

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

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

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

EMNRD-OCD ARTESIA Form C-102
REC'D: 4/13/2020 Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

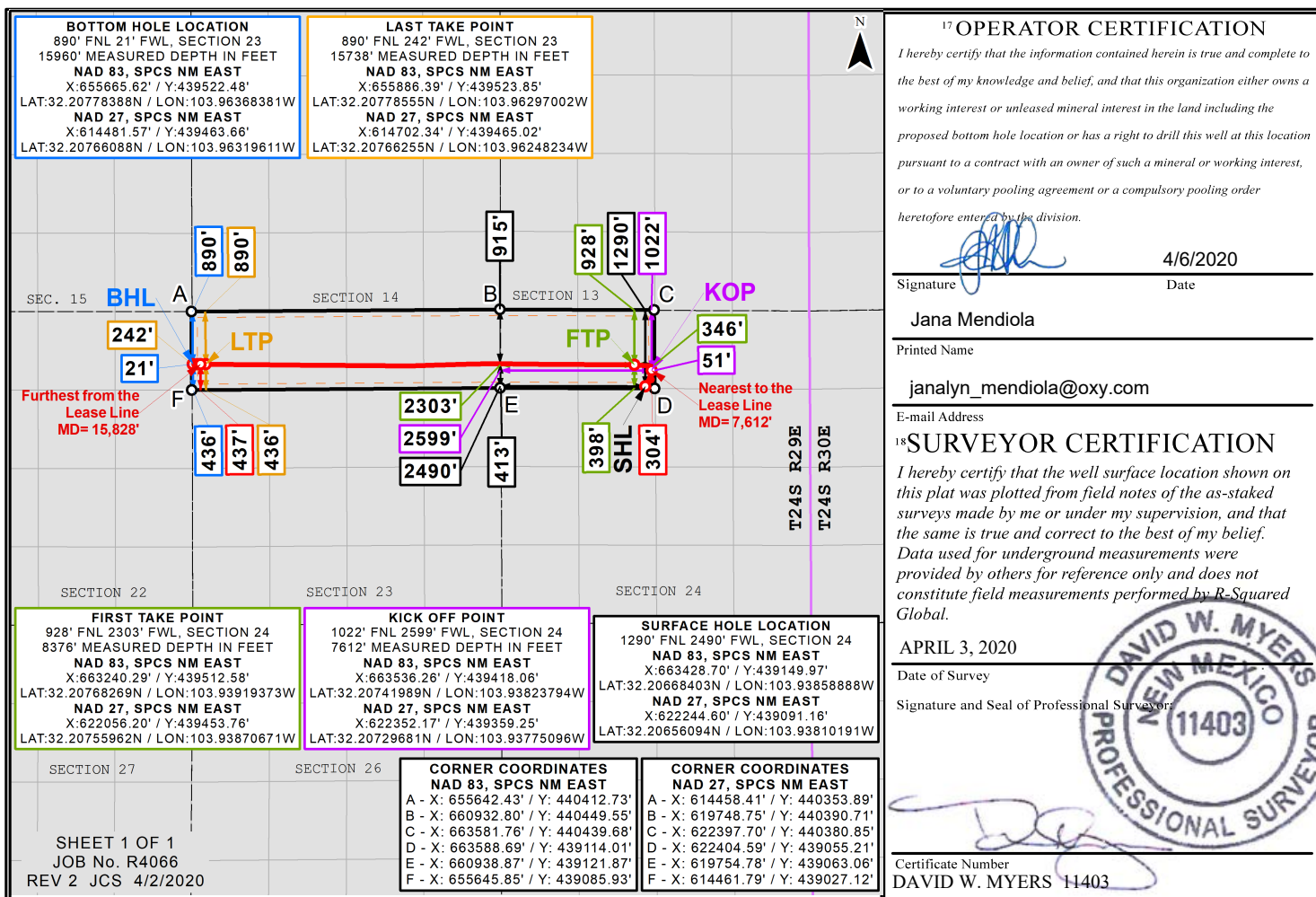
WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-45870	² Pool Code 96473	³ Pool Name Pierce Crossing; Bone Spring, East
⁴ Property Code 325381	Property Name Guacamole CC 24-23 Fed	⁶ Well Number 11H
⁷ OGRID No. 16696	⁸ Operator Name OXY USA INC	⁹ Elevation 3281'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	24S	29E		1290	NORTH	2490	WEST	EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	24S	29E		890	NORTH	21	WEST	EDDY
¹² Dedicated Acres 240.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



Distances/areas relative to NAD 83 Combined Scale Factor: 0.99978625 Convergence Angle: 00°11'26.29720"

Horizontal Spacing Unit

RWP 6/24/2020

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

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

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

Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



November 27, 2019

Oxy USA Incorporated
5 Greenway Plaza, Suite 110
Houston, TX 77046

Re:

S24, T24S, R29E Eddy, NM
N 32.2606684 W -103.9385889

CLIENT: Oxy USA Incorporated
WELL: Guacamole CC 24-23 Federal 11H
FIELD: Pierce Crossing Bone Spring

RIG: H&P 617
COUNTY: Eddy
API NO: 30-015-45870
JOB NO: 19MLH0371

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Drew Landry FS	Guacamole CC 24-23 Federal 11H Original Hole	513.00 Ft to 15918.00 Ft	November 7, 2019 to November 23, 2019	SlimPulse 3rd Party Corrected

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
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Schlumberger

Well Reference:
S24, T24S, R29E Eddy, NM
N 32.2606684 W -103.9385889

I, Drew Landry certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 07, 2019 through November 23, 2019, conduct or supervise the taking of the SlimPulse & 3rd Party Corrected surveys from a depth of 513.00 feet to a depth of 15918.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Oxy USA Incorporated for the Guacamole CC 24-23 Federal 11H Well (Original Hole) API No. 30-015-45870 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Drew Landry
FS



Subscribed and Sworn to before me this 07 day of November (month) 2019 (yr)

My Commission expires:

6/14/2023

Notary Public

Jean-Paul Langlois
Comanche, Oklahoma
(County State)

(signature)





OXY

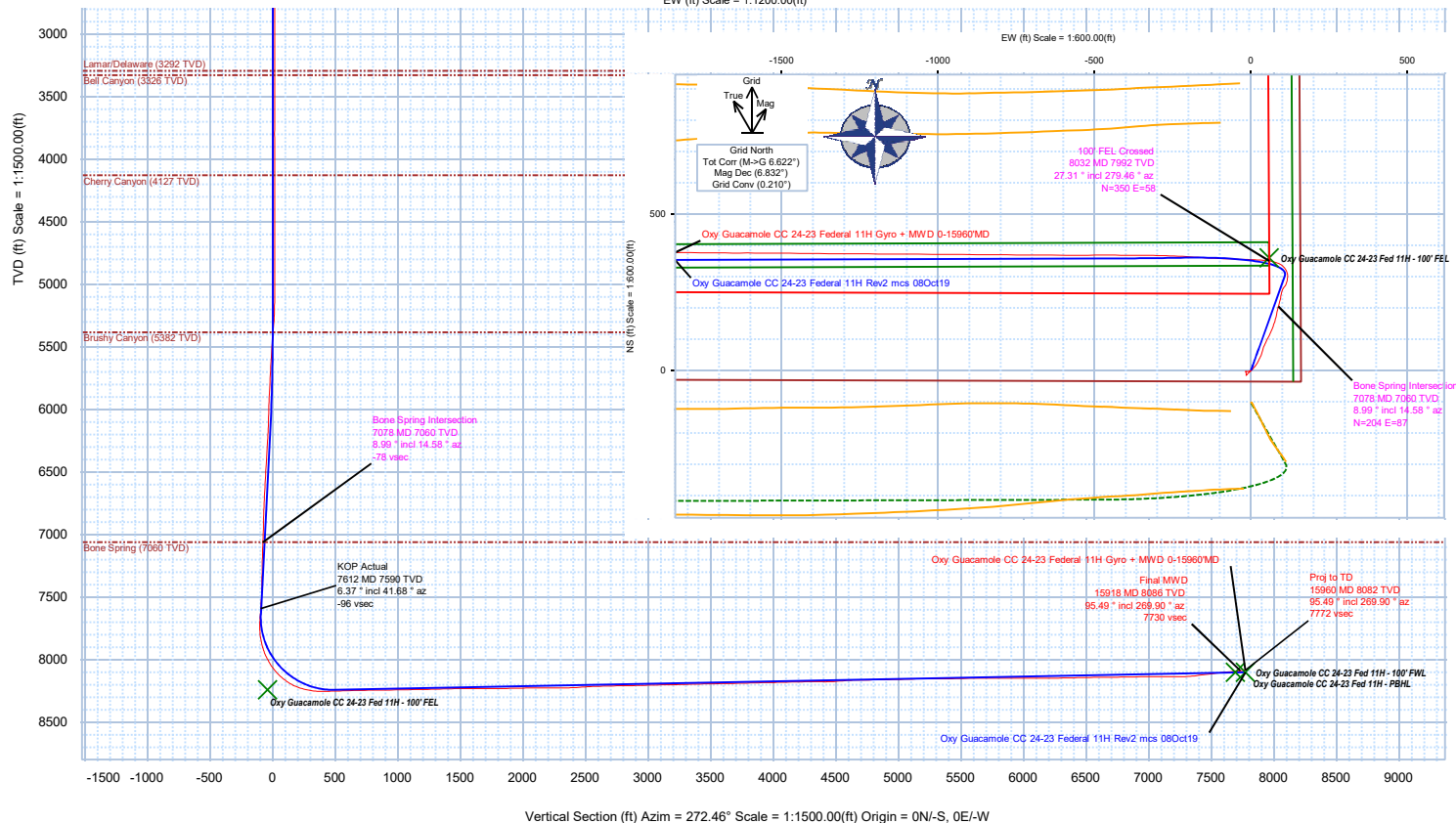
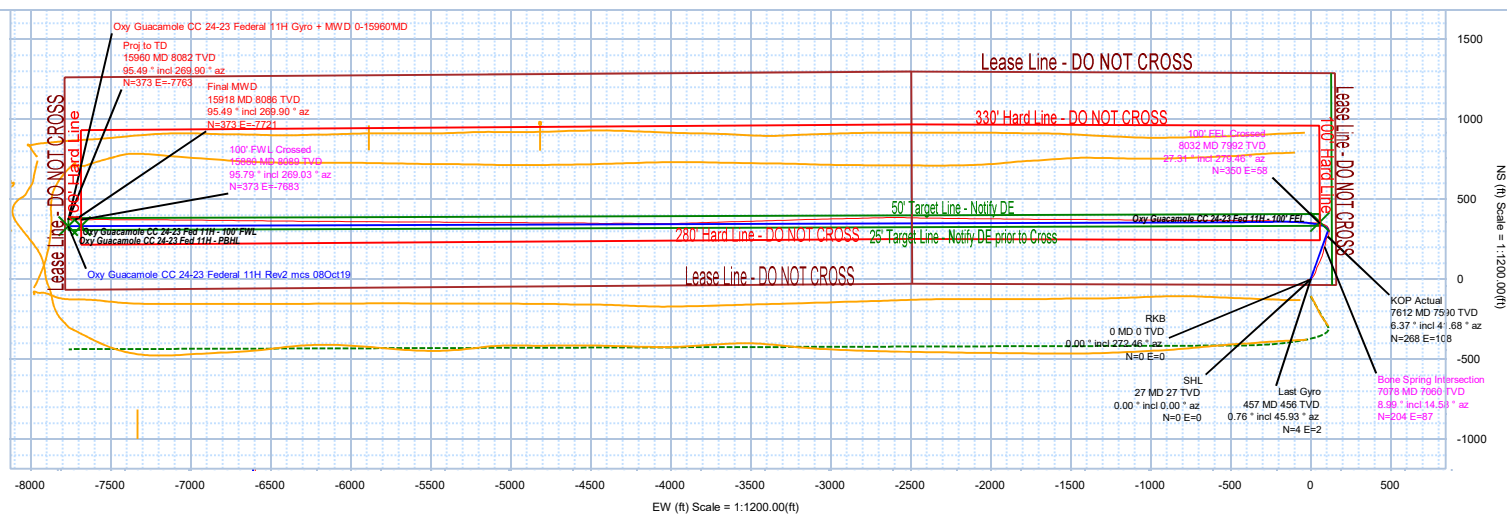


Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Guacamole CC 24-23 Federal 11H	NM Eddy County (NAD 83)	Oxy Guacamole CC 24-23 Federal 11H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model: IFR1	Dip: 59.9°	Date: 30-Oct-2019	Gravity FS: 998.458mgn (9.80665 Based)	Lat: N 32 12 24.06	Northing: 439149.9718	Grid Conv: 0.2104°	Scale Fact: 0.99992616	Slot: CC 24-23	Oxy Guacamole	TVD Ref: RKB=26.5'(3118.8ft above MSL)	
MagDec: 6.832°	FS: 47858.1nT			Lon: W 103 56 18.92	Easting: 663428.7185			Plan: Federal 11H	Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD		

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
RKB	0.00	0.00	272.46	0.00	0.00	0.00	0.00	
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00
Last Gyro	456.50	0.76	45.93	456.46	-1.58	4.44	1.77	1.15
Bone Spring Intersection	7077.52	8.99	14.58	7060.00	-78.47	204.03	87.29	0.41
KOP Actual	7612.00	6.37	41.68	7590.10	-95.97	268.09	107.56	1.72
100' FEL Crossed	8032.00	27.31	279.46	7991.65	-43.15	349.63	58.19	10.81
100' FWL Crossed	15880.00	95.79	269.03	8089.29	7692.38	372.94	-7683.46	2.41
Final MWD	15918.00	95.49	269.90	8085.56	7730.14	372.58	-7721.27	2.41
Proj to TD	15960.00	95.49	269.90	8081.54	7771.91	372.51	-7763.08	0.00



Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD Survey

Geodetic Report

(Def Survey)



Report Date: November 25, 2019 - 03:21 PM
Client: OXY
Field: NM Eddy County (NAD 83)
Structure / Slot: Oxy Guacamole CC 24-23 Federal 11H / Oxy Guacamole CC 24-23 Federal 11H
Well: Oxy Guacamole CC 24-23 Federal 11H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-45870
Survey Name: Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
Survey Date: October 09, 2019
Tort / AHD / DDI / ERD Ratio: 247.261 ° / 8307.233 ft / 6.599 / 1.007
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 24.06251", W 103° 56' 18.91995"
Location Grid N/E Y/X: N 439149.970 ftUS, E 663428.700 ftUS
CRS Grid Convergence Angle: 0.2104 °
Grid Scale Factor: 0.99992616
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 272.456 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=26.5'
TVD Reference Elevation: 3118.800 ft above MSL
Seabed / Ground Elevation: 3092.300 ft above MSL
Magnetic Declination: 6.832 °
Total Gravity Field Strength: 998.4582mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47858.100 nT
Magnetic Dip Angle: 59.900 °
Declination Date: October 30, 2019
Magnetic Declination Model: IIFR1
North Reference: Grid North
Grid Convergence Used: 0.2104 °
Total Corr Mag North->Grid North: 6.6216 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
RKB	0.00	0.00	272.46	0.00	0.00	0.00	0.00	N/A	439149.97	663428.70	N 32 12 24.06	W 103 56 18.92
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	439149.97	663428.70	N 32 12 24.06	W 103 56 18.92
	82.50	0.42	82.31	82.50	-0.20	0.03	0.20	0.75	439150.00	663428.90	N 32 12 24.06	W 103 56 18.92
	108.50	0.36	331.92	108.50	-0.25	0.11	0.26	2.47	439150.08	663428.96	N 32 12 24.06	W 103 56 18.92
	141.50	0.59	336.16	141.50	-0.13	0.36	0.14	0.70	439150.33	663428.84	N 32 12 24.07	W 103 56 18.92
	170.50	0.71	2.48	170.50	-0.06	0.68	0.09	1.10	439150.65	663428.79	N 32 12 24.07	W 103 56 18.92
	197.50	0.78	25.61	197.49	-0.13	1.01	0.18	1.14	439150.98	663428.88	N 32 12 24.07	W 103 56 18.92
	227.50	0.64	12.34	227.49	-0.24	1.36	0.30	0.72	439151.33	663429.00	N 32 12 24.08	W 103 56 18.92
	253.50	0.88	9.36	253.49	-0.29	1.69	0.36	0.94	439151.66	663429.06	N 32 12 24.08	W 103 56 18.92
	279.50	0.89	22.67	279.49	-0.38	2.08	0.47	0.79	439152.05	663429.17	N 32 12 24.08	W 103 56 18.91
	311.50	0.62	19.67	311.48	-0.52	2.47	0.63	0.85	439152.44	663429.33	N 32 12 24.09	W 103 56 18.91
	342.50	0.74	20.25	342.48	-0.63	2.82	0.75	0.39	439152.79	663429.45	N 32 12 24.09	W 103 56 18.91
	374.50	1.25	33.18	374.48	-0.87	3.30	1.02	1.73	439153.27	663429.72	N 32 12 24.10	W 103 56 18.91
	405.50	1.01	33.48	405.47	-1.19	3.81	1.35	0.77	439153.78	663430.05	N 32 12 24.10	W 103 56 18.90
	437.50	0.78	29.71	437.47	-1.43	4.24	1.62	0.74	439154.21	663430.32	N 32 12 24.10	W 103 56 18.90
Last Gyro	456.50	0.76	45.93	456.46	-1.58	4.44	1.77	1.15	439154.41	663430.47	N 32 12 24.11	W 103 56 18.90
	513.00	0.68	137.75	512.96	-2.07	4.45	2.26	1.83	439154.42	663430.96	N 32 12 24.11	W 103 56 18.89
	603.00	0.02	285.78	602.96	-2.43	4.06	2.61	0.77	439154.03	663431.31	N 32 12 24.10	W 103 56 18.89
	694.00	0.02	81.97	693.96	-2.43	4.07	2.61	0.04	439154.04	663431.31	N 32 12 24.10	W 103 56 18.89
	795.00	0.05	193.01	794.96	-2.44	4.02	2.62	0.06	439153.99	663431.32	N 32 12 24.10	W 103 56 18.89
	886.00	0.51	202.96	885.96	-2.29	3.61	2.45	0.51	439153.58	663431.15	N 32 12 24.10	W 103 56 18.89
	976.00	1.12	217.41	975.95	-1.65	2.55	1.76	0.71	439152.52	663430.46	N 32 12 24.09	W 103 56 18.90
	1067.00	1.71	230.29	1066.92	-0.13	0.97	0.73	0.73	439150.94	663428.87	N 32 12 24.07	W 103 56 18.92
	1157.00	2.40	237.37	1156.86	2.40	-0.90	-2.45	0.82	439149.07	663426.25	N 32 12 24.05	W 103 56 18.95
	1248.00	2.55	249.30	1247.78	5.83	-2.65	-5.94	0.59	439147.33	663422.76	N 32 12 24.04	W 103 56 18.99
	1340.00	2.57	259.21	1339.69	9.71	-3.75	-9.88	0.48	439146.22	663418.82	N 32 12 24.03	W 103 56 19.04
	1434.00	1.64	281.59	1433.62	13.09	-3.88	-13.27	1.30	439146.09	663415.43	N 32 12 24.02	W 103 56 19.07
	1528.00	1.50	272.90	1527.59	15.65	-3.55	-15.82	0.29	439146.42	663412.88	N 32 12 24.03	W 103 56 19.10
	1623.00	1.49	288.74	1622.56	18.08	-3.09	-18.23	0.43	439146.88	663410.47	N 32 12 24.03	W 103 56 19.13
	1718.00	0.24	163.04	1717.55	19.20	-2.88	-19.34	1.73	439147.09	663409.36	N 32 12 24.03	W 103 56 19.15
	1812.00	0.02	153.44	1811.55	19.13	-3.08	-19.28	0.23	439146.89	663409.42	N 32 12 24.03	W 103 56 19.14
	1907.00	0.02	233.09	1906.55	19.13	-3.11	-19.28	0.03	439146.86	663409.42	N 32 12 24.03	W 103 56 19.14
	2001.00	0.02	149.75	2000.55	19.14	-3.13	-19.29	0.03	439146.84	663409.41	N 32 12 24.03	W 103 56 19.14
	2096.00	0.05	45.60	2095.55	19.10	-3.12	-19.25	0.06	439146.85	663409.45	N 32 12 24.03	W 103 56 19.14
	2190.00	0.23	98.55	2189.55	18.88	-3.12	-19.03	0.22	439146.85	663409.67	N 32 12 24.03	W 103 56 19.14
	2284.00	0.06	37.59	2283.55	18.67	-3.11	-18.82	0.22	439146.86	663409.88	N 32 12 24.03	W 103 56 19.14
	2379.00	0.02	291.04	2378.55	18.65	-3.06	-18.80	0.07	439146.91	663409.90	N 32 12 24.03	W 103 56 19.14
	2473.00	0.02	193.94	2472.55	18.67	-3.07	-18.82	0.03	439146.90	663409.88	N 32 12 24.03	W 103 56 19.14
	2568.00	0.26	128.51	2567.55	18.50	-3.22	-18.66	0.27	439146.75	663410.04	N 32 12 24.03	W 103 56 19.14
	2663.00	0.76	124.15	2662.54	17.79	-3.71	-17.97	0.53	439146.26	663410.73	N 32 12 24.03	W 103 56 19.13
	2757.00	0.91	136.59	2756.53	16.73	-4.60	-16.94	0.25	439145.37	663411.76	N 32 12 24.02	W 103 56 19.12
	2852.00	0.55	166.14	2851.52	16.06	-5.59	-16.31	0.54	439144.38	663412.39	N 32 12 24.01	W 103 56 19.11
	2946.00	1.25	167.86	2945.51	15.67	-7.03	-15.99	0.75	439142.94	663412.71	N 32 12 23.99	W 103 56 19.11
	3040.00	1.97	174.08	3039.47	15.18	-9.64	-15.60	0.79	439140.33	663413.10	N 32 12 23.97	W 103 56 19.10
	3135.00	1.99	180.18	3134.42	14.87	-12.92	-15.44	0.22	439137.06	663413.26	N 32 12 23.94	W 103 56 19.10
	3229.00	1.41	186.77	3228.38	14.90	-15.70	-15.58	0.65	439134.28	663413.12	N 32 12 23.91	W 103 56 19.10
	3323.00	0.83	196.08	3322.36	15.14	-17.50	-15.91	0.64	439132.47	663412.79	N 32 12 23.89	W 103 56 19.11
	3418.00	0.13	40.02	3417.35	15.24	-18.08	-16.03	1.00	439131.89	663412.67	N 32 12 23.88	W 103 56 19.11
	3512.00	0.08	154.77	3511.35	15.14	-18.05	-15.93	0.19	439131.92	663412.77	N 32 12 23.88	W 103 56 19.11
	3607.00	0.03	158.06	3606.35	15.10	-18.14	-15.90	0.05	439131.83	663412.81	N 32 12 23.88	W 103 56 19.11
	3701.00	0.39	51.35	3700.35	14.85	-17.96	-15.64	0.43	439132.01	663413.07	N 32 12 23.89	W 103 56 19.10
	3796.00	0.25	354.66	3795.35	14.64	-17.55	-15.40	0.35	439132.42	663413.30	N 32 12 23.89	W 103 56 19.10
	3890.00	0.13	215.39	3889.35	14.72	-17.44	-15.48	0.38	439132.54	663413.22	N 32 12 23.89	W 103 56 19.10
	3985.00	0.03	323.90	3984.35	14.80	-17.50	-15.56	0.15	439132.47	663413.14	N 32 12 23.89	W 103 56 19.10
	4079.00	0.07	292.14	4078.35	14.87	-17.46	-15.63	0.05	439132.51	663413.07	N 32 12 23.89	W 103 56 19.10
	4174.00	0.09	175.45	4173.35	14.91	-17.51	-15.68	0.14	439132.46	663413.02	N 32 12 23.89	W 103 56 19.10
	4268.00	0.03	209.52	4267.35	14.91	-17.61	-15.68	0.07	439132.36	663413.02	N 32 12 23.89	W 103 56 19.10
	4362.00	0.03	183.14	4361.35	14.93	-17.65	-15.70	0.01	439132.32	663413.01	N 32 12 23.89	W 103 56 19.10
	4457.00	0.02	242.36	4456.35	14.94	-17.69	-15.71	0.03	439132.28	663412.99	N 32 12 23.89	W 103 56 19.10
	4551.00	0.05	24.80	4550.35	14.94	-17.66	-15.71	0.07	439132.31	663412.99	N 32 12 23.89	W 103 56 19.10
	4646.00	0.02	253.19	4645.35	14.94	-17.62	-15.71	0.07	439132.35	663412.99	N 32 12 23.89	W 103 56 19.10
	4740.00	0.02	176.83	4739.35	14.95	-17.65	-15.72	0.03	439132.33	663412.98	N 32 12 23.89	W 103 56 19.10
	4835.00	0.02	91.53	4834.35	14.93	-17.66	-15.71	0.03	439132.31	663413.00	N 32 12 23.89	W 103 56 19.10
	5024.00	0.02	14.57	5023.35	14.89	-17.63	-15.66	0.01	439132.34	663413.04	N 32 12 23.89	W 103 56 19.10
	5121.00	0.55	353.02	5120.35	14.97	-17.15	-15.72	0.55	439132.82	663412.98	N 32 12 23.89	W 103 56 19.10
	5215.00	2.97	42.93	5214.30	13.46	-14.92	-14.11	2.82	439135.05	663414.59	N 32 12 23.92	W 103 56 19.08
	5310.00	5.62	47.36	5309.03	8.58	-9.97	-9.01	2.81	439140.00	663419.69	N 32 12 23.96	W 103 56 19.03
	5404.00	6.66	45.95	5402.49	1.58	-3.06	-1.71	1.12	439146.91	663426.99	N 32 12 24.03	W 103 56 18.94
	5594.00	6.32	36.90	5591.27	-11.92	12.96	12.49	0.57	439162.93	663441.19	N 32 12 24.19	W 103 56 18.77
	5688.00	6.57	32.78	5684.68	-17.56	21.62	18.51	0.56	439171.59	663447.21	N 32 12 24.28	W 103 56 18.70
	5783.00	6.35	28.02	5779.08	-22.57	30.83	23.92	0.61	439180.80	663452.62	N 32 12 24.37	W 103 56 18.64
	5878.00	6.34	26.16	5873.50	-26.95	40.18	28.70	0.22	439190.14	663457.40	N 32 12 24.46	W 103 56 18.58
	5972.00	6.40	21.37	5966.92	-30.74	49.71	32.90	0.57	439199.68	663461.59	N 32 12 24.55	W 103 56 18.53
	6067.00	6.38	15.65	6061.33	-33.66	59.73	36.25	0.67	439209.69	663464.95	N 32 12 24.65	W 103 56 18.50

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6350.00	8.68	26.18	6341.69	-46.08	95.33	50.21	0.21	439245.29	663478.90	N 32 12 25.00	W 103 56 18.33
	6445.00	8.88	26.25	6435.57	-51.92	108.33	56.61	0.21	439258.30	663485.31	N 32 12 25.13	W 103 56 18.26
	6539.00	9.21	23.69	6528.40	-57.57	121.73	62.85	0.55	439271.69	663491.54	N 32 12 25.26	W 103 56 18.18
	6634.00	9.27	21.00	6622.17	-62.76	135.84	68.64	0.46	439285.80	663497.34	N 32 12 25.40	W 103 56 18.12
	6728.00	9.42	18.77	6714.92	-67.33	150.19	73.83	0.42	439300.15	663502.53	N 32 12 25.55	W 103 56 18.05
	6823.00	9.27	14.60	6808.66	-71.12	164.95	78.26	0.73	439314.91	663506.96	N 32 12 25.69	W 103 56 18.00
	6917.00	9.14	11.72	6901.45	-73.92	179.59	81.69	0.51	439329.55	663510.38	N 32 12 25.84	W 103 56 17.96
	7012.00	8.90	12.97	6995.28	-76.47	194.14	84.87	0.33	439344.09	663513.56	N 32 12 25.98	W 103 56 17.92
	7106.00	9.03	15.27	7088.13	-79.43	208.34	88.44	0.41	439358.30	663517.14	N 32 12 26.12	W 103 56 17.88
	7200.00	7.80	14.59	7181.12	-82.41	221.63	91.99	1.31	439371.58	663520.69	N 32 12 26.25	W 103 56 17.84
	7295.00	6.50	11.75	7275.38	-84.64	233.13	94.71	1.42	439383.09	663523.40	N 32 12 26.37	W 103 56 17.81
	7390.00	7.01	7.19	7369.72	-85.98	244.15	96.53	0.78	439394.10	663525.22	N 32 12 26.47	W 103 56 17.79
	7484.00	7.28	22.24	7463.00	-88.47	255.36	99.50	2.01	439405.31	663528.20	N 32 12 26.59	W 103 56 17.75
	7522.00	6.98	29.43	7500.70	-90.33	259.60	101.55	2.48	439409.55	663530.24	N 32 12 26.63	W 103 56 17.73
	7612.00	6.37	41.68	7590.10	-95.97	268.09	107.56	1.72	439418.04	663536.25	N 32 12 26.71	W 103 56 17.66
	7707.00	16.04	14.89	7683.23	-102.15	284.76	114.45	11.30	439434.70	663543.15	N 32 12 26.88	W 103 56 17.58
	7801.00	14.80	351.60	7773.93	-102.68	309.21	116.04	6.67	439459.15	663544.73	N 32 12 27.12	W 103 56 17.56
	7895.00	17.08	314.02	7864.55	-90.06	330.74	104.33	11.04	439480.68	663533.02	N 32 12 27.38	W 103 56 17.69
	7990.00	23.72	285.93	7953.75	-60.94	345.73	75.82	12.27	439495.67	663504.52	N 32 12 27.43	W 103 56 18.02
100' FEL Crossed	8032.00	27.31	279.46	7991.65	-43.15	349.63	58.19	10.81	439499.58	663486.88	N 32 12 27.52	W 103 56 18.23
	8085.00	32.16	273.30	8037.67	-16.96	352.45	32.09	10.81	439502.39	663460.79	N 32 12 27.55	W 103 56 18.53
	8180.00	44.74	271.59	8111.92	41.99	354.84	-26.81	13.29	439504.78	663401.89	N 32 12 27.57	W 103 56 19.22
	8274.00	54.77	272.60	8172.57	113.65	357.50	-98.42	10.70	439507.45	663330.29	N 32 12 27.60	W 103 56 20.05
	8368.00	68.89	273.74	8216.84	196.29	362.13	-180.94	15.06	439512.07	663247.77	N 32 12 27.65	W 103 56 21.01
	8463.00	79.66	271.62	8242.55	287.60	366.35	-272.15	11.54	439516.30	663156.57	N 32 12 27.70	W 103 56 22.07
	8558.00	89.83	270.03	8251.24	382.03	367.70	-366.81	10.83	439517.65	663062.11	N 32 12 27.71	W 103 56 23.17
	8589.00	91.10	270.26	8250.99	413.00	367.78	-397.61	4.16	439517.72	663031.12	N 32 12 27.72	W 103 56 23.53
	8626.00	90.94	270.93	8250.33	449.98	368.17	-434.80	1.86	439518.11	662994.13	N 32 12 27.72	W 103 56 23.96
	8689.00	92.18	269.05	8248.62	512.89	368.16	-497.58	3.57	439518.10	662931.16	N 32 12 27.72	W 103 56 24.70
	8783.00	91.46	270.58	8245.63	606.74	367.85	-591.52	1.80	439517.79	662837.22	N 32 12 27.72	W 103 56 25.79
	8878.00	91.29	270.49	8243.35	701.66	368.74	-686.49	0.20	439518.68	662742.26	N 32 12 27.74	W 103 56 26.89
	8973.00	90.22	270.04	8242.10	796.58	369.18	-781.48	1.22	439519.12	662647.28	N 32 12 27.74	W 103 56 28.00
	9068.00	90.94	270.60	8241.14	891.51	369.71	-876.47	0.96	439519.65	662552.29	N 32 12 27.75	W 103 56 29.11
	9162.00	90.87	270.48	8239.65	985.45	370.59	-970.46	0.15	439520.54	662458.31	N 32 12 27.76	W 103 56 30.20
	9257.00	91.08	270.26	8238.04	1080.37	371.21	-1065.44	0.32	439521.15	662363.34	N 32 12 27.77	W 103 56 31.30
	9351.00	91.01	270.49	8236.32	1174.29	371.82	-1159.43	0.26	439521.77	662269.36	N 32 12 27.78	W 103 56 32.40
	9446.00	90.98	270.07	8234.67	1269.21	372.29	-1254.41	0.44	439522.23	662174.39	N 32 12 27.79	W 103 56 33.50
	9541.00	91.73	270.83	8232.43	1364.12	373.03	-1349.38	1.12	439522.98	662079.42	N 32 12 27.80	W 103 56 34.61
	9635.00	91.15	270.51	8230.06	1458.05	374.13	-1443.34	0.70	439524.07	661985.47	N 32 12 27.82	W 103 56 35.70
	9730.00	90.70	270.41	8228.53	1552.98	374.89	-1538.33	0.49	439524.84	661890.49	N 32 12 27.83	W 103 56 36.81
	9825.00	88.67	269.88	8229.05	1647.89	375.14	-1633.32	2.21	439525.08	661795.50	N 32 12 27.83	W 103 56 37.91
	9920.00	90.81	270.72	8229.48	1742.82	375.63	-1728.31	2.42	439525.57	661700.52	N 32 12 27.84	W 103 56 39.02
	10014.00	90.70	270.18	8228.24	1836.75	376.37	-1822.30	0.59	439526.31	661606.54	N 32 12 27.85	W 103 56 40.11
	10108.00	91.42	271.22	8226.51	1930.69	377.52	-1916.27	1.35	439527.46	661512.57	N 32 12 27.87	W 103 56 41.21
	10202.00	90.50	270.18	8224.93	2024.63	378.67	-2010.25	1.48	439528.61	661418.60	N 32 12 27.88	W 103 56 42.30
	10297.00	91.35	270.62	8223.40	2119.56	379.33	-2105.24	1.01	439529.27	661323.62	N 32 12 27.89	W 103 56 43.41
	10392.00	89.19	270.54	8222.95	2214.50	380.29	-2200.22	2.28	439530.23	661228.64	N 32 12 27.90	W 103 56 44.51
	10486.00	89.77	270.98	8223.80	2308.45	381.54	-2294.21	0.77	439531.48	661134.66	N 32 12 27.92	W 103 56 45.60
	10581.00	92.70	270.66	8221.75	2403.38	382.90	-2389.17	3.10	439532.84	661039.71	N 32 12 27.94	W 103 56 46.71
	10676.00	94.52	271.60	8215.77	2498.16	384.77	-2483.96	2.16	439534.71	660944.93	N 32 12 27.96	W 103 56 47.81
	10771.00	91.25	270.44	8210.99	2593.00	386.45	-2578.81	3.65	439536.39	660850.09	N 32 12 27.98	W 103 56 48.92
	10865.00	91.42	268.67	8208.80	2686.85	385.72	-2672.78	1.89	439535.67	660756.13	N 32 12 27.98	W 103 56 50.01
	10959.00	90.60	268.27	8207.15	2780.61	383.21	-2766.73	0.97	439533.16	660662.18	N 32 12 27.95	W 103 56 51.10
	11054.00	91.35	268.77	8205.53	2875.37	380.76	-2861.68	0.95	439530.70	660567.24	N 32 12 27.93	W 103 56 52.21
	11149.00	91.73	268.86	8202.98	2970.14	378.80	-2956.62	0.41	439528.74	660472.30	N 32 12 27.92	W 103 56 53.31
	11244.00	91.05	268.47	8200.67	3064.90	376.58	-3051.57	0.83	439526.53	660377.36	N 32 12 27.90	W 103 56 54.42
	11338.00	91.15	268.30	8198.87	3158.65	373.94	-3145.52	0.21	439523.88	660283.42	N 32 12 27.88	W 103 56 55.51
	11432.00	91.46	268.28	8196.73	3252.38	371.13	-3239.45	0.33	439521.07	660189.50	N 32 12 27.85	W 103 56 56.61
	11527.00	91.70	268.10	8194.11	3347.08	368.13	-3334.37	0.32	439518.07	660094.59	N 32 12 27.82	W 103 56 57.71
	11622.00	90.77	268.34	8192.06	3441.79	365.18	-3429.30	1.01	439515.12	659999.66	N 32 12 27.80	W 103 56 58.82
	11716.00	91.15	268.41	8190.48	3535.54	362.52	-3523.25	0.41	439512.46	659905.72	N 32 12 27.78	W 103 56 59.91
	11811.00	91.15	268.39	8188.58	3630.29	359.86	-3618.19	0.02	439509.81	659810.78	N 32 12 27.75	W 103 57 1.01
	11905.00	91.11	268.58	8186.72	3724.04	357.38	-3712.14	0.21	439507.32	659716.84	N 32 12 27.73	W 103 57 2.11
	12000.00	91.56	268.21	8184.51	3818.78	354.72	-3807.07	0.61	439504.66	659621.91	N 32 12 27.71	W 103 57 3.21
	12094.00	91.18	268.01	8182.26	3912.48	351.62	-3901.00	0.46	439501.56	659528.00	N 32 12 27.68	W 103 57 4.31
	12189.00	91.15	268.97	8180.33	4007.23	349.12	-3995.94	1.01	439499.06	659433.06	N 32 12 27.66	W 103 57 5.41
	12284.00	91.32	270.42	8178.28	4102.10	348.61	-4090.92	1.54	439498.56	659338.09	N 32 12 27.66	W 103 57 6.52
	12378.00	91.22	270.51	8176.20	4196.02	349.38	-4184.89	0.14	439499.32	659244.13	N 32 12 27.67	W 103 57 7.61
	12473.00	91.49	270.28	8173.95	4290.93	350.03	-4279.86	0.37	439499.97	659149.16	N 32 12 27.68	W 103 57 8.72
	12567.00	87.88	269.33	8174.47	4384.81	349.71	-4373.84	3.97	439499.65	659055.19	N 32 12 27.68	W 103 57 9.81
	12662.00	93.56	271.56	8173.28	4479.70	350.45	-4468.79	6.42	439500.39	658960.25	N 32 12 27.69	W 103 57 10.92
	12756.00	95.28	270.94	8166.03	4573.40	352.49	-4562.48	1.94	439502.43	658866.56	N 32 12 27.71	W 103 57 12.01
	12851.00	90.36	269.70	8161.36	4668.18	353.02	-4657.33	5.34	439502.96	658771.72	N 32 12 27.72	W 103 57 13.11
	12946.00	90.74	270.38	8160.45	4763.09	353.09	-4752.33	0.82	439503.03	658676.73	N 32 12 27.73	W 103 57 14.21
	13040.00	91.11	270.21	8158.93	4857.01	353.57	-4846.32	0.43	439503.51	658582.75	N 32 12 27.73	W 103 57 15.31
	13135.00	91.32	270.45	8156.92	4951.93	354.12	-4941.29	0.34	439504.06	658487.78	N 32 12 27.74	W 103 57

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Proj to TD	15960.00	95.49	269.90	8081.54	7771.91	372.51	-7763.08	0.00	439522.45	655666.21	N 32 12 28.02	W 103 57 49.25

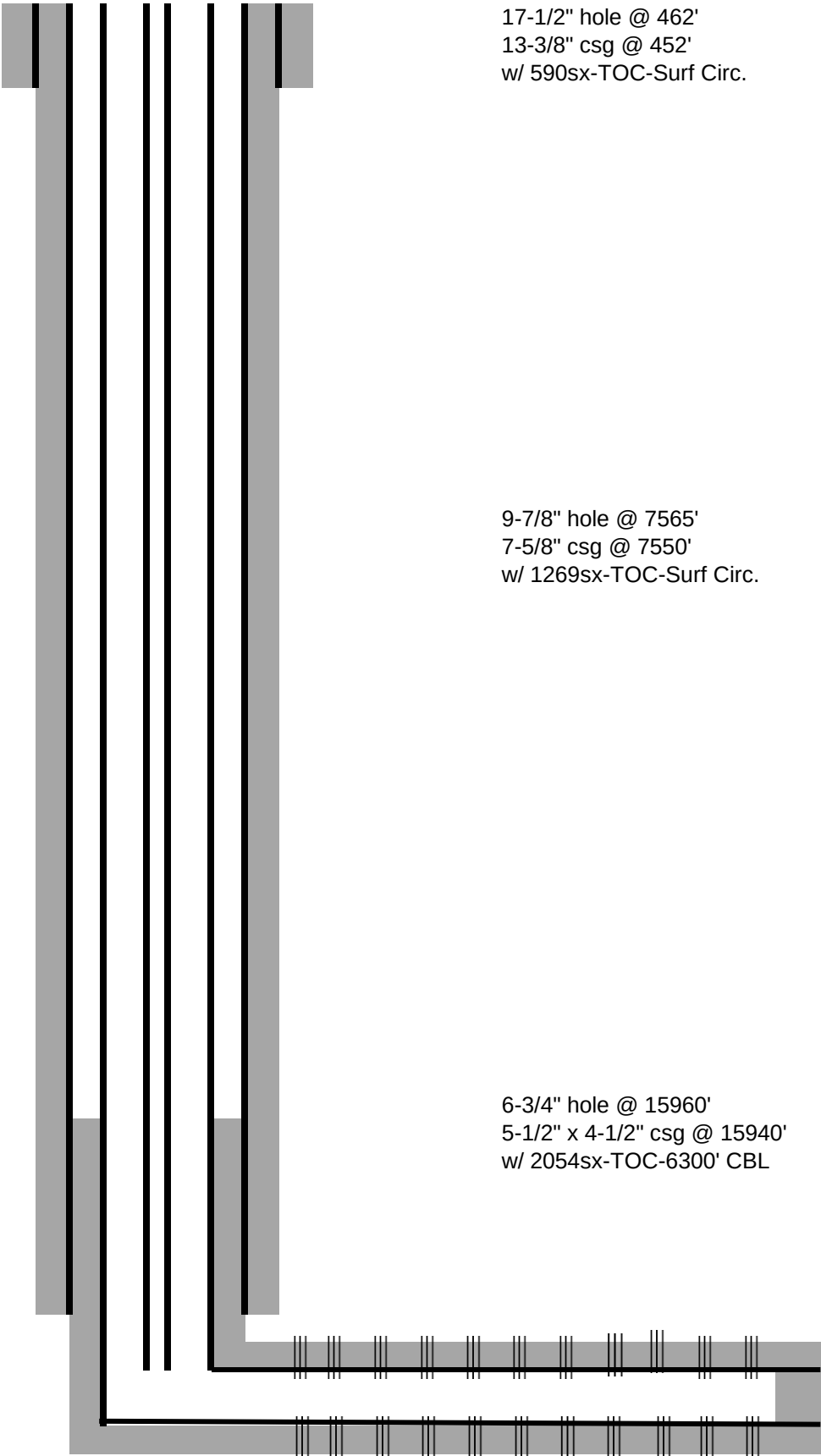
Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	26.500	26.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	26.500	456.500	Act Stns	30.000	30.000	GYD_GC+DROP+OH	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	456.500	7012.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	7012.000	7522.000	Act Stns	30.000	30.000	B001Mb_MWD+HRGM	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD
	1	7522.000	15960.000	Act Stns	30.000	30.000	A010Mb_MWD+IFR1+SAG+MS	Original Borehole / Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD

...Original Borehole\Oxy Guacamole CC 24-23 Federal 11H Gyro + MWD 0-15960'MD

OXY USA Inc.
Guacamole CC 24-23 Federal 11H
API No. 30-015-45870



17-1/2" hole @ 462'
13-3/8" csg @ 452'
w/ 590sx-TOC-Surf Circ.

9-7/8" hole @ 7565'
7-5/8" csg @ 7550'
w/ 1269sx-TOC-Surf Circ.

6-3/4" hole @ 15960'
5-1/2" x 4-1/2" csg @ 15940'
w/ 2054sx-TOC-6300' CBL

2-7/8" tbg w/ gas lift @ 7949'

Perfs @ 8376-15738' TD- 15960'M 8082'V