

C-104 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Section 1 - Operator and Well Information

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: SAKER 6-7 FEDERAL COM 4H	Property Code: 330848
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal	API Number: 30-0 25-50472
Pool Name: Antelope Ridge; Bone Spring	Pool Code: 2200

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	6	24S	35E	1	180 FNL	730 FEL	32.253325°	-103.400506°	LEA

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Flowing	11/21/24	11680-21510' MD	11376-11630' TVD

Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☒ Yes ☐ No, Order No. pending w/BLM
Surface Casing Action ID: 361212	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 367050	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: NA	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 373249	Surface Commingling: ☒ Yes ☐ No, Order No. PLC-943
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: NA	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ 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.	
Name Jana Mendiola	<i>Jana Mendiola</i>
Title Regulatory Advisor	Date 12/19/24

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-025-50472	Pool Code 2200	Pool Name Antelope Ridge; Bone Spring
Property Code 330848	Property Name SAKER 6_7 FED COM	Well Number 4H
OGRID No. 16696	Operator Name OXY USA INC.	Ground Level Elevation 3450.1'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal

Surface Location

UL 1	Section 6	Township 24S	Range 35E	Lot	Ft. from N/S 180 NORTH	Ft. from E/W 730 EAST	Latitude (NAD 83) 32.253325°	Longitude (NAD 83) -103.400506°	County LEA
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Bottom Hole Location

UL P	Section 7	Township 24S	Range 35E	Lot	Ft. from N/S 54 SOUTH	Ft. from E/W 1,173 EAST	Latitude (NAD 83) 32.224932°	Longitude (NAD 83) -103.401857°	County LEA
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Dedicated Acres 640.06	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.		Well setbacks are under Common Ownership: ☐ Yes ☐ No		

Kick Off Point (KOP)

UL 1	Section 6	Township 24S	Range 35E	Lot	Ft. from N/S 21 NORTH	Ft. from E/W 1,283 EAST	Latitude (NAD 83) 32.253761°	Longitude (NAD 83) -103.402297°	County LEA
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First Take Point (FTP)

UL 1	Section 6	Township 24S	Range 35E	Lot	Ft. from N/S 569 NORTH	Ft. from E/W 1,200 EAST	Latitude (NAD 83) 32.252254°	Longitude (NAD 83) -103.402023°	County LEA
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Last Take Point (LTP)

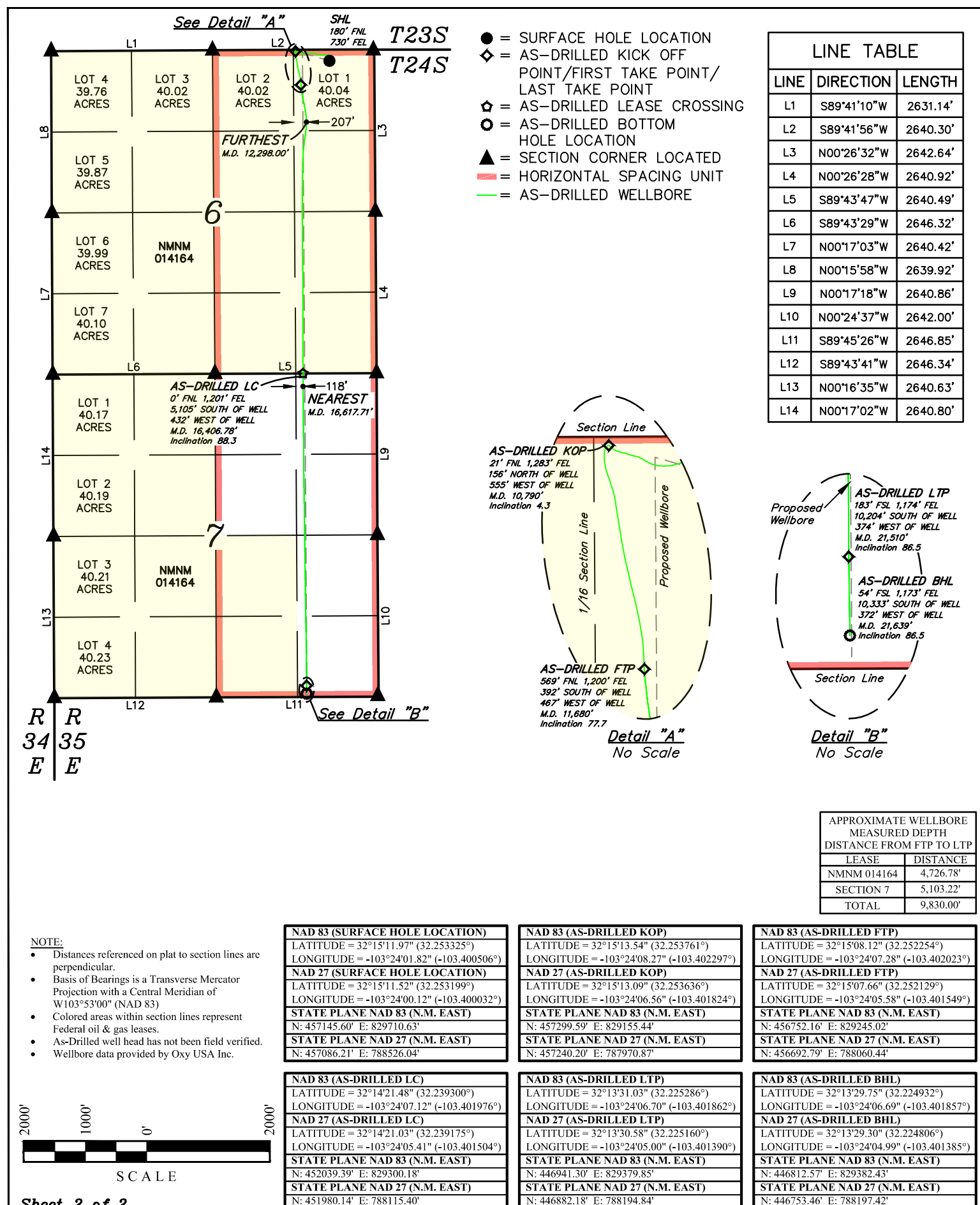
UL P	Section 7	Township 24S	Range 35E	Lot	Ft. from N/S 183 SOUTH	Ft. from E/W 1,174 EAST	Latitude (NAD 83) 32.225286°	Longitude (NAD 83) -103.401862°	County LEA
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Jana Mendiola</i> 12/19/24	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 
Signature Jana Mendiola	Signature and Seal of Professional Surveyor 23782 April 22, 2024
Printed Name janalyn_mendiola@oxy.com	Certificate Number Date of Survey
Email Address	

Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name SAKER 6_7 FED COM	Well Number 4H	Drawn By D.M.C. 11-08-24	Revised By
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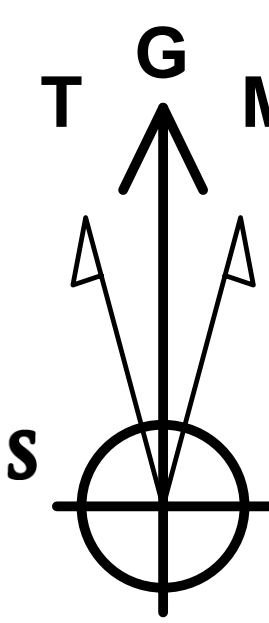




Project: Lea County, NM (NAD83-NME)
Site: Saker 6_7
Well: Saker 6_7 Fed Com 4H
Wellbore: OH / 74968
Design: Plan 4 07-09-24
Rig: H&P 479

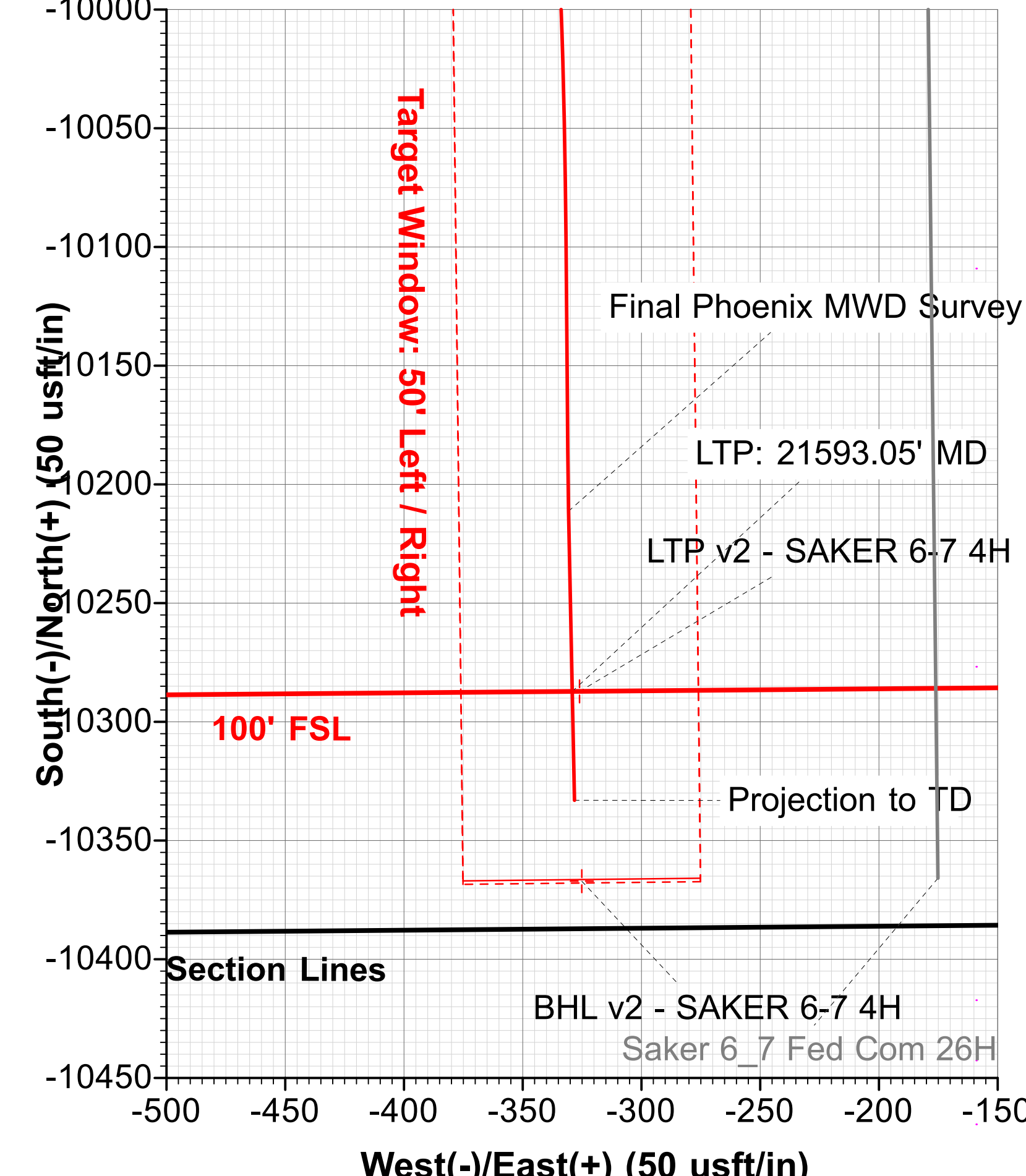
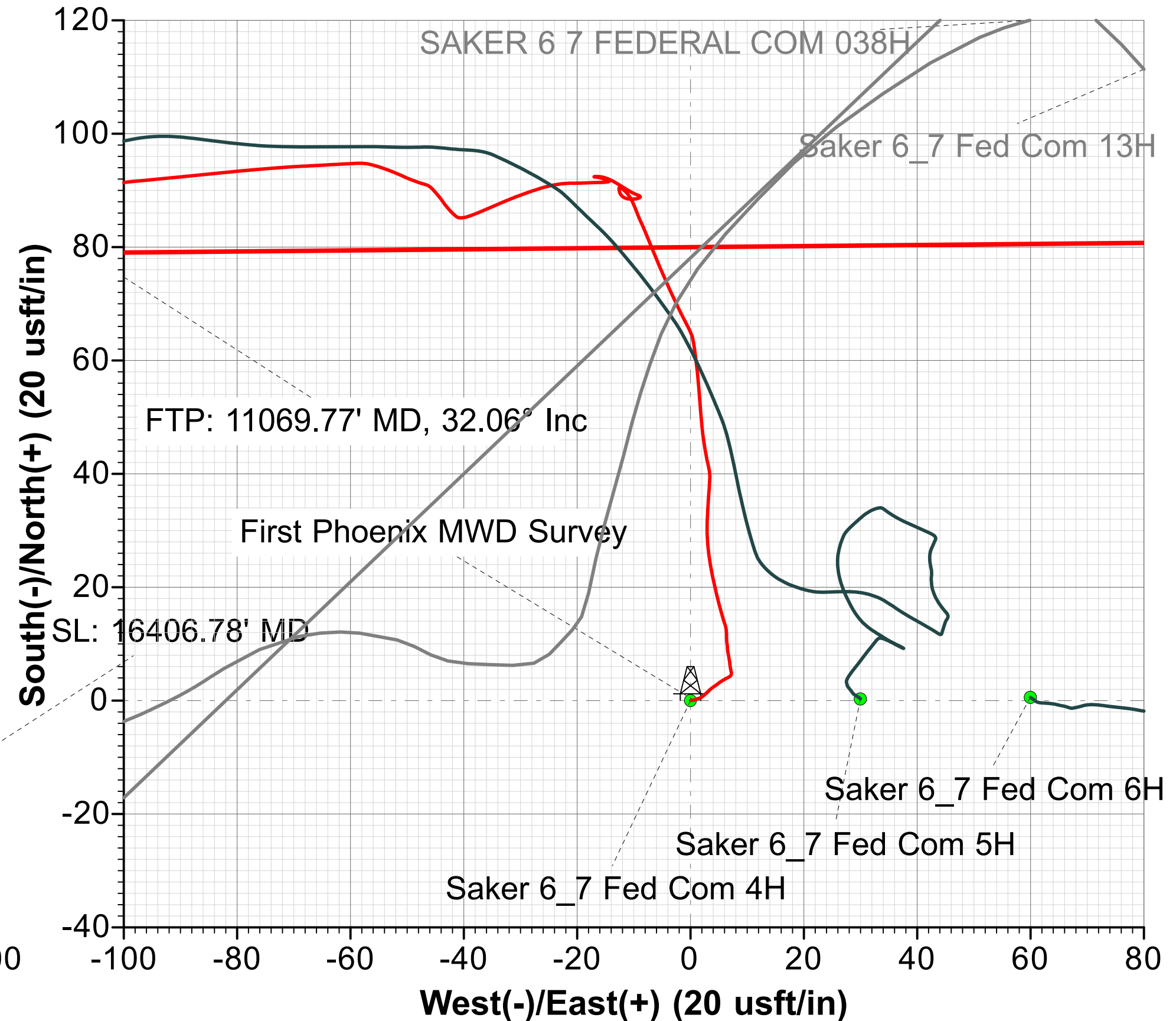
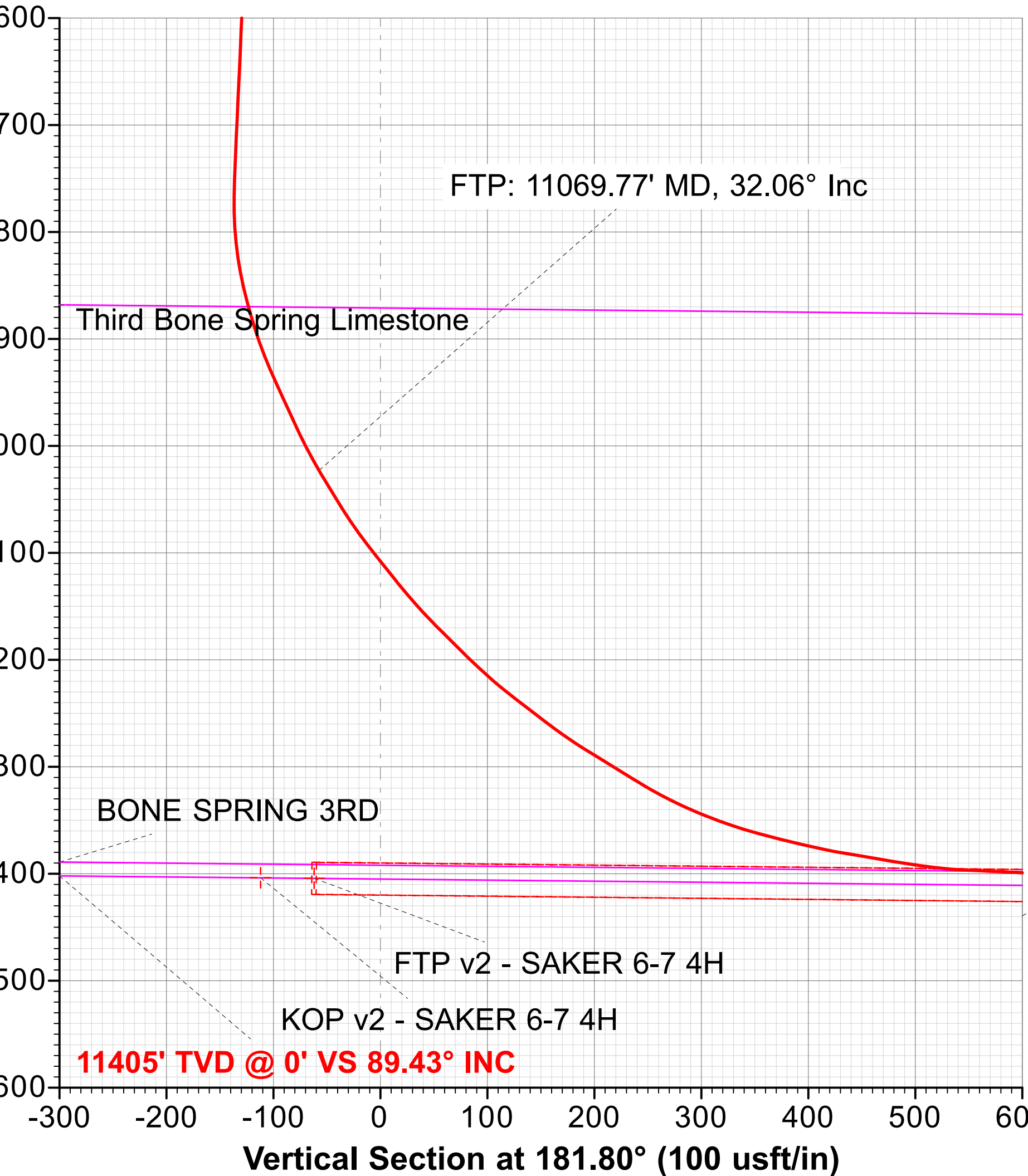
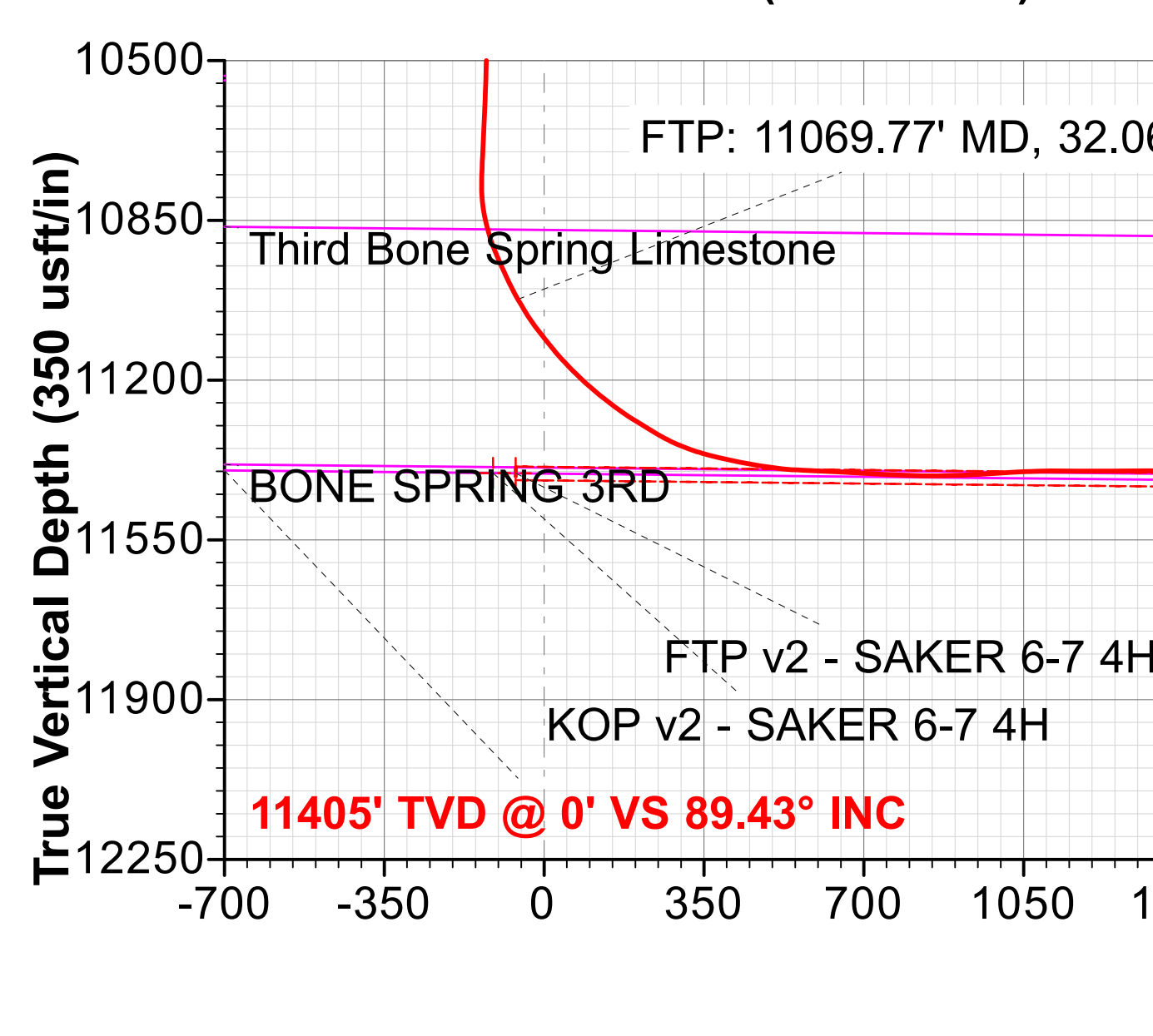
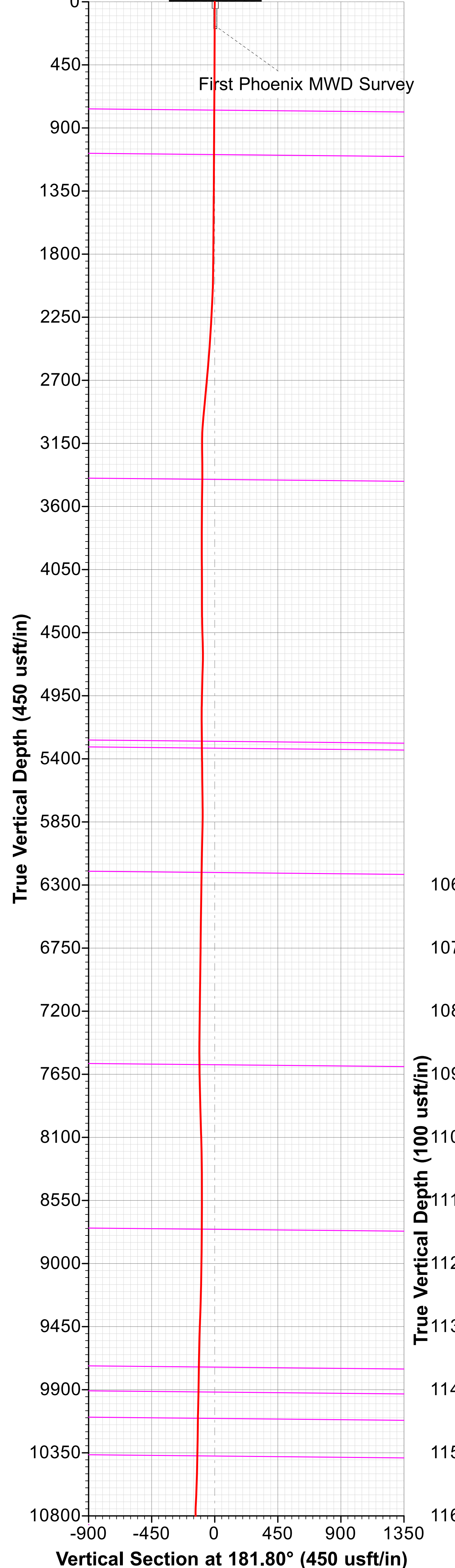
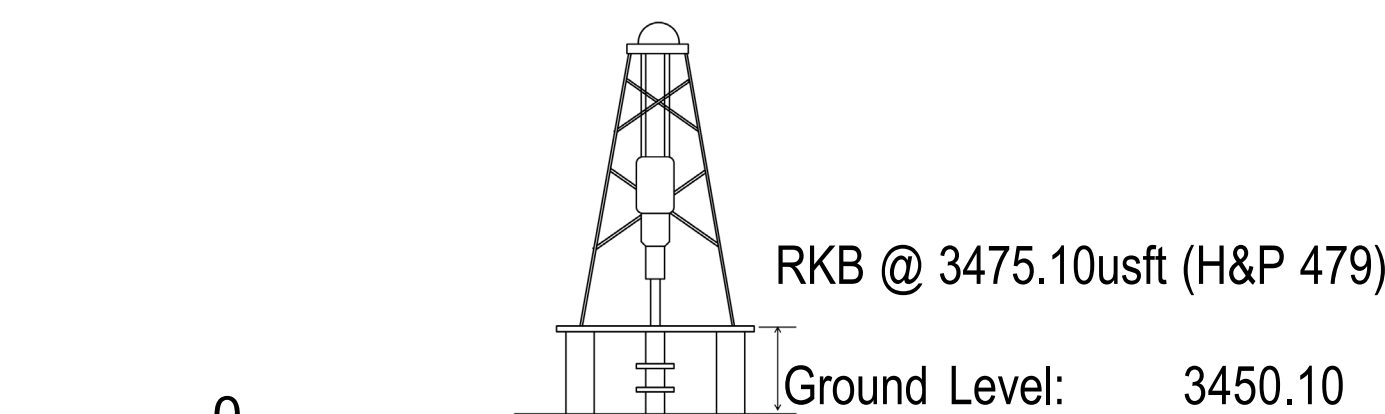


PHOENIX
TECHNOLOGY SERVICES



Azimuths to Grid North
True North: -0.50°
Magnetic North: 5.73°

Magnetic Field
Strength: 47383.7nT
Dip Angle: 59.80°
Date: 7/5/2024
Model: IFR

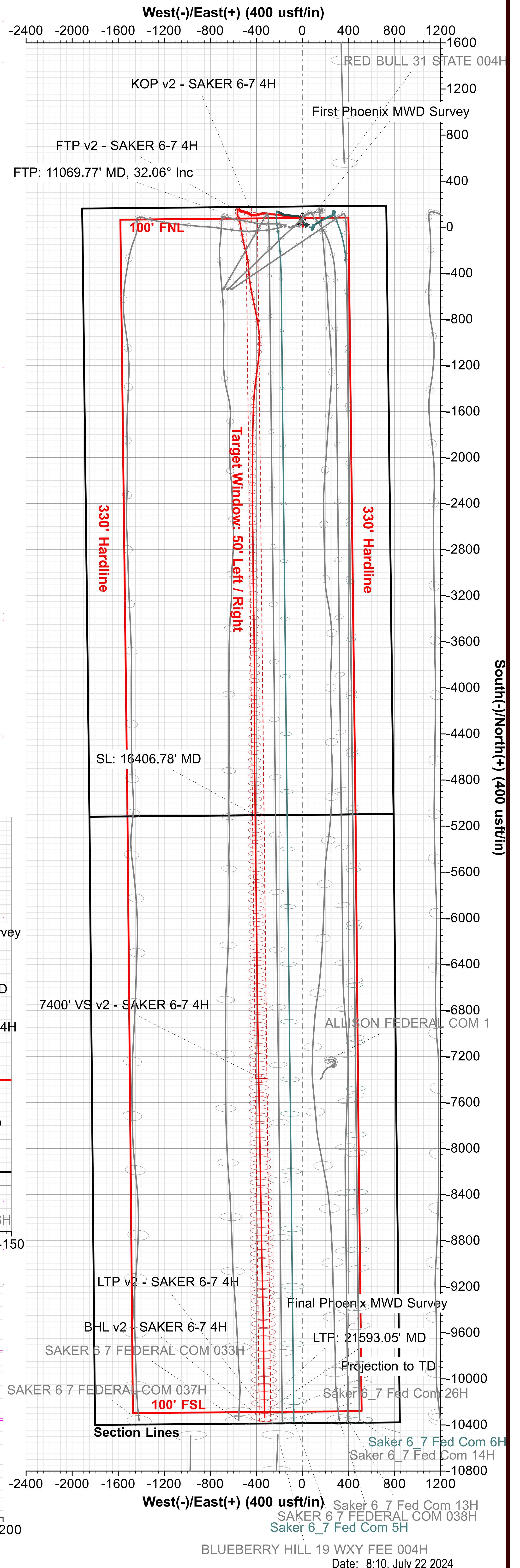


WELL DETAILS						
Ground Level: 3450.10						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	457145.60	829710.63	32° 15' 11.968422 N	103° 24' 1.820082 W	

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
169.00	0.42	82.17	169.00	0.09	0.58	-0.11	0.59	First Phoenix MWD Survey	
11069.77	32.06	160.59	11023.06	74.74	-554.70	-57.32	761.82	FTP: 11069.77' MD, 32.06° Inc	
16406.78	88.34	179.82	11439.52	-5106.22	-410.45	5116.58	5963.61	SL: 16406.78' MD	
21517.00	86.46	178.84	11629.94	-10211.29	-330.66	10216.64	11069.41	Final Phoenix MWD Survey	
21593.05	86.46	178.84	11634.64	-10287.18	-329.13	10292.44	11145.31	LTP: 21593.05' MD	
21639.00	86.46	178.84	11637.47	-10333.03	-328.20	10338.24	11191.17	Projection to TD	

FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
773.07	773.09	RUSTLER	
1090.05	1090.09	SALADO	
3406.22	3409.59	CASTILE	
5274.19	5279.66	DELAWARE	
5323.19	5328.83	BELL CANYON	
6210.17	6219.71	CHERRY CANYON	
7581.02	7602.27	BRUSHY CANYON	
8755.18	8781.01	BONE SPRING	
9737.98	9765.65	First Bone Spring Limestone	
9915.95	9944.12	BONE SPRING 1ST	
10103.91	10132.69	Second Bone Spring Limestone	
10371.87	10401.21	BONE SPRING 2ND	
10869.78	10900.18	Third Bone Spring Limestone	
11395.48	11658.59	BONE SPRING 3RD	
11409.61	11784.45	11405' TVD @ 0° VS 89.43° INC	

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone
Local Origin: Well Saker 6_7 Fed Com 4H, Grid North
Latitude: 32° 15' 11.968422 N
Longitude: 103° 24' 1.820082 W
Grid East: 829710.63
Grid North: 457145.60
Scale Factor: 1.000
Geomagnetic Model: IFR
Sample Date: 05-Jul-24
Magnetic Declination: 6.225°
Dip Angle from Horizontal: 59.803°
Magnetic Field Strength: 47383.7000000nT
To convert a Magnetic Direction to a Grid Direction, Add 5.727°
To convert a Magnetic Direction to a True Direction, Add 6.225° East
To convert a True Direction to a Grid Direction, Subtract 0.498°





OXY USA INC.

Lea County, NM (NAD83-NME)

Saker 6_7

Saker 6_7 Fed Com 4H

3002550472

OH / 74968

Design: Surveys (H&P 479)

Standard Survey Report

22 July, 2024





Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

Project	Lea 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	Saker 6_7		
Site Position:		Northing:	457,145.60 usft
From:	Map	Easting:	829,710.63 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 15' 11.968422 N
		Longitude:	103° 24' 1.820082 W

Well	Saker 6_7 Fed Com 4H		
Well Position	+N/-S	0.00 usft	Northing: 457,145.60 usft
	+E/-W	0.00 usft	Easting: 829,710.63 usft
Position Uncertainty	2.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.498 °	Ground Level:	3,450.10 usft

Wellbore	OH / 74968				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	7/5/2024	6.225	59.803	47,383.70000000

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	181.80	

Survey Program	Date	7/22/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	1,065.75	Phoenix MWD Surveys - Surf - SQC Final	A009Mc_MWD+IFR1+SA	MWD+IFR1+Sag	
1,080.00	10,840.50	Phoenix MWD Surveys - Int - SQC Final (C	SQC_C705Mb_MWD+IFF	MWD+IFR1+Sag+FDIR	
10,855.00	21,639.00	Phoenix MWD Surveys - Prod - SQC Final	SQC_C705Mb_MWD+IFF	MWD+IFR1+Sag+FDIR	

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	
42.25	0.10	78.83	42.25	0.00	0.01	0.00	0.58	0.58	0.00	
56.33	0.14	79.21	56.33	0.01	0.04	-0.01	0.28	0.28	2.70	
70.42	0.17	79.59	70.42	0.02	0.08	-0.02	0.21	0.21	2.70	
84.50	0.21	79.97	84.50	0.02	0.13	-0.03	0.28	0.28	2.70	
98.58	0.24	80.34	98.58	0.03	0.18	-0.04	0.21	0.21	2.63	
112.67	0.28	80.71	112.67	0.04	0.24	-0.05	0.28	0.28	2.63	



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
126.75	0.31	81.08	126.75	0.06	0.32	-0.07	0.21	0.21	2.63
140.83	0.35	81.45	140.83	0.07	0.40	-0.08	0.28	0.28	2.63
154.92	0.38	81.81	154.92	0.08	0.49	-0.10	0.21	0.21	2.56
169.00	0.42	82.17	169.00	0.09	0.58	-0.11	0.28	0.28	2.56
First Phoenix MWD Survey									
182.57	0.39	89.10	182.57	0.10	0.68	-0.12	0.42	-0.22	51.07
196.14	0.41	87.76	196.14	0.10	0.77	-0.13	0.16	0.15	-9.87
209.71	0.66	56.33	209.71	0.15	0.89	-0.18	2.78	1.84	-231.61
223.29	0.62	60.71	223.29	0.23	1.02	-0.26	0.47	-0.29	32.25
236.86	0.59	65.66	236.86	0.29	1.14	-0.33	0.44	-0.22	36.48
250.43	0.56	71.19	250.43	0.34	1.27	-0.38	0.46	-0.22	40.75
264.00	0.54	77.27	263.99	0.38	1.39	-0.42	0.45	-0.15	44.80
276.80	0.51	74.45	276.79	0.41	1.51	-0.45	0.31	-0.23	-22.03
289.60	0.47	71.24	289.59	0.44	1.61	-0.49	0.38	-0.31	-25.08
302.40	0.44	67.58	302.39	0.48	1.71	-0.53	0.33	-0.23	-28.59
315.20	0.41	63.39	315.19	0.51	1.79	-0.57	0.34	-0.23	-32.73
328.00	0.38	58.58	327.99	0.56	1.87	-0.62	0.35	-0.23	-37.58
341.43	0.38	57.04	341.42	0.60	1.95	-0.67	0.08	0.00	-11.47
354.86	0.39	55.62	354.85	0.65	2.02	-0.72	0.10	0.07	-10.57
368.29	0.40	54.30	368.28	0.71	2.10	-0.77	0.10	0.07	-9.83
381.71	0.40	53.10	381.70	0.76	2.17	-0.83	0.06	0.00	-8.94
395.14	0.41	51.99	395.13	0.82	2.25	-0.89	0.09	0.07	-8.27
408.57	0.42	50.98	408.56	0.88	2.32	-0.95	0.09	0.07	-7.52
422.00	0.42	50.07	421.99	0.94	2.40	-1.02	0.05	0.00	-6.78
435.57	0.42	48.85	435.56	1.01	2.48	-1.09	0.07	0.00	-8.99
449.14	0.43	47.70	449.13	1.08	2.55	-1.16	0.10	0.07	-8.47
462.71	0.43	46.62	462.70	1.15	2.63	-1.23	0.06	0.00	-7.96
476.29	0.43	45.62	476.28	1.22	2.70	-1.30	0.06	0.00	-7.36
489.86	0.43	44.68	489.85	1.29	2.77	-1.37	0.05	0.00	-6.93
503.43	0.44	43.82	503.42	1.36	2.84	-1.45	0.09	0.07	-6.34
517.00	0.44	43.02	516.99	1.44	2.92	-1.53	0.05	0.00	-5.90
530.43	0.45	43.97	530.42	1.51	2.99	-1.61	0.09	0.07	7.07
543.86	0.45	44.95	543.85	1.59	3.06	-1.68	0.06	0.00	7.30
557.29	0.46	45.95	557.28	1.66	3.14	-1.76	0.10	0.07	7.45
570.71	0.47	46.97	570.70	1.74	3.22	-1.84	0.10	0.07	7.60
584.14	0.48	48.00	584.13	1.81	3.30	-1.92	0.10	0.07	7.67
597.57	0.49	49.05	597.55	1.89	3.38	-1.99	0.10	0.07	7.82
611.00	0.50	50.12	610.98	1.96	3.47	-2.07	0.10	0.07	7.97
624.57	0.50	50.84	624.55	2.04	3.56	-2.15	0.05	0.00	5.31
638.14	0.51	51.59	638.12	2.11	3.66	-2.23	0.09	0.07	5.53
651.71	0.52	52.37	651.69	2.19	3.75	-2.31	0.09	0.07	5.75
665.29	0.53	53.18	665.27	2.26	3.85	-2.38	0.09	0.07	5.96
678.86	0.53	54.01	678.84	2.34	3.95	-2.46	0.06	0.00	6.12



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
692.43	0.54	54.86	692.41	2.41	4.06	-2.54	0.09	0.07	6.26
706.00	0.55	55.74	705.98	2.49	4.16	-2.62	0.10	0.07	6.48
719.57	0.56	55.10	719.55	2.56	4.27	-2.69	0.09	0.07	-4.72
733.14	0.57	54.52	733.12	2.64	4.38	-2.77	0.08	0.07	-4.27
746.71	0.57	54.01	746.69	2.72	4.49	-2.86	0.04	0.00	-3.76
760.29	0.58	53.55	760.27	2.80	4.60	-2.94	0.08	0.07	-3.39
773.86	0.59	53.15	773.84	2.88	4.71	-3.03	0.08	0.07	-2.95
787.43	0.60	52.80	787.41	2.96	4.82	-3.11	0.08	0.07	-2.58
801.00	0.61	52.50	800.98	3.05	4.94	-3.20	0.08	0.07	-2.21
814.57	0.61	53.45	814.54	3.14	5.05	-3.30	0.07	0.00	7.00
828.14	0.62	54.42	828.11	3.22	5.17	-3.38	0.11	0.07	7.15
841.71	0.63	55.41	841.68	3.31	5.29	-3.47	0.11	0.07	7.30
855.29	0.63	56.42	855.26	3.39	5.41	-3.56	0.08	0.00	7.44
868.86	0.64	57.45	868.83	3.48	5.54	-3.65	0.11	0.07	7.59
882.43	0.65	58.49	882.40	3.56	5.67	-3.73	0.11	0.07	7.66
896.00	0.66	59.55	895.97	3.64	5.80	-3.82	0.12	0.07	7.81
910.00	0.66	60.60	909.97	3.72	5.94	-3.90	0.09	0.00	7.50
924.00	0.66	61.68	923.97	3.79	6.08	-3.98	0.09	0.00	7.71
938.00	0.66	62.80	937.97	3.87	6.23	-4.06	0.09	0.00	8.00
952.00	0.67	63.95	951.97	3.94	6.37	-4.14	0.12	0.07	8.21
966.00	0.67	65.13	965.96	4.01	6.52	-4.22	0.10	0.00	8.43
980.25	0.61	62.11	980.21	4.08	6.66	-4.29	0.48	-0.42	-21.19
994.50	0.55	58.51	994.46	4.15	6.79	-4.37	0.49	-0.42	-25.26
1,008.75	0.50	54.17	1,008.71	4.23	6.90	-4.44	0.45	-0.35	-30.46
1,023.00	0.45	48.88	1,022.96	4.30	6.99	-4.52	0.47	-0.35	-37.12
1,037.25	0.40	42.39	1,037.21	4.37	7.06	-4.59	0.49	-0.35	-45.54
1,051.50	0.36	34.45	1,051.46	4.45	7.12	-4.67	0.46	-0.28	-55.72
1,065.75	0.33	24.88	1,065.71	4.52	7.17	-4.74	0.46	-0.21	-67.16
1,080.00	0.31	13.78	1,079.96	4.60	7.19	-4.82	0.46	-0.14	-77.89
1,093.57	0.31	9.70	1,093.53	4.67	7.21	-4.89	0.16	0.00	-30.07
1,107.14	0.31	5.69	1,107.10	4.74	7.22	-4.96	0.16	0.00	-29.55
1,120.71	0.31	1.75	1,120.67	4.81	7.22	-5.04	0.16	0.00	-29.03
1,134.29	0.32	357.92	1,134.25	4.89	7.22	-5.11	0.17	0.07	-28.20
1,147.86	0.32	354.22	1,147.82	4.96	7.22	-5.19	0.15	0.00	-27.27
1,161.43	0.33	350.65	1,161.39	5.04	7.21	-5.26	0.17	0.07	-26.31
1,175.00	0.33	347.22	1,174.96	5.12	7.19	-5.34	0.15	0.00	-25.28
1,188.57	0.34	347.21	1,188.53	5.19	7.17	-5.42	0.07	0.07	-0.07
1,202.14	0.34	347.23	1,202.10	5.27	7.16	-5.49	0.00	0.00	0.15
1,215.71	0.35	347.27	1,215.67	5.35	7.14	-5.57	0.07	0.07	0.29
1,229.29	0.35	347.35	1,229.25	5.43	7.12	-5.65	0.00	0.00	0.59
1,242.86	0.36	347.44	1,242.82	5.52	7.10	-5.74	0.07	0.07	0.66
1,256.43	0.36	347.56	1,256.39	5.60	7.08	-5.82	0.01	0.00	0.88
1,270.00	0.36	347.70	1,269.96	5.68	7.06	-5.90	0.01	0.00	1.03
1,283.57	0.38	348.94	1,283.53	5.77	7.05	-5.99	0.16	0.15	9.14



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
1,297.14	0.39	350.11	1,297.10	5.86	7.03	-6.07	0.09	0.07	8.62
1,310.71	0.41	351.23	1,310.67	5.95	7.01	-6.17	0.16	0.15	8.25
1,324.29	0.42	352.31	1,324.25	6.05	7.00	-6.26	0.09	0.07	7.95
1,337.86	0.43	353.34	1,337.82	6.15	6.99	-6.36	0.09	0.07	7.59
1,351.43	0.45	354.35	1,351.39	6.25	6.98	-6.47	0.16	0.15	7.44
1,365.00	0.46	355.32	1,364.96	6.36	6.97	-6.57	0.09	0.07	7.15
1,378.57	0.46	354.49	1,378.52	6.47	6.96	-6.68	0.05	0.00	-6.12
1,392.14	0.46	353.69	1,392.09	6.58	6.95	-6.79	0.05	0.00	-5.90
1,405.71	0.46	352.91	1,405.66	6.68	6.93	-6.90	0.05	0.00	-5.75
1,419.29	0.46	352.16	1,419.24	6.79	6.92	-7.01	0.04	0.00	-5.52
1,432.86	0.46	351.43	1,432.81	6.90	6.90	-7.11	0.04	0.00	-5.38
1,446.43	0.46	350.73	1,446.38	7.01	6.89	-7.22	0.04	0.00	-5.16
1,460.00	0.45	350.04	1,459.95	7.11	6.87	-7.33	0.08	-0.07	-5.08
1,473.57	0.45	350.00	1,473.52	7.22	6.85	-7.43	0.00	0.00	-0.29
1,487.14	0.44	349.99	1,487.09	7.32	6.83	-7.53	0.07	-0.07	-0.07
1,500.71	0.43	350.00	1,500.66	7.42	6.81	-7.63	0.07	-0.07	0.07
1,514.29	0.42	350.03	1,514.24	7.52	6.80	-7.73	0.07	-0.07	0.22
1,527.86	0.40	350.10	1,527.81	7.62	6.78	-7.83	0.15	-0.15	0.52
1,541.43	0.39	350.19	1,541.38	7.71	6.76	-7.92	0.07	-0.07	0.66
1,555.00	0.38	350.32	1,554.95	7.80	6.75	-8.01	0.07	-0.07	0.96
1,568.57	0.37	350.20	1,568.52	7.89	6.73	-8.10	0.07	-0.07	-0.88
1,582.14	0.36	350.10	1,582.09	7.97	6.72	-8.18	0.07	-0.07	-0.74
1,595.71	0.35	350.03	1,595.66	8.06	6.70	-8.26	0.07	-0.07	-0.52
1,609.29	0.34	349.98	1,609.24	8.14	6.69	-8.34	0.07	-0.07	-0.37
1,622.86	0.32	349.97	1,622.81	8.21	6.68	-8.42	0.15	-0.15	-0.07
1,636.43	0.31	349.98	1,636.38	8.29	6.66	-8.49	0.07	-0.07	0.07
1,650.00	0.30	350.04	1,649.95	8.36	6.65	-8.56	0.07	-0.07	0.44
1,663.57	0.39	349.82	1,663.52	8.44	6.64	-8.64	0.66	0.66	-1.62
1,677.14	0.49	349.71	1,677.09	8.54	6.62	-8.74	0.74	0.74	-0.81
1,690.71	0.59	349.66	1,690.66	8.67	6.60	-8.87	0.74	0.74	-0.37
1,704.29	0.68	349.63	1,704.24	8.82	6.57	-9.02	0.66	0.66	-0.22
1,717.86	0.78	349.62	1,717.80	8.99	6.54	-9.19	0.74	0.74	-0.07
1,731.43	0.57	355.37	1,731.37	9.14	6.52	-9.34	1.62	-1.55	42.37
1,745.00	0.45	1.30	1,744.94	9.26	6.51	-9.46	0.96	-0.88	43.70
1,758.57	0.45	359.64	1,758.51	9.37	6.51	-9.57	0.10	0.00	-12.23
1,772.14	0.46	358.06	1,772.08	9.48	6.51	-9.68	0.12	0.07	-11.64
1,785.71	0.47	356.56	1,785.65	9.59	6.50	-9.79	0.12	0.07	-11.05
1,799.29	0.48	355.14	1,799.23	9.70	6.50	-9.90	0.11	0.07	-10.46
1,812.86	0.48	353.78	1,812.80	9.81	6.49	-10.01	0.08	0.00	-10.02
1,826.43	0.49	352.50	1,826.37	9.93	6.47	-10.13	0.11	0.07	-9.43
1,840.00	0.50	351.27	1,839.94	10.04	6.46	-10.24	0.11	0.07	-9.06
1,853.57	0.52	352.50	1,853.51	10.16	6.44	-10.36	0.17	0.15	9.06
1,867.14	0.55	353.65	1,867.08	10.29	6.42	-10.49	0.23	0.22	8.47



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
1,880.71	0.57	354.72	1,880.65	10.42	6.41	-10.62	0.17	0.15	7.89
1,894.29	0.59	355.73	1,894.23	10.56	6.40	-10.75	0.17	0.15	7.44
1,907.86	0.61	356.69	1,907.80	10.70	6.39	-10.89	0.16	0.15	7.07
1,921.43	0.64	357.59	1,921.37	10.85	6.38	-11.04	0.23	0.22	6.63
1,935.00	0.66	358.46	1,934.94	11.00	6.38	-11.20	0.16	0.15	6.41
1,948.43	0.76	358.63	1,948.36	11.17	6.37	-11.36	0.74	0.74	1.27
1,961.86	0.87	358.77	1,961.79	11.36	6.37	-11.55	0.82	0.82	1.04
1,975.29	0.97	358.90	1,975.22	11.57	6.36	-11.77	0.74	0.74	0.97
1,988.71	1.08	359.02	1,988.64	11.81	6.36	-12.01	0.82	0.82	0.89
2,002.14	1.18	359.12	2,002.07	12.08	6.35	-12.27	0.74	0.74	0.74
2,015.57	1.28	359.22	2,015.49	12.37	6.35	-12.56	0.74	0.74	0.74
2,029.00	1.90	346.59	2,028.92	12.73	6.30	-12.93	5.28	4.62	-94.04
2,042.57	2.52	342.00	2,042.48	13.24	6.15	-13.42	4.75	4.57	-33.82
2,056.14	2.56	342.62	2,056.03	13.81	5.97	-13.99	0.36	0.29	4.57
2,069.71	2.61	343.24	2,069.59	14.39	5.79	-14.57	0.42	0.37	4.57
2,083.29	2.66	343.84	2,083.16	14.99	5.61	-15.16	0.42	0.37	4.42
2,096.86	2.71	344.41	2,096.71	15.60	5.44	-15.77	0.42	0.37	4.20
2,110.43	2.76	344.94	2,110.27	16.23	5.27	-16.39	0.41	0.37	3.91
2,124.00	2.80	345.38	2,123.82	16.87	5.10	-17.02	0.33	0.29	3.24
2,137.57	2.84	345.75	2,137.37	17.51	4.93	-17.66	0.32	0.29	2.73
2,151.14	2.87	346.06	2,150.93	18.17	4.77	-18.31	0.25	0.22	2.28
2,164.71	2.90	346.36	2,164.48	18.83	4.61	-18.97	0.25	0.22	2.21
2,178.29	2.93	346.68	2,178.04	19.50	4.44	-19.63	0.25	0.22	2.36
2,191.86	2.96	347.03	2,191.59	20.18	4.29	-20.31	0.26	0.22	2.58
2,205.43	3.00	347.44	2,205.15	20.87	4.13	-20.99	0.33	0.29	3.02
2,219.00	3.03	347.93	2,218.70	21.57	3.98	-21.68	0.29	0.22	3.61
2,232.57	3.07	348.56	2,232.25	22.27	3.83	-22.38	0.38	0.29	4.64
2,246.14	3.12	349.28	2,245.80	22.99	3.69	-23.10	0.47	0.37	5.31
2,259.71	3.17	350.08	2,259.35	23.73	3.56	-23.83	0.49	0.37	5.90
2,273.29	3.22	350.93	2,272.91	24.47	3.43	-24.57	0.51	0.37	6.26
2,286.86	3.27	351.86	2,286.45	25.23	3.32	-25.32	0.54	0.37	6.85
2,300.43	3.33	352.88	2,300.00	26.01	3.21	-26.09	0.62	0.44	7.52
2,314.00	3.39	354.00	2,313.55	26.80	3.12	-26.88	0.66	0.44	8.25
2,327.43	3.45	355.36	2,326.95	27.59	3.05	-27.68	0.75	0.45	10.13
2,340.86	3.52	356.78	2,340.36	28.41	2.99	-28.49	0.83	0.52	10.57
2,354.29	3.58	358.21	2,353.76	29.24	2.96	-29.32	0.80	0.45	10.65
2,367.71	3.65	359.59	2,367.16	30.08	2.94	-30.16	0.83	0.52	10.28
2,381.14	3.72	0.85	2,380.56	30.95	2.94	-31.02	0.80	0.52	9.38
2,394.57	3.79	1.93	2,393.96	31.83	2.97	-31.90	0.74	0.52	8.04
2,408.00	3.86	2.74	2,407.36	32.72	3.00	-32.80	0.66	0.52	6.03
2,421.57	3.93	3.28	2,420.90	33.64	3.05	-33.72	0.58	0.52	3.98
2,435.14	3.99	3.59	2,434.44	34.58	3.11	-34.66	0.47	0.44	2.28
2,448.71	4.05	3.80	2,447.97	35.53	3.17	-35.61	0.46	0.44	1.55



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
2,462.29	4.11	3.97	2,461.52	36.49	3.23	-36.57	0.45	0.44	1.25
2,475.86	4.18	4.19	2,475.05	37.47	3.30	-37.55	0.53	0.52	1.62
2,489.43	4.24	4.53	2,488.59	38.46	3.38	-38.55	0.48	0.44	2.51
2,503.00	4.23	0.91	2,502.12	39.46	3.43	-39.55	1.97	-0.07	-26.68
2,516.57	4.24	350.53	2,515.65	40.46	3.35	-40.54	5.64	0.07	-76.49
2,530.14	4.43	346.57	2,529.18	41.46	3.15	-41.54	2.61	1.40	-29.18
2,543.71	4.54	347.97	2,542.71	42.50	2.91	-42.57	1.14	0.81	10.32
2,557.29	4.66	349.45	2,556.25	43.57	2.70	-43.63	1.24	0.88	10.90
2,570.86	4.78	350.88	2,569.77	44.67	2.51	-44.72	1.24	0.88	10.54
2,584.43	4.90	352.18	2,583.30	45.80	2.34	-45.85	1.20	0.88	9.58
2,598.00	4.99	353.27	2,596.81	46.96	2.19	-47.00	0.96	0.66	8.03
2,611.57	5.05	354.07	2,610.33	48.14	2.06	-48.18	0.68	0.44	5.90
2,625.14	5.09	354.66	2,623.85	49.33	1.95	-49.37	0.48	0.29	4.35
2,638.71	5.11	355.09	2,637.37	50.53	1.84	-50.57	0.32	0.15	3.17
2,652.29	5.13	355.38	2,650.89	51.74	1.74	-51.77	0.24	0.15	2.14
2,665.86	5.15	355.54	2,664.41	52.95	1.64	-52.98	0.18	0.15	1.18
2,679.43	5.17	355.55	2,677.92	54.17	1.55	-54.19	0.15	0.15	0.07
2,693.00	5.20	355.35	2,691.44	55.39	1.45	-55.41	0.26	0.22	-1.47
2,706.57	5.24	354.85	2,704.95	56.62	1.34	-56.64	0.45	0.29	-3.68
2,720.14	5.30	354.19	2,718.46	57.86	1.22	-57.87	0.63	0.44	-4.86
2,733.71	5.36	353.48	2,731.97	59.12	1.09	-59.12	0.66	0.44	-5.23
2,747.29	5.43	352.80	2,745.49	60.38	0.94	-60.38	0.70	0.52	-5.01
2,760.86	5.51	352.22	2,759.00	61.67	0.77	-61.66	0.72	0.59	-4.27
2,774.43	5.59	351.84	2,772.51	62.97	0.59	-62.95	0.65	0.59	-2.80
2,788.00	5.47	343.33	2,786.02	64.24	0.31	-64.22	6.10	-0.88	-62.71
2,801.57	5.53	332.25	2,799.52	65.44	-0.18	-65.40	7.83	0.44	-81.65
2,815.14	5.65	332.69	2,813.03	66.61	-0.79	-66.55	0.94	0.88	3.24
2,828.71	5.79	333.27	2,826.53	67.82	-1.41	-67.74	1.12	1.03	4.27
2,842.29	5.93	333.91	2,840.04	69.06	-2.03	-68.96	1.14	1.03	4.71
2,855.86	6.06	334.56	2,853.54	70.33	-2.64	-70.22	1.08	0.96	4.79
2,869.43	6.18	335.19	2,867.03	71.64	-3.26	-71.51	1.01	0.88	4.64
2,883.00	6.28	335.76	2,880.52	72.98	-3.87	-72.83	0.87	0.74	4.20
2,896.57	6.33	336.25	2,894.01	74.34	-4.47	-74.17	0.54	0.37	3.61
2,910.14	6.35	336.67	2,907.49	75.72	-5.07	-75.52	0.37	0.15	3.10
2,923.71	6.34	337.05	2,920.98	77.10	-5.66	-76.88	0.32	-0.07	2.80
2,937.29	6.33	337.39	2,934.48	78.48	-6.24	-78.25	0.29	-0.07	2.50
2,950.86	6.30	337.70	2,947.97	79.86	-6.81	-79.61	0.33	-0.22	2.28
2,964.43	5.94	337.85	2,961.46	81.20	-7.36	-80.93	2.66	-2.65	1.11
2,978.00	5.04	337.26	2,974.97	82.40	-7.85	-82.11	6.65	-6.63	-4.35
2,991.57	4.47	336.39	2,988.49	83.43	-8.30	-83.13	4.23	-4.20	-6.41
3,005.14	4.39	336.66	3,002.02	84.39	-8.71	-84.08	0.61	-0.59	1.99
3,018.71	4.31	336.90	3,015.55	85.34	-9.12	-85.01	0.60	-0.59	1.77
3,032.29	4.21	337.11	3,029.09	86.27	-9.51	-85.93	0.75	-0.74	1.55
3,045.86	4.13	337.24	3,042.63	87.18	-9.90	-86.82	0.59	-0.59	0.96



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)	
3,059.43	3.99	336.72	3,056.16	88.06	-10.27	-87.70	1.07	-1.03	-3.83	
3,073.00	3.21	327.25	3,069.70	88.82	-10.66	-88.44	7.21	-5.75	-69.79	
3,086.43	2.14	319.06	3,083.12	89.32	-11.03	-88.93	8.44	-7.97	-60.98	
3,099.86	1.37	317.02	3,096.54	89.63	-11.31	-89.23	5.75	-5.73	-15.19	
3,113.29	1.32	314.56	3,109.97	89.85	-11.53	-89.45	0.57	-0.37	-18.32	
3,126.71	1.28	311.48	3,123.39	90.06	-11.75	-89.65	0.60	-0.30	-22.95	
3,140.14	1.24	307.91	3,136.81	90.25	-11.97	-89.83	0.66	-0.30	-26.58	
3,153.57	1.20	304.02	3,150.24	90.42	-12.21	-89.99	0.68	-0.30	-28.97	
3,167.00	0.90	282.76	3,163.67	90.52	-12.43	-90.09	3.62	-2.23	-158.30	
3,180.57	0.76	214.49	3,177.24	90.47	-12.58	-90.03	6.92	-1.03	-503.10	
3,194.14	1.19	172.50	3,190.81	90.26	-12.61	-89.82	5.94	3.17	-309.43	
3,207.71	1.11	167.81	3,204.37	89.99	-12.57	-89.55	0.91	-0.59	-34.56	
3,221.29	1.04	162.19	3,217.95	89.74	-12.50	-89.31	0.93	-0.52	-41.38	
3,234.86	0.98	155.78	3,231.52	89.52	-12.42	-89.09	0.94	-0.44	-47.24	
3,248.43	0.94	148.89	3,245.09	89.32	-12.31	-88.89	0.90	-0.29	-50.77	
3,262.00	0.90	142.08	3,258.65	89.14	-12.19	-88.71	0.86	-0.29	-50.18	
3,275.57	0.91	133.37	3,272.22	88.98	-12.04	-88.56	1.02	0.07	-64.19	
3,289.14	0.93	124.94	3,285.79	88.84	-11.88	-88.43	1.01	0.15	-62.12	
3,302.71	0.98	117.12	3,299.36	88.73	-11.68	-88.32	1.03	0.37	-57.63	
3,316.29	1.04	110.12	3,312.94	88.63	-11.46	-88.23	1.01	0.44	-51.55	
3,329.86	1.11	104.00	3,326.50	88.56	-11.22	-88.16	0.99	0.52	-45.10	
3,343.43	1.20	98.71	3,340.07	88.50	-10.95	-88.12	1.03	0.66	-38.98	
3,357.00	1.30	94.19	3,353.64	88.47	-10.66	-88.09	1.03	0.74	-33.31	
3,370.57	1.22	91.12	3,367.21	88.46	-10.36	-88.09	0.77	-0.59	-22.62	
3,384.14	1.15	87.44	3,380.77	88.46	-10.08	-88.10	0.76	-0.52	-27.12	
3,397.71	1.08	83.22	3,394.34	88.48	-9.82	-88.13	0.79	-0.52	-31.10	
3,411.29	1.01	78.59	3,407.92	88.52	-9.57	-88.18	0.81	-0.52	-34.09	
3,424.86	0.95	73.75	3,421.49	88.58	-9.35	-88.24	0.75	-0.44	-35.67	
3,438.43	0.90	69.05	3,435.05	88.65	-9.14	-88.32	0.67	-0.37	-34.64	
3,452.00	0.85	65.02	3,448.62	88.73	-8.95	-88.40	0.58	-0.37	-29.70	
3,465.57	0.67	5.65	3,462.19	88.85	-8.85	-88.53	5.67	-1.33	-437.51	
3,479.14	1.22	306.43	3,475.76	89.01	-8.96	-88.69	7.73	4.05	-436.40	
3,492.71	2.26	292.32	3,489.32	89.20	-9.32	-88.86	8.23	7.66	-103.98	
3,506.29	2.33	294.10	3,502.89	89.41	-9.82	-89.06	0.74	0.52	13.11	
3,519.86	2.34	296.75	3,516.45	89.65	-10.32	-89.28	0.80	0.07	19.53	
3,533.43	2.35	299.36	3,530.01	89.91	-10.81	-89.53	0.79	0.07	19.23	
3,547.00	2.35	301.53	3,543.57	90.19	-11.29	-89.80	0.66	0.00	15.99	
3,560.57	2.29	302.27	3,557.13	90.48	-11.76	-90.07	0.49	-0.44	5.45	
3,574.14	2.22	302.19	3,570.69	90.77	-12.21	-90.34	0.52	-0.52	-0.59	
3,587.71	2.14	301.48	3,584.25	91.04	-12.65	-90.60	0.62	-0.59	-5.23	
3,601.29	2.05	300.27	3,597.82	91.30	-13.07	-90.84	0.74	-0.66	-8.91	
3,614.86	1.96	298.60	3,611.38	91.53	-13.49	-91.06	0.79	-0.66	-12.31	
3,628.43	1.86	296.49	3,624.94	91.74	-13.89	-91.26	0.90	-0.74	-15.55	



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
3,642.00	1.75	293.89	3,638.51	91.92	-14.27	-91.43	1.01	-0.81	-19.16
3,655.57	1.61	291.81	3,652.07	92.08	-14.64	-91.57	1.13	-1.03	-15.33
3,669.14	1.46	289.31	3,665.63	92.20	-14.98	-91.69	1.21	-1.11	-18.42
3,682.71	1.32	286.25	3,679.20	92.30	-15.29	-91.78	1.17	-1.03	-22.55
3,696.29	1.17	282.48	3,692.78	92.38	-15.58	-91.84	1.26	-1.10	-27.76
3,709.86	1.04	277.87	3,706.34	92.43	-15.84	-91.88	1.16	-0.96	-33.97
3,723.43	0.92	272.40	3,719.91	92.45	-16.07	-91.90	1.12	-0.88	-40.31
3,737.00	0.82	266.31	3,733.48	92.44	-16.27	-91.89	1.00	-0.74	-44.88
3,750.57	0.71	266.54	3,747.05	92.43	-16.45	-91.87	0.81	-0.81	1.69
3,764.14	0.60	266.81	3,760.62	92.42	-16.61	-91.86	0.81	-0.81	1.99
3,777.71	0.49	267.16	3,774.19	92.42	-16.74	-91.85	0.81	-0.81	2.58
3,791.29	0.38	267.67	3,787.77	92.41	-16.84	-91.84	0.81	-0.81	3.76
3,804.86	0.26	268.51	3,801.34	92.41	-16.92	-91.83	0.88	-0.88	6.19
3,818.43	0.15	270.44	3,814.91	92.41	-16.96	-91.83	0.81	-0.81	14.22
3,832.00	0.04	282.40	3,828.48	92.41	-16.99	-91.83	0.82	-0.81	88.14
3,845.57	0.06	93.36	3,842.05	92.41	-16.98	-91.83	0.73	0.15	1,259.84
3,859.14	0.16	95.76	3,855.62	92.41	-16.96	-91.83	0.74	0.74	17.69
3,872.71	0.27	96.38	3,869.19	92.40	-16.91	-91.83	0.81	0.81	4.57
3,886.29	0.37	96.71	3,882.77	92.40	-16.83	-91.82	0.74	0.74	2.43
3,899.86	0.47	96.94	3,896.34	92.38	-16.73	-91.81	0.74	0.74	1.69
3,913.43	0.58	97.12	3,909.91	92.37	-16.61	-91.80	0.81	0.81	1.33
3,927.00	0.68	97.28	3,923.48	92.35	-16.46	-91.79	0.74	0.74	1.18
3,940.57	0.75	100.62	3,937.04	92.32	-16.29	-91.77	0.60	0.52	24.61
3,954.14	0.82	103.43	3,950.61	92.28	-16.11	-91.73	0.59	0.52	20.71
3,967.71	0.89	105.81	3,964.18	92.23	-15.92	-91.69	0.58	0.52	17.54
3,981.29	0.96	107.85	3,977.76	92.17	-15.71	-91.63	0.57	0.52	15.02
3,994.86	1.04	109.62	3,991.33	92.09	-15.48	-91.56	0.63	0.59	13.04
4,008.43	1.11	111.16	4,004.90	92.00	-15.24	-91.48	0.56	0.52	11.35
4,022.00	1.19	112.52	4,018.46	91.90	-14.99	-91.39	0.62	0.59	10.02
4,035.57	1.14	110.36	4,032.03	91.80	-14.74	-91.29	0.49	-0.37	-15.92
4,049.14	1.09	108.33	4,045.60	91.71	-14.49	-91.21	0.47	-0.37	-14.96
4,062.71	0.44	139.40	4,059.17	91.63	-14.33	-91.14	5.52	-4.79	228.96
4,076.29	0.80	248.05	4,072.75	91.56	-14.38	-91.06	7.58	2.65	800.07
4,089.86	1.40	262.26	4,086.31	91.50	-14.64	-91.00	4.82	4.42	104.72
4,103.43	1.41	264.79	4,099.88	91.46	-14.97	-90.95	0.46	0.07	18.64
4,117.00	1.45	266.82	4,113.44	91.44	-15.30	-90.91	0.48	0.29	14.96
4,130.57	1.49	267.97	4,127.01	91.42	-15.65	-90.89	0.37	0.29	8.47
4,144.14	1.55	268.39	4,140.58	91.41	-16.01	-90.87	0.45	0.44	3.10
4,157.71	1.62	268.39	4,154.14	91.40	-16.39	-90.84	0.52	0.52	0.00
4,171.29	1.69	268.17	4,167.71	91.39	-16.78	-90.82	0.52	0.52	-1.62
4,184.86	1.77	267.89	4,181.28	91.38	-17.19	-90.79	0.59	0.59	-2.06
4,198.43	1.84	267.68	4,194.84	91.36	-17.62	-90.76	0.52	0.52	-1.55
4,212.00	1.90	267.65	4,208.40	91.34	-18.06	-90.73	0.44	0.44	-0.22



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
4,225.57	1.94	267.86	4,221.97	91.32	-18.51	-90.70	0.30	0.29	1.55
4,239.14	1.96	268.26	4,235.53	91.31	-18.97	-90.67	0.18	0.15	2.95
4,252.71	1.98	268.73	4,249.09	91.30	-19.44	-90.64	0.19	0.15	3.46
4,266.29	2.00	269.13	4,262.66	91.29	-19.91	-90.62	0.18	0.15	2.95
4,279.86	2.02	269.35	4,276.22	91.28	-20.39	-90.60	0.16	0.15	1.62
4,293.43	2.04	269.22	4,289.79	91.27	-20.87	-90.58	0.15	0.15	-0.96
4,307.00	2.07	268.55	4,303.35	91.26	-21.35	-90.55	0.28	0.22	-4.94
4,320.57	2.12	267.10	4,316.91	91.25	-21.85	-90.52	0.54	0.37	-10.69
4,334.14	2.18	265.23	4,330.47	91.21	-22.36	-90.47	0.68	0.44	-13.78
4,347.71	2.25	263.17	4,344.03	91.16	-22.88	-90.40	0.78	0.52	-15.18
4,361.29	2.35	261.12	4,357.60	91.08	-23.42	-90.30	0.95	0.74	-15.10
4,374.86	2.45	259.21	4,371.16	90.99	-23.98	-90.19	0.94	0.74	-14.08
4,388.43	2.58	257.55	4,384.71	90.87	-24.56	-90.05	1.10	0.96	-12.23
4,402.00	2.73	256.24	4,398.27	90.72	-25.17	-89.89	1.19	1.11	-9.65
4,415.43	2.92	254.63	4,411.68	90.56	-25.81	-89.70	1.53	1.41	-11.99
4,428.86	3.12	253.28	4,425.09	90.36	-26.49	-89.49	1.58	1.49	-10.05
4,442.29	3.34	252.17	4,438.50	90.14	-27.22	-89.24	1.70	1.64	-8.27
4,455.71	3.56	251.23	4,451.90	89.88	-27.98	-88.96	1.69	1.64	-7.00
4,469.14	3.76	250.43	4,465.30	89.60	-28.79	-88.65	1.54	1.49	-5.96
4,482.57	3.95	249.72	4,478.70	89.29	-29.64	-88.32	1.46	1.41	-5.29
4,496.00	4.11	249.07	4,492.10	88.96	-30.53	-87.96	1.24	1.19	-4.84
4,509.57	4.20	248.36	4,505.63	88.60	-31.44	-87.57	0.76	0.66	-5.23
4,523.14	4.26	247.72	4,519.16	88.23	-32.37	-87.17	0.56	0.44	-4.72
4,536.71	4.28	247.17	4,532.70	87.84	-33.30	-86.75	0.34	0.15	-4.05
4,550.29	4.25	246.74	4,546.24	87.45	-34.23	-86.33	0.32	-0.22	-3.17
4,563.86	4.19	246.47	4,559.77	87.05	-35.15	-85.91	0.47	-0.44	-1.99
4,577.43	4.06	246.43	4,573.31	86.66	-36.04	-85.49	0.96	-0.96	-0.29
4,591.00	3.85	246.77	4,586.84	86.29	-36.90	-85.09	1.56	-1.55	2.51
4,604.57	3.52	247.85	4,600.39	85.95	-37.71	-84.73	2.48	-2.43	7.96
4,618.14	3.13	249.67	4,613.93	85.67	-38.44	-84.42	2.98	-2.87	13.41
4,631.71	2.70	252.41	4,627.49	85.44	-39.09	-84.17	3.33	-3.17	20.19
4,645.29	2.28	256.36	4,641.05	85.28	-39.66	-83.99	3.34	-3.09	29.09
4,658.86	1.91	261.81	4,654.61	85.18	-40.15	-83.88	3.09	-2.73	40.16
4,672.43	1.67	270.27	4,668.18	85.15	-40.57	-83.84	2.63	-1.77	62.34
4,686.00	1.88	286.70	4,681.74	85.22	-40.98	-83.89	4.04	1.55	121.08
4,699.57	2.47	309.94	4,695.30	85.47	-41.42	-84.13	7.73	4.35	171.26
4,713.14	2.41	313.30	4,708.86	85.85	-41.85	-84.50	1.14	-0.44	24.76
4,726.71	2.32	315.91	4,722.42	86.25	-42.25	-84.88	1.03	-0.66	19.23
4,740.29	2.26	318.53	4,735.99	86.64	-42.62	-85.27	0.89	-0.44	19.29
4,753.86	2.22	320.94	4,749.55	87.05	-42.96	-85.66	0.75	-0.29	17.76
4,767.43	2.19	322.85	4,763.11	87.46	-43.28	-86.06	0.58	-0.22	14.08
4,781.00	2.17	323.95	4,776.67	87.87	-43.59	-86.46	0.34	-0.15	8.11
4,794.57	2.15	323.58	4,790.23	88.29	-43.89	-86.87	0.18	-0.15	-2.73
4,808.14	2.15	322.42	4,803.79	88.69	-44.20	-87.26	0.32	0.00	-8.55



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
4,821.71	2.15	320.82	4,817.35	89.09	-44.51	-87.65	0.44	0.00	-11.79
4,835.29	2.16	319.08	4,830.92	89.48	-44.84	-88.03	0.49	0.07	-12.81
4,848.86	2.18	317.46	4,844.48	89.87	-45.18	-88.41	0.48	0.15	-11.94
4,862.43	2.21	316.27	4,858.04	90.24	-45.54	-88.77	0.40	0.22	-8.77
4,876.00	2.23	314.18	4,871.60	90.62	-45.91	-89.13	0.61	0.15	-15.40
4,889.57	2.43	292.02	4,885.16	90.91	-46.36	-89.41	6.75	1.47	-163.30
4,903.14	3.18	285.44	4,898.71	91.12	-46.99	-89.60	6.01	5.53	-48.49
4,916.71	3.28	287.46	4,912.26	91.33	-47.73	-89.79	1.12	0.74	14.89
4,930.29	3.39	289.69	4,925.82	91.59	-48.48	-90.02	1.25	0.81	16.42
4,943.86	3.51	291.73	4,939.36	91.88	-49.24	-90.29	1.26	0.88	15.03
4,957.43	3.63	293.26	4,952.91	92.20	-50.02	-90.59	1.13	0.88	11.27
4,971.00	3.73	293.94	4,966.45	92.55	-50.82	-90.91	0.80	0.74	5.01
4,984.57	3.80	293.52	4,979.99	92.91	-51.63	-91.24	0.55	0.52	-3.10
4,998.14	3.87	292.31	4,993.53	93.26	-52.47	-91.57	0.79	0.52	-8.92
5,011.71	3.92	290.67	5,007.07	93.60	-53.33	-91.88	0.90	0.37	-12.09
5,025.29	3.98	288.86	5,020.61	93.91	-54.21	-92.17	1.02	0.44	-13.33
5,038.86	4.04	287.10	5,034.15	94.21	-55.11	-92.43	1.01	0.44	-12.97
5,052.43	4.10	285.58	5,047.69	94.48	-56.03	-92.67	0.91	0.44	-11.20
5,066.00	3.84	281.42	5,061.22	94.70	-56.95	-92.87	2.86	-1.92	-30.66
5,079.57	4.18	271.04	5,074.76	94.80	-57.89	-92.94	5.90	2.51	-76.49
5,093.14	4.49	267.37	5,088.29	94.78	-58.91	-92.89	3.06	2.28	-27.04
5,106.71	4.55	267.14	5,101.82	94.73	-59.98	-92.80	0.46	0.44	-1.69
5,120.29	4.62	267.02	5,115.36	94.67	-61.06	-92.71	0.52	0.52	-0.88
5,133.86	4.68	266.97	5,128.88	94.62	-62.16	-92.62	0.44	0.44	-0.37
5,147.43	4.74	266.94	5,142.41	94.56	-63.28	-92.53	0.44	0.44	-0.22
5,161.00	4.78	266.92	5,155.93	94.50	-64.40	-92.43	0.30	0.29	-0.15
5,174.43	4.79	266.86	5,169.31	94.44	-65.52	-92.34	0.08	0.07	-0.45
5,187.86	4.79	266.77	5,182.70	94.37	-66.64	-92.24	0.06	0.00	-0.67
5,201.29	4.77	266.67	5,196.08	94.31	-67.76	-92.14	0.16	-0.15	-0.74
5,214.71	4.76	266.55	5,209.45	94.24	-68.87	-92.04	0.11	-0.07	-0.89
5,228.14	4.73	266.42	5,222.84	94.18	-69.98	-91.94	0.24	-0.22	-0.97
5,241.57	4.71	266.28	5,236.22	94.11	-71.08	-91.83	0.17	-0.15	-1.04
5,255.00	4.70	266.10	5,249.61	94.03	-72.18	-91.72	0.13	-0.07	-1.34
5,268.57	4.69	265.89	5,263.13	93.95	-73.29	-91.61	0.15	-0.07	-1.55
5,282.14	4.69	265.66	5,276.65	93.87	-74.39	-91.50	0.14	0.00	-1.69
5,295.71	4.70	265.41	5,290.18	93.79	-75.50	-91.37	0.17	0.07	-1.84
5,309.29	4.70	265.17	5,303.71	93.70	-76.61	-91.25	0.14	0.00	-1.77
5,322.86	4.71	264.93	5,317.24	93.60	-77.72	-91.12	0.16	0.07	-1.77
5,336.43	4.72	264.72	5,330.76	93.50	-78.83	-90.98	0.15	0.07	-1.55
5,350.00	4.74	264.54	5,344.29	93.39	-79.94	-90.84	0.18	0.15	-1.33
5,363.57	4.75	264.41	5,357.81	93.29	-81.06	-90.70	0.11	0.07	-0.96
5,377.14	4.77	264.32	5,371.33	93.18	-82.18	-90.55	0.16	0.15	-0.66
5,390.71	4.79	264.26	5,384.86	93.06	-83.31	-90.41	0.15	0.15	-0.44



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
5,404.29	4.80	264.22	5,398.39	92.95	-84.44	-90.26	0.08	0.07	-0.29
5,417.86	4.82	264.20	5,411.91	92.83	-85.57	-90.11	0.15	0.15	-0.15
5,431.43	4.84	264.20	5,425.43	92.72	-86.71	-89.96	0.15	0.15	0.00
5,445.00	4.86	264.22	5,438.95	92.60	-87.85	-89.80	0.15	0.15	0.15
5,458.57	4.88	264.28	5,452.47	92.49	-88.99	-89.65	0.15	0.15	0.44
5,472.14	4.90	264.35	5,465.99	92.37	-90.14	-89.50	0.15	0.15	0.52
5,485.71	4.92	264.43	5,479.51	92.26	-91.30	-89.35	0.16	0.15	0.59
5,499.29	4.94	264.50	5,493.04	92.15	-92.46	-89.20	0.15	0.15	0.52
5,512.86	4.97	264.56	5,506.56	92.03	-93.63	-89.05	0.22	0.22	0.44
5,526.43	4.99	264.58	5,520.08	91.92	-94.80	-88.91	0.15	0.15	0.15
5,540.00	5.00	264.55	5,533.60	91.81	-95.98	-88.76	0.08	0.07	-0.22
5,553.57	5.02	264.44	5,547.12	91.70	-97.16	-88.61	0.16	0.15	-0.81
5,567.14	5.04	264.28	5,560.64	91.58	-98.34	-88.45	0.18	0.15	-1.18
5,580.71	5.05	264.09	5,574.15	91.46	-99.53	-88.30	0.14	0.07	-1.40
5,594.29	5.07	263.90	5,587.68	91.33	-100.72	-88.13	0.19	0.15	-1.40
5,607.86	5.09	263.71	5,601.20	91.20	-101.91	-87.97	0.19	0.15	-1.40
5,621.43	5.11	263.55	5,614.71	91.07	-103.11	-87.79	0.18	0.15	-1.18
5,635.00	5.13	263.43	5,628.23	90.93	-104.32	-87.62	0.17	0.15	-0.88
5,648.57	5.16	263.38	5,641.75	90.79	-105.53	-87.44	0.22	0.22	-0.37
5,662.14	5.20	263.37	5,655.26	90.65	-106.74	-87.26	0.29	0.29	-0.07
5,675.71	5.23	263.43	5,668.77	90.51	-107.97	-87.08	0.22	0.22	0.44
5,689.29	5.27	263.55	5,682.30	90.37	-109.20	-86.90	0.31	0.29	0.88
5,702.86	5.30	263.77	5,695.81	90.23	-110.44	-86.73	0.27	0.22	1.62
5,716.43	5.33	264.10	5,709.32	90.10	-111.69	-86.55	0.32	0.22	2.43
5,730.00	5.37	263.20	5,722.83	89.96	-112.95	-86.37	0.69	0.29	-6.63
5,743.57	5.27	263.64	5,736.34	89.82	-114.20	-86.19	0.80	-0.74	3.24
5,757.14	5.27	264.60	5,749.86	89.69	-115.44	-86.02	0.65	0.00	7.07
5,770.71	5.26	265.67	5,763.37	89.58	-116.68	-85.88	0.73	-0.07	7.89
5,784.29	5.25	266.77	5,776.89	89.50	-117.92	-85.76	0.75	-0.07	8.10
5,797.86	5.24	267.84	5,790.41	89.44	-119.16	-85.66	0.72	-0.07	7.89
5,811.43	5.23	268.82	5,803.92	89.41	-120.40	-85.59	0.66	-0.07	7.22
5,825.00	5.30	273.88	5,817.43	89.43	-121.64	-85.58	3.46	0.52	37.29
5,838.57	5.64	281.23	5,830.94	89.61	-122.92	-85.71	5.73	2.51	54.16
5,852.14	5.78	283.70	5,844.44	89.90	-124.24	-85.96	2.08	1.03	18.20
5,865.71	5.75	284.11	5,857.94	90.23	-125.56	-86.25	0.38	-0.22	3.02
5,879.29	5.72	284.48	5,871.46	90.56	-126.88	-86.54	0.35	-0.22	2.72
5,892.86	5.69	284.79	5,884.96	90.90	-128.18	-86.84	0.32	-0.22	2.28
5,906.43	5.66	285.03	5,898.46	91.25	-129.48	-87.14	0.28	-0.22	1.77
5,920.00	5.64	285.18	5,911.97	91.60	-130.77	-87.45	0.18	-0.15	1.11
5,933.57	5.64	285.20	5,925.47	91.95	-132.06	-87.76	0.01	0.00	0.15
5,947.14	5.65	285.13	5,938.97	92.29	-133.35	-88.07	0.09	0.07	-0.52
5,960.71	5.66	284.99	5,952.48	92.64	-134.64	-88.38	0.13	0.07	-1.03
5,974.29	5.68	284.80	5,965.99	92.99	-135.93	-88.68	0.20	0.15	-1.40



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
5,987.86	5.70	284.58	5,979.50	93.33	-137.24	-88.98	0.22	0.15	-1.62
6,001.43	5.72	284.34	5,993.00	93.67	-138.54	-89.28	0.23	0.15	-1.77
6,015.00	5.74	284.07	6,006.50	94.00	-139.86	-89.57	0.25	0.15	-1.99
6,028.43	5.76	283.78	6,019.86	94.32	-141.16	-89.85	0.26	0.15	-2.16
6,041.86	5.77	283.49	6,033.22	94.64	-142.47	-90.13	0.23	0.07	-2.16
6,055.29	5.78	283.19	6,046.59	94.95	-143.79	-90.40	0.24	0.07	-2.23
6,068.71	5.80	282.90	6,059.94	95.26	-145.11	-90.66	0.26	0.15	-2.16
6,082.14	5.80	282.62	6,073.30	95.56	-146.43	-90.92	0.21	0.00	-2.08
6,095.57	5.81	282.36	6,086.66	95.85	-147.76	-91.17	0.21	0.07	-1.94
6,109.00	5.82	282.13	6,100.02	96.14	-149.09	-91.42	0.19	0.07	-1.71
6,122.57	5.82	281.96	6,113.52	96.43	-150.43	-91.66	0.13	0.00	-1.25
6,136.14	5.82	281.83	6,127.02	96.71	-151.78	-91.90	0.10	0.00	-0.96
6,149.71	5.82	281.72	6,140.52	96.99	-153.13	-92.14	0.08	0.00	-0.81
6,163.29	5.82	281.63	6,154.03	97.27	-154.47	-92.38	0.07	0.00	-0.66
6,176.86	5.82	281.56	6,167.53	97.55	-155.82	-92.61	0.05	0.00	-0.52
6,190.43	5.83	281.49	6,181.03	97.82	-157.17	-92.85	0.09	0.07	-0.52
6,204.00	5.84	281.43	6,194.53	98.09	-158.52	-93.08	0.09	0.07	-0.44
6,217.57	5.87	281.39	6,208.03	98.37	-159.88	-93.31	0.22	0.22	-0.29
6,231.14	5.90	281.34	6,221.53	98.64	-161.24	-93.54	0.22	0.22	-0.37
6,244.71	5.94	281.30	6,235.03	98.92	-162.62	-93.77	0.30	0.29	-0.29
6,258.29	5.98	281.25	6,248.53	99.19	-164.00	-94.00	0.30	0.29	-0.37
6,271.86	6.02	281.17	6,262.03	99.47	-165.39	-94.24	0.30	0.29	-0.59
6,285.43	6.06	281.07	6,275.52	99.74	-166.79	-94.47	0.30	0.29	-0.74
6,299.00	6.10	280.93	6,289.02	100.02	-168.20	-94.70	0.31	0.29	-1.03
6,312.57	6.13	280.73	6,302.51	100.29	-169.62	-94.92	0.27	0.22	-1.47
6,326.14	6.17	280.49	6,316.00	100.56	-171.05	-95.15	0.35	0.29	-1.77
6,339.71	6.20	280.22	6,329.49	100.82	-172.49	-95.36	0.31	0.22	-1.99
6,353.29	6.24	279.96	6,342.99	101.08	-173.94	-95.58	0.36	0.29	-1.91
6,366.86	6.27	279.70	6,356.48	101.33	-175.40	-95.78	0.30	0.22	-1.92
6,380.43	6.30	279.46	6,369.97	101.58	-176.86	-95.98	0.29	0.22	-1.77
6,394.00	6.32	279.25	6,383.46	101.82	-178.33	-96.18	0.23	0.15	-1.55
6,407.57	6.34	279.10	6,396.95	102.06	-179.81	-96.37	0.19	0.15	-1.11
6,421.14	6.36	278.97	6,410.43	102.29	-181.29	-96.56	0.18	0.15	-0.96
6,434.71	6.37	278.87	6,423.92	102.53	-182.78	-96.75	0.11	0.07	-0.74
6,448.29	6.38	278.79	6,437.41	102.76	-184.27	-96.93	0.10	0.07	-0.59
6,461.86	6.40	278.71	6,450.90	102.99	-185.76	-97.12	0.16	0.15	-0.59
6,475.43	6.41	278.62	6,464.39	103.22	-187.26	-97.30	0.10	0.07	-0.66
6,489.00	6.43	278.53	6,477.87	103.44	-188.76	-97.48	0.16	0.15	-0.66
6,502.57	6.45	278.42	6,491.35	103.67	-190.26	-97.65	0.17	0.15	-0.81
6,516.14	6.47	278.30	6,504.84	103.89	-191.77	-97.83	0.18	0.15	-0.88
6,529.71	6.50	278.18	6,518.32	104.11	-193.29	-98.00	0.24	0.22	-0.88
6,543.29	6.53	278.05	6,531.81	104.33	-194.82	-98.17	0.25	0.22	-0.96
6,556.86	6.56	277.93	6,545.30	104.54	-196.35	-98.34	0.24	0.22	-0.88
6,570.43	6.59	277.82	6,558.78	104.75	-197.89	-98.50	0.24	0.22	-0.81



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
6,584.00	6.62	277.72	6,572.26	104.97	-199.43	-98.66	0.24	0.22	-0.74
6,597.57	6.66	277.63	6,585.74	105.18	-200.99	-98.82	0.30	0.29	-0.66
6,611.14	6.70	277.56	6,599.21	105.38	-202.55	-98.98	0.30	0.29	-0.52
6,624.71	6.74	277.49	6,612.69	105.59	-204.13	-99.14	0.30	0.29	-0.52
6,638.29	6.78	277.44	6,626.18	105.80	-205.71	-99.30	0.30	0.29	-0.37
6,651.86	6.83	277.39	6,639.65	106.01	-207.31	-99.46	0.37	0.37	-0.37
6,665.43	6.88	277.35	6,653.12	106.22	-208.91	-99.61	0.37	0.37	-0.29
6,679.00	6.93	277.32	6,666.59	106.42	-210.53	-99.77	0.37	0.37	-0.22
6,692.57	6.99	277.30	6,680.06	106.63	-212.16	-99.93	0.44	0.44	-0.15
6,706.14	7.05	277.29	6,693.53	106.84	-213.81	-100.09	0.44	0.44	-0.07
6,719.71	7.11	277.28	6,707.00	107.06	-215.47	-100.25	0.44	0.44	-0.07
6,733.29	7.17	277.29	6,720.47	107.27	-217.14	-100.41	0.44	0.44	0.07
6,746.86	7.23	277.29	6,733.94	107.49	-218.83	-100.57	0.44	0.44	0.00
6,760.43	7.29	277.30	6,747.40	107.70	-220.53	-100.74	0.44	0.44	0.07
6,774.00	7.34	277.32	6,760.86	107.92	-222.24	-100.90	0.37	0.37	0.15
6,787.57	7.38	277.34	6,774.32	108.14	-223.97	-101.07	0.30	0.29	0.15
6,801.14	7.42	277.37	6,787.77	108.37	-225.70	-101.24	0.30	0.29	0.22
6,814.71	7.46	277.39	6,801.23	108.59	-227.44	-101.41	0.30	0.29	0.15
6,828.29	7.50	277.42	6,814.69	108.82	-229.19	-101.58	0.30	0.29	0.22
6,841.86	7.53	277.44	6,828.15	109.05	-230.95	-101.76	0.22	0.22	0.15
6,855.43	7.57	277.46	6,841.60	109.28	-232.72	-101.93	0.30	0.29	0.15
6,869.00	7.60	277.46	6,855.05	109.51	-234.50	-102.11	0.22	0.22	0.00
6,882.57	7.64	277.45	6,868.50	109.75	-236.28	-102.29	0.29	0.29	-0.07
6,896.14	7.68	277.41	6,881.95	109.98	-238.08	-102.47	0.30	0.29	-0.29
6,909.71	7.72	277.37	6,895.40	110.22	-239.88	-102.64	0.30	0.29	-0.29
6,923.29	7.76	277.33	6,908.85	110.45	-241.69	-102.82	0.30	0.29	-0.29
6,936.86	7.80	277.27	6,922.30	110.68	-243.52	-103.00	0.30	0.29	-0.44
6,950.43	7.83	277.21	6,935.74	110.92	-245.35	-103.17	0.23	0.22	-0.44
6,964.00	7.86	277.14	6,949.19	111.15	-247.18	-103.35	0.23	0.22	-0.52
6,977.57	7.88	277.05	6,962.63	111.38	-249.03	-103.52	0.17	0.15	-0.66
6,991.14	7.89	276.95	6,976.07	111.60	-250.88	-103.69	0.13	0.07	-0.74
7,004.71	7.90	276.86	6,989.51	111.83	-252.73	-103.85	0.12	0.07	-0.66
7,018.29	7.91	276.76	7,002.96	112.05	-254.58	-104.01	0.13	0.07	-0.74
7,031.86	7.92	276.68	7,016.40	112.27	-256.44	-104.18	0.11	0.07	-0.59
7,045.43	7.94	276.60	7,029.84	112.48	-258.30	-104.33	0.17	0.15	-0.59
7,059.00	7.96	276.55	7,043.28	112.70	-260.16	-104.49	0.16	0.15	-0.37
7,072.57	7.99	276.54	7,056.72	112.91	-262.03	-104.65	0.22	0.22	-0.07
7,086.14	8.03	276.54	7,070.16	113.13	-263.91	-104.80	0.29	0.29	0.00
7,099.71	8.07	276.56	7,083.59	113.35	-265.80	-104.96	0.30	0.29	0.15
7,113.29	8.11	276.58	7,097.04	113.56	-267.70	-105.12	0.30	0.29	0.15
7,126.86	8.16	276.60	7,110.47	113.79	-269.60	-105.28	0.37	0.37	0.15
7,140.43	8.20	276.62	7,123.91	114.01	-271.52	-105.44	0.30	0.29	0.15
7,154.00	8.23	276.62	7,137.34	114.23	-273.45	-105.60	0.22	0.22	0.00



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
7,167.57	8.26	276.62	7,150.77	114.46	-275.38	-105.77	0.22	0.22	0.00
7,181.14	8.29	276.60	7,164.19	114.68	-277.32	-105.93	0.22	0.22	-0.15
7,194.71	8.31	276.58	7,177.62	114.90	-279.27	-106.10	0.15	0.15	-0.15
7,208.29	8.33	276.55	7,191.06	115.13	-281.22	-106.26	0.15	0.15	-0.22
7,221.86	8.36	276.51	7,204.49	115.35	-283.18	-106.42	0.23	0.22	-0.29
7,235.43	8.39	276.46	7,217.91	115.58	-285.14	-106.58	0.23	0.22	-0.37
7,249.00	8.43	276.40	7,231.33	115.80	-287.11	-106.74	0.30	0.29	-0.44
7,262.43	8.50	276.32	7,244.62	116.02	-289.08	-106.90	0.53	0.52	-0.60
7,275.86	8.58	276.23	7,257.90	116.24	-291.06	-107.06	0.60	0.60	-0.67
7,289.29	8.66	276.13	7,271.18	116.45	-293.06	-107.21	0.61	0.60	-0.74
7,302.71	8.74	276.04	7,284.44	116.67	-295.08	-107.36	0.60	0.60	-0.67
7,316.14	8.82	275.94	7,297.72	116.88	-297.12	-107.51	0.61	0.60	-0.74
7,329.57	8.89	275.85	7,310.99	117.09	-299.17	-107.66	0.53	0.52	-0.67
7,343.00	8.57	276.66	7,324.26	117.32	-301.20	-107.82	2.55	-2.38	6.03
7,356.57	8.63	276.60	7,337.68	117.55	-303.22	-107.99	0.45	0.44	-0.44
7,370.14	8.68	276.54	7,351.09	117.78	-305.24	-108.16	0.37	0.37	-0.44
7,383.71	8.72	276.48	7,364.51	118.02	-307.28	-108.33	0.30	0.29	-0.44
7,397.29	8.76	276.40	7,377.93	118.25	-309.33	-108.49	0.31	0.29	-0.59
7,410.86	8.78	276.29	7,391.34	118.48	-311.39	-108.66	0.19	0.15	-0.81
7,424.43	8.77	276.12	7,404.75	118.70	-313.45	-108.82	0.20	-0.07	-1.25
7,438.00	8.73	275.87	7,418.16	118.92	-315.50	-108.97	0.41	-0.29	-1.84
7,451.57	8.64	275.47	7,431.58	119.12	-317.54	-109.11	0.80	-0.66	-2.95
7,465.14	8.52	274.98	7,445.00	119.30	-319.56	-109.23	1.04	-0.88	-3.61
7,478.71	8.39	274.42	7,458.42	119.47	-321.54	-109.33	1.13	-0.96	-4.13
7,492.29	8.25	273.81	7,471.86	119.61	-323.50	-109.41	1.22	-1.03	-4.49
7,505.86	8.12	273.17	7,485.29	119.73	-325.43	-109.47	1.17	-0.96	-4.72
7,519.43	7.97	272.42	7,498.72	119.82	-327.33	-109.50	1.35	-1.11	-5.53
7,533.00	7.49	271.18	7,512.17	119.88	-329.15	-109.50	3.74	-3.54	-9.14
7,546.57	6.63	271.48	7,525.64	119.91	-330.82	-109.49	6.34	-6.34	2.21
7,560.14	6.27	268.45	7,539.12	119.91	-332.35	-109.44	3.65	-2.65	-22.33
7,573.71	6.28	267.33	7,552.61	119.86	-333.83	-109.34	0.91	0.07	-8.25
7,587.29	6.30	266.13	7,566.11	119.78	-335.31	-109.21	0.98	0.15	-8.84
7,600.86	6.34	264.94	7,579.60	119.66	-336.80	-109.04	1.01	0.29	-8.77
7,614.43	6.36	263.83	7,593.08	119.51	-338.30	-108.85	0.92	0.15	-8.18
7,628.00	6.38	262.89	7,606.57	119.34	-339.79	-108.63	0.78	0.15	-6.93
7,641.57	6.36	262.25	7,620.06	119.14	-341.28	-108.39	0.54	-0.15	-4.72
7,655.14	6.32	261.80	7,633.54	118.94	-342.77	-108.13	0.47	-0.29	-3.32
7,668.71	6.28	261.48	7,647.03	118.72	-344.24	-107.87	0.39	-0.29	-2.36
7,682.29	6.23	261.24	7,660.53	118.50	-345.70	-107.60	0.42	-0.37	-1.77
7,695.86	6.19	261.06	7,674.02	118.27	-347.15	-107.33	0.33	-0.29	-1.33
7,709.43	6.14	260.91	7,687.51	118.04	-348.59	-107.06	0.39	-0.37	-1.11
7,723.00	6.11	260.79	7,701.00	117.81	-350.02	-106.78	0.24	-0.22	-0.88
7,736.57	6.08	260.67	7,714.50	117.58	-351.45	-106.51	0.24	-0.22	-0.88



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
7,750.14	6.07	260.54	7,727.99	117.35	-352.86	-106.23	0.13	-0.07	-0.96
7,763.71	6.06	260.41	7,741.49	117.11	-354.28	-105.95	0.13	-0.07	-0.96
7,777.29	6.05	260.26	7,754.99	116.87	-355.69	-105.66	0.14	-0.07	-1.10
7,790.86	6.04	260.08	7,768.48	116.62	-357.10	-105.37	0.16	-0.07	-1.33
7,804.43	6.03	259.86	7,781.98	116.38	-358.50	-105.08	0.19	-0.07	-1.62
7,818.00	6.01	259.56	7,795.47	116.12	-359.90	-104.78	0.27	-0.15	-2.21
7,831.57	5.98	259.15	7,808.97	115.86	-361.29	-104.48	0.39	-0.22	-3.02
7,845.14	5.95	258.67	7,822.47	115.59	-362.68	-104.16	0.43	-0.22	-3.54
7,858.71	5.92	258.14	7,835.96	115.31	-364.05	-103.84	0.46	-0.22	-3.91
7,872.29	5.88	257.59	7,849.47	115.01	-365.42	-103.50	0.51	-0.29	-4.05
7,885.86	5.85	257.05	7,862.97	114.71	-366.77	-103.16	0.46	-0.22	-3.98
7,899.43	5.81	256.52	7,876.47	114.39	-368.11	-102.80	0.49	-0.29	-3.91
7,913.00	5.77	256.05	7,889.97	114.07	-369.44	-102.43	0.46	-0.29	-3.46
7,926.57	5.74	255.69	7,903.47	113.74	-370.76	-102.06	0.35	-0.22	-2.65
7,940.14	5.71	255.39	7,916.98	113.40	-372.07	-101.68	0.31	-0.22	-2.21
7,953.71	5.67	255.14	7,930.48	113.06	-373.37	-101.30	0.35	-0.29	-1.84
7,967.29	5.65	254.93	7,943.99	112.71	-374.67	-100.91	0.21	-0.15	-1.55
7,980.86	5.63	254.77	7,957.50	112.36	-375.95	-100.52	0.19	-0.15	-1.18
7,994.43	5.61	254.65	7,971.00	112.01	-377.24	-100.13	0.17	-0.15	-0.88
8,008.00	5.61	254.60	7,984.51	111.66	-378.52	-99.74	0.04	0.00	-0.37
8,021.57	5.62	254.65	7,998.01	111.31	-379.80	-99.35	0.08	0.07	0.37
8,035.14	5.64	254.75	8,011.52	110.96	-381.08	-98.96	0.16	0.15	0.74
8,048.71	5.67	254.88	8,025.02	110.61	-382.37	-98.57	0.24	0.22	0.96
8,062.29	5.70	255.00	8,038.53	110.26	-383.67	-98.18	0.24	0.22	0.88
8,075.86	5.73	255.10	8,052.04	109.91	-384.97	-97.79	0.23	0.22	0.74
8,089.43	5.76	255.14	8,065.54	109.56	-386.29	-97.40	0.22	0.22	0.29
8,103.00	5.79	255.09	8,079.04	109.21	-387.61	-97.01	0.22	0.22	-0.37
8,116.57	5.81	254.89	8,092.54	108.85	-388.93	-96.61	0.21	0.15	-1.47
8,130.14	5.82	254.61	8,106.04	108.49	-390.26	-96.21	0.22	0.07	-2.06
8,143.71	5.82	254.28	8,119.54	108.12	-391.58	-95.80	0.25	0.00	-2.43
8,157.29	5.81	253.96	8,133.05	107.75	-392.91	-95.38	0.25	-0.07	-2.36
8,170.86	5.79	253.67	8,146.55	107.36	-394.22	-94.96	0.26	-0.15	-2.14
8,184.43	5.76	253.45	8,160.05	106.98	-395.53	-94.53	0.27	-0.22	-1.62
8,198.00	5.65	257.03	8,173.55	106.63	-396.84	-94.14	2.74	-0.81	26.38
8,211.57	5.55	257.14	8,187.06	106.34	-398.13	-93.81	0.74	-0.74	0.81
8,225.14	5.45	257.35	8,200.57	106.05	-399.40	-93.48	0.75	-0.74	1.55
8,238.71	5.33	257.63	8,214.08	105.77	-400.64	-93.17	0.91	-0.88	2.06
8,252.29	5.21	257.94	8,227.60	105.51	-401.86	-92.86	0.91	-0.88	2.28
8,265.86	5.09	258.24	8,241.11	105.26	-403.05	-92.57	0.91	-0.88	2.21
8,279.43	4.99	258.49	8,254.63	105.02	-404.22	-92.30	0.75	-0.74	1.84
8,293.00	4.38	262.74	8,268.16	104.84	-405.31	-92.08	5.17	-4.50	31.32
8,306.57	3.96	268.09	8,281.69	104.75	-406.29	-91.97	4.22	-3.10	39.43
8,320.14	3.85	269.55	8,295.23	104.74	-407.22	-91.92	1.09	-0.81	10.76
8,333.71	3.82	269.23	8,308.77	104.73	-408.13	-91.88	0.27	-0.22	-2.36



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
8,347.29	3.79	268.84	8,322.32	104.71	-409.03	-91.84	0.29	-0.22	-2.87
8,360.86	3.77	268.45	8,335.86	104.69	-409.92	-91.79	0.24	-0.15	-2.87
8,374.43	3.76	268.09	8,349.40	104.66	-410.81	-91.73	0.19	-0.07	-2.65
8,388.00	3.75	267.83	8,362.94	104.63	-411.70	-91.68	0.15	-0.07	-1.92
8,401.43	3.75	267.75	8,376.34	104.60	-412.58	-91.61	0.04	0.00	-0.60
8,414.86	3.76	267.80	8,389.74	104.56	-413.46	-91.55	0.08	0.07	0.37
8,428.29	3.77	267.92	8,403.14	104.53	-414.34	-91.49	0.09	0.07	0.89
8,441.71	3.79	268.10	8,416.54	104.50	-415.22	-91.43	0.17	0.15	1.34
8,455.14	3.81	268.33	8,429.94	104.47	-416.11	-91.38	0.19	0.15	1.71
8,468.57	3.82	268.60	8,443.34	104.45	-417.01	-91.33	0.15	0.07	2.01
8,482.00	3.83	268.93	8,456.74	104.43	-417.90	-91.28	0.18	0.07	2.46
8,495.57	3.84	269.36	8,470.28	104.41	-418.81	-91.24	0.22	0.07	3.17
8,509.14	3.84	269.83	8,483.82	104.41	-419.72	-91.20	0.23	0.00	3.46
8,522.71	3.84	270.31	8,497.35	104.41	-420.63	-91.17	0.24	0.00	3.54
8,536.29	3.84	270.77	8,510.90	104.42	-421.54	-91.15	0.23	0.00	3.39
8,549.86	3.84	271.19	8,524.44	104.43	-422.44	-91.14	0.21	0.00	3.10
8,563.43	3.85	271.52	8,537.98	104.45	-423.35	-91.13	0.18	0.07	2.43
8,577.00	3.85	271.73	8,551.52	104.48	-424.26	-91.13	0.10	0.00	1.55
8,590.57	3.85	271.73	8,565.06	104.51	-425.18	-91.13	0.00	0.00	0.00
8,604.14	3.86	271.60	8,578.60	104.53	-426.09	-91.13	0.10	0.07	-0.96
8,617.71	3.87	271.41	8,592.14	104.56	-427.00	-91.12	0.12	0.07	-1.40
8,631.29	3.88	271.19	8,605.69	104.58	-427.92	-91.12	0.13	0.07	-1.62
8,644.86	3.88	270.99	8,619.23	104.60	-428.84	-91.10	0.10	0.00	-1.47
8,658.43	3.87	271.10	8,632.77	104.61	-429.75	-91.09	0.09	-0.07	0.81
8,672.00	3.59	274.75	8,646.31	104.66	-430.64	-91.11	2.70	-2.06	26.90
8,685.57	3.41	275.63	8,659.85	104.73	-431.46	-91.16	1.38	-1.33	6.48
8,699.14	3.06	282.15	8,673.40	104.85	-432.22	-91.25	3.74	-2.58	48.05
8,712.71	3.05	282.41	8,686.95	105.00	-432.92	-91.38	0.13	-0.07	1.92
8,726.29	3.03	282.69	8,700.51	105.16	-433.63	-91.52	0.18	-0.15	2.06
8,739.86	3.01	282.93	8,714.06	105.32	-434.32	-91.65	0.17	-0.15	1.77
8,753.43	3.00	283.07	8,727.62	105.48	-435.02	-91.79	0.09	-0.07	1.03
8,767.00	2.99	283.03	8,741.17	105.64	-435.71	-91.93	0.08	-0.07	-0.29
8,780.57	2.98	282.68	8,754.72	105.79	-436.40	-92.06	0.15	-0.07	-2.58
8,794.14	2.98	282.15	8,768.27	105.95	-437.08	-92.19	0.20	0.00	-3.91
8,807.71	2.98	281.52	8,781.82	106.09	-437.77	-92.32	0.24	0.00	-4.64
8,821.29	2.98	280.86	8,795.38	106.23	-438.47	-92.43	0.25	0.00	-4.86
8,834.86	2.99	280.23	8,808.94	106.36	-439.16	-92.54	0.25	0.07	-4.64
8,848.43	2.90	280.33	8,822.49	106.48	-439.85	-92.64	0.66	-0.66	0.74
8,862.00	2.48	283.18	8,836.04	106.61	-440.47	-92.75	3.25	-3.10	21.00
8,875.57	2.31	284.60	8,849.60	106.75	-441.02	-92.87	1.33	-1.25	10.46
8,889.14	2.33	284.21	8,863.16	106.88	-441.55	-92.99	0.19	0.15	-2.87
8,902.71	2.36	283.88	8,876.72	107.02	-442.09	-93.11	0.24	0.22	-2.43
8,916.29	2.39	283.61	8,890.29	107.15	-442.64	-93.22	0.24	0.22	-1.99



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
8,929.86	2.42	283.43	8,903.84	107.28	-443.19	-93.34	0.23	0.22	-1.33
8,943.43	2.45	283.37	8,917.40	107.42	-443.75	-93.46	0.22	0.22	-0.44
8,957.00	2.48	283.50	8,930.96	107.55	-444.32	-93.57	0.22	0.22	0.96
8,970.57	2.52	283.88	8,944.52	107.69	-444.90	-93.70	0.32	0.29	2.80
8,984.14	2.56	284.43	8,958.07	107.84	-445.48	-93.82	0.35	0.29	4.05
8,997.71	2.60	285.08	8,971.63	108.00	-446.07	-93.96	0.37	0.29	4.79
9,011.29	2.64	285.82	8,985.20	108.16	-446.67	-94.11	0.39	0.29	5.45
9,024.86	2.68	286.61	8,998.75	108.34	-447.27	-94.27	0.40	0.29	5.82
9,038.43	2.73	287.45	9,012.31	108.52	-447.89	-94.43	0.47	0.37	6.19
9,052.00	2.78	288.33	9,025.86	108.73	-448.51	-94.61	0.48	0.37	6.48
9,065.57	2.83	289.40	9,039.41	108.94	-449.13	-94.81	0.53	0.37	7.89
9,079.14	2.88	290.50	9,052.97	109.17	-449.77	-95.02	0.55	0.37	8.11
9,092.71	2.93	291.59	9,066.52	109.42	-450.41	-95.25	0.55	0.37	8.03
9,106.29	2.99	292.66	9,080.08	109.68	-451.06	-95.49	0.60	0.44	7.88
9,119.86	3.04	293.66	9,093.63	109.96	-451.72	-95.75	0.53	0.37	7.37
9,133.43	3.10	294.58	9,107.18	110.26	-452.38	-96.03	0.57	0.44	6.78
9,147.00	3.20	293.59	9,120.73	110.56	-453.06	-96.31	0.84	0.74	-7.30
9,160.57	3.24	294.33	9,134.28	110.87	-453.76	-96.60	0.43	0.29	5.45
9,174.14	3.29	294.99	9,147.83	111.20	-454.46	-96.90	0.46	0.37	4.86
9,187.71	3.33	295.59	9,161.38	111.53	-455.17	-97.21	0.39	0.29	4.42
9,201.29	3.38	296.13	9,174.93	111.88	-455.88	-97.53	0.44	0.37	3.98
9,214.86	3.42	296.63	9,188.48	112.23	-456.61	-97.87	0.37	0.29	3.68
9,228.43	3.46	297.07	9,202.02	112.60	-457.33	-98.21	0.35	0.29	3.24
9,242.00	3.49	297.46	9,215.57	112.98	-458.06	-98.57	0.28	0.22	2.87
9,255.57	3.52	297.77	9,229.11	113.36	-458.80	-98.93	0.26	0.22	2.28
9,269.14	3.54	298.03	9,242.66	113.76	-459.54	-99.30	0.19	0.15	1.92
9,282.71	3.57	298.27	9,256.20	114.15	-460.28	-99.67	0.25	0.22	1.77
9,296.29	3.59	298.52	9,269.76	114.56	-461.02	-100.05	0.19	0.15	1.84
9,309.86	3.62	298.79	9,283.30	114.96	-461.77	-100.43	0.25	0.22	1.99
9,323.43	3.65	299.11	9,296.84	115.38	-462.53	-100.83	0.27	0.22	2.36
9,337.00	3.69	299.51	9,310.38	115.81	-463.28	-101.23	0.35	0.29	2.95
9,350.57	3.74	300.04	9,323.93	116.24	-464.05	-101.64	0.45	0.37	3.91
9,364.14	3.80	300.62	9,337.47	116.69	-464.82	-102.07	0.52	0.44	4.27
9,377.71	3.86	301.22	9,351.01	117.16	-465.59	-102.51	0.53	0.44	4.42
9,391.29	3.94	301.78	9,364.55	117.64	-466.38	-102.97	0.65	0.59	4.12
9,404.86	4.01	302.27	9,378.09	118.14	-467.18	-103.44	0.57	0.52	3.61
9,418.43	4.09	302.65	9,391.63	118.66	-467.99	-103.93	0.62	0.59	2.80
9,432.00	4.18	302.87	9,405.16	119.18	-468.81	-104.43	0.67	0.66	1.62
9,445.43	4.28	302.90	9,418.56	119.72	-469.64	-104.94	0.74	0.74	0.22
9,458.86	4.38	302.79	9,431.95	120.27	-470.49	-105.47	0.75	0.74	-0.82
9,472.29	4.49	302.58	9,445.34	120.83	-471.37	-106.00	0.83	0.82	-1.56
9,485.71	4.14	301.82	9,458.72	121.37	-472.22	-106.51	2.64	-2.61	-5.66
9,499.14	3.82	299.37	9,472.12	121.85	-473.02	-106.96	2.70	-2.38	-18.24



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
9,512.57	3.94	298.74	9,485.52	122.29	-473.82	-107.38	0.95	0.89	-4.69
9,526.00	4.07	297.98	9,498.91	122.73	-474.64	-107.80	1.05	0.97	-5.66
9,539.57	4.20	296.95	9,512.45	123.18	-475.51	-108.22	1.10	0.96	-7.59
9,553.14	4.35	295.90	9,525.98	123.63	-476.42	-108.64	1.25	1.11	-7.74
9,566.71	4.49	294.90	9,539.51	124.08	-477.36	-109.06	1.18	1.03	-7.37
9,580.29	4.63	294.03	9,553.05	124.53	-478.35	-109.48	1.15	1.03	-6.41
9,593.86	4.77	293.34	9,566.57	124.98	-479.36	-109.89	1.11	1.03	-5.08
9,607.43	4.47	290.35	9,580.10	125.38	-480.38	-110.27	2.83	-2.21	-22.03
9,621.00	4.14	288.91	9,593.63	125.73	-481.34	-110.58	2.56	-2.43	-10.61
9,635.33	3.79	288.28	9,607.92	126.04	-482.28	-110.86	2.46	-2.44	-4.40
9,649.67	3.93	288.17	9,622.23	126.34	-483.19	-111.14	0.98	0.98	-0.77
9,664.00	4.06	288.16	9,636.53	126.66	-484.14	-111.42	0.91	0.91	-0.07
9,678.33	3.89	282.82	9,650.82	126.92	-485.10	-111.65	2.84	-1.19	-37.26
9,692.67	3.78	281.15	9,665.13	127.12	-486.04	-111.82	1.09	-0.77	-11.65
9,707.00	3.82	282.69	9,679.43	127.32	-486.96	-111.99	0.76	0.28	10.75
9,720.57	3.72	281.17	9,692.97	127.50	-487.84	-112.15	1.04	-0.74	-11.20
9,734.14	3.78	281.57	9,706.51	127.68	-488.71	-112.30	0.48	0.44	2.95
9,747.71	3.83	282.02	9,720.05	127.86	-489.59	-112.45	0.43	0.37	3.32
9,761.29	3.88	282.48	9,733.60	128.05	-490.48	-112.62	0.43	0.37	3.39
9,774.86	3.92	282.95	9,747.14	128.26	-491.38	-112.79	0.38	0.29	3.46
9,788.43	3.97	283.41	9,760.68	128.47	-492.29	-112.98	0.44	0.37	3.39
9,802.00	4.03	283.81	9,774.21	128.69	-493.21	-113.17	0.49	0.44	2.95
9,815.57	4.10	284.17	9,787.75	128.93	-494.14	-113.37	0.55	0.52	2.65
9,829.14	4.18	284.49	9,801.28	129.17	-495.09	-113.59	0.61	0.59	2.36
9,842.71	4.26	284.78	9,814.82	129.42	-496.06	-113.81	0.61	0.59	2.14
9,856.29	4.34	285.05	9,828.36	129.68	-497.04	-114.04	0.61	0.59	1.99
9,869.86	4.42	285.32	9,841.89	129.95	-498.04	-114.28	0.61	0.59	1.99
9,883.43	4.49	285.58	9,855.42	130.24	-499.06	-114.53	0.54	0.52	1.92
9,897.00	4.56	285.86	9,868.95	130.53	-500.09	-114.79	0.54	0.52	2.06
9,910.57	4.61	286.16	9,882.47	130.82	-501.13	-115.05	0.41	0.37	2.21
9,924.14	4.65	286.47	9,896.00	131.13	-502.18	-115.33	0.35	0.29	2.28
9,937.71	4.69	286.77	9,909.52	131.45	-503.24	-115.61	0.35	0.29	2.21
9,951.29	4.72	287.06	9,923.06	131.77	-504.31	-115.90	0.28	0.22	2.14
9,964.86	4.74	287.32	9,936.58	132.10	-505.38	-116.20	0.22	0.15	1.92
9,978.43	4.76	287.52	9,950.10	132.44	-506.45	-116.50	0.19	0.15	1.47
9,992.00	4.76	287.63	9,963.63	132.78	-507.52	-116.81	0.07	0.00	0.81
10,005.43	4.69	288.37	9,977.01	133.12	-508.58	-117.12	0.69	-0.52	5.51
10,018.86	4.64	287.92	9,990.40	133.46	-509.61	-117.42	0.46	-0.37	-3.35
10,032.29	4.62	287.70	10,003.78	133.79	-510.65	-117.72	0.20	-0.15	-1.64
10,045.71	4.60	287.44	10,017.16	134.12	-511.67	-118.02	0.22	-0.15	-1.94
10,059.14	4.57	287.18	10,030.55	134.44	-512.70	-118.30	0.27	-0.22	-1.94
10,072.57	4.54	286.95	10,043.94	134.75	-513.72	-118.58	0.26	-0.22	-1.71
10,086.00	4.41	286.21	10,057.32	135.05	-514.72	-118.85	1.06	-0.97	-5.51
10,100.62	4.34	284.07	10,071.90	135.34	-515.80	-119.11	1.21	-0.48	-14.64



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
10,115.23	4.42	282.68	10,086.47	135.60	-516.88	-119.33	0.91	0.55	-9.51
10,129.85	4.37	282.76	10,101.05	135.85	-517.98	-119.54	0.34	-0.34	0.55
10,144.46	4.30	282.88	10,115.61	136.09	-519.05	-119.76	0.48	-0.48	0.82
10,159.08	4.23	283.04	10,130.19	136.34	-520.11	-119.97	0.49	-0.48	1.09
10,173.69	4.16	283.23	10,144.76	136.58	-521.15	-120.18	0.49	-0.48	1.30
10,188.31	4.08	283.44	10,159.35	136.82	-522.18	-120.39	0.56	-0.55	1.44
10,202.92	4.00	283.68	10,173.92	137.06	-523.18	-120.60	0.56	-0.55	1.64
10,217.54	3.92	283.94	10,188.51	137.30	-524.16	-120.81	0.56	-0.55	1.78
10,232.15	3.84	284.24	10,203.08	137.54	-525.12	-121.02	0.56	-0.55	2.05
10,246.77	3.76	284.57	10,217.67	137.78	-526.05	-121.23	0.57	-0.55	2.26
10,261.38	3.69	284.96	10,232.25	138.03	-526.97	-121.44	0.51	-0.48	2.67
10,276.00	3.61	285.40	10,246.84	138.27	-527.87	-121.66	0.58	-0.55	3.01
10,289.57	3.54	285.84	10,260.38	138.50	-528.69	-121.86	0.55	-0.52	3.24
10,303.14	3.47	286.33	10,273.93	138.73	-529.48	-122.06	0.56	-0.52	3.61
10,316.71	3.41	286.86	10,287.47	138.96	-530.26	-122.27	0.50	-0.44	3.91
10,330.29	3.34	287.41	10,301.03	139.20	-531.03	-122.48	0.57	-0.52	4.05
10,343.86	3.28	287.99	10,314.58	139.43	-531.77	-122.70	0.51	-0.44	4.27
10,357.43	3.22	288.58	10,328.13	139.67	-532.50	-122.92	0.51	-0.44	4.35
10,371.00	3.16	289.18	10,341.67	139.92	-533.22	-123.14	0.51	-0.44	4.42
10,384.57	3.11	289.72	10,355.22	140.17	-533.92	-123.36	0.43	-0.37	3.98
10,398.14	3.05	290.27	10,368.77	140.42	-534.60	-123.59	0.49	-0.44	4.05
10,411.71	3.01	290.86	10,382.33	140.67	-535.28	-123.82	0.37	-0.29	4.35
10,425.29	2.97	291.49	10,395.89	140.92	-535.94	-124.06	0.38	-0.29	4.64
10,438.86	2.93	292.20	10,409.44	141.18	-536.58	-124.30	0.40	-0.29	5.23
10,452.43	2.92	293.04	10,422.99	141.45	-537.22	-124.54	0.32	-0.07	6.19
10,466.00	2.92	294.06	10,436.54	141.73	-537.86	-124.80	0.38	0.00	7.52
10,479.57	2.96	295.39	10,450.10	142.02	-538.49	-125.07	0.58	0.29	9.80
10,493.14	3.02	296.85	10,463.65	142.33	-539.12	-125.36	0.71	0.44	10.76
10,506.71	3.09	298.34	10,477.20	142.66	-539.77	-125.68	0.78	0.52	10.98
10,520.29	3.17	299.77	10,490.76	143.02	-540.41	-126.02	0.82	0.59	10.53
10,533.86	3.26	301.12	10,504.31	143.41	-541.07	-126.38	0.87	0.66	9.95
10,547.43	3.36	302.35	10,517.85	143.82	-541.74	-126.77	0.90	0.74	9.06
10,561.00	3.45	303.44	10,531.40	144.26	-542.41	-127.19	0.82	0.66	8.03
10,574.43	3.53	304.56	10,544.80	144.72	-543.09	-127.62	0.78	0.60	8.34
10,587.86	3.61	305.57	10,558.21	145.20	-543.77	-128.08	0.76	0.60	7.52
10,601.29	3.69	306.49	10,571.61	145.70	-544.47	-128.56	0.74	0.60	6.85
10,614.71	3.76	307.36	10,585.00	146.22	-545.16	-129.06	0.67	0.52	6.48
10,628.14	3.84	308.21	10,598.40	146.77	-545.87	-129.59	0.73	0.60	6.33
10,641.57	3.91	309.06	10,611.80	147.34	-546.57	-130.13	0.67	0.52	6.33
10,655.00	3.97	309.96	10,625.20	147.92	-547.29	-130.70	0.64	0.45	6.70
10,668.75	4.04	311.07	10,638.92	148.55	-548.02	-131.30	0.76	0.51	8.07
10,682.50	4.10	312.00	10,652.63	149.19	-548.75	-131.92	0.65	0.44	6.76
10,696.25	4.15	312.47	10,666.35	149.86	-549.48	-132.56	0.44	0.36	3.42



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
10,710.00	4.21	312.13	10,680.06	150.53	-550.22	-133.21	0.47	0.44	-2.47
10,724.50	4.26	310.37	10,694.52	151.24	-551.03	-133.89	0.96	0.34	-12.14
10,739.00	4.32	307.82	10,708.98	151.92	-551.87	-134.55	1.38	0.41	-17.59
10,753.50	4.39	304.89	10,723.44	152.58	-552.75	-135.18	1.61	0.48	-20.21
10,768.00	4.46	301.87	10,737.90	153.19	-553.69	-135.76	1.68	0.48	-20.83
10,782.50	4.53	299.04	10,752.35	153.77	-554.67	-136.31	1.60	0.48	-19.52
10,797.00	4.13	285.86	10,766.81	154.19	-555.67	-136.69	7.38	-2.76	-90.90
10,811.50	4.11	254.30	10,781.27	154.19	-556.67	-136.67	15.44	-0.14	-217.66
10,826.00	5.63	230.74	10,795.72	153.60	-557.72	-136.04	17.12	10.48	-162.48
10,840.50	7.91	221.89	10,810.12	152.40	-558.94	-134.81	17.25	15.72	-61.03
10,855.00	10.24	218.60	10,824.44	150.65	-560.41	-133.02	16.46	16.07	-22.69
10,868.57	12.01	211.45	10,837.75	148.51	-561.90	-130.82	16.51	13.04	-52.69
10,882.14	14.11	205.46	10,850.97	145.81	-563.35	-128.08	18.39	15.48	-44.14
10,895.71	15.22	196.84	10,864.10	142.61	-564.58	-124.84	18.02	8.18	-63.52
10,909.29	16.17	189.79	10,877.18	139.04	-565.41	-121.25	15.68	7.00	-51.91
10,922.86	17.39	184.83	10,890.17	135.16	-565.91	-117.35	13.86	8.99	-36.55
10,936.43	19.35	181.80	10,903.05	130.89	-566.15	-113.08	16.06	14.44	-22.33
10,950.00	21.52	178.74	10,915.76	126.15	-566.16	-108.35	17.82	15.99	-22.55
10,963.57	23.47	175.04	10,928.30	120.97	-565.88	-103.18	17.75	14.37	-27.27
10,977.14	25.10	172.15	10,940.67	115.43	-565.25	-97.65	14.86	12.01	-21.30
10,990.71	24.90	171.29	10,952.97	109.75	-564.42	-92.01	3.06	-1.47	-6.34
11,004.29	24.70	170.45	10,965.30	104.13	-563.52	-86.42	2.98	-1.47	-6.19
11,017.86	25.68	166.64	10,977.58	98.47	-562.37	-80.80	13.96	7.22	-28.08
11,031.43	27.11	163.06	10,989.73	92.65	-560.79	-75.03	15.76	10.54	-26.38
11,045.00	28.86	161.17	11,001.72	86.59	-558.83	-69.04	14.46	12.90	-13.93
11,058.57	30.61	160.70	11,013.50	80.23	-556.63	-62.75	13.01	12.90	-3.46
11,069.77	32.06	160.59	11,023.06	74.74	-554.70	-57.32	12.98	12.97	-0.97
FTP: 11069.77' MD, 32.06° Inc									
11,072.14	32.37	160.57	11,025.07	73.55	-554.28	-56.14	12.98	12.97	-0.92
11,085.71	33.13	160.76	11,036.48	66.62	-551.85	-49.29	5.65	5.60	1.40
11,099.29	32.71	161.42	11,047.88	59.64	-549.46	-42.39	4.07	-3.09	4.86
11,112.86	34.14	161.55	11,059.21	52.55	-547.09	-35.38	10.55	10.54	0.96
11,126.43	35.47	163.51	11,070.35	45.16	-544.76	-28.07	12.81	9.80	14.44
11,140.00	36.75	165.79	11,081.31	37.45	-542.65	-20.42	13.67	9.43	16.80
11,153.57	38.09	167.87	11,092.09	29.42	-540.77	-12.46	13.57	9.87	15.33
11,167.14	39.47	169.78	11,102.67	21.09	-539.13	-4.18	13.46	10.17	14.08
11,180.71	39.36	170.20	11,113.15	12.60	-537.63	4.26	2.13	-0.81	3.10
11,194.29	39.09	170.37	11,123.67	4.14	-536.18	12.67	2.14	-1.99	1.25
11,207.86	40.13	170.52	11,134.13	-4.40	-534.74	21.15	7.70	7.66	1.11
11,221.43	41.59	170.34	11,144.39	-13.15	-533.27	29.86	10.79	10.76	-1.33
11,235.00	43.23	171.14	11,154.41	-22.18	-531.80	38.84	12.72	12.09	5.90
11,248.57	44.48	171.27	11,164.19	-31.47	-530.36	48.08	9.24	9.21	0.96
11,262.14	45.72	171.35	11,173.77	-40.97	-528.91	57.53	9.15	9.14	0.59
11,275.71	45.84	171.15	11,183.24	-50.59	-527.43	67.09	1.38	0.88	-1.47



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
11,289.29	45.71	170.73	11,192.71	-60.20	-525.89	76.65	2.41	-0.96	-3.09
11,302.86	46.85	170.50	11,202.09	-69.87	-524.30	86.27	8.49	8.40	-1.69
11,316.43	48.28	169.64	11,211.24	-79.74	-522.57	96.08	11.53	10.54	-6.34
11,330.00	49.94	169.15	11,220.13	-89.82	-520.68	106.10	12.53	12.23	-3.61
11,343.57	51.69	168.91	11,228.70	-100.15	-518.68	116.35	12.97	12.90	-1.77
11,357.14	53.47	168.53	11,236.94	-110.71	-516.57	126.85	13.30	13.12	-2.80
11,370.71	53.38	167.83	11,245.03	-121.38	-514.34	137.44	4.20	-0.66	-5.16
11,384.29	52.96	167.09	11,253.17	-131.99	-511.98	147.97	5.35	-3.09	-5.45
11,397.86	54.03	166.95	11,261.24	-142.62	-509.53	158.52	7.93	7.89	-1.03
11,411.43	55.54	166.69	11,269.07	-153.41	-507.00	169.23	11.24	11.13	-1.92
11,425.00	57.24	166.68	11,276.58	-164.41	-504.40	180.14	12.53	12.53	-0.07
11,438.57	58.99	166.46	11,283.75	-175.62	-501.72	191.26	12.97	12.90	-1.62
11,452.14	59.66	166.01	11,290.67	-186.95	-498.94	202.50	5.70	4.94	-3.32
11,465.71	59.48	165.88	11,297.54	-198.30	-496.10	213.76	1.56	-1.33	-0.96
11,479.29	59.32	165.77	11,304.46	-209.64	-493.24	224.99	1.37	-1.18	-0.81
11,492.86	59.03	165.99	11,311.41	-220.94	-490.40	236.20	2.55	-2.14	1.62
11,506.43	60.41	166.13	11,318.25	-232.31	-487.57	247.48	10.21	10.17	1.03
11,520.00	62.15	166.94	11,324.77	-243.88	-484.80	258.96	13.85	12.82	5.97
11,533.43	63.97	167.75	11,330.86	-255.57	-482.18	270.55	14.58	13.55	6.03
11,546.86	65.76	168.43	11,336.56	-267.46	-479.67	282.36	14.09	13.33	5.06
11,560.29	67.32	169.43	11,341.91	-279.55	-477.31	294.38	13.48	11.62	7.45
11,573.71	69.25	170.26	11,346.87	-291.82	-475.11	306.57	15.49	14.38	6.18
11,587.14	70.32	171.03	11,351.51	-304.26	-473.06	318.94	9.61	7.97	5.73
11,600.57	71.95	172.04	11,355.86	-316.83	-471.19	331.44	14.07	12.14	7.52
11,614.00	73.60	173.75	11,359.83	-329.56	-469.61	344.11	17.29	12.29	12.73
11,627.57	75.01	175.63	11,363.50	-342.56	-468.40	357.08	16.91	10.39	13.85
11,641.14	76.18	177.52	11,366.88	-355.68	-467.61	370.16	16.01	8.62	13.93
11,654.71	76.63	177.37	11,370.07	-368.86	-467.03	383.32	3.49	3.32	-1.11
11,668.29	76.44	176.77	11,373.23	-382.05	-466.35	396.48	4.52	-1.40	-4.42
11,681.86	77.86	175.81	11,376.25	-395.25	-465.49	409.65	12.53	10.46	-7.07
11,695.43	79.41	175.10	11,378.92	-408.51	-464.44	422.87	12.52	11.42	-5.23
11,709.00	80.54	174.11	11,381.29	-421.82	-463.18	436.13	11.00	8.33	-7.30
11,722.57	80.58	173.63	11,383.51	-435.12	-461.75	449.38	3.50	0.29	-3.54
11,736.14	80.65	173.15	11,385.72	-448.42	-460.21	462.63	3.53	0.52	-3.54
11,749.71	80.74	172.70	11,387.92	-461.71	-458.56	475.86	3.34	0.66	-3.32
11,763.29	80.81	172.29	11,390.10	-475.00	-456.81	489.09	3.02	0.52	-3.02
11,776.86	81.77	171.39	11,392.15	-488.28	-454.91	502.30	9.64	7.07	-6.63
11,790.43	82.95	170.61	11,393.96	-501.56	-452.80	515.51	10.40	8.70	-5.75
11,804.00	84.83	170.41	11,395.40	-514.87	-450.58	528.74	13.93	13.85	-1.47
11,817.43	87.04	170.20	11,396.35	-528.08	-448.32	541.87	16.53	16.46	-1.56
11,830.86	87.45	169.86	11,397.00	-541.29	-446.00	555.00	3.96	3.05	-2.53
11,844.29	87.36	169.54	11,397.60	-554.49	-443.60	568.12	2.47	-0.67	-2.38
11,857.71	87.26	169.22	11,398.23	-567.66	-441.13	581.21	2.50	-0.75	-2.38



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
11,871.14	87.18	168.92	11,398.89	-580.83	-438.59	594.30	2.31	-0.60	-2.23
11,884.57	87.11	168.64	11,399.56	-593.99	-435.98	607.36	2.15	-0.52	-2.08
11,898.00	87.09	168.41	11,400.23	-607.14	-433.31	620.42	1.72	-0.15	-1.71
11,908.50	87.12	168.28	11,400.76	-617.41	-431.19	630.62	1.27	0.29	-1.24
11,919.00	87.16	168.18	11,401.29	-627.67	-429.05	640.81	1.02	0.38	-0.95
11,932.57	87.17	168.10	11,401.96	-640.94	-426.27	653.98	0.59	0.07	-0.59
11,946.14	87.15	168.05	11,402.63	-654.20	-423.47	667.15	0.40	-0.15	-0.37
11,959.71	87.12	168.02	11,403.31	-667.46	-420.66	680.31	0.31	-0.22	-0.22
11,973.29	87.09	168.03	11,404.00	-680.72	-417.84	693.49	0.23	-0.22	0.07
11,986.86	87.08	168.05	11,404.69	-693.98	-415.03	706.65	0.16	-0.07	0.15
12,000.43	87.11	168.11	11,405.37	-707.24	-412.23	719.82	0.49	0.22	0.44
12,014.00	87.15	168.19	11,406.05	-720.51	-409.45	732.99	0.66	0.29	0.59
12,027.43	87.26	168.31	11,406.71	-733.64	-406.72	746.03	1.21	0.82	0.89
12,040.86	87.40	168.46	11,407.33	-746.78	-404.02	759.08	1.53	1.04	1.12
12,054.29	87.57	168.62	11,407.92	-759.93	-401.35	772.14	1.74	1.27	1.19
12,067.71	87.76	168.79	11,408.47	-773.08	-398.73	785.20	1.90	1.42	1.27
12,081.14	87.99	168.98	11,408.97	-786.25	-396.14	798.28	2.22	1.71	1.41
12,094.57	88.54	169.59	11,409.37	-799.44	-393.64	811.38	6.11	4.10	4.54
12,108.00	89.05	170.11	11,409.66	-812.65	-391.28	824.52	5.42	3.80	3.87
12,121.57	89.56	170.57	11,409.82	-826.03	-389.00	837.82	5.06	3.76	3.39
12,135.14	90.06	170.99	11,409.87	-839.43	-386.83	851.14	4.81	3.68	3.10
12,148.71	90.56	171.41	11,409.79	-852.84	-384.75	864.48	4.81	3.68	3.10
12,162.29	91.06	171.83	11,409.60	-866.27	-382.77	877.84	4.81	3.68	3.09
12,175.86	91.54	172.29	11,409.29	-879.71	-380.90	891.21	4.90	3.54	3.39
12,189.43	92.01	172.82	11,408.87	-893.15	-379.14	904.60	5.22	3.46	3.91
12,203.00	92.47	173.44	11,408.34	-906.62	-377.52	918.00	5.69	3.39	4.57
12,216.57	92.90	174.22	11,407.71	-920.09	-376.06	931.43	6.56	3.17	5.75
12,230.14	93.09	174.81	11,407.00	-933.58	-374.77	944.87	4.56	1.40	4.35
12,243.71	93.24	175.44	11,406.25	-947.08	-373.61	958.33	4.77	1.11	4.64
12,257.29	93.47	176.24	11,405.45	-960.60	-372.63	971.81	6.12	1.69	5.89
12,270.86	93.58	177.36	11,404.62	-974.13	-371.88	985.30	8.28	0.81	8.25
12,284.43	93.54	178.63	11,403.78	-987.66	-371.40	998.82	9.35	-0.29	9.36
12,298.00	93.42	179.88	11,402.95	-1,001.21	-371.23	1,012.35	9.24	-0.88	9.21
12,311.43	93.20	181.05	11,402.18	-1,014.61	-371.33	1,025.75	8.85	-1.64	8.71
12,324.86	92.91	182.17	11,401.46	-1,028.02	-371.71	1,039.16	8.60	-2.16	8.34
12,338.29	92.58	183.25	11,400.82	-1,041.42	-372.35	1,052.58	8.40	-2.46	8.04
12,351.71	92.32	183.69	11,400.25	-1,054.80	-373.16	1,065.98	3.81	-1.94	3.28
12,365.14	91.66	184.48	11,399.78	-1,068.19	-374.11	1,079.39	7.66	-4.91	5.88
12,378.57	91.25	184.95	11,399.44	-1,081.57	-375.22	1,092.80	4.64	-3.05	3.50
12,392.00	90.64	185.49	11,399.22	-1,094.94	-376.44	1,106.20	6.07	-4.54	4.02
12,405.57	90.13	185.76	11,399.13	-1,108.44	-377.77	1,119.74	4.25	-3.76	1.99
12,419.14	89.87	186.00	11,399.13	-1,121.94	-379.16	1,133.28	2.61	-1.92	1.77
12,432.71	89.65	186.22	11,399.18	-1,135.44	-380.60	1,146.81	2.29	-1.62	1.62



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
12,446.29	89.58	186.42	11,399.27	-1,148.93	-382.10	1,160.34	1.56	-0.52	1.47
12,459.86	89.58	186.60	11,399.37	-1,162.41	-383.64	1,173.87	1.33	0.00	1.33
12,473.43	89.96	186.76	11,399.43	-1,175.89	-385.21	1,187.39	3.04	2.80	1.18
12,487.00	90.10	186.91	11,399.42	-1,189.37	-386.83	1,200.91	1.51	1.03	1.11
12,500.57	90.19	187.11	11,399.39	-1,202.83	-388.49	1,214.42	1.62	0.66	1.47
12,514.14	90.25	187.20	11,399.33	-1,216.30	-390.18	1,227.93	0.80	0.44	0.66
12,527.71	90.27	187.36	11,399.27	-1,229.76	-391.90	1,241.44	1.19	0.15	1.18
12,541.29	90.29	187.51	11,399.21	-1,243.23	-393.65	1,254.95	1.11	0.15	1.10
12,554.86	90.29	187.57	11,399.14	-1,256.68	-395.43	1,268.45	0.44	0.00	0.44
12,568.43	90.27	187.49	11,399.07	-1,270.13	-397.21	1,281.96	0.61	-0.15	-0.59
12,582.00	90.26	187.42	11,399.01	-1,283.59	-398.97	1,295.46	0.52	-0.07	-0.52
12,595.57	90.21	187.37	11,398.95	-1,297.04	-400.72	1,308.97	0.52	-0.37	-0.37
12,609.14	90.18	187.34	11,398.91	-1,310.50	-402.46	1,322.47	0.31	-0.22	-0.22
12,622.71	90.13	187.30	11,398.87	-1,323.96	-404.18	1,335.98	0.47	-0.37	-0.29
12,636.29	90.09	187.22	11,398.84	-1,337.43	-405.90	1,349.50	0.66	-0.29	-0.59
12,649.86	90.09	187.13	11,398.82	-1,350.90	-407.60	1,363.01	0.66	0.00	-0.66
12,663.43	90.03	187.28	11,398.81	-1,364.36	-409.30	1,376.52	1.19	-0.44	1.11
12,677.00	89.97	187.64	11,398.81	-1,377.81	-411.06	1,390.02	2.69	-0.44	2.65
12,690.43	89.94	187.47	11,398.82	-1,391.13	-412.83	1,403.38	1.29	-0.22	-1.27
12,703.86	89.92	186.97	11,398.83	-1,404.45	-414.51	1,416.75	3.73	-0.15	-3.72
12,717.29	89.89	186.29	11,398.86	-1,417.79	-416.06	1,430.13	5.07	-0.22	-5.06
12,730.71	89.88	185.59	11,398.88	-1,431.14	-417.45	1,443.52	5.22	-0.07	-5.22
12,744.14	89.86	184.88	11,398.91	-1,444.51	-418.68	1,456.92	5.29	-0.15	-5.29
12,757.57	89.84	184.16	11,398.95	-1,457.90	-419.74	1,470.34	5.36	-0.15	-5.36
12,771.00	89.83	183.47	11,398.99	-1,471.30	-420.63	1,483.76	5.14	-0.07	-5.14
12,784.57	89.80	183.12	11,399.03	-1,484.85	-421.41	1,497.33	2.59	-0.22	-2.58
12,798.14	89.78	183.23	11,399.08	-1,498.40	-422.16	1,510.89	0.82	-0.15	0.81
12,811.71	89.83	183.33	11,399.13	-1,511.94	-422.94	1,524.46	0.82	0.37	0.74
12,825.29	89.87	183.44	11,399.16	-1,525.50	-423.74	1,538.03	0.86	0.29	0.81
12,838.86	89.83	182.94	11,399.20	-1,539.05	-424.49	1,551.60	3.70	-0.29	-3.68
12,852.43	89.78	182.74	11,399.25	-1,552.60	-425.17	1,565.17	1.52	-0.37	-1.47
12,866.00	89.71	182.38	11,399.31	-1,566.16	-425.77	1,578.73	2.70	-0.52	-2.65
12,879.57	89.65	182.05	11,399.38	-1,579.72	-426.30	1,592.30	2.47	-0.44	-2.43
12,893.14	89.61	181.81	11,399.47	-1,593.28	-426.75	1,605.87	1.79	-0.29	-1.77
12,906.71	89.49	181.64	11,399.58	-1,606.84	-427.16	1,619.44	1.53	-0.88	-1.25
12,920.29	89.37	181.49	11,399.71	-1,620.42	-427.53	1,633.02	1.41	-0.88	-1.10
12,933.86	89.36	181.38	11,399.86	-1,633.98	-427.87	1,646.59	0.81	-0.07	-0.81
12,947.43	89.38	181.30	11,400.01	-1,647.55	-428.19	1,660.16	0.61	0.15	-0.59
12,961.00	89.36	181.69	11,400.16	-1,661.11	-428.55	1,673.73	2.88	-0.15	2.87
12,974.57	89.34	181.94	11,400.31	-1,674.68	-428.98	1,687.30	1.85	-0.15	1.84
12,988.14	89.32	182.13	11,400.47	-1,688.24	-429.46	1,700.87	1.41	-0.15	1.40
13,001.71	89.28	181.85	11,400.64	-1,701.80	-429.93	1,714.44	2.08	-0.29	-2.06
13,015.29	89.25	181.52	11,400.81	-1,715.37	-430.33	1,728.01	2.44	-0.22	-2.43
13,028.86	89.15	181.26	11,401.00	-1,728.93	-430.66	1,741.58	2.05	-0.74	-1.92



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
13,042.43	89.02	181.16	11,401.22	-1,742.50	-430.94	1,755.15	1.21	-0.96	-0.74
13,056.00	89.01	180.92	11,401.45	-1,756.07	-431.19	1,768.72	1.77	-0.07	-1.77
13,069.57	89.03	180.65	11,401.68	-1,769.63	-431.38	1,782.28	1.99	0.15	-1.99
13,083.14	89.06	180.65	11,401.91	-1,783.20	-431.53	1,795.85	0.22	0.22	0.00
13,096.71	89.09	180.63	11,402.13	-1,796.77	-431.68	1,809.41	0.27	0.22	-0.15
13,110.29	89.10	180.62	11,402.34	-1,810.34	-431.83	1,822.99	0.10	0.07	-0.07
13,123.86	89.11	180.61	11,402.56	-1,823.91	-431.97	1,836.56	0.10	0.07	-0.07
13,137.43	89.04	180.21	11,402.77	-1,837.48	-432.07	1,850.12	2.99	-0.52	-2.95
13,151.00	88.89	179.94	11,403.02	-1,851.05	-432.09	1,863.68	2.28	-1.11	-1.99
13,164.43	88.62	179.88	11,403.31	-1,864.47	-432.07	1,877.10	2.06	-2.01	-0.45
13,177.86	88.43	179.93	11,403.66	-1,877.90	-432.05	1,890.52	1.46	-1.41	0.37
13,191.29	88.27	180.05	11,404.04	-1,891.32	-432.04	1,903.94	1.49	-1.19	0.89
13,204.71	88.11	180.20	11,404.47	-1,904.74	-432.07	1,917.34	1.63	-1.19	1.12
13,218.14	87.96	180.35	11,404.93	-1,918.16	-432.14	1,930.76	1.58	-1.12	1.12
13,231.57	87.85	180.56	11,405.42	-1,931.58	-432.24	1,944.18	1.76	-0.82	1.56
13,245.00	87.79	180.78	11,405.93	-1,945.00	-432.40	1,957.60	1.70	-0.45	1.64
13,258.57	87.82	180.90	11,406.45	-1,958.56	-432.60	1,971.15	0.91	0.22	0.88
13,272.14	87.90	180.96	11,406.96	-1,972.12	-432.82	1,984.71	0.74	0.59	0.44
13,285.71	88.02	180.97	11,407.44	-1,985.68	-433.05	1,998.27	0.89	0.88	0.07
13,299.29	88.15	180.94	11,407.89	-1,999.25	-433.27	2,011.84	0.98	0.96	-0.22
13,312.86	88.29	180.88	11,408.32	-2,012.81	-433.49	2,025.41	1.12	1.03	-0.44
13,326.43	88.48	180.90	11,408.70	-2,026.37	-433.70	2,038.97	1.41	1.40	0.15
13,340.00	88.69	180.94	11,409.03	-2,039.94	-433.92	2,052.53	1.58	1.55	0.29
13,353.57	88.81	180.95	11,409.33	-2,053.50	-434.14	2,066.10	0.89	0.88	0.07
13,367.14	88.88	180.84	11,409.60	-2,067.07	-434.35	2,079.66	0.96	0.52	-0.81
13,380.71	88.92	180.47	11,409.86	-2,080.63	-434.51	2,093.23	2.74	0.29	-2.73
13,394.29	88.93	180.11	11,410.12	-2,094.21	-434.58	2,106.80	2.65	0.07	-2.65
13,407.86	88.95	179.77	11,410.37	-2,107.78	-434.56	2,120.36	2.51	0.15	-2.51
13,421.43	88.94	179.68	11,410.62	-2,121.35	-434.50	2,133.92	0.67	-0.07	-0.66
13,435.00	88.95	179.73	11,410.87	-2,134.91	-434.43	2,147.48	0.38	0.07	0.37
13,448.57	88.90	179.66	11,411.12	-2,148.48	-434.36	2,161.04	0.63	-0.37	-0.52
13,462.14	88.87	179.67	11,411.39	-2,162.05	-434.28	2,174.60	0.23	-0.22	0.07
13,475.71	88.86	179.62	11,411.66	-2,175.61	-434.19	2,188.15	0.38	-0.07	-0.37
13,489.29	88.85	179.59	11,411.93	-2,189.19	-434.10	2,201.72	0.23	-0.07	-0.22
13,502.86	88.85	179.57	11,412.20	-2,202.76	-434.00	2,215.28	0.15	0.00	-0.15
13,516.43	88.85	179.70	11,412.47	-2,216.33	-433.91	2,228.84	0.96	0.00	0.96
13,530.00	88.86	179.87	11,412.74	-2,229.89	-433.86	2,242.40	1.25	0.07	1.25
13,543.57	88.85	179.87	11,413.01	-2,243.46	-433.83	2,255.96	0.07	-0.07	0.00
13,557.14	88.83	179.97	11,413.29	-2,257.03	-433.81	2,269.51	0.75	-0.15	0.74
13,570.71	88.83	180.17	11,413.57	-2,270.59	-433.83	2,283.08	1.47	0.00	1.47
13,584.29	88.82	180.36	11,413.84	-2,284.17	-433.89	2,296.65	1.40	-0.07	1.40
13,597.86	88.82	180.52	11,414.12	-2,297.74	-434.00	2,310.21	1.18	0.00	1.18
13,611.43	88.85	180.44	11,414.40	-2,311.30	-434.11	2,323.78	0.63	0.22	-0.59



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
13,625.00	88.90	180.26	11,414.67	-2,324.87	-434.19	2,337.34	1.38	0.37	-1.33
13,638.43	88.93	180.18	11,414.92	-2,338.30	-434.24	2,350.76	0.64	0.22	-0.60
13,651.86	88.96	180.08	11,415.17	-2,351.73	-434.27	2,364.18	0.78	0.22	-0.74
13,665.29	89.00	179.99	11,415.41	-2,365.15	-434.28	2,377.60	0.73	0.30	-0.67
13,678.71	89.05	179.91	11,415.64	-2,378.57	-434.27	2,391.02	0.70	0.37	-0.60
13,692.14	89.10	179.83	11,415.85	-2,392.00	-434.24	2,404.44	0.70	0.37	-0.60
13,705.57	89.12	179.58	11,416.06	-2,405.43	-434.17	2,417.86	1.87	0.15	-1.86
13,719.00	89.14	179.40	11,416.26	-2,418.86	-434.05	2,431.27	1.35	0.15	-1.34
13,732.57	89.14	179.30	11,416.47	-2,432.42	-433.90	2,444.83	0.74	0.00	-0.74
13,746.14	89.12	179.28	11,416.67	-2,445.99	-433.73	2,458.38	0.21	-0.15	-0.15
13,759.71	89.09	179.29	11,416.89	-2,459.56	-433.56	2,471.94	0.23	-0.22	0.07
13,773.29	89.06	179.32	11,417.11	-2,473.14	-433.40	2,485.51	0.31	-0.22	0.22
13,786.86	89.03	179.36	11,417.33	-2,486.70	-433.24	2,499.06	0.37	-0.22	0.29
13,800.43	88.99	179.38	11,417.57	-2,500.27	-433.09	2,512.62	0.33	-0.29	0.15
13,814.00	88.96	179.40	11,417.81	-2,513.84	-432.95	2,526.17	0.27	-0.22	0.15
13,827.57	88.96	179.40	11,418.06	-2,527.40	-432.80	2,539.73	0.00	0.00	0.00
13,841.14	88.96	179.40	11,418.30	-2,540.97	-432.66	2,553.28	0.00	0.00	0.00
13,854.71	88.96	179.44	11,418.55	-2,554.54	-432.52	2,566.84	0.29	0.00	0.29
13,868.29	88.96	179.46	11,418.79	-2,568.12	-432.39	2,580.41	0.15	0.00	0.15
13,881.86	88.96	179.47	11,419.04	-2,581.68	-432.27	2,593.96	0.07	0.00	0.07
13,895.43	88.96	179.52	11,419.29	-2,595.25	-432.15	2,607.52	0.37	0.00	0.37
13,909.00	88.94	179.57	11,419.54	-2,608.82	-432.04	2,621.08	0.40	-0.15	0.37
13,922.43	88.91	179.59	11,419.79	-2,622.25	-431.94	2,634.50	0.27	-0.22	0.15
13,935.86	88.86	179.48	11,420.05	-2,635.67	-431.83	2,647.91	0.90	-0.37	-0.82
13,949.29	88.81	179.26	11,420.32	-2,649.10	-431.69	2,661.33	1.68	-0.37	-1.64
13,962.71	88.77	179.04	11,420.61	-2,662.51	-431.49	2,674.73	1.67	-0.30	-1.64
13,976.14	88.72	178.84	11,420.90	-2,675.94	-431.24	2,688.14	1.53	-0.37	-1.49
13,989.57	88.69	178.86	11,421.20	-2,689.36	-430.97	2,701.55	0.27	-0.22	0.15
14,003.00	88.67	178.86	11,421.51	-2,702.79	-430.70	2,714.96	0.15	-0.15	0.00
14,016.57	88.68	178.85	11,421.83	-2,716.35	-430.43	2,728.51	0.10	0.07	-0.07
14,030.14	88.70	178.98	11,422.14	-2,729.91	-430.17	2,742.06	0.97	0.15	0.96
14,043.71	88.74	179.15	11,422.44	-2,743.48	-429.95	2,755.61	1.29	0.29	1.25
14,057.29	88.79	179.34	11,422.73	-2,757.05	-429.77	2,769.17	1.45	0.37	1.40
14,070.86	88.85	179.52	11,423.01	-2,770.62	-429.64	2,782.73	1.40	0.44	1.33
14,084.43	88.93	179.57	11,423.27	-2,784.19	-429.53	2,796.28	0.70	0.59	0.37
14,098.00	89.02	179.62	11,423.52	-2,797.76	-429.43	2,809.84	0.76	0.66	0.37
14,111.57	89.13	179.67	11,423.74	-2,811.32	-429.35	2,823.40	0.89	0.81	0.37
14,125.14	89.25	179.71	11,423.93	-2,824.89	-429.28	2,836.96	0.93	0.88	0.29
14,138.71	89.37	179.73	11,424.09	-2,838.46	-429.21	2,850.52	0.90	0.88	0.15
14,152.29	89.49	179.75	11,424.23	-2,852.04	-429.15	2,864.09	0.90	0.88	0.15
14,165.86	89.61	179.81	11,424.33	-2,865.61	-429.10	2,877.65	0.99	0.88	0.44
14,179.43	89.70	179.87	11,424.41	-2,879.18	-429.06	2,891.21	0.80	0.66	0.44
14,193.00	89.78	179.85	11,424.48	-2,892.75	-429.03	2,904.77	0.61	0.59	-0.15



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
14,206.57	89.81	179.81	11,424.52	-2,906.32	-428.99	2,918.34	0.37	0.22	-0.29
14,220.14	89.85	179.79	11,424.57	-2,919.89	-428.94	2,931.90	0.33	0.29	-0.15
14,233.71	89.78	179.65	11,424.61	-2,933.46	-428.87	2,945.46	1.15	-0.52	-1.03
14,247.29	89.69	179.51	11,424.67	-2,947.04	-428.77	2,959.03	1.23	-0.66	-1.03
14,260.86	89.63	179.42	11,424.75	-2,960.61	-428.65	2,972.59	0.80	-0.44	-0.66
14,274.43	89.60	179.41	11,424.84	-2,974.18	-428.51	2,986.15	0.23	-0.22	-0.07
14,288.00	89.58	179.37	11,424.94	-2,987.74	-428.36	2,999.70	0.33	-0.15	-0.29
14,301.57	89.57	179.37	11,425.04	-3,001.31	-428.21	3,013.26	0.07	-0.07	0.00
14,315.14	89.56	179.39	11,425.14	-3,014.88	-428.07	3,026.82	0.16	-0.07	0.15
14,328.71	89.56	179.46	11,425.25	-3,028.45	-427.93	3,040.38	0.52	0.00	0.52
14,342.29	89.57	179.55	11,425.35	-3,042.03	-427.81	3,053.94	0.67	0.07	0.66
14,355.86	89.58	179.63	11,425.45	-3,055.60	-427.72	3,067.50	0.59	0.07	0.59
14,369.43	89.57	179.63	11,425.55	-3,069.17	-427.63	3,081.06	0.07	-0.07	0.00
14,383.00	89.57	179.59	11,425.65	-3,082.74	-427.54	3,094.62	0.29	0.00	-0.29
14,396.57	89.57	179.47	11,425.76	-3,096.31	-427.42	3,108.18	0.88	0.00	-0.88
14,410.14	89.53	179.37	11,425.86	-3,109.88	-427.29	3,121.74	0.79	-0.29	-0.74
14,423.71	89.48	179.25	11,425.98	-3,123.44	-427.12	3,135.30	0.96	-0.37	-0.88
14,437.29	89.42	179.11	11,426.11	-3,137.02	-426.93	3,148.86	1.12	-0.44	-1.03
14,450.86	89.37	178.98	11,426.25	-3,150.59	-426.70	3,162.42	1.03	-0.37	-0.96
14,464.43	89.34	178.90	11,426.41	-3,164.16	-426.45	3,175.97	0.63	-0.22	-0.59
14,478.00	89.32	178.82	11,426.57	-3,177.72	-426.18	3,189.52	0.61	-0.15	-0.59
14,491.57	89.31	178.79	11,426.73	-3,191.29	-425.90	3,203.07	0.23	-0.07	-0.22
14,505.14	89.30	178.76	11,426.89	-3,204.86	-425.61	3,216.62	0.23	-0.07	-0.22
14,518.71	89.32	178.90	11,427.06	-3,218.42	-425.33	3,230.17	1.04	0.15	1.03
14,532.29	89.35	179.05	11,427.21	-3,232.00	-425.09	3,243.73	1.13	0.22	1.10
14,545.86	89.38	179.19	11,427.36	-3,245.57	-424.88	3,257.29	1.06	0.22	1.03
14,559.43	89.41	179.23	11,427.51	-3,259.13	-424.69	3,270.84	0.37	0.22	0.29
14,573.00	89.43	179.21	11,427.64	-3,272.70	-424.51	3,284.40	0.21	0.15	-0.15
14,587.62	89.47	179.12	11,427.78	-3,287.32	-424.30	3,299.00	0.67	0.27	-0.62
14,602.23	89.50	179.04	11,427.92	-3,301.93	-424.06	3,313.60	0.58	0.21	-0.55
14,616.85	89.54	179.09	11,428.04	-3,316.54	-423.82	3,328.20	0.44	0.27	0.34
14,631.46	89.58	179.12	11,428.15	-3,331.15	-423.59	3,342.79	0.34	0.27	0.21
14,646.08	89.62	178.99	11,428.25	-3,345.77	-423.35	3,357.40	0.93	0.27	-0.89
14,660.69	89.67	178.90	11,428.34	-3,360.38	-423.08	3,371.99	0.70	0.34	-0.62
14,675.31	89.78	178.83	11,428.41	-3,374.99	-422.80	3,386.59	0.89	0.75	-0.48
14,689.92	89.85	178.77	11,428.46	-3,389.60	-422.49	3,401.18	0.63	0.48	-0.41
14,704.54	89.88	178.72	11,428.50	-3,404.22	-422.17	3,415.78	0.40	0.21	-0.34
14,719.15	89.91	178.68	11,428.52	-3,418.82	-421.84	3,430.37	0.34	0.21	-0.27
14,733.77	89.93	178.66	11,428.54	-3,433.44	-421.50	3,444.96	0.19	0.14	-0.14
14,748.38	89.95	178.70	11,428.56	-3,448.05	-421.16	3,459.55	0.31	0.14	0.27
14,763.00	89.94	178.82	11,428.57	-3,462.66	-420.85	3,474.15	0.82	-0.07	0.82
14,776.57	90.00	178.94	11,428.58	-3,476.23	-420.58	3,487.70	0.99	0.44	0.88
14,790.14	90.05	179.09	11,428.57	-3,489.80	-420.35	3,501.26	1.17	0.37	1.11
14,803.71	90.02	179.30	11,428.56	-3,503.37	-420.16	3,514.81	1.56	-0.22	1.55



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
14,817.29	89.96	179.44	11,428.57	-3,516.95	-420.01	3,528.38	1.12	-0.44	1.03
14,830.86	89.88	179.50	11,428.59	-3,530.52	-419.88	3,541.94	0.74	-0.59	0.44
14,844.43	89.83	179.55	11,428.62	-3,544.08	-419.77	3,555.50	0.52	-0.37	0.37
14,858.00	89.80	179.56	11,428.66	-3,557.65	-419.66	3,569.06	0.23	-0.22	0.07
14,871.57	89.80	179.53	11,428.71	-3,571.22	-419.56	3,582.62	0.22	0.00	-0.22
14,885.14	89.82	179.50	11,428.76	-3,584.79	-419.44	3,596.18	0.27	0.15	-0.22
14,898.71	89.85	179.45	11,428.80	-3,598.36	-419.32	3,609.74	0.43	0.22	-0.37
14,912.29	89.88	179.39	11,428.83	-3,611.94	-419.18	3,623.31	0.49	0.22	-0.44
14,925.86	89.91	179.33	11,428.85	-3,625.51	-419.03	3,636.86	0.49	0.22	-0.44
14,939.43	89.94	179.24	11,428.87	-3,639.08	-418.86	3,650.42	0.70	0.22	-0.66
14,953.00	89.96	179.18	11,428.88	-3,652.65	-418.67	3,663.98	0.47	0.15	-0.44
14,966.57	89.98	179.14	11,428.89	-3,666.22	-418.47	3,677.53	0.33	0.15	-0.29
14,980.14	90.00	179.14	11,428.89	-3,679.79	-418.27	3,691.09	0.15	0.15	0.00
14,993.71	90.01	179.24	11,428.89	-3,693.35	-418.08	3,704.64	0.74	0.07	0.74
15,007.29	90.02	179.36	11,428.89	-3,706.93	-417.91	3,718.21	0.89	0.07	0.88
15,020.86	90.03	179.47	11,428.88	-3,720.50	-417.77	3,731.77	0.81	0.07	0.81
15,034.43	90.02	179.48	11,428.87	-3,734.07	-417.65	3,745.33	0.10	-0.07	0.07
15,048.00	90.05	179.55	11,428.87	-3,747.64	-417.53	3,758.89	0.56	0.22	0.52
15,061.43	90.08	179.63	11,428.85	-3,761.07	-417.44	3,772.31	0.64	0.22	0.60
15,074.86	90.07	179.65	11,428.83	-3,774.50	-417.35	3,785.73	0.17	-0.07	0.15
15,088.29	90.05	179.66	11,428.82	-3,787.93	-417.27	3,799.15	0.17	-0.15	0.07
15,101.71	90.03	179.67	11,428.81	-3,801.35	-417.19	3,812.56	0.17	-0.15	0.07
15,115.14	90.01	179.68	11,428.81	-3,814.78	-417.12	3,825.98	0.17	-0.15	0.07
15,128.57	89.98	179.71	11,428.81	-3,828.21	-417.05	3,839.40	0.32	-0.22	0.22
15,142.00	89.94	179.76	11,428.82	-3,841.64	-416.98	3,852.82	0.48	-0.30	0.37
15,155.57	89.88	179.85	11,428.84	-3,855.21	-416.94	3,866.38	0.80	-0.44	0.66
15,169.14	89.87	180.06	11,428.87	-3,868.78	-416.93	3,879.95	1.55	-0.07	1.55
15,182.71	89.85	180.18	11,428.90	-3,882.35	-416.95	3,893.51	0.90	-0.15	0.88
15,196.29	89.84	180.29	11,428.94	-3,895.93	-417.01	3,907.09	0.81	-0.07	0.81
15,209.86	89.82	180.43	11,428.98	-3,909.50	-417.10	3,920.65	1.04	-0.15	1.03
15,223.43	89.79	180.64	11,429.02	-3,923.07	-417.22	3,934.22	1.56	-0.22	1.55
15,237.00	89.76	180.71	11,429.08	-3,936.64	-417.38	3,947.79	0.56	-0.22	0.52
15,251.62	89.75	180.69	11,429.14	-3,951.26	-417.56	3,962.40	0.15	-0.07	-0.14
15,266.23	89.79	180.77	11,429.20	-3,965.86	-417.75	3,977.01	0.61	0.27	0.55
15,280.85	89.69	180.63	11,429.26	-3,980.48	-417.93	3,991.63	1.18	-0.68	-0.96
15,295.46	89.61	180.47	11,429.35	-3,995.09	-418.07	4,006.23	1.22	-0.55	-1.10
15,310.08	89.60	180.25	11,429.45	-4,009.71	-418.16	4,020.85	1.51	-0.07	-1.50
15,324.69	89.62	180.04	11,429.55	-4,024.32	-418.19	4,035.45	1.44	0.14	-1.44
15,339.31	89.62	179.85	11,429.65	-4,038.94	-418.18	4,050.06	1.30	0.00	-1.30
15,353.92	89.65	179.74	11,429.74	-4,053.55	-418.13	4,064.66	0.78	0.21	-0.75
15,368.54	89.69	179.69	11,429.83	-4,068.17	-418.06	4,079.27	0.44	0.27	-0.34
15,383.15	89.75	179.69	11,429.90	-4,082.78	-417.98	4,093.87	0.41	0.41	0.00
15,397.77	89.80	179.66	11,429.96	-4,097.40	-417.89	4,108.48	0.40	0.34	-0.21



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
15,412.38	89.85	179.62	11,430.00	-4,112.01	-417.80	4,123.08	0.44	0.34	-0.27
15,427.00	89.89	179.40	11,430.03	-4,126.63	-417.68	4,137.69	1.53	0.27	-1.50
15,440.57	89.89	179.29	11,430.06	-4,140.20	-417.52	4,151.25	0.81	0.00	-0.81
15,454.14	89.86	179.24	11,430.09	-4,153.77	-417.35	4,164.81	0.43	-0.22	-0.37
15,467.71	89.91	179.36	11,430.12	-4,167.34	-417.18	4,178.36	0.96	0.37	0.88
15,481.29	89.95	179.49	11,430.13	-4,180.91	-417.05	4,191.93	1.00	0.29	0.96
15,494.86	89.95	179.58	11,430.15	-4,194.48	-416.94	4,205.49	0.66	0.00	0.66
15,508.43	89.95	179.61	11,430.16	-4,208.05	-416.84	4,219.05	0.22	0.00	0.22
15,522.00	89.94	179.50	11,430.17	-4,221.62	-416.73	4,232.61	0.81	-0.07	-0.81
15,535.43	89.94	179.50	11,430.18	-4,235.05	-416.62	4,246.03	0.00	0.00	0.00
15,548.86	89.94	179.60	11,430.20	-4,248.48	-416.51	4,259.45	0.74	0.00	0.74
15,562.29	89.94	179.79	11,430.21	-4,261.91	-416.44	4,272.87	1.41	0.00	1.41
15,575.71	89.94	179.99	11,430.23	-4,275.33	-416.41	4,286.28	1.49	0.00	1.49
15,589.14	89.94	180.08	11,430.24	-4,288.76	-416.42	4,299.71	0.67	0.00	0.67
15,602.57	89.94	180.05	11,430.26	-4,302.19	-416.44	4,313.13	0.22	0.00	-0.22
15,616.00	89.93	180.04	11,430.27	-4,315.62	-416.45	4,326.55	0.11	-0.07	-0.07
15,629.57	89.93	179.99	11,430.29	-4,329.19	-416.45	4,340.12	0.37	0.00	-0.37
15,643.14	89.95	179.90	11,430.30	-4,342.76	-416.44	4,353.68	0.68	0.15	-0.66
15,656.71	89.97	179.86	11,430.31	-4,356.33	-416.41	4,367.24	0.33	0.15	-0.29
15,670.29	89.99	179.81	11,430.32	-4,369.91	-416.37	4,380.82	0.40	0.15	-0.37
15,683.86	90.00	179.74	11,430.32	-4,383.48	-416.32	4,394.38	0.52	0.07	-0.52
15,697.43	90.00	179.58	11,430.32	-4,397.05	-416.24	4,407.94	1.18	0.00	-1.18
15,711.00	90.01	179.43	11,430.32	-4,410.62	-416.12	4,421.50	1.11	0.07	-1.11
15,724.57	90.04	179.35	11,430.31	-4,424.19	-415.98	4,435.06	0.63	0.22	-0.59
15,738.14	90.08	179.52	11,430.30	-4,437.76	-415.84	4,448.61	1.29	0.29	1.25
15,751.71	90.26	179.59	11,430.25	-4,451.33	-415.74	4,462.17	1.42	1.33	0.52
15,765.29	90.45	179.65	11,430.17	-4,464.91	-415.65	4,475.74	1.47	1.40	0.44
15,778.86	90.53	179.69	11,430.05	-4,478.48	-415.57	4,489.30	0.66	0.59	0.29
15,792.43	90.52	179.73	11,429.93	-4,492.05	-415.50	4,502.86	0.30	-0.07	0.29
15,806.00	90.51	179.83	11,429.81	-4,505.62	-415.45	4,516.42	0.74	-0.07	0.74
15,819.43	90.43	179.95	11,429.70	-4,519.05	-415.42	4,529.85	1.07	-0.60	0.89
15,832.86	90.29	180.08	11,429.61	-4,532.48	-415.43	4,543.27	1.42	-1.04	0.97
15,846.29	90.13	180.10	11,429.56	-4,545.91	-415.45	4,556.69	1.20	-1.19	0.15
15,859.71	89.98	180.08	11,429.55	-4,559.33	-415.47	4,570.11	1.13	-1.12	-0.15
15,873.14	89.83	180.04	11,429.57	-4,572.76	-415.48	4,583.53	1.16	-1.12	-0.30
15,886.57	89.74	180.15	11,429.62	-4,586.19	-415.50	4,596.96	1.06	-0.67	0.82
15,900.00	89.70	180.24	11,429.69	-4,599.62	-415.55	4,610.38	0.73	-0.30	0.67
15,913.57	89.69	180.28	11,429.76	-4,613.19	-415.61	4,623.95	0.30	-0.07	0.29
15,927.14	89.74	180.32	11,429.83	-4,626.75	-415.68	4,637.51	0.47	0.37	0.29
15,940.71	89.82	180.36	11,429.88	-4,640.32	-415.76	4,651.08	0.66	0.59	0.29
15,954.29	89.90	180.39	11,429.92	-4,653.90	-415.85	4,664.65	0.63	0.59	0.22
15,967.86	90.00	180.34	11,429.93	-4,667.47	-415.94	4,678.22	0.82	0.74	-0.37
15,981.43	90.19	180.17	11,429.90	-4,681.04	-416.00	4,691.78	1.88	1.40	-1.25



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
15,995.00	90.27	179.88	11,429.85	-4,694.61	-416.00	4,705.35	2.22	0.59	-2.14
16,008.57	90.16	179.54	11,429.80	-4,708.18	-415.94	4,718.91	2.63	-0.81	-2.51
16,022.14	89.96	179.35	11,429.78	-4,721.75	-415.80	4,732.47	2.03	-1.47	-1.40
16,035.71	89.57	179.13	11,429.84	-4,735.32	-415.62	4,746.02	3.30	-2.87	-1.62
16,049.29	89.16	178.92	11,429.99	-4,748.90	-415.39	4,759.59	3.39	-3.02	-1.55
16,062.86	88.80	178.73	11,430.23	-4,762.46	-415.11	4,773.13	3.00	-2.65	-1.40
16,076.43	88.60	178.75	11,430.54	-4,776.03	-414.82	4,786.68	1.48	-1.47	0.15
16,090.00	88.43	178.69	11,430.89	-4,789.59	-414.51	4,800.23	1.33	-1.25	-0.44
16,103.43	88.35	178.64	11,431.27	-4,803.01	-414.20	4,813.63	0.70	-0.60	-0.37
16,116.86	88.35	178.73	11,431.66	-4,816.43	-413.89	4,827.04	0.67	0.00	0.67
16,130.29	88.38	178.91	11,432.04	-4,829.85	-413.62	4,840.44	1.36	0.22	1.34
16,143.71	88.43	179.11	11,432.41	-4,843.27	-413.38	4,853.84	1.54	0.37	1.49
16,157.14	88.48	179.16	11,432.77	-4,856.69	-413.18	4,867.25	0.53	0.37	0.37
16,170.57	88.54	179.04	11,433.12	-4,870.11	-412.97	4,880.66	1.00	0.45	-0.89
16,184.00	88.59	179.19	11,433.46	-4,883.54	-412.76	4,894.07	1.18	0.37	1.12
16,197.57	88.60	179.23	11,433.79	-4,897.10	-412.58	4,907.63	0.30	0.07	0.29
16,211.14	88.58	179.12	11,434.13	-4,910.67	-412.38	4,921.18	0.82	-0.15	-0.81
16,224.71	88.55	179.07	11,434.47	-4,924.23	-412.17	4,934.73	0.43	-0.22	-0.37
16,238.29	88.52	179.02	11,434.81	-4,937.80	-411.94	4,948.29	0.43	-0.22	-0.37
16,251.86	88.49	179.03	11,435.17	-4,951.37	-411.71	4,961.84	0.23	-0.22	0.07
16,265.43	88.48	179.24	11,435.53	-4,964.93	-411.50	4,975.39	1.55	-0.07	1.55
16,279.00	88.43	179.31	11,435.89	-4,978.49	-411.33	4,988.94	0.63	-0.37	0.52
16,292.57	88.39	179.33	11,436.27	-4,992.06	-411.17	5,002.49	0.33	-0.29	0.15
16,306.14	88.38	179.29	11,436.65	-5,005.62	-411.01	5,016.05	0.30	-0.07	-0.29
16,319.71	88.38	179.44	11,437.04	-5,019.19	-410.86	5,029.60	1.10	0.00	1.11
16,333.29	88.39	179.60	11,437.42	-5,032.76	-410.74	5,043.16	1.18	0.07	1.18
16,346.86	88.38	179.71	11,437.80	-5,046.32	-410.66	5,056.72	0.81	-0.07	0.81
16,360.43	88.36	179.77	11,438.19	-5,059.89	-410.60	5,070.27	0.47	-0.15	0.44
16,374.00	88.36	179.81	11,438.57	-5,073.45	-410.55	5,083.83	0.29	0.00	0.29
16,387.57	88.35	179.82	11,438.96	-5,087.02	-410.51	5,097.38	0.10	-0.07	0.07
16,401.14	88.34	179.82	11,439.36	-5,100.58	-410.47	5,110.94	0.07	-0.07	0.00
16,406.78	88.34	179.82	11,439.52	-5,106.22	-410.45	5,116.58	0.10	0.07	0.07
SL: 16406.78' MD									
16,414.71	88.35	179.83	11,439.75	-5,114.15	-410.42	5,124.50	0.10	0.07	0.07
16,428.29	88.36	179.83	11,440.14	-5,127.72	-410.38	5,138.06	0.07	0.07	0.00
16,441.86	88.39	179.76	11,440.52	-5,141.28	-410.34	5,151.62	0.56	0.22	-0.52
16,455.43	88.44	179.59	11,440.90	-5,154.85	-410.26	5,165.18	1.31	0.37	-1.25
16,469.00	88.52	179.55	11,441.26	-5,168.41	-410.16	5,178.73	0.66	0.59	-0.29
16,482.57	88.64	179.62	11,441.59	-5,181.98	-410.06	5,192.29	1.02	0.88	0.52
16,496.14	88.79	179.77	11,441.90	-5,195.55	-409.99	5,205.84	1.56	1.11	1.11
16,509.71	88.95	179.82	11,442.17	-5,209.11	-409.94	5,219.40	1.24	1.18	0.37
16,523.29	89.12	179.89	11,442.40	-5,222.69	-409.90	5,232.97	1.35	1.25	0.52
16,536.86	89.28	179.94	11,442.58	-5,236.26	-409.88	5,246.53	1.24	1.18	0.37
16,550.43	89.41	179.91	11,442.74	-5,249.83	-409.87	5,260.10	0.98	0.96	-0.22



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
16,564.00	89.51	179.84	11,442.87	-5,263.40	-409.84	5,273.66	0.90	0.74	-0.52
16,577.43	89.65	179.71	11,442.97	-5,276.83	-409.78	5,287.08	1.42	1.04	-0.97
16,590.86	89.72	179.59	11,443.04	-5,290.26	-409.70	5,300.50	1.03	0.52	-0.89
16,604.29	89.69	179.54	11,443.11	-5,303.69	-409.60	5,313.92	0.43	-0.22	-0.37
16,617.71	89.65	179.47	11,443.19	-5,317.11	-409.48	5,327.33	0.60	-0.30	-0.52
16,631.14	89.60	179.34	11,443.27	-5,330.54	-409.34	5,340.75	1.04	-0.37	-0.97
16,644.57	89.57	179.18	11,443.37	-5,343.96	-409.17	5,354.16	1.21	-0.22	-1.19
16,658.00	89.54	179.04	11,443.48	-5,357.39	-408.96	5,367.58	1.07	-0.22	-1.04
16,671.57	89.53	178.97	11,443.59	-5,370.96	-408.73	5,381.13	0.52	-0.07	-0.52
16,685.14	89.54	178.97	11,443.70	-5,384.53	-408.48	5,394.68	0.07	0.07	0.00
16,698.71	89.56	178.87	11,443.80	-5,398.09	-408.23	5,408.24	0.75	0.15	-0.74
16,712.29	89.59	178.78	11,443.90	-5,411.67	-407.95	5,421.80	0.70	0.22	-0.66
16,725.86	89.61	178.70	11,444.00	-5,425.24	-407.65	5,435.35	0.61	0.15	-0.59
16,739.43	89.63	178.65	11,444.09	-5,438.80	-407.34	5,448.90	0.40	0.15	-0.37
16,753.00	89.64	178.61	11,444.17	-5,452.37	-407.01	5,462.45	0.30	0.07	-0.29
16,766.57	89.66	178.69	11,444.26	-5,465.93	-406.69	5,476.00	0.61	0.15	0.59
16,780.14	89.66	178.79	11,444.34	-5,479.50	-406.39	5,489.55	0.74	0.00	0.74
16,793.71	89.64	178.81	11,444.42	-5,493.07	-406.11	5,503.10	0.21	-0.15	0.15
16,807.29	89.61	178.82	11,444.51	-5,506.64	-405.83	5,516.66	0.23	-0.22	0.07
16,820.86	89.58	178.87	11,444.61	-5,520.21	-405.55	5,530.21	0.43	-0.22	0.37
16,834.43	89.54	178.96	11,444.71	-5,533.78	-405.30	5,543.76	0.73	-0.29	0.66
16,848.00	89.52	179.03	11,444.82	-5,547.35	-405.06	5,557.32	0.54	-0.15	0.52
16,861.57	89.50	179.10	11,444.94	-5,560.91	-404.84	5,570.87	0.54	-0.15	0.52
16,875.14	89.48	179.21	11,445.06	-5,574.48	-404.64	5,584.43	0.82	-0.15	0.81
16,888.71	89.47	179.24	11,445.18	-5,588.05	-404.45	5,597.98	0.23	-0.07	0.22
16,902.29	89.46	179.25	11,445.31	-5,601.63	-404.28	5,611.55	0.10	-0.07	0.07
16,915.86	89.47	179.28	11,445.44	-5,615.20	-404.10	5,625.10	0.23	0.07	0.22
16,929.43	89.49	179.33	11,445.56	-5,628.77	-403.94	5,638.66	0.40	0.15	0.37
16,943.00	89.48	179.37	11,445.68	-5,642.33	-403.78	5,652.22	0.30	-0.07	0.29
16,956.57	89.48	179.42	11,445.80	-5,655.90	-403.64	5,665.78	0.37	0.00	0.37
16,970.14	89.46	179.39	11,445.93	-5,669.47	-403.50	5,679.33	0.27	-0.15	-0.22
16,983.71	89.46	179.37	11,446.06	-5,683.04	-403.35	5,692.89	0.15	0.00	-0.15
16,997.29	89.47	179.35	11,446.18	-5,696.62	-403.20	5,706.46	0.16	0.07	-0.15
17,010.86	89.47	179.35	11,446.31	-5,710.19	-403.05	5,720.01	0.00	0.00	0.00
17,024.43	89.49	179.43	11,446.43	-5,723.76	-402.90	5,733.57	0.61	0.15	0.59
17,038.00	89.51	179.50	11,446.55	-5,737.32	-402.78	5,747.13	0.54	0.15	0.52
17,051.57	89.51	179.53	11,446.67	-5,750.89	-402.66	5,760.69	0.22	0.00	0.22
17,065.14	89.50	179.60	11,446.78	-5,764.46	-402.56	5,774.25	0.52	-0.07	0.52
17,078.71	89.50	179.69	11,446.90	-5,778.03	-402.47	5,787.81	0.66	0.00	0.66
17,092.29	89.49	179.76	11,447.02	-5,791.61	-402.41	5,801.38	0.52	-0.07	0.52
17,105.86	89.49	179.82	11,447.14	-5,805.18	-402.36	5,814.94	0.44	0.00	0.44
17,119.43	89.47	179.89	11,447.27	-5,818.75	-402.32	5,828.50	0.54	-0.15	0.52
17,133.00	89.47	179.89	11,447.39	-5,832.32	-402.30	5,842.06	0.00	0.00	0.00



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
17,146.57	89.48	179.83	11,447.52	-5,845.89	-402.26	5,855.62	0.45	0.07	-0.44
17,160.14	89.49	179.69	11,447.64	-5,859.46	-402.21	5,869.19	1.03	0.07	-1.03
17,173.71	89.49	179.56	11,447.76	-5,873.03	-402.12	5,882.75	0.96	0.00	-0.96
17,187.29	89.49	179.42	11,447.88	-5,886.61	-402.00	5,896.31	1.03	0.00	-1.03
17,200.86	89.47	179.27	11,448.00	-5,900.17	-401.84	5,909.87	1.12	-0.15	-1.11
17,214.43	89.43	179.13	11,448.13	-5,913.74	-401.65	5,923.43	1.07	-0.29	-1.03
17,228.00	89.36	178.98	11,448.28	-5,927.31	-401.43	5,936.98	1.22	-0.52	-1.11
17,241.57	89.24	178.82	11,448.44	-5,940.88	-401.17	5,950.53	1.47	-0.88	-1.18
17,255.14	89.10	178.72	11,448.64	-5,954.44	-400.88	5,964.08	1.27	-1.03	-0.74
17,268.71	88.95	178.66	11,448.87	-5,968.01	-400.57	5,977.63	1.19	-1.11	-0.44
17,282.29	88.80	178.61	11,449.14	-5,981.58	-400.24	5,991.19	1.16	-1.10	-0.37
17,295.86	88.66	178.57	11,449.44	-5,995.14	-399.91	6,004.73	1.07	-1.03	-0.29
17,309.43	88.57	178.53	11,449.77	-6,008.70	-399.57	6,018.28	0.73	-0.66	-0.29
17,323.00	88.46	178.52	11,450.12	-6,022.27	-399.22	6,031.82	0.81	-0.81	-0.07
17,336.57	88.41	178.55	11,450.49	-6,035.83	-398.87	6,045.36	0.43	-0.37	0.22
17,350.14	88.38	178.54	11,450.87	-6,049.39	-398.53	6,058.91	0.23	-0.22	-0.07
17,363.71	88.35	178.71	11,451.26	-6,062.95	-398.20	6,072.45	1.27	-0.22	1.25
17,377.29	88.32	178.89	11,451.65	-6,076.52	-397.92	6,086.00	1.34	-0.22	1.33
17,390.86	88.30	179.08	11,452.05	-6,090.08	-397.68	6,099.55	1.41	-0.15	1.40
17,404.43	88.36	179.16	11,452.45	-6,103.64	-397.47	6,113.10	0.74	0.44	0.59
17,418.00	88.42	179.20	11,452.83	-6,117.21	-397.27	6,126.65	0.53	0.44	0.29
17,431.43	88.41	179.27	11,453.20	-6,130.63	-397.10	6,140.06	0.53	-0.07	0.52
17,444.86	88.40	179.31	11,453.57	-6,144.05	-396.93	6,153.48	0.31	-0.07	0.30
17,458.29	88.41	179.34	11,453.95	-6,157.48	-396.77	6,166.89	0.24	0.07	0.22
17,471.71	88.41	179.37	11,454.32	-6,170.89	-396.62	6,180.29	0.22	0.00	0.22
17,485.14	88.41	179.39	11,454.69	-6,184.32	-396.47	6,193.70	0.15	0.00	0.15
17,498.57	88.40	179.37	11,455.06	-6,197.74	-396.33	6,207.12	0.17	-0.07	-0.15
17,512.00	88.40	179.35	11,455.44	-6,211.16	-396.18	6,220.53	0.15	0.00	-0.15
17,525.57	88.41	179.36	11,455.82	-6,224.73	-396.03	6,234.08	0.10	0.07	0.07
17,539.14	88.43	179.37	11,456.19	-6,238.29	-395.88	6,247.63	0.16	0.15	0.07
17,552.71	88.45	179.38	11,456.56	-6,251.86	-395.73	6,261.19	0.16	0.15	0.07
17,566.29	88.47	179.39	11,456.93	-6,265.43	-395.58	6,274.75	0.16	0.15	0.07
17,579.86	88.48	179.40	11,457.29	-6,278.99	-395.44	6,288.30	0.10	0.07	0.07
17,593.43	88.49	179.47	11,457.65	-6,292.56	-395.31	6,301.86	0.52	0.07	0.52
17,607.00	88.49	179.52	11,458.00	-6,306.12	-395.19	6,315.41	0.37	0.00	0.37
17,620.57	88.57	179.60	11,458.35	-6,319.69	-395.08	6,328.97	0.83	0.59	0.59
17,634.14	88.61	179.66	11,458.69	-6,333.25	-394.99	6,342.52	0.53	0.29	0.44
17,647.71	88.58	179.75	11,459.02	-6,346.82	-394.92	6,356.08	0.70	-0.22	0.66
17,661.29	88.56	179.82	11,459.36	-6,360.40	-394.87	6,369.65	0.54	-0.15	0.52
17,674.86	88.53	179.89	11,459.70	-6,373.96	-394.84	6,383.20	0.56	-0.22	0.52
17,688.43	88.52	179.94	11,460.05	-6,387.53	-394.82	6,396.76	0.38	-0.07	0.37
17,702.00	88.53	179.93	11,460.40	-6,401.09	-394.80	6,410.32	0.10	0.07	-0.07
17,715.57	88.58	179.86	11,460.74	-6,414.66	-394.78	6,423.88	0.63	0.37	-0.52



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
17,729.14	88.57	179.78	11,461.08	-6,428.22	-394.74	6,437.44	0.59	-0.07	-0.59
17,742.71	88.54	179.71	11,461.42	-6,441.79	-394.68	6,450.99	0.56	-0.22	-0.52
17,756.29	88.51	179.64	11,461.77	-6,455.36	-394.60	6,464.56	0.56	-0.22	-0.52
17,769.86	88.48	179.57	11,462.13	-6,468.93	-394.51	6,478.12	0.56	-0.22	-0.52
17,783.43	88.46	179.38	11,462.49	-6,482.49	-394.38	6,491.67	1.41	-0.15	-1.40
17,797.00	88.47	179.21	11,462.85	-6,496.06	-394.21	6,505.22	1.25	0.07	-1.25
17,810.43	88.47	179.16	11,463.21	-6,509.48	-394.02	6,518.63	0.37	0.00	-0.37
17,823.86	88.48	179.15	11,463.57	-6,522.91	-393.82	6,532.04	0.11	0.07	-0.07
17,837.29	88.51	179.21	11,463.92	-6,536.33	-393.63	6,545.46	0.50	0.22	0.45
17,850.71	88.54	179.29	11,464.27	-6,549.74	-393.46	6,558.86	0.64	0.22	0.60
17,864.14	88.57	179.37	11,464.61	-6,563.17	-393.30	6,572.27	0.64	0.22	0.60
17,877.57	88.57	179.40	11,464.94	-6,576.59	-393.16	6,585.69	0.22	0.00	0.22
17,891.00	88.56	179.44	11,465.28	-6,590.02	-393.02	6,599.10	0.31	-0.07	0.30
17,904.57	88.55	179.36	11,465.62	-6,603.58	-392.88	6,612.65	0.59	-0.07	-0.59
17,918.14	88.55	179.28	11,465.96	-6,617.15	-392.72	6,626.21	0.59	0.00	-0.59
17,931.71	88.55	179.27	11,466.31	-6,630.71	-392.55	6,639.76	0.07	0.00	-0.07
17,945.29	88.56	179.27	11,466.65	-6,644.29	-392.37	6,653.32	0.07	0.07	0.00
17,958.86	88.57	179.27	11,466.99	-6,657.85	-392.20	6,666.87	0.07	0.07	0.00
17,972.43	88.58	179.26	11,467.33	-6,671.42	-392.03	6,680.43	0.10	0.07	-0.07
17,986.00	88.59	179.24	11,467.66	-6,684.98	-391.85	6,693.98	0.16	0.07	-0.15
17,999.57	88.59	179.18	11,468.00	-6,698.55	-391.66	6,707.53	0.44	0.00	-0.44
18,013.14	88.58	179.08	11,468.33	-6,712.11	-391.46	6,721.08	0.74	-0.07	-0.74
18,026.71	88.59	179.06	11,468.67	-6,725.67	-391.23	6,734.63	0.16	0.07	-0.15
18,040.29	88.59	179.03	11,469.00	-6,739.25	-391.01	6,748.19	0.22	0.00	-0.22
18,053.86	88.60	179.01	11,469.33	-6,752.81	-390.78	6,761.74	0.16	0.07	-0.15
18,067.43	88.60	178.98	11,469.66	-6,766.38	-390.54	6,775.29	0.22	0.00	-0.22
18,081.00	88.59	178.87	11,470.00	-6,779.94	-390.28	6,788.84	0.81	-0.07	-0.81
18,094.43	88.58	178.83	11,470.33	-6,793.36	-390.01	6,802.25	0.31	-0.07	-0.30
18,107.86	88.58	178.97	11,470.66	-6,806.79	-389.76	6,815.66	1.04	0.00	1.04
18,121.29	88.58	178.99	11,470.99	-6,820.21	-389.52	6,829.07	0.15	0.00	0.15
18,134.71	88.58	178.99	11,471.33	-6,833.62	-389.28	6,842.47	0.00	0.00	0.00
18,148.14	88.58	178.99	11,471.66	-6,847.05	-389.04	6,855.88	0.00	0.00	0.00
18,161.57	88.57	178.95	11,471.99	-6,860.47	-388.80	6,869.29	0.31	-0.07	-0.30
18,175.00	88.56	178.95	11,472.33	-6,873.90	-388.56	6,882.70	0.07	-0.07	0.00
18,188.57	88.58	179.03	11,472.67	-6,887.46	-388.32	6,896.25	0.61	0.15	0.59
18,202.14	88.57	179.02	11,473.01	-6,901.02	-388.09	6,909.80	0.10	-0.07	-0.07
18,215.71	88.55	178.92	11,473.35	-6,914.59	-387.84	6,923.35	0.75	-0.15	-0.74
18,229.29	88.54	178.81	11,473.69	-6,928.16	-387.57	6,936.90	0.81	-0.07	-0.81
18,242.86	88.52	178.71	11,474.04	-6,941.72	-387.28	6,950.45	0.75	-0.15	-0.74
18,256.43	88.53	178.74	11,474.39	-6,955.28	-386.98	6,964.00	0.23	0.07	0.22
18,270.00	88.55	178.79	11,474.74	-6,968.85	-386.69	6,977.54	0.40	0.15	0.37
18,283.57	88.53	178.75	11,475.08	-6,982.41	-386.40	6,991.09	0.33	-0.15	-0.29
18,297.14	88.54	178.78	11,475.43	-6,995.97	-386.10	7,004.64	0.23	0.07	0.22
18,310.71	88.57	178.84	11,475.77	-7,009.53	-385.82	7,018.18	0.49	0.22	0.44



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
18,324.29	88.59	178.90	11,476.11	-7,023.11	-385.55	7,031.74	0.47	0.15	0.44
18,337.86	88.60	178.92	11,476.44	-7,036.67	-385.30	7,045.29	0.16	0.07	0.15
18,351.43	88.60	178.90	11,476.77	-7,050.23	-385.04	7,058.84	0.15	0.00	-0.15
18,365.00	88.61	178.96	11,477.10	-7,063.80	-384.78	7,072.39	0.45	0.07	0.44
18,378.43	88.61	179.00	11,477.43	-7,077.22	-384.55	7,085.80	0.30	0.00	0.30
18,391.86	88.60	178.98	11,477.75	-7,090.65	-384.31	7,099.21	0.17	-0.07	-0.15
18,405.29	88.58	179.08	11,478.08	-7,104.07	-384.08	7,112.62	0.76	-0.15	0.74
18,418.71	88.56	179.21	11,478.42	-7,117.48	-383.88	7,126.02	0.98	-0.15	0.97
18,432.14	88.54	179.30	11,478.76	-7,130.91	-383.71	7,139.43	0.69	-0.15	0.67
18,445.57	88.52	179.26	11,479.10	-7,144.33	-383.54	7,152.84	0.33	-0.15	-0.30
18,459.00	88.49	179.21	11,479.45	-7,157.76	-383.36	7,166.26	0.43	-0.22	-0.37
18,472.57	88.47	179.17	11,479.81	-7,171.32	-383.17	7,179.81	0.33	-0.15	-0.29
18,486.14	88.48	179.12	11,480.18	-7,184.88	-382.96	7,193.36	0.38	0.07	-0.37
18,499.71	88.53	179.07	11,480.53	-7,198.45	-382.75	7,206.91	0.52	0.37	-0.37
18,513.29	88.58	179.02	11,480.87	-7,212.02	-382.52	7,220.47	0.52	0.37	-0.37
18,526.86	88.62	178.97	11,481.20	-7,225.59	-382.29	7,234.02	0.47	0.29	-0.37
18,540.43	88.58	178.96	11,481.54	-7,239.15	-382.04	7,247.57	0.30	-0.29	-0.07
18,554.00	88.55	178.97	11,481.87	-7,252.71	-381.80	7,261.12	0.23	-0.22	0.07
18,567.57	88.52	179.00	11,482.22	-7,266.28	-381.56	7,274.67	0.31	-0.22	0.22
18,581.14	88.49	179.07	11,482.58	-7,279.84	-381.33	7,288.22	0.56	-0.22	0.52
18,594.71	88.45	179.14	11,482.94	-7,293.40	-381.12	7,301.77	0.59	-0.29	0.52
18,608.29	88.42	179.22	11,483.31	-7,306.98	-380.92	7,315.33	0.63	-0.22	0.59
18,621.86	88.40	179.29	11,483.69	-7,320.54	-380.74	7,328.88	0.54	-0.15	0.52
18,635.43	88.40	179.34	11,484.06	-7,334.10	-380.58	7,342.43	0.37	0.00	0.37
18,649.00	88.43	179.35	11,484.44	-7,347.67	-380.43	7,355.98	0.23	0.22	0.07
18,662.43	88.41	179.28	11,484.81	-7,361.09	-380.27	7,369.39	0.54	-0.15	-0.52
18,675.86	88.43	179.22	11,485.18	-7,374.52	-380.09	7,382.81	0.47	0.15	-0.45
18,689.29	88.43	179.13	11,485.55	-7,387.94	-379.90	7,396.22	0.67	0.00	-0.67
18,702.71	88.44	179.04	11,485.91	-7,401.35	-379.68	7,409.62	0.67	0.07	-0.67
18,716.14	88.45	179.00	11,486.28	-7,414.78	-379.45	7,423.03	0.31	0.07	-0.30
18,729.57	88.47	179.06	11,486.64	-7,428.20	-379.23	7,436.44	0.47	0.15	0.45
18,743.00	88.49	179.09	11,487.00	-7,441.62	-379.01	7,449.85	0.27	0.15	0.22
18,756.57	88.47	178.99	11,487.36	-7,455.19	-378.78	7,463.40	0.75	-0.15	-0.74
18,770.14	88.46	178.95	11,487.72	-7,468.75	-378.54	7,476.94	0.30	-0.07	-0.29
18,783.71	88.47	178.93	11,488.08	-7,482.31	-378.29	7,490.49	0.16	0.07	-0.15
18,797.29	88.47	178.93	11,488.45	-7,495.88	-378.03	7,504.05	0.00	0.00	0.00
18,810.86	88.48	178.93	11,488.81	-7,509.45	-377.78	7,517.60	0.07	0.07	0.00
18,824.43	88.52	179.02	11,489.16	-7,523.01	-377.54	7,531.15	0.73	0.29	0.66
18,838.00	88.54	179.08	11,489.51	-7,536.57	-377.31	7,544.70	0.47	0.15	0.44
18,851.57	88.55	179.09	11,489.86	-7,550.14	-377.10	7,558.25	0.10	0.07	0.07
18,865.14	88.69	179.18	11,490.18	-7,563.70	-376.89	7,571.80	1.23	1.03	0.66
18,878.71	88.69	179.12	11,490.49	-7,577.27	-376.69	7,585.35	0.44	0.00	-0.44
18,892.29	88.67	179.03	11,490.81	-7,590.84	-376.47	7,598.91	0.68	-0.15	-0.66



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
18,905.86	88.68	178.98	11,491.12	-7,604.41	-376.24	7,612.46	0.38	0.07	-0.37
18,919.43	88.68	178.96	11,491.43	-7,617.97	-375.99	7,626.01	0.15	0.00	-0.15
18,933.00	88.72	178.91	11,491.74	-7,631.53	-375.74	7,639.56	0.47	0.29	-0.37
18,946.57	88.72	178.84	11,492.04	-7,645.10	-375.47	7,653.11	0.52	0.00	-0.52
18,960.14	88.68	178.75	11,492.35	-7,658.66	-375.19	7,666.66	0.73	-0.29	-0.66
18,973.71	88.63	178.71	11,492.67	-7,672.23	-374.89	7,680.21	0.47	-0.37	-0.29
18,987.29	88.57	178.67	11,493.00	-7,685.80	-374.58	7,693.76	0.53	-0.44	-0.29
19,000.86	88.51	178.65	11,493.35	-7,699.36	-374.26	7,707.31	0.47	-0.44	-0.15
19,014.43	88.48	178.65	11,493.70	-7,712.92	-373.94	7,720.85	0.22	-0.22	0.00
19,028.00	88.44	178.69	11,494.07	-7,726.48	-373.63	7,734.40	0.42	-0.29	0.29
19,041.43	88.40	178.74	11,494.44	-7,739.90	-373.32	7,747.80	0.48	-0.30	0.37
19,054.86	88.33	178.82	11,494.82	-7,753.33	-373.04	7,761.21	0.79	-0.52	0.60
19,068.29	88.14	178.86	11,495.23	-7,766.75	-372.77	7,774.61	1.45	-1.41	0.30
19,081.71	87.95	178.92	11,495.69	-7,780.16	-372.51	7,788.01	1.48	-1.42	0.45
19,095.14	87.79	179.00	11,496.19	-7,793.57	-372.26	7,801.41	1.33	-1.19	0.60
19,108.57	87.75	179.16	11,496.71	-7,806.99	-372.05	7,814.82	1.23	-0.30	1.19
19,122.00	87.71	179.30	11,497.25	-7,820.41	-371.87	7,828.22	1.08	-0.30	1.04
19,136.62	87.69	179.47	11,497.83	-7,835.02	-371.71	7,842.82	1.17	-0.14	1.16
19,151.23	87.65	179.44	11,498.43	-7,849.62	-371.57	7,857.41	0.34	-0.27	-0.21
19,165.85	87.67	179.44	11,499.02	-7,864.22	-371.43	7,872.00	0.14	0.14	0.00
19,180.46	87.70	179.43	11,499.61	-7,878.82	-371.29	7,886.59	0.22	0.21	-0.07
19,195.08	87.70	179.36	11,500.20	-7,893.43	-371.13	7,901.18	0.48	0.00	-0.48
19,209.69	87.67	179.22	11,500.79	-7,908.02	-370.95	7,915.77	0.98	-0.21	-0.96
19,224.31	87.64	179.08	11,501.39	-7,922.63	-370.73	7,930.36	0.98	-0.21	-0.96
19,238.92	87.61	178.98	11,501.99	-7,937.23	-370.49	7,944.94	0.71	-0.21	-0.68
19,253.54	87.59	178.95	11,502.61	-7,951.83	-370.22	7,959.53	0.25	-0.14	-0.21
19,268.15	87.57	178.93	11,503.22	-7,966.43	-369.95	7,974.11	0.19	-0.14	-0.14
19,282.77	87.55	178.92	11,503.85	-7,981.03	-369.68	7,988.70	0.15	-0.14	-0.07
19,297.38	87.53	178.89	11,504.47	-7,995.62	-369.40	8,003.27	0.25	-0.14	-0.21
19,312.00	87.50	178.86	11,505.11	-8,010.23	-369.11	8,017.86	0.29	-0.21	-0.21
19,325.57	87.45	178.86	11,505.70	-8,023.78	-368.84	8,031.40	0.37	-0.37	0.00
19,339.14	87.39	178.89	11,506.32	-8,037.33	-368.58	8,044.94	0.49	-0.44	0.22
19,352.71	87.32	178.94	11,506.94	-8,050.89	-368.32	8,058.48	0.63	-0.52	0.37
19,366.29	87.25	179.00	11,507.59	-8,064.45	-368.08	8,072.02	0.68	-0.52	0.44
19,379.86	87.18	179.06	11,508.24	-8,078.00	-367.85	8,085.56	0.68	-0.52	0.44
19,393.43	87.15	179.11	11,508.92	-8,091.55	-367.63	8,099.10	0.43	-0.22	0.37
19,407.00	87.13	179.15	11,509.59	-8,105.11	-367.42	8,112.64	0.33	-0.15	0.29
19,420.57	87.08	179.14	11,510.28	-8,118.66	-367.22	8,126.18	0.38	-0.37	-0.07
19,434.14	87.04	179.12	11,510.97	-8,132.21	-367.02	8,139.72	0.33	-0.29	-0.15
19,447.71	87.05	179.11	11,511.67	-8,145.76	-366.81	8,153.25	0.10	0.07	-0.07
19,461.29	87.05	179.10	11,512.37	-8,159.32	-366.60	8,166.80	0.07	0.00	-0.07
19,474.86	87.06	179.09	11,513.07	-8,172.87	-366.38	8,180.34	0.10	0.07	-0.07
19,488.43	87.04	179.05	11,513.77	-8,186.42	-366.16	8,193.87	0.33	-0.15	-0.29



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
19,502.00	87.03	179.02	11,514.47	-8,199.97	-365.93	8,207.41	0.23	-0.07	-0.22
19,515.43	87.03	179.02	11,515.17	-8,213.38	-365.70	8,220.81	0.00	0.00	0.00
19,528.86	87.03	179.03	11,515.86	-8,226.79	-365.48	8,234.20	0.07	0.00	0.07
19,542.29	87.02	179.04	11,516.56	-8,240.20	-365.25	8,247.60	0.11	-0.07	0.07
19,555.71	87.01	179.05	11,517.26	-8,253.60	-365.03	8,260.98	0.11	-0.07	0.07
19,569.14	87.00	179.06	11,517.96	-8,267.01	-364.81	8,274.38	0.11	-0.07	0.07
19,582.57	86.99	179.02	11,518.66	-8,280.42	-364.58	8,287.78	0.31	-0.07	-0.30
19,596.00	86.98	178.98	11,519.37	-8,293.83	-364.35	8,301.17	0.31	-0.07	-0.30
19,610.62	86.98	178.89	11,520.14	-8,308.42	-364.08	8,315.75	0.61	0.00	-0.62
19,625.23	87.02	178.86	11,520.90	-8,323.01	-363.79	8,330.32	0.34	0.27	-0.21
19,639.85	87.01	178.80	11,521.67	-8,337.61	-363.49	8,344.91	0.42	-0.07	-0.41
19,654.46	87.00	178.73	11,522.43	-8,352.20	-363.18	8,359.47	0.48	-0.07	-0.48
19,669.08	86.99	178.67	11,523.20	-8,366.79	-362.84	8,374.05	0.42	-0.07	-0.41
19,683.69	86.97	178.58	11,523.97	-8,381.38	-362.49	8,388.62	0.63	-0.14	-0.62
19,698.31	86.98	178.58	11,524.74	-8,395.97	-362.13	8,403.20	0.07	0.07	0.00
19,712.92	87.00	178.60	11,525.50	-8,410.56	-361.77	8,417.76	0.19	0.14	0.14
19,727.54	87.01	178.62	11,526.27	-8,425.15	-361.42	8,432.34	0.15	0.07	0.14
19,742.15	87.02	178.65	11,527.03	-8,439.74	-361.07	8,446.91	0.22	0.07	0.21
19,756.77	87.03	178.68	11,527.79	-8,454.34	-360.73	8,461.49	0.22	0.07	0.21
19,771.38	87.03	178.75	11,528.54	-8,468.92	-360.41	8,476.06	0.48	0.00	0.48
19,786.00	87.05	178.80	11,529.30	-8,483.52	-360.09	8,490.64	0.37	0.14	0.34
19,799.57	87.06	178.87	11,530.00	-8,497.07	-359.82	8,504.17	0.52	0.07	0.52
19,813.14	87.13	178.90	11,530.68	-8,510.62	-359.55	8,517.71	0.56	0.52	0.22
19,826.71	87.13	178.98	11,531.36	-8,524.17	-359.30	8,531.24	0.59	0.00	0.59
19,840.29	87.11	179.06	11,532.05	-8,537.73	-359.07	8,544.79	0.61	-0.15	0.59
19,853.86	87.11	179.14	11,532.73	-8,551.28	-358.86	8,558.33	0.59	0.00	0.59
19,867.43	87.11	179.22	11,533.41	-8,564.83	-358.66	8,571.87	0.59	0.00	0.59
19,881.00	87.12	179.28	11,534.10	-8,578.38	-358.49	8,585.41	0.45	0.07	0.44
19,894.43	87.13	179.31	11,534.77	-8,591.80	-358.32	8,598.81	0.24	0.07	0.22
19,907.86	87.09	179.24	11,535.45	-8,605.21	-358.15	8,612.21	0.60	-0.30	-0.52
19,921.29	87.05	179.16	11,536.13	-8,618.62	-357.96	8,625.60	0.67	-0.30	-0.60
19,934.71	87.01	179.08	11,536.83	-8,632.02	-357.76	8,638.99	0.67	-0.30	-0.60
19,948.14	86.96	178.99	11,537.54	-8,645.43	-357.53	8,652.39	0.77	-0.37	-0.67
19,961.57	86.91	178.91	11,538.25	-8,658.84	-357.29	8,665.78	0.70	-0.37	-0.60
19,975.00	86.87	178.85	11,538.98	-8,672.25	-357.03	8,679.17	0.54	-0.30	-0.45
19,988.57	86.85	178.88	11,539.73	-8,685.79	-356.76	8,692.71	0.27	-0.15	0.22
20,002.14	86.85	179.02	11,540.47	-8,699.34	-356.51	8,706.24	1.03	0.00	1.03
20,015.71	86.92	179.17	11,541.21	-8,712.89	-356.29	8,719.77	1.22	0.52	1.11
20,029.29	86.99	179.31	11,541.93	-8,726.45	-356.11	8,733.32	1.15	0.52	1.03
20,042.86	87.06	179.42	11,542.64	-8,740.00	-355.96	8,746.86	0.96	0.52	0.81
20,056.43	87.15	179.43	11,543.32	-8,753.55	-355.83	8,760.40	0.67	0.66	0.07
20,070.00	87.13	179.40	11,544.00	-8,767.10	-355.69	8,773.94	0.27	-0.15	-0.22
20,083.57	87.11	179.33	11,544.68	-8,780.65	-355.54	8,787.48	0.54	-0.15	-0.52
20,097.14	87.06	179.23	11,545.37	-8,794.21	-355.37	8,801.02	0.82	-0.37	-0.74



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
20,110.71	87.07	179.19	11,546.06	-8,807.76	-355.18	8,814.56	0.30	0.07	-0.29
20,124.29	87.09	179.15	11,546.76	-8,821.32	-354.99	8,828.11	0.33	0.15	-0.29
20,137.86	87.10	179.10	11,547.44	-8,834.87	-354.78	8,841.65	0.38	0.07	-0.37
20,151.43	87.10	179.00	11,548.13	-8,848.42	-354.55	8,855.19	0.74	0.00	-0.74
20,165.00	87.09	179.01	11,548.82	-8,861.97	-354.32	8,868.72	0.10	-0.07	0.07
20,178.57	87.13	179.01	11,549.50	-8,875.52	-354.08	8,882.26	0.29	0.29	0.00
20,192.14	87.08	178.88	11,550.19	-8,889.07	-353.84	8,895.79	1.03	-0.37	-0.96
20,205.71	86.93	178.79	11,550.90	-8,902.62	-353.56	8,909.33	1.29	-1.11	-0.66
20,219.29	86.78	178.71	11,551.64	-8,916.18	-353.26	8,922.87	1.25	-1.10	-0.59
20,232.86	86.63	178.63	11,552.42	-8,929.72	-352.95	8,936.40	1.25	-1.11	-0.59
20,246.43	86.55	178.69	11,553.23	-8,943.26	-352.63	8,949.92	0.74	-0.59	0.44
20,260.00	86.47	178.79	11,554.05	-8,956.80	-352.34	8,963.45	0.94	-0.59	0.74
20,273.43	86.48	178.81	11,554.88	-8,970.21	-352.05	8,976.83	0.17	0.07	0.15
20,286.86	86.50	178.82	11,555.70	-8,983.61	-351.78	8,990.22	0.17	0.15	0.07
20,300.29	86.52	178.84	11,556.52	-8,997.01	-351.50	9,003.61	0.21	0.15	0.15
20,313.71	86.53	178.86	11,557.33	-9,010.40	-351.23	9,016.98	0.17	0.07	0.15
20,327.14	86.55	178.88	11,558.14	-9,023.81	-350.97	9,030.37	0.21	0.15	0.15
20,340.57	86.55	178.86	11,558.95	-9,037.21	-350.71	9,043.76	0.15	0.00	-0.15
20,354.00	86.53	178.83	11,559.76	-9,050.61	-350.44	9,057.15	0.27	-0.15	-0.22
20,367.57	86.51	178.73	11,560.59	-9,064.15	-350.15	9,070.67	0.75	-0.15	-0.74
20,381.14	86.49	178.66	11,561.42	-9,077.69	-349.84	9,084.20	0.54	-0.15	-0.52
20,394.71	86.47	178.63	11,562.25	-9,091.24	-349.52	9,097.72	0.27	-0.15	-0.22
20,408.29	86.45	178.61	11,563.09	-9,104.79	-349.19	9,111.26	0.21	-0.15	-0.15
20,421.86	86.43	178.56	11,563.93	-9,118.32	-348.86	9,124.78	0.40	-0.15	-0.37
20,435.43	86.41	178.46	11,564.78	-9,131.86	-348.51	9,138.30	0.75	-0.15	-0.74
20,449.00	86.40	178.52	11,565.63	-9,145.40	-348.15	9,151.82	0.45	-0.07	0.44
20,462.57	86.39	178.52	11,566.48	-9,158.94	-347.80	9,165.34	0.07	-0.07	0.00
20,476.14	86.36	178.32	11,567.34	-9,172.48	-347.43	9,178.86	1.49	-0.22	-1.47
20,489.71	86.41	178.32	11,568.19	-9,186.02	-347.03	9,192.38	0.37	0.37	0.00
20,503.29	86.47	178.35	11,569.04	-9,199.56	-346.63	9,205.91	0.49	0.44	0.22
20,516.86	86.52	178.38	11,569.87	-9,213.10	-346.25	9,219.43	0.43	0.37	0.22
20,530.43	86.53	178.46	11,570.69	-9,226.64	-345.87	9,232.95	0.59	0.07	0.59
20,544.00	86.54	178.56	11,571.51	-9,240.18	-345.52	9,246.47	0.74	0.07	0.74
20,557.57	86.55	178.73	11,572.33	-9,253.73	-345.20	9,260.00	1.25	0.07	1.25
20,571.14	86.53	178.70	11,573.15	-9,267.27	-344.90	9,273.52	0.27	-0.15	-0.22
20,584.71	86.51	178.65	11,573.97	-9,280.81	-344.59	9,287.05	0.40	-0.15	-0.37
20,598.29	86.48	178.59	11,574.80	-9,294.36	-344.26	9,300.58	0.49	-0.22	-0.44
20,611.86	86.45	178.55	11,575.64	-9,307.90	-343.92	9,314.11	0.37	-0.22	-0.29
20,625.43	86.44	178.62	11,576.48	-9,321.44	-343.59	9,327.63	0.52	-0.07	0.52
20,639.00	86.44	178.67	11,577.32	-9,334.98	-343.27	9,341.15	0.37	0.00	0.37
20,652.43	86.46	178.71	11,578.15	-9,348.38	-342.96	9,354.54	0.33	0.15	0.30
20,665.86	86.47	178.85	11,578.98	-9,361.78	-342.67	9,367.92	1.04	0.07	1.04
20,679.29	86.50	178.98	11,579.80	-9,375.18	-342.42	9,381.31	0.99	0.22	0.97



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
20,692.71	86.53	179.12	11,580.62	-9,388.58	-342.20	9,394.69	1.07	0.22	1.04
20,706.14	86.56	179.20	11,581.43	-9,401.98	-342.00	9,408.08	0.64	0.22	0.60
20,719.57	86.57	179.17	11,582.23	-9,415.39	-341.81	9,421.47	0.24	0.07	-0.22
20,733.00	86.54	179.13	11,583.04	-9,428.79	-341.61	9,434.86	0.37	-0.22	-0.30
20,746.57	86.52	179.17	11,583.86	-9,442.33	-341.41	9,448.39	0.33	-0.15	0.29
20,760.14	86.53	179.27	11,584.69	-9,455.88	-341.23	9,461.93	0.74	0.07	0.74
20,773.71	86.54	179.19	11,585.51	-9,469.42	-341.04	9,475.46	0.59	0.07	-0.59
20,787.29	86.54	179.11	11,586.32	-9,482.97	-340.84	9,489.00	0.59	0.00	-0.59
20,800.86	86.55	179.05	11,587.14	-9,496.52	-340.63	9,502.53	0.45	0.07	-0.44
20,814.43	86.57	179.07	11,587.96	-9,510.06	-340.40	9,516.06	0.21	0.15	0.15
20,828.00	86.58	179.12	11,588.77	-9,523.61	-340.19	9,529.59	0.38	0.07	0.37
20,841.57	86.61	179.08	11,589.57	-9,537.15	-339.98	9,543.12	0.37	0.22	-0.29
20,855.14	86.64	179.22	11,590.37	-9,550.70	-339.78	9,556.65	1.05	0.22	1.03
20,868.71	86.68	179.34	11,591.16	-9,564.24	-339.61	9,570.19	0.93	0.29	0.88
20,882.29	86.71	179.46	11,591.95	-9,577.80	-339.46	9,583.73	0.91	0.22	0.88
20,895.86	86.72	179.35	11,592.72	-9,591.34	-339.32	9,597.27	0.81	0.07	-0.81
20,909.43	86.71	179.06	11,593.50	-9,604.89	-339.14	9,610.80	2.13	-0.07	-2.14
20,923.00	86.63	179.01	11,594.29	-9,618.44	-338.91	9,624.33	0.69	-0.59	-0.37
20,936.43	86.53	178.98	11,595.09	-9,631.84	-338.67	9,637.72	0.78	-0.74	-0.22
20,949.86	86.47	178.88	11,595.91	-9,645.24	-338.42	9,651.11	0.87	-0.45	-0.74
20,963.29	86.51	178.90	11,596.73	-9,658.65	-338.16	9,664.50	0.33	0.30	0.15
20,976.71	86.57	178.95	11,597.54	-9,672.04	-337.91	9,677.88	0.58	0.45	0.37
20,990.14	86.63	179.00	11,598.34	-9,685.44	-337.67	9,691.27	0.58	0.45	0.37
21,003.57	86.66	179.02	11,599.13	-9,698.85	-337.44	9,704.66	0.27	0.22	0.15
21,017.00	86.63	179.04	11,599.91	-9,712.25	-337.21	9,718.05	0.27	-0.22	0.15
21,030.57	86.54	179.09	11,600.72	-9,725.80	-336.99	9,731.58	0.76	-0.66	0.37
21,044.14	86.47	179.31	11,601.55	-9,739.34	-336.80	9,745.11	1.70	-0.52	1.62
21,057.71	86.50	179.41	11,602.38	-9,752.88	-336.65	9,758.64	0.77	0.22	0.74
21,071.29	86.54	179.49	11,603.20	-9,766.44	-336.52	9,772.19	0.66	0.29	0.59
21,084.86	86.57	179.57	11,604.02	-9,779.98	-336.41	9,785.72	0.63	0.22	0.59
21,098.43	86.54	179.66	11,604.83	-9,793.53	-336.32	9,799.26	0.70	-0.22	0.66
21,112.00	86.52	179.67	11,605.66	-9,807.07	-336.24	9,812.79	0.16	-0.15	0.07
21,126.54	86.52	179.56	11,606.54	-9,821.59	-336.14	9,827.30	0.76	0.00	-0.76
21,141.08	86.59	179.69	11,607.41	-9,836.10	-336.05	9,841.80	1.01	0.48	0.89
21,155.62	86.67	179.78	11,608.27	-9,850.61	-335.98	9,856.31	0.83	0.55	0.62
21,170.15	86.76	179.85	11,609.10	-9,865.12	-335.93	9,870.80	0.78	0.62	0.48
21,184.69	86.78	179.76	11,609.92	-9,879.64	-335.88	9,885.31	0.63	0.14	-0.62
21,199.23	86.64	179.54	11,610.75	-9,894.15	-335.79	9,899.82	1.79	-0.96	-1.51
21,213.77	86.65	179.36	11,611.60	-9,908.67	-335.66	9,914.32	1.24	0.07	-1.24
21,228.31	86.73	179.21	11,612.44	-9,923.18	-335.47	9,928.82	1.17	0.55	-1.03
21,242.85	86.74	179.06	11,613.27	-9,937.70	-335.26	9,943.32	1.03	0.07	-1.03
21,257.38	86.70	178.82	11,614.10	-9,952.20	-334.99	9,957.81	1.67	-0.28	-1.65
21,271.92	86.64	178.61	11,614.95	-9,966.71	-334.66	9,972.30	1.50	-0.41	-1.44



Phoenix Survey Report



Company:	OXY USA INC.	Local Co-ordinate Reference:	Well Saker 6_7 Fed Com 4H
Project:	Lea County, NM (NAD83-NME)	TVD Reference:	RKB @ 3475.10usft (H&P 479)
Site:	Saker 6_7	MD Reference:	RKB @ 3475.10usft (H&P 479)
Well:	Saker 6_7 Fed Com 4H	North Reference:	Grid
Wellbore:	OH / 74968	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 479)	Database:	USAEDMDB

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)
21,286.46	86.57	178.46	11,615.81	-9,981.22	-334.29	9,986.80	1.14	-0.48	-1.03
21,301.00	86.58	178.31	11,616.68	-9,995.73	-333.88	10,001.28	1.03	0.07	-1.03
21,314.57	86.59	178.22	11,617.48	-10,009.27	-333.47	10,014.80	0.67	0.07	-0.66
21,328.14	86.59	178.40	11,618.29	-10,022.81	-333.07	10,028.33	1.32	0.00	1.33
21,341.71	86.57	178.61	11,619.10	-10,036.35	-332.72	10,041.85	1.55	-0.15	1.55
21,355.29	86.55	178.84	11,619.92	-10,049.90	-332.42	10,055.38	1.70	-0.15	1.69
21,368.86	86.52	179.05	11,620.74	-10,063.45	-332.17	10,068.91	1.56	-0.22	1.55
21,382.43	86.50	179.32	11,621.56	-10,076.99	-331.97	10,082.44	1.99	-0.15	1.99
21,396.00	86.43	179.43	11,622.40	-10,090.53	-331.83	10,095.98	0.96	-0.52	0.81
21,409.44	86.27	179.28	11,623.25	-10,103.94	-331.68	10,109.38	1.63	-1.19	-1.12
21,422.89	86.28	179.36	11,624.13	-10,117.37	-331.52	10,122.79	0.60	0.07	0.59
21,436.33	86.34	179.53	11,624.99	-10,130.78	-331.39	10,136.19	1.34	0.45	1.26
21,449.78	86.41	179.67	11,625.84	-10,144.20	-331.29	10,149.60	1.16	0.52	1.04
21,463.22	86.50	179.76	11,626.68	-10,157.61	-331.23	10,163.01	0.95	0.67	0.67
21,476.67	86.52	179.61	11,627.49	-10,171.04	-331.15	10,176.42	1.12	0.15	-1.12
21,490.11	86.53	179.44	11,628.31	-10,184.45	-331.04	10,189.83	1.26	0.07	-1.26
21,503.56	86.54	179.24	11,629.12	-10,197.88	-330.89	10,203.24	1.49	0.07	-1.49
21,517.00	86.46	178.84	11,629.94	-10,211.29	-330.66	10,216.64	3.03	-0.60	-2.98
Final Phoenix MWD Survey									
21,593.05	86.46	178.84	11,634.64	-10,287.18	-329.13	10,292.44	0.00	0.00	0.00
LTP: 21593.05' MD									
21,639.00	86.46	178.84	11,637.47	-10,333.03	-328.20	10,338.24	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
169.00	169.00	0.09	0.58	First Phoenix MWD Survey
11,069.77	11,023.06	74.74	-554.70	FTP: 11069.77' MD, 32.06° Inc
16,406.78	11,439.52	-5,106.22	-410.45	SL: 16406.78' MD
21,517.00	11,629.94	-10,211.29	-330.66	Final Phoenix MWD Survey
21,593.05	11,634.64	-10,287.18	-329.13	LTP: 21593.05' MD
21,639.00	11,637.47	-10,333.03	-328.20	Projection to TD

C-105 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☐ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: OXY USA INC	OGRID: 16696
Property Name and Well Number: SAKER 6-7 FEDERAL COM 4H	Property Code: 330848
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal	API Number: 30-0 25-50472
Pool Name: Antelope Ridge; Bone Spring	Pool Code: 2200

Section 2 – Well Location

	UI or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	1	6	24S	35E		180	N	730	E	LEA
BHL	P	7	24S	35E		54	S	1173	E	LEA

Section 3 – Completion Information

Date T.D. Reached 07/20/24	Total Measured Depth of Well 21639'MD	Acid Volume (bbls)	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 07/22/24	Plug-Back Measured Depth 21592'MD	Completion Fluid Used (bbls) 552430 BBL	Were Logs Ran (Y/N) Y
Completion Date 11/21/24	Perforations (MD and TVD) 11680-21510' MD/11376-11630' TVD	Completion Proppant Used (lbs) 24642649#	List Type of Logs Ran if applicable: CBL, Gamma Ray

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 361212	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 367050	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID: NA	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 373249	Cement Squeeze Action ID (if applicable):
Tubing Action ID:	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID:	Casing was installed prior to Action ID system (Y/N): N

Section 5 – Test Data

Date First Production 12/08/24	Production Method flowing	Well Status producing	Gas – Oil Ratio 992
Date of Test 12/16/24	Choke Size	Flowing Tubing Pressure	Casing Pressure 466
24 hr Oil (bbls) 1564	24 hr Gas (MCF) 1551	24 hr Water (bbls) 6084	Oil Gravity - API
Disposition of Gas: sold			

Section 6 – Pits

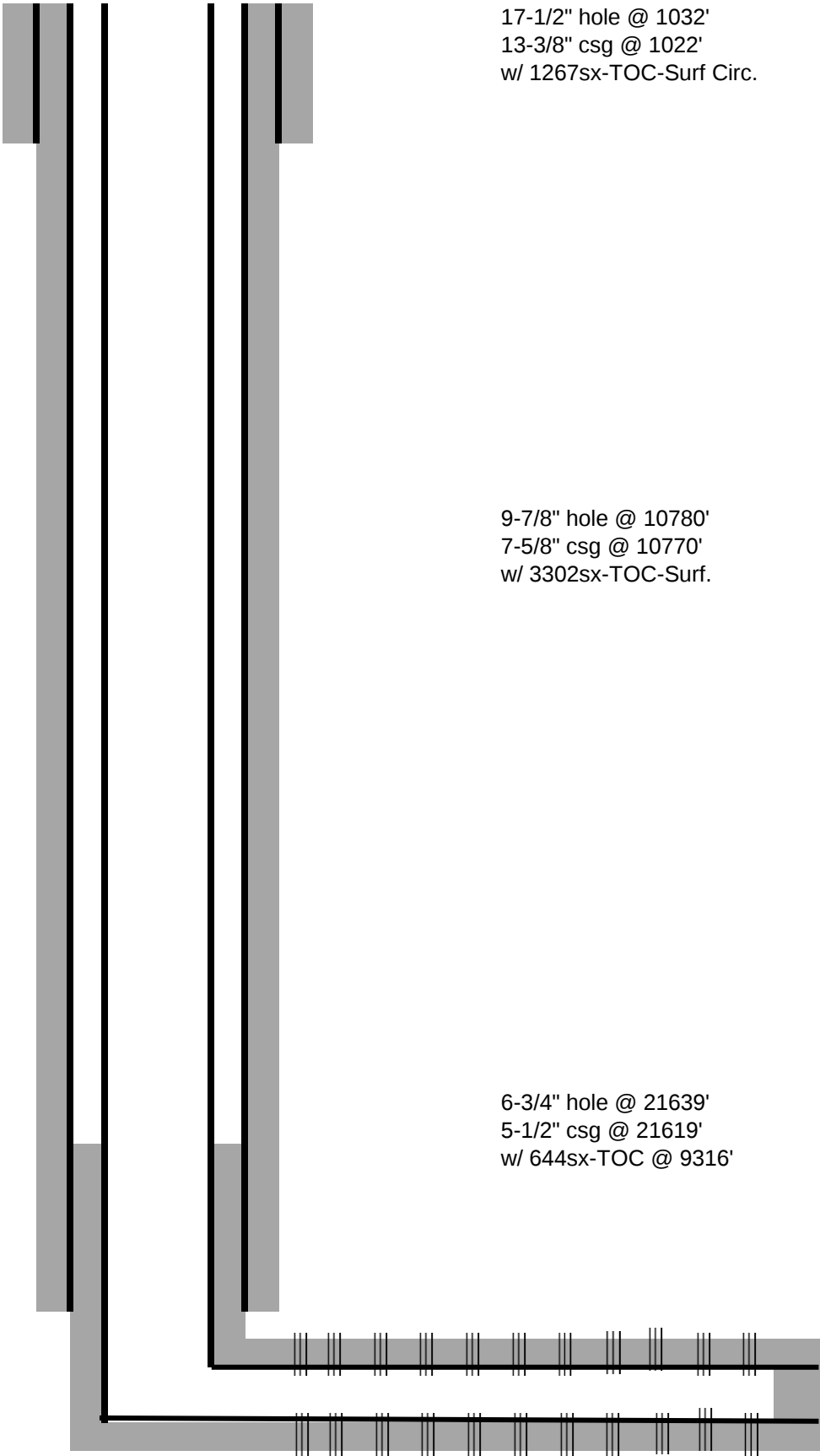
☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial: LAT: _____ LONG: _____

Section 7 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well’s completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well’s completion.	
☒ 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.	
Name Jana Mendiola	<i>Jana Mendiola</i>
Title Regulatory Advisor	Date 12/19/24

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy	1093	1093	W	T. San Jose			
T. Salt	1389	1389		T. Nacimiento			
B. Salt	3407	3406		T. Ojo Alamo			
T. Yates				T. Kirtland			
T. 7 Rivers				T. Fruitland			
T. Queen				T. Pictured Cliffs			
T. Grayburg				T. Lewis Shale			
T. San Andres				T. Chacra			
T. Glorieta				T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				T. Point Lookout			
T. Blinebry				T. Mancos			
T.Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime	5304	5264	o/g				
T. Bell Canyon	5386	5342	o/g				
T. Cherry Canyon	6223	6213	o/g				
T. Brushy Canyon	7536	7515	o/g				
T. Bone Springs	8848	8822	o/g				
T. 1st BS Sand	9950	9921	o/g				
T. 2nd BS Carbonate							
T. 2nd BS Sand	10382	10353	o/g				
T. 3rd BS Carbonate							
T. 3rd BS Sand	11600	11355	o/g				

OXY USA Inc.
Saker 6-7 Federal Com 4H
API No. 30-025-50472



Perfs @ 11680-21510'

TD- 21639'M 11637'V

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 414058

ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414058
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

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.
☒	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.

Sante Fe Main Office
Phone: (505) 476-3441

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

CONDITIONS

Action 414058

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414058
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days of BLM approval.	7/31/2025