841.97' / Y: 467001.52' C - X: 708857.29' / Y: 464350.28' D - X: 708874.42' / Y: 461719.64' E - X: 708238.14' / Y: 461706.01' F - X: 706205.66' / Y: 466988.20' G - X: 706177.35' / Y: 472269.89' H - X: 706160.79' / Y: 474910.31' I - X: 708792.29' / Y: 474924.77' CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 667625.31' / Y: 472224.19' B - X: 667658.56' / Y: 466942.09' C - X: 667673.80' / Y: 464290.92' D - X: 667690.86' / Y: 461660.34' E - X: 665054.58' / Y: 461646.71' F - X: 665022.26' / Y: 466928.77' G - X: 664994.10' / Y: 472210.12' H - X: 664977.62' / Y: 474850.67' I - X: 667609.12' / Y: 474865.13' BOTTOM HOLE LOCATION 2586' FSL 1098' FEL, SECTION 17 23625' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 707694.70' / Y: 474864.22' LAT: 32.30432654N / LON: 103.79489391W NAD 27, SPCS NM EAST X: 666511.53' / Y: 474804.58' LAT: 32.30420375N / LON: 103.79440673W LAST TAKE POINT 2413' FSL 1099' FEL, SECTION 17 23452' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 707694.26' / Y: 474691.23' LAT: 32.30385103N / LON: 103.79489813W NAD 27, SPCS NM EAST X: 666511.09' / Y: 474631.59' LAT: 32.30372824N / LON: 103.79441097W FIRST TAKE POINT 112' FSL 1080' FEL, SECTION 29 10551' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 707793.96' / Y: 461828.34' LAT: 32.26848720N / LON: 103.79478452W NAD 27, SPCS NM EAST X: 666610.40' / Y: 461767.04' LAT: 32.26836419N / LON: 103.79429878W KICK OFF POINT 136' FSL 1064' FEL, SECTION 32 9769' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 707810.98' / Y: 461577.98' LAT: 32.26780429N / LON: 103.79473349W NAD 27, SPCS NM EAST X: 666627.42' / Y: 461518.69' LAT: 32.26768128N / LON: 103.79424777W SURFACE HOLE LOCATION 580' FSL 980' FEL, SECTION 29 NAD 83, SPCS NM EAST X: 707890.72' / Y: 462294.58' LAT: 32.26977294N / LON: 103.79446387W NAD 27, SPCS NM EAST X: 666707.18' / Y: 462235.27' LAT: 32.26964994N / LON: 103.79397808W	¹⁷ 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. Signature: Date: 04/14/22 Printed Name: JANA MENDIOLA E-mail Address: janalyn_mendiola@oxy.com ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. Date of Survey: APRIL 13, 2022 Signature and Seal of Professional Surveyor: Certificate Number: DAVID W. MYERS 11403
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Distances/areas relative to NAD 83 Combined Scale Factor: 0.99978476 Convergence Angle: 00°17'22.57"

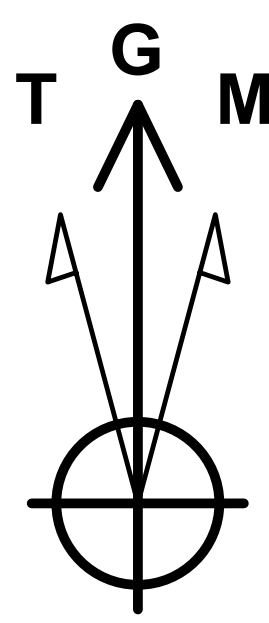
Horizontal Spacing Unit



Project: Eddy County, NM (NAD83-NME)
Site: Pure Gold MDP1 29_17
Well: Pure Gold MDP1 29_17 Federal Com 176H
Wellbore: OH / 68390
Design: Plan 4 02-10-22
Rig: H&P 479



PHOENIX
TECHNOLOGY SERVICES

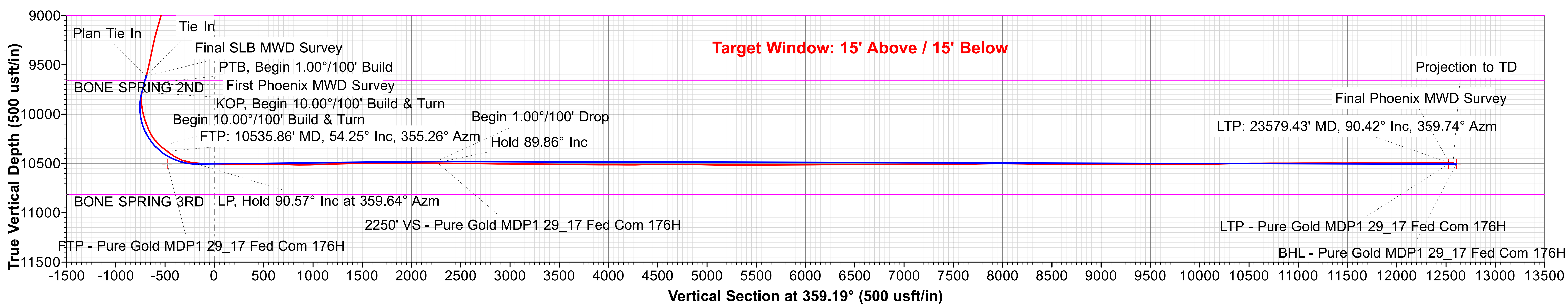
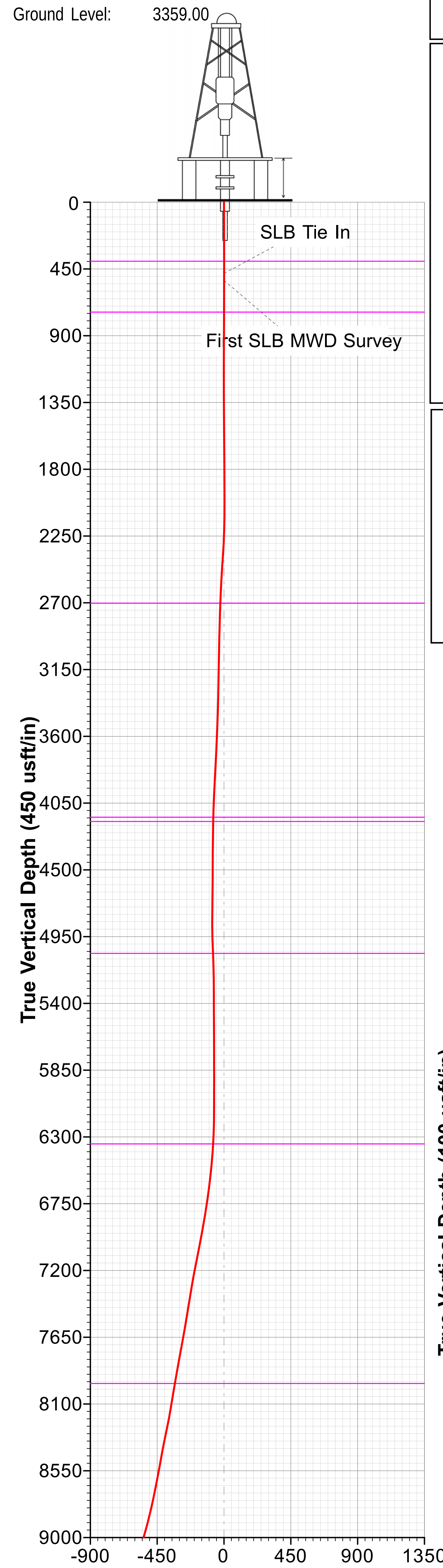


Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.51°

Magnetic Field
Strength: 47722.1nT
Dip Angle: 59.97°
Date: 2/10/2022
Model: IFR

RKB @ 3384.00usft (H&P 479)

Ground Level: 3359.00



WELL DETAILS						
		Ground Level:		3359.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	462294.58	707890.72	32° 16' 11.182597 N	103° 47' 40.069933 W	

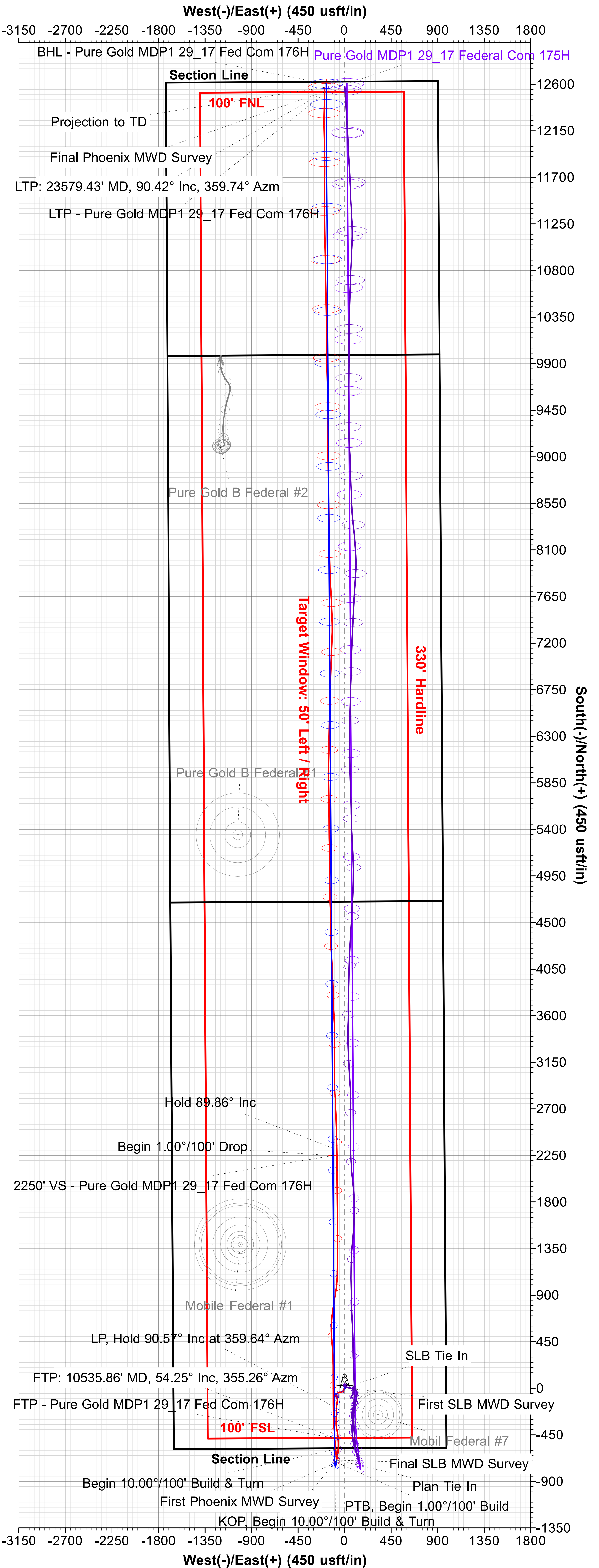
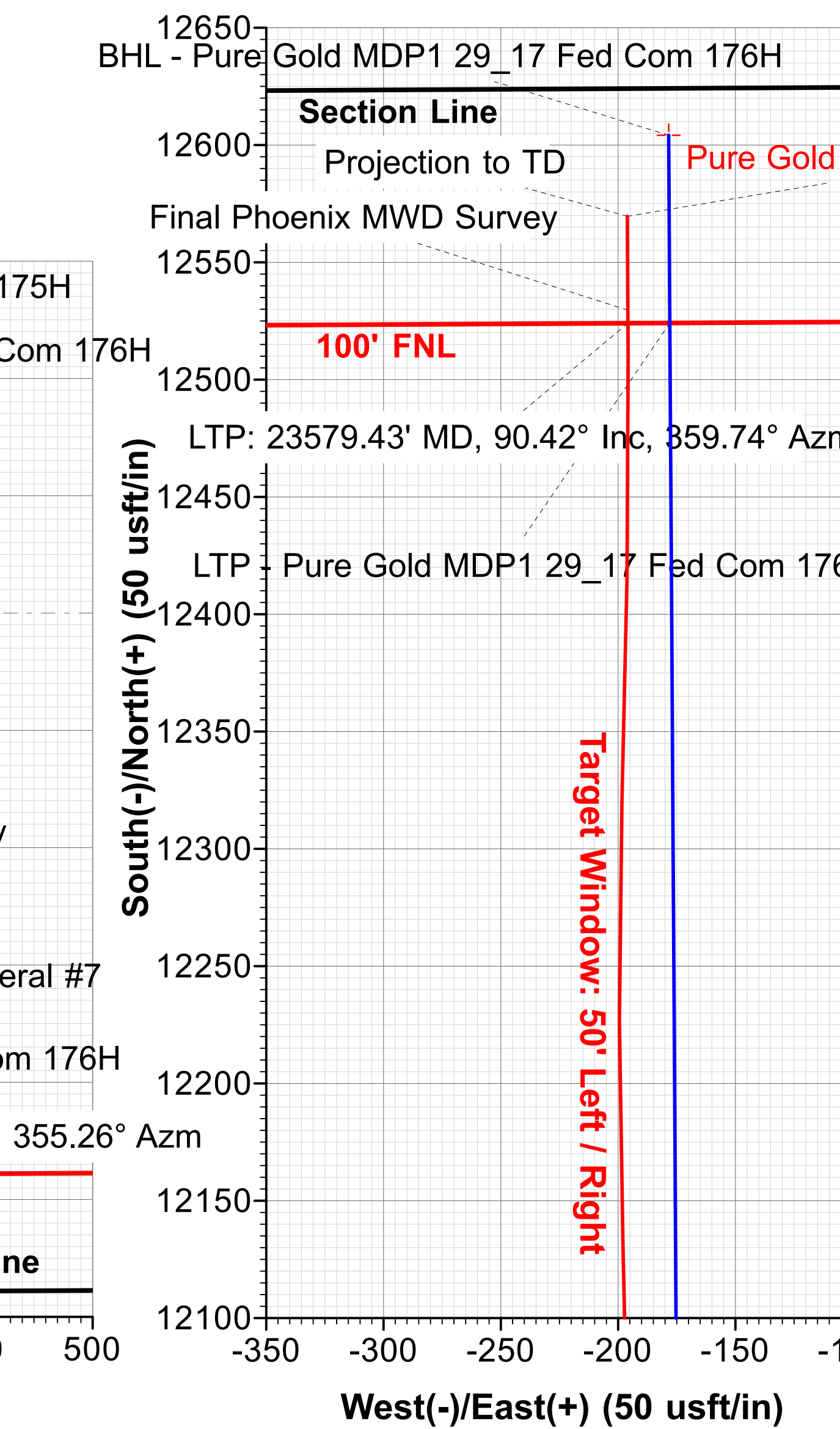
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	9681.00	14.87	189.18	9613.66	-693.62	-76.48	0.00	0.000	-692.47	Plan Tie In
2	9765.00	14.87	189.18	9694.85	-714.90	-79.92	0.00	0.000	-713.69	PTB, Begin 1.00°/100' Build
3	9851.46	15.73	189.18	9778.24	-737.42	-83.56	1.00	0.000	-736.17	KOP, Begin 10.00°/100' Build & Turn
4	10457.23	45.00	0.12	10337.00	-590.38	-97.56	10.00	172.652	-588.94	Begin 10.00°/100' Build & Turn
5	10912.98	90.57	359.64	10504.79	-179.49	-98.72	10.00	-0.662	-178.07	LP, Hold 90.57° Inc at 359.64° Azm
6	11341.25	90.57	359.64	10480.50	2248.61	-113.85	0.00	0.000	2250.00	2250' VS - Pure Gold MDP1 29_17 Fed Com 176H
7	13412.75	89.86	359.64	10480.23	2320.11	-114.30	1.00	179.999	2321.50	Begin 1.00°/100' Drop
8	23697.04	89.86	359.64	10505.70	12604.17	-178.41	0.00	0.000	12605.43	BHL - Pure Gold MDP1 29_17 Fed Com 176H

FORMATION TOP DETAILS										
TVDPath	MDPath	Formation								
398.00	398.00	RUSTLER								
741.00	741.01	SALADO								
2703.00	2704.13	CASTILE								
4145.00	4149.47	DELAWARE								
4174.00	4178.48	BELL CANYON								
5063.00	5067.70	CHERRY CANYON								
6347.00	6351.99	BRUSHY CANYON								
7962.00	7988.58	BONE SPRING								
9001.00	9049.61	BONE SPRING 1ST								
9655.00	9723.77	BONE SPRING 2ND								

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone
Local Origin: Well Pure Gold MDP1 29_17 Federal Com 176H, Grid North
Latitude: 32° 16' 11.182597 N
Longitude: 103° 47' 40.069933 W
Grid East: 707890.72
Grid North: 462294.58
Scale Factor: 1.000

Geomagnetic Model: IFR
Sample Date: 10-Feb-22
Magnetic Declination: 6.802°
Dip Angle from Horizontal: 59.972°
Magnetic Field Strength: 47722.10000000nT
To convert a Magnetic Direction to a Grid Direction, Add 6.514°
To convert a Magnetic Direction to a True Direction, Add 6.802° East
To convert a True Direction to a Grid Direction, Subtract 0.288°

LEGEND
Pure Gold MDP1 29_17 Federal Com 176H, OH / 68390, Surveys (H&P 479) V0
Pure Gold B Federal #1, OH, Surveys (INC ONLY) V0
Mobil Federal #7, OH, Surveys - INC ONLY V0
Pure Gold MDP1 29_17 Federal Com 175H, ST02 / 69102, Plan 3 01-26-22 V0
Pure Gold MDP1 29_17 Federal Com 175H, ST02 / 69102, Surveys (H&P 479) V0
Pure Gold MDP1 29_17 Federal Com 175H, OH, Surveys (H&P 479) V0
Pure Gold MDP1 29_17 Federal Com 175H, ST01, Surveys (H&P 479) V0
Pure Gold B Federal #2, OH, Surveys V0
Mobil Federal #1, OH, Surveys (INC ONLY) V0
Plan 4 02-10-22





OXY USA INC.

Eddy County, NM (NAD83-NME)

Pure Gold MDP1 29_17

Pure Gold MDP1 29_17 Federal Com 176H

OH / 68390

Design: Surveys (H&P 479)

Standard Survey Report

01 March, 2022





Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

Project	Eddy County, NM (NAD83-NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Pure Gold MDP1 29_17		
Site Position:		Northing:	462,329.58 usft
From:	Map	Easting:	707,890.49 usft
Position Uncertainty:	1.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 11.528953 N
		Longitude:	103° 47' 40.070564 W
		Grid Convergence:	0.288 °

Well	Pure Gold MDP1 29_17 Federal Com 176H		
Well Position	+N/-S	0.00 usft	Northing: 462,294.58 usft
	+E/-W	0.00 usft	Easting: 707,890.72 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 11.182597 N
		Longitude:	103° 47' 40.069933 W
		Ground Level:	3,359.00 usft

Wellbore	OH / 68390				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	2/10/2022	6.802	59.972	47,722.10000000

Design	Surveys (H&P 479)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.19	

Survey Program	Date	3/1/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	480.40	Gyrodata Gyro Surveys (OH / 68390)	GYD_G003_GC+DROP+I	Gyrodata Stationary Tool drop on BHA on open h	
528.00	4,397.00	SLB MWD Surveys - 1 (OH / 68390)	A009Mb_MWD+IFR1+SA	OWSG MWD + IFR1 + Sag Correction	
4,492.00	9,303.00	SLB MWD Surveys - 2 (OH / 68390)	A010Mb_MWD+IFR1+SA	OWSG MWD + IFR1 + Sag + Multi-Station Corre	
9,398.00	9,681.00	SLB MWD Surveys - 3 (OH / 68390)	A009Mb_MWD+IFR1+SA	OWSG MWD + IFR1 + Sag Correction	
9,700.00	23,625.00	Phoenix MWD Surveys (OH / 68390)	SQC_C705a_MWD+IFR1	OWSG MWD + IFR1 + Sag + FDIR Correction	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	
33.30	0.43	19.71	33.30	0.03	0.01	0.03	5.18	5.18	0.00	
128.10	0.34	67.44	128.10	0.47	0.39	0.47	0.34	-0.09	50.35	
210.10	0.28	49.03	210.10	0.70	0.77	0.69	0.14	-0.07	-22.45	
300.10	0.18	45.90	300.10	0.94	1.03	0.92	0.11	-0.11	-3.48	
394.70	0.23	60.64	394.70	1.14	1.31	1.12	0.08	0.05	15.58	



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
398.00	0.23	60.20	398.00	1.14	1.32	1.12	0.05	0.00	-13.33
480.40	0.17	45.21	480.39	1.31	1.55	1.29	0.10	-0.07	-18.19
SLB Tie In									
528.00	0.29	139.66	527.99	1.27	1.68	1.24	0.73	0.25	198.42
First SLB MWD Survey									
617.00	0.35	123.73	616.99	0.95	2.05	0.92	0.12	0.07	-17.90
713.00	0.25	109.14	712.99	0.71	2.49	0.68	0.13	-0.10	-15.20
807.00	0.29	140.42	806.99	0.46	2.83	0.42	0.16	0.04	33.28
901.00	0.40	126.15	900.99	0.09	3.25	0.04	0.15	0.12	-15.18
994.00	0.34	142.64	993.99	-0.32	3.68	-0.38	0.13	-0.06	17.73
1,086.00	0.21	147.07	1,085.99	-0.68	3.94	-0.74	0.14	-0.14	4.82
1,177.00	0.07	92.79	1,176.99	-0.82	4.08	-0.88	0.20	-0.15	-59.65
1,269.00	0.14	28.38	1,268.99	-0.73	4.19	-0.79	0.14	0.08	-70.01
1,360.00	0.36	27.48	1,359.99	-0.38	4.38	-0.44	0.24	0.24	-0.99
1,452.00	0.47	9.04	1,451.98	0.25	4.57	0.19	0.19	0.12	-20.04
1,546.00	0.45	4.98	1,545.98	1.00	4.66	0.93	0.04	-0.02	-4.32
1,641.00	0.41	23.61	1,640.98	1.68	4.83	1.61	0.15	-0.04	19.61
1,736.00	0.43	20.39	1,735.97	2.33	5.09	2.26	0.03	0.02	-3.39
1,831.00	0.30	19.33	1,830.97	2.90	5.30	2.82	0.14	-0.14	-1.12
1,925.00	0.21	33.58	1,924.97	3.27	5.48	3.20	0.12	-0.10	15.16
2,020.00	0.24	10.72	2,019.97	3.61	5.61	3.53	0.10	0.03	-24.06
2,115.00	0.53	237.09	2,114.97	3.57	5.28	3.50	0.75	0.31	-140.66
2,209.00	2.44	222.11	2,208.93	1.85	3.57	1.80	2.06	2.03	-15.94
2,304.00	4.17	223.53	2,303.77	-2.15	-0.16	-2.15	1.82	1.82	1.49
2,399.00	5.41	218.39	2,398.44	-8.17	-5.32	-8.09	1.38	1.31	-5.41
2,493.00	3.80	206.24	2,492.13	-14.44	-9.45	-14.30	1.99	-1.71	-12.93
2,588.00	2.89	195.31	2,586.97	-19.57	-11.48	-19.41	1.17	-0.96	-11.51
2,683.00	2.18	183.78	2,681.88	-23.68	-12.23	-23.51	0.92	-0.75	-12.14
2,777.00	1.83	209.02	2,775.82	-26.78	-13.08	-26.59	1.00	-0.37	26.85
2,872.00	2.40	227.15	2,870.76	-29.46	-15.27	-29.24	0.92	0.60	19.08
2,967.00	3.24	242.60	2,965.65	-32.05	-19.11	-31.77	1.18	0.88	16.26
3,061.00	4.03	251.96	3,059.46	-34.29	-24.61	-33.94	1.05	0.84	9.96
3,156.00	4.65	258.57	3,154.18	-36.09	-31.56	-35.64	0.84	0.65	6.96
3,250.00	5.48	259.33	3,247.82	-37.68	-39.71	-37.11	0.89	0.88	0.81
3,345.00	5.82	257.47	3,342.35	-39.56	-48.87	-38.87	0.41	0.36	-1.96
3,439.00	5.04	249.03	3,435.93	-42.07	-57.37	-41.26	1.19	-0.83	-8.98
3,534.00	4.59	238.78	3,530.60	-45.54	-64.52	-44.62	1.02	-0.47	-10.79
3,629.00	3.91	233.64	3,625.34	-49.43	-70.38	-48.43	0.82	-0.72	-5.41
3,723.00	3.79	223.70	3,719.13	-53.57	-75.11	-52.50	0.72	-0.13	-10.57
3,818.00	3.71	213.25	3,813.93	-58.41	-78.96	-57.29	0.72	-0.08	-11.00
3,913.00	3.38	205.85	3,908.74	-63.50	-81.87	-62.34	0.59	-0.35	-7.79
4,007.00	2.56	201.69	4,002.62	-67.95	-83.85	-66.76	0.90	-0.87	-4.43
4,102.00	1.85	192.84	4,097.55	-71.42	-84.98	-70.21	0.83	-0.75	-9.32
4,197.00	1.26	182.37	4,192.51	-73.95	-85.36	-72.74	0.69	-0.62	-11.02



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
4,397.00	0.42	126.58	4,392.49	-76.59	-84.86	-75.38	0.54	-0.42	-27.90
4,492.00	0.45	145.22	4,487.49	-77.10	-84.37	-75.90	0.15	0.03	19.62
4,587.00	0.56	127.93	4,582.48	-77.69	-83.79	-76.50	0.20	0.12	-18.20
4,681.00	0.84	117.99	4,676.48	-78.30	-82.82	-77.12	0.32	0.30	-10.57
4,775.00	1.06	122.00	4,770.46	-79.08	-81.48	-77.92	0.24	0.23	4.27
4,870.00	1.15	113.88	4,865.45	-79.94	-79.86	-78.80	0.19	0.09	-8.55
4,965.00	2.51	45.49	4,960.40	-78.86	-77.50	-77.76	2.47	1.43	-71.99
5,059.00	2.83	356.53	5,054.31	-75.10	-76.18	-74.02	2.37	0.34	-52.09
5,154.00	1.84	313.13	5,149.24	-71.72	-77.43	-70.62	2.06	-1.04	-45.68
5,248.00	1.54	313.28	5,243.20	-69.82	-79.45	-68.69	0.32	-0.32	0.16
5,343.00	0.89	281.32	5,338.18	-68.80	-81.10	-67.65	0.96	-0.68	-33.64
5,438.00	0.71	263.64	5,433.17	-68.72	-82.41	-67.55	0.32	-0.19	-18.61
5,533.00	0.38	42.23	5,528.17	-68.55	-82.79	-67.37	1.08	-0.35	145.88
5,627.00	0.37	28.09	5,622.17	-68.05	-82.43	-66.88	0.10	-0.01	-15.04
5,722.00	0.15	46.22	5,717.16	-67.70	-82.20	-66.53	0.24	-0.23	19.08
5,817.00	0.34	52.61	5,812.16	-67.44	-81.89	-66.28	0.20	0.20	6.73
5,911.00	0.48	89.75	5,906.16	-67.27	-81.27	-66.11	0.31	0.15	39.51
6,006.00	0.63	93.06	6,001.16	-67.30	-80.35	-66.15	0.16	0.16	3.48
6,101.00	0.71	95.59	6,096.15	-67.38	-79.24	-66.25	0.09	0.08	2.66
6,195.00	1.28	146.37	6,190.14	-68.31	-78.08	-67.20	1.06	0.61	54.02
6,290.00	2.24	154.26	6,285.09	-70.87	-76.69	-69.78	1.04	1.01	8.31
6,384.00	4.11	164.67	6,378.94	-75.77	-75.00	-74.70	2.07	1.99	11.07
6,479.00	5.02	170.13	6,473.64	-83.15	-73.39	-82.10	1.06	0.96	5.75
6,574.00	6.35	170.57	6,568.17	-92.43	-71.81	-91.40	1.40	1.40	0.46
6,668.00	7.92	174.91	6,661.44	-104.01	-70.39	-103.00	1.76	1.67	4.62
6,763.00	8.59	184.02	6,755.46	-117.61	-70.30	-116.60	1.54	0.71	9.59
6,858.00	9.52	190.53	6,849.28	-132.41	-72.24	-131.37	1.46	0.98	6.85
6,952.00	10.47	185.86	6,941.85	-148.55	-74.53	-147.48	1.33	1.01	-4.97
7,047.00	10.74	183.48	7,035.23	-165.97	-75.95	-164.88	0.54	0.28	-2.51
7,141.00	11.52	181.98	7,127.46	-184.09	-76.80	-182.99	0.89	0.83	-1.60
7,236.00	10.86	181.95	7,220.66	-202.52	-77.44	-201.40	0.69	-0.69	-0.03
7,331.00	9.39	182.09	7,314.17	-219.21	-78.02	-218.08	1.55	-1.55	0.15
7,425.00	9.28	181.95	7,406.93	-234.44	-78.56	-233.31	0.12	-0.12	-0.15
7,520.00	9.38	181.84	7,500.67	-249.84	-79.07	-248.69	0.11	0.11	-0.12
7,615.00	9.77	181.65	7,594.35	-265.63	-79.55	-264.48	0.41	0.41	-0.20
7,709.00	10.45	182.26	7,686.89	-282.12	-80.12	-280.96	0.73	0.72	0.65
7,803.00	10.40	181.49	7,779.34	-299.12	-80.67	-297.95	0.16	-0.05	-0.82
7,895.00	10.17	180.24	7,869.86	-315.55	-80.92	-314.37	0.35	-0.25	-1.36
7,986.00	9.98	182.32	7,959.46	-331.46	-81.28	-330.28	0.45	-0.21	2.29
8,078.00	9.13	177.51	8,050.18	-346.72	-81.28	-345.53	1.27	-0.92	-5.23
8,171.00	9.72	174.93	8,141.92	-361.91	-80.27	-360.74	0.78	0.63	-2.77
8,264.00	11.54	172.02	8,233.32	-378.94	-78.28	-377.80	2.04	1.96	-3.13
8,359.00	11.82	168.67	8,326.36	-397.89	-75.05	-396.79	0.77	0.29	-3.53



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
8,454.00	10.69	167.87	8,419.53	-416.05	-71.29	-415.00	1.20	-1.19	-0.84
8,548.00	10.34	169.78	8,511.95	-432.87	-67.96	-431.87	0.53	-0.37	2.03
8,641.00	11.02	175.07	8,603.34	-449.94	-65.72	-448.97	1.28	0.73	5.69
8,736.00	11.21	175.30	8,696.56	-468.19	-64.18	-467.24	0.21	0.20	0.24
8,830.00	12.86	178.34	8,788.49	-487.76	-63.13	-486.82	1.88	1.76	3.23
8,925.00	13.92	176.03	8,880.91	-509.73	-62.03	-508.80	1.25	1.12	-2.43
9,020.00	16.42	179.08	8,972.59	-534.56	-61.02	-533.64	2.76	2.63	3.21
9,114.00	16.05	181.17	9,062.85	-560.83	-61.07	-559.91	0.74	-0.39	2.22
9,209.00	15.46	183.13	9,154.28	-586.60	-62.03	-585.67	0.84	-0.62	2.06
9,303.00	13.06	185.61	9,245.37	-609.69	-63.76	-608.72	2.63	-2.55	2.64
9,398.00	11.98	185.13	9,338.11	-630.19	-65.69	-629.20	1.14	-1.14	-0.51
9,492.00	12.44	190.01	9,429.99	-649.88	-68.32	-648.85	1.20	0.49	5.19
9,587.00	13.59	191.58	9,522.55	-670.89	-72.34	-669.80	1.27	1.21	1.65
9,681.00	14.87	189.18	9,613.66	-693.62	-76.48	-692.47	1.50	1.36	-2.55
Final SLB MWD Survey - Tie In									
9,769.00	15.72	187.02	9,698.55	-716.60	-79.74	-715.40	1.16	0.97	-2.45
First Phoenix MWD Survey									
9,864.00	10.59	190.44	9,791.02	-737.97	-82.90	-736.72	5.46	-5.40	3.60
9,958.00	5.16	336.44	9,884.58	-742.62	-86.17	-741.32	16.11	-5.78	155.32
10,053.00	13.93	20.22	9,978.27	-727.93	-83.92	-726.67	11.37	9.23	46.08
10,147.00	17.59	4.76	10,068.76	-703.14	-78.83	-701.95	5.89	3.89	-16.45
10,242.00	24.20	353.74	10,157.49	-669.42	-79.76	-668.23	8.07	6.96	-11.60
10,337.00	34.20	358.09	10,240.32	-623.26	-82.78	-622.03	10.75	10.53	4.58
10,431.00	47.88	353.37	10,311.07	-561.92	-87.71	-560.63	14.91	14.55	-5.02
10,526.00	54.20	355.06	10,370.78	-488.47	-95.10	-487.07	6.79	6.65	1.78
10,535.86	54.25	355.26	10,376.54	-480.50	-95.78	-479.09	1.69	0.49	2.00
FTP: 10535.86' MD, 54.25° Inc, 355.26° Azm									
10,620.00	54.67	356.93	10,425.46	-412.19	-100.44	-410.73	1.69	0.50	1.99
10,715.00	70.07	356.25	10,469.38	-328.43	-105.47	-326.91	16.22	16.21	-0.72
10,810.00	82.94	358.80	10,491.51	-236.34	-109.39	-234.77	13.80	13.55	2.68
10,904.00	88.56	359.92	10,498.47	-142.65	-110.43	-141.07	6.10	5.98	1.19
10,981.00	88.55	0.01	10,500.41	-65.67	-110.48	-64.10	0.12	-0.01	0.12
11,076.00	88.63	359.22	10,502.75	29.30	-111.12	30.87	0.84	0.08	-0.83
11,171.00	89.92	0.41	10,503.95	124.29	-111.43	125.85	1.85	1.36	1.25
11,266.00	89.34	359.69	10,504.57	219.28	-111.34	220.84	0.97	-0.61	-0.76
11,361.00	88.96	357.45	10,505.97	314.24	-113.71	315.82	2.39	-0.40	-2.36
11,456.00	89.38	355.49	10,507.35	409.04	-119.56	410.69	2.11	0.44	-2.06
11,551.00	89.48	355.60	10,508.30	503.75	-126.94	505.50	0.16	0.11	0.12
11,646.00	89.29	1.40	10,509.32	598.67	-129.43	600.44	6.11	-0.20	6.11
11,741.00	89.34	6.08	10,510.45	693.44	-123.23	695.11	4.93	0.05	4.93
11,835.00	88.21	9.98	10,512.46	786.47	-110.11	787.95	4.32	-1.20	4.15
11,930.00	90.37	10.01	10,513.64	880.02	-93.62	881.26	2.27	2.27	0.03
12,025.00	90.94	8.05	10,512.55	973.83	-78.71	974.85	2.15	0.60	-2.06
12,119.00	92.55	0.94	10,509.69	1,067.44	-71.35	1,068.34	7.75	1.71	-7.56



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
12,214.00	91.93	0.80	10,505.98	1,162.35	-69.91	1,163.22	0.67	-0.65	-0.15
12,309.00	91.56	1.47	10,503.08	1,257.29	-68.03	1,258.12	0.81	-0.39	0.71
12,403.00	90.78	359.75	10,501.16	1,351.26	-67.03	1,352.07	2.01	-0.83	-1.83
12,497.00	91.65	0.26	10,499.17	1,445.24	-67.02	1,446.04	1.07	0.93	0.54
12,590.00	91.17	359.48	10,496.88	1,538.21	-67.23	1,539.00	0.98	-0.52	-0.84
12,682.00	89.86	359.16	10,496.05	1,630.19	-68.32	1,631.00	1.47	-1.42	-0.35
12,776.00	90.28	359.00	10,495.94	1,724.18	-69.83	1,725.00	0.48	0.45	-0.17
12,869.00	89.83	359.59	10,495.85	1,817.17	-70.98	1,818.00	0.80	-0.48	0.63
12,962.00	90.09	359.90	10,495.91	1,910.17	-71.39	1,910.99	0.44	0.28	0.33
13,055.00	90.44	359.04	10,495.48	2,003.17	-72.25	2,003.99	1.00	0.38	-0.92
13,148.00	90.13	359.96	10,495.02	2,096.16	-73.06	2,096.99	1.04	-0.33	0.99
13,241.00	89.78	359.94	10,495.10	2,189.16	-73.14	2,189.98	0.38	-0.38	-0.02
13,335.00	89.24	358.62	10,495.90	2,283.15	-74.32	2,283.97	1.52	-0.57	-1.40
13,430.00	89.19	359.11	10,497.20	2,378.12	-76.21	2,378.96	0.52	-0.05	0.52
13,525.00	89.24	358.84	10,498.50	2,473.10	-77.91	2,473.95	0.29	0.05	-0.28
13,620.00	89.20	358.01	10,499.80	2,568.05	-80.52	2,568.93	0.87	-0.04	-0.87
13,714.00	89.52	357.37	10,500.85	2,661.97	-84.30	2,662.89	0.76	0.34	-0.68
13,809.00	89.62	356.88	10,501.56	2,756.84	-89.07	2,757.83	0.53	0.11	-0.52
13,904.00	88.89	357.35	10,502.79	2,851.72	-93.85	2,852.76	0.91	-0.77	0.49
13,999.00	90.18	0.32	10,503.56	2,946.68	-95.78	2,947.74	3.41	1.36	3.13
14,093.00	89.54	359.91	10,503.79	3,040.68	-95.59	3,041.73	0.81	-0.68	-0.44
14,188.00	88.85	359.20	10,505.13	3,135.67	-96.33	3,136.71	1.04	-0.73	-0.75
14,282.00	90.11	0.62	10,505.98	3,229.66	-96.48	3,230.70	2.02	1.34	1.51
14,377.00	89.40	359.90	10,506.39	3,324.65	-96.05	3,325.68	1.06	-0.75	-0.76
14,472.00	89.75	358.78	10,507.09	3,419.64	-97.14	3,420.68	1.24	0.37	-1.18
14,567.00	89.33	357.56	10,507.86	3,514.59	-100.17	3,515.66	1.36	-0.44	-1.28
14,661.00	88.63	357.09	10,509.53	3,608.47	-104.56	3,609.59	0.90	-0.74	-0.50
14,756.00	89.29	357.71	10,511.25	3,703.36	-108.87	3,704.53	0.95	0.69	0.65
14,851.00	89.98	359.22	10,511.86	3,798.32	-111.41	3,799.51	1.75	0.73	1.59
14,946.00	89.58	357.48	10,512.22	3,893.27	-114.15	3,894.50	1.88	-0.42	-1.83
15,041.00	90.30	358.04	10,512.32	3,988.20	-117.86	3,989.47	0.96	0.76	0.59
15,135.00	89.68	356.88	10,512.34	4,082.11	-122.03	4,083.42	1.40	-0.66	-1.23
15,230.00	89.46	357.00	10,513.05	4,176.97	-127.10	4,178.35	0.26	-0.23	0.13
15,325.00	90.23	357.36	10,513.31	4,271.85	-131.77	4,273.29	0.89	0.81	0.38
15,420.00	93.07	0.13	10,510.57	4,366.77	-133.85	4,368.23	4.17	2.99	2.92
15,515.00	89.91	359.41	10,508.10	4,461.73	-134.24	4,463.18	3.41	-3.33	-0.76
15,610.00	89.07	358.88	10,508.95	4,556.71	-135.65	4,558.17	1.05	-0.88	-0.56
15,704.00	89.21	357.54	10,510.36	4,650.65	-138.59	4,652.15	1.43	0.15	-1.43
15,799.00	89.98	359.07	10,511.03	4,745.60	-141.40	4,747.13	1.80	0.81	1.61
15,894.00	90.00	359.48	10,511.05	4,840.60	-142.60	4,842.13	0.43	0.02	0.43
15,989.00	89.37	358.54	10,511.57	4,935.58	-144.24	4,937.13	1.19	-0.66	-0.99
16,084.00	88.58	359.15	10,513.27	5,030.54	-146.16	5,032.11	1.05	-0.83	0.64
16,179.00	89.62	0.01	10,514.76	5,125.53	-146.85	5,127.09	1.42	1.09	0.91



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
16,274.00	89.92	359.69	10,515.14	5,220.52	-147.10	5,222.08	0.46	0.32	-0.34
16,369.00	89.68	358.97	10,515.48	5,315.52	-148.21	5,317.08	0.80	-0.25	-0.76
16,463.00	90.15	359.90	10,515.61	5,409.51	-149.14	5,411.08	1.11	0.50	0.99
16,558.00	90.37	359.54	10,515.18	5,504.51	-149.60	5,506.07	0.44	0.23	-0.38
16,653.00	90.32	359.26	10,514.61	5,599.50	-150.60	5,601.07	0.30	-0.05	-0.29
16,748.00	90.22	359.35	10,514.16	5,694.49	-151.75	5,696.07	0.14	-0.11	0.09
16,843.00	90.15	359.22	10,513.86	5,789.49	-152.94	5,791.07	0.16	-0.07	-0.14
16,937.00	90.29	359.31	10,513.50	5,883.48	-154.14	5,885.07	0.18	0.15	0.10
17,032.00	90.66	0.35	10,512.71	5,978.47	-154.42	5,980.06	1.16	0.39	1.09
17,127.00	90.17	1.06	10,512.02	6,073.46	-153.26	6,075.02	0.91	-0.52	0.75
17,222.00	90.11	0.98	10,511.79	6,168.45	-151.56	6,169.97	0.11	-0.06	-0.08
17,316.00	90.02	0.96	10,511.68	6,262.43	-149.97	6,263.93	0.10	-0.10	-0.02
17,411.00	90.13	0.81	10,511.56	6,357.42	-148.51	6,358.89	0.20	0.12	-0.16
17,506.00	90.49	0.80	10,511.04	6,452.41	-147.17	6,453.85	0.38	0.38	-0.01
17,601.00	90.31	1.71	10,510.38	6,547.38	-145.09	6,548.78	0.98	-0.19	0.96
17,696.00	90.23	1.76	10,509.93	6,642.34	-142.21	6,643.69	0.10	-0.08	0.05
17,790.00	90.96	1.60	10,508.96	6,736.29	-139.46	6,737.59	0.80	0.78	-0.17
17,885.00	90.20	2.17	10,507.99	6,831.24	-136.33	6,832.48	1.00	-0.80	0.60
17,980.00	90.32	1.61	10,507.56	6,926.18	-133.20	6,927.37	0.60	0.13	-0.59
18,074.00	90.44	1.65	10,506.94	7,020.14	-130.53	7,021.29	0.13	0.13	0.04
18,169.00	90.21	2.30	10,506.40	7,115.08	-127.25	7,116.17	0.73	-0.24	0.68
18,264.00	89.13	2.50	10,506.95	7,210.00	-123.27	7,211.02	1.16	-1.14	0.21
18,359.00	90.24	0.84	10,507.47	7,304.95	-120.51	7,305.93	2.10	1.17	-1.75
18,454.00	90.08	358.71	10,507.21	7,399.94	-120.88	7,400.91	2.25	-0.17	-2.24
18,548.00	90.53	357.64	10,506.71	7,493.89	-123.87	7,494.90	1.23	0.48	-1.14
18,643.00	90.61	357.84	10,505.76	7,588.82	-127.62	7,589.86	0.23	0.08	0.21
18,738.00	90.80	357.10	10,504.59	7,683.72	-131.81	7,684.81	0.80	0.20	-0.78
18,833.00	91.25	356.87	10,502.89	7,778.57	-136.81	7,779.73	0.53	0.47	-0.24
18,928.00	90.96	357.85	10,501.06	7,873.45	-141.18	7,874.66	1.08	-0.31	1.03
19,023.00	89.20	359.10	10,500.93	7,968.41	-143.71	7,969.64	2.27	-1.85	1.32
19,118.00	89.82	358.83	10,501.74	8,063.39	-145.43	8,064.64	0.71	0.65	-0.28
19,212.00	89.62	359.13	10,502.20	8,157.37	-147.10	8,158.64	0.38	-0.21	0.32
19,307.00	88.44	358.31	10,503.81	8,252.33	-149.22	8,253.62	1.51	-1.24	-0.86
19,402.00	89.75	359.19	10,505.31	8,347.30	-151.29	8,348.60	1.66	1.38	0.93
19,496.00	89.89	359.35	10,505.60	8,441.29	-152.49	8,442.60	0.23	0.15	0.17
19,591.00	89.37	359.44	10,506.22	8,536.28	-153.49	8,537.60	0.56	-0.55	0.09
19,685.00	89.76	359.42	10,506.93	8,630.27	-154.43	8,631.59	0.42	0.41	-0.02
19,780.00	89.60	359.24	10,507.46	8,725.26	-155.54	8,726.59	0.25	-0.17	-0.19
19,875.00	89.97	359.42	10,507.82	8,820.26	-156.65	8,821.59	0.43	0.39	0.19
19,970.00	89.75	359.01	10,508.05	8,915.25	-157.95	8,916.59	0.49	-0.23	-0.43
20,064.00	89.68	359.27	10,508.52	9,009.24	-159.36	9,010.59	0.29	-0.07	0.28
20,159.00	89.66	359.23	10,509.06	9,104.23	-160.61	9,105.59	0.05	-0.02	-0.04
20,254.00	89.63	359.28	10,509.65	9,199.22	-161.84	9,200.59	0.06	-0.03	0.05
20,348.00	89.87	359.77	10,510.06	9,293.21	-162.62	9,294.58	0.58	0.26	0.52



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

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)
20,443.00	90.23	358.71	10,509.98	9,388.20	-163.88	9,389.58	1.18	0.38	-1.12
20,538.00	90.06	359.76	10,509.74	9,483.19	-165.15	9,484.58	1.12	-0.18	1.11
20,632.00	89.83	359.35	10,509.83	9,577.19	-165.88	9,578.58	0.50	-0.24	-0.44
20,727.00	90.41	358.83	10,509.63	9,672.18	-167.39	9,673.58	0.82	0.61	-0.55
20,821.00	90.47	358.39	10,508.91	9,766.15	-169.67	9,767.57	0.47	0.06	-0.47
20,916.00	90.36	358.92	10,508.22	9,861.12	-171.90	9,862.56	0.57	-0.12	0.56
21,011.00	90.55	358.92	10,507.47	9,956.10	-173.69	9,957.56	0.20	0.20	0.00
21,105.00	90.76	359.39	10,506.39	10,050.08	-175.08	10,051.55	0.55	0.22	0.50
21,200.00	91.46	359.15	10,504.55	10,145.05	-176.29	10,146.53	0.78	0.74	-0.25
21,295.00	91.18	359.67	10,502.36	10,240.02	-177.26	10,241.51	0.62	-0.29	0.55
21,389.00	91.13	359.96	10,500.47	10,334.00	-177.57	10,335.48	0.31	-0.05	0.31
21,484.00	91.13	358.71	10,498.59	10,428.98	-178.67	10,430.46	1.32	0.00	-1.32
21,579.00	90.23	358.87	10,497.47	10,523.95	-180.68	10,525.45	0.96	-0.95	0.17
21,674.00	90.19	358.61	10,497.12	10,618.92	-182.76	10,620.45	0.28	-0.04	-0.27
21,768.00	90.17	359.41	10,496.82	10,712.91	-184.39	10,714.45	0.85	-0.02	0.85
21,863.00	89.97	359.13	10,496.71	10,807.90	-185.60	10,809.45	0.36	-0.21	-0.29
21,957.00	89.93	359.30	10,496.79	10,901.89	-186.89	10,903.44	0.19	-0.04	0.18
22,052.00	90.55	358.62	10,496.39	10,996.87	-188.61	10,998.44	0.97	0.65	-0.72
22,147.00	90.31	358.43	10,495.68	11,091.84	-191.06	11,093.43	0.32	-0.25	-0.20
22,241.00	90.33	359.31	10,495.15	11,185.82	-192.91	11,187.43	0.94	0.02	0.94
22,336.00	89.72	0.08	10,495.11	11,280.82	-193.42	11,282.42	1.03	-0.64	0.81
22,430.00	89.53	358.67	10,495.73	11,374.81	-194.44	11,376.42	1.51	-0.20	-1.50
22,525.00	90.39	359.77	10,495.79	11,469.80	-195.73	11,471.42	1.47	0.91	1.16
22,620.00	90.15	0.19	10,495.35	11,564.79	-195.77	11,566.41	0.51	-0.25	0.44
22,714.00	90.17	0.94	10,495.08	11,658.79	-194.84	11,660.38	0.80	0.02	0.80
22,809.00	89.76	0.89	10,495.14	11,753.78	-193.32	11,755.34	0.43	-0.43	-0.05
22,903.00	89.86	359.69	10,495.45	11,847.77	-192.85	11,849.32	1.28	0.11	-1.28
22,998.00	89.98	358.93	10,495.59	11,942.77	-193.99	11,944.31	0.81	0.13	-0.80
23,093.00	90.34	358.72	10,495.32	12,037.74	-195.94	12,039.31	0.44	0.38	-0.22
23,187.00	89.68	358.83	10,495.30	12,131.72	-197.95	12,133.31	0.71	-0.70	0.12
23,282.00	90.52	359.40	10,495.14	12,226.71	-199.42	12,228.31	1.07	0.88	0.60
23,376.00	91.41	1.92	10,493.56	12,320.68	-198.33	12,322.25	2.84	0.95	2.68
23,471.00	90.42	0.66	10,492.04	12,415.64	-196.20	12,417.18	1.69	-1.04	-1.33
23,566.00	90.36	359.90	10,491.39	12,510.64	-195.73	12,512.16	0.80	-0.06	-0.80
23,579.43	90.42	359.74	10,491.30	12,524.07	-195.77	12,525.58	1.25	0.47	-1.16
LTP: 23579.43' MD, 90.42° Inc, 359.74° Azm									
23,585.00	90.45	359.68	10,491.26	12,529.64	-195.80	12,531.15	1.25	0.47	-1.16
Final Phoenix MWD Survey									
23,625.00	90.45	359.68	10,490.94	12,569.64	-196.02	12,571.15	0.00	0.00	0.00
Projection to TD									



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Pure Gold MDP1 29_17 Federal Com 176H
Project:	Eddy County, NM (NAD83-NME)	TVD Reference:	RKB @ 3384.00usft (H&P 479)
Site:	Pure Gold MDP1 29_17	MD Reference:	RKB @ 3384.00usft (H&P 479)
Well:	Pure Gold MDP1 29_17 Federal Com 176H	North Reference:	Grid
Wellbore:	OH / 68390	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USA Compass

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
480.40	480.39	1.31	1.55	SLB Tie In
528.00	527.99	1.27	1.68	First SLB MWD Survey
9,681.00	9,613.66	-693.62	-76.48	Final SLB MWD Survey
9,681.00	9,613.66	-693.62	-76.48	Tie In
9,769.00	9,698.55	-716.60	-79.74	First Phoenix MWD Survey
10,535.86	10,376.54	-480.50	-95.78	FTP: 10535.86' MD, 54.25° Inc, 355.26° Azm
23,579.43	10,491.30	12,524.07	-195.77	LTP: 23579.43' MD, 90.42° Inc, 359.74° Azm
23,585.00	10,491.26	12,529.64	-195.80	Final Phoenix MWD Survey
23,625.00	10,490.94	12,569.64	-196.02	Projection to TD

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 98945

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 98945
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 98945

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 98945
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	COA: RT expires on 08/26/22	8/3/2022