

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

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

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45576	Pool Code 50371	Pool Name Pierce Crossing Bone Spring
Property Code 323065	Property Name WIDTH CC "6-7" FEDERAL COM	Well Number 15H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2960.0'

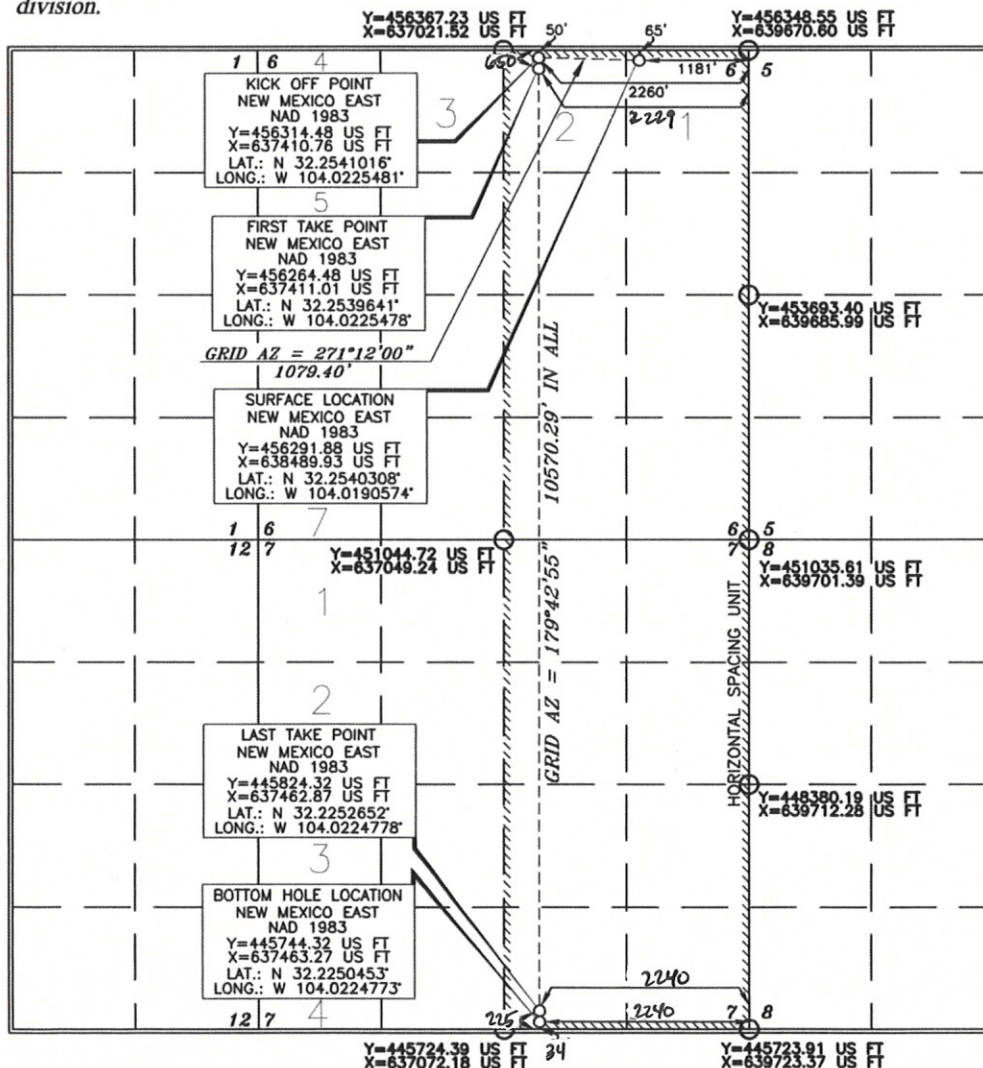
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	24 SOUTH	29 EAST, N.M.P.M.		65'	NORTH	1181'	EAST	EDDY

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
0	7	24 SOUTH	29 EAST, N.M.P.M.		20' 34	SOUTH	2260' 2240	EAST	EDDY
Dedicated Acres 639.88	Joint or Infill	Consolidation Code	Order No.	FTP- 650 FNL 2229 FEL LTP- 225 FSL 2240 FEL					

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: **3/16/20**
Printed Name: **Jana Mendiola**
Email Address: **jana.mendiola@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from 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.

Date of Survey: **JUNE 27, 2018**
Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number: **15079**

Intent ☐ As Drilled ☒

API # 30-015-45576			
Operator Name: OXY USA Inc.		Property Name: Width CC 6-7 Federal Comm	Well Number 15H

Kick Off Point (KOP)

UL B	Section 6	Township 24S	Range 29E	Lot	Feet 165	From N/S N	Feet 2110	From E/W E	County Eddy
Latitude 32.25376					Longitude -104.02206			NAD NAD83	

First Take Point (FTP)

UL B	Section 6	Township 24S	Range 29E	Lot	Feet 650	From N/S N	Feet 2229	From E/W E	County Eddy
Latitude 32.25243					Longitude -104.02245			NAD NAD83	

Last Take Point (LTP)

UL 0	Section 7	Township 24S	Range 29E	Lot	Feet 225	From N/S S	Feet 2240	From E/W E	County Eddy
Latitude 32.22558					Longitude -104.02258			NAD NAD83	

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

Is this well an infill well? ☐

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

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

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)

Schlumberger

February 13, 2020

Oxy USA Incorporated
5 Greenway Plaza, Suite 110
Houston, TX 77046-0521

Re:

S6, T24S, R29E Eddy, NM
N 32.25403 W -104.01906

CLIENT: Oxy USA Incorporated
WELL: Width CC 6-7 Federal Com 15H
FIELD: Pierce Crossing-Bone Spring

RIG: HP 656
COUNTY: Eddy
API NO: 30-015-45576
JOB NO: 20MLH0248

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>
Tyler Matthews FE	Width CC 6-7 Federal Com 15H Original Hole	541.00 Ft to 17907.00 Ft	January 13, 2020 to February 6, 2020	SlimPulse

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)

Schlumberger

Well Reference:

S6, T24S, R29E Eddy, NM

N 32.25403 W -104.01906

I, Tyler Matthews certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of January 13, 2020 through February 06, 2020, conduct or supervise the taking of the SlimPulse surveys from a depth of 541.00 feet to a depth of 17907.00 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 Width CC 6-7 Federal Com 15H Well (Original Hole) API No. 30-015-45576 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

Tyler Matthews

FE

Tyler Matthews

Subscribed and Sworn to before me this 10 day of March (month) 2020 (yr)

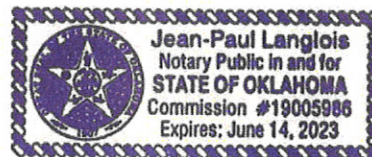
My Commission expires:

6/14/23

Notary Public

(County State)

(signature)



Schlumberger

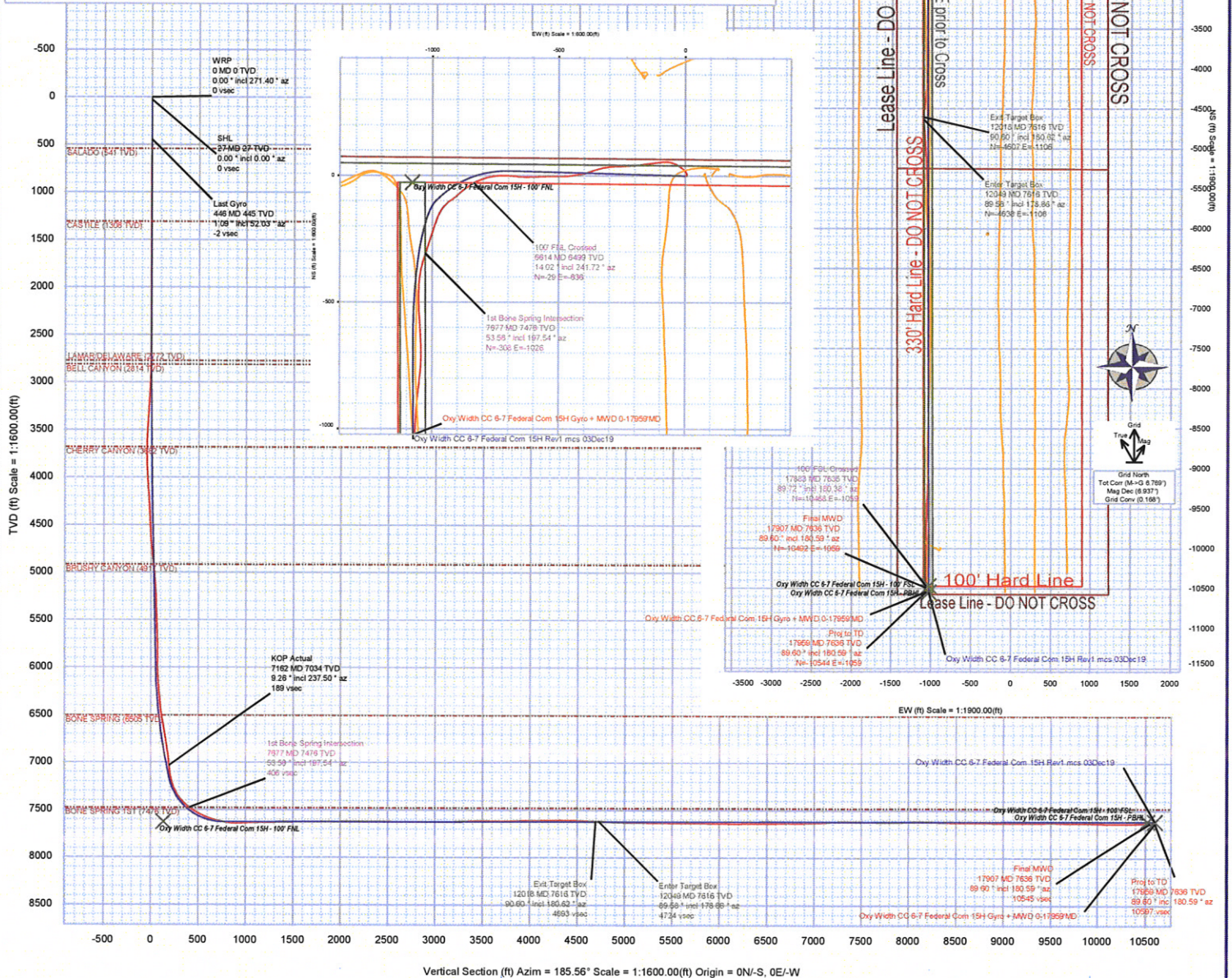
OXY



Borehole:	Well:	Field:	Structure:
Original Borehole	Oxy Width CC 6-7 Federal Com 15H	NM Eddy County (NAD 83)	Oxy Width CC 6-7 Federal Com 15H

Gravity & Magnetic Parameters				Surface Location				Miscellaneous			
Model:	IFR1	Dip:	59.971°	Date:	10-Jan-2020	Lat:	N 32 15 14.51	Northing:	456291.88NUS	Grid Conv:	0.1677°
MagDec:	6.937°	FS:	47849.6N	Gravity FS:	998.471mgN (9.80665 Based)	Lon:	W 104 1 8.61	Easting:	638489.93NUS	Scale Fact:	0.9999199
								Slot: Oxy Width CC 6-7 Federal Com 15H TVD Ref: RKB = 26.5'(2885.5ft above MSL)			
								Plan: Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959MD			

Critical Points											
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS			
WRP	0.00	0.00	271.40	0.00	0.00	0.00	0.00				
SHL	26.50	0.00	0.00	26.50	0.00	0.00	0.00				
Last Gyro	445.50	1.09	52.03	445.47	-1.60	1.23	3.82	0.36			
100' FNL Crossed	6614.00	14.02	241.72	6499.37	109.91	-29.09	-835.66	2.47			
KOP Actual	7162.00	9.26	237.50	7034.23	189.34	-99.81	-929.00	0.67			
1st Bone Spring Intersection	7677.06	53.58	197.54	7476.00	406.43	-308.47	-1026.16	8.22			
Exit Target Box	12018.00	90.60	180.62	7615.88	4692.79	-4607.29	-1106.25	7.57			
Enter Target Box	12049.00	89.58	178.86	7615.71	4723.63	-4638.29	-1106.10	7.46			
100' FSL Crossed	17883.00	89.72	180.38	7635.43	10521.47	-10468.16	-1058.53	1.03			
Final MWD	17907.00	89.60	180.59	7635.57	10545.38	-10492.16	-1058.74	1.03			
Proj to TD	17959.00	89.60	180.59	7635.93	10597.18	-10544.16	-1059.27	0.00			



Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959'MD Survey

Geodetic Report

(Def Survey)



Report Date: February 12, 2020 - 09:54 AM Client: OXY Field: NM Eddy County (NAD 83) Structure / Slot: Oxy Width CC 6-7 Federal Com 15H / Oxy Width CC 6-7 Federal Com 15H Well: Oxy Width CC 6-7 Federal Com 15H Borehole: Original Borehole UW / API#: Unknown / 30-015-45576 Survey Name: Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959'MD Survey Date: January 10, 2020 Tort / AHD / DDI / ERD Ratio: 364.068° / 11480.979 ft / 6.992 / 1.503 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 15' 14.51091", W 104° 1' 8.60677" Location Grid N/E Y/X: N 456291.880 RUS, E 638489.930 RUS CRS Grid Convergence Angle: 0.1677° Grid Scale Factor: 0.9999199 Version / Patch: 2.10.782.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 185.559° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB = 26.5' TVD Reference Elevation: 2986.500 ft above MSL Seabed / Ground Elevation: 2960.000 ft above MSL Magnetic Declination: 6.937° Total Gravity Field Strength: 998.4711mgN (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47849.600 nT Magnetic Dip Angle: 59.971° Declination Date: January 10, 2020 Magnetic Declination Model: IFR1 North Reference: Grid North Grid Convergence Used: 0.1677° Total Corr Mag North->Grid North: 6.7693° 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 ° ' ")
WRP SHL	0.00	0.00	271.40	0.00	0.00	0.00	0.00	N/A	456291.88	638489.93	N 32 15 14.51 W 104	1 8.61
	26.50	0.00	0.00	26.50	0.00	0.00	0.00	0.00	456291.88	638489.93	N 32 15 14.51 W 104	1 8.61
Last Gyro	100.50	0.11	131.31	100.50	0.04	-0.05	0.05	0.15	456291.83	638489.98	N 32 15 14.51 W 104	1 8.61
	126.50	0.50	90.87	126.50	0.05	-0.07	0.19	1.62	456291.81	638490.12	N 32 15 14.51 W 104	1 8.60
	157.50	0.68	88.92	157.50	0.01	-0.06	0.50	0.58	456291.82	638490.43	N 32 15 14.51 W 104	1 8.60
	184.50	0.76	125.63	184.50	0.09	-0.16	0.81	1.70	456291.72	638490.74	N 32 15 14.51 W 104	1 8.60
	213.50	0.35	116.61	213.49	0.21	-0.32	1.05	1.44	456291.56	638490.98	N 32 15 14.51 W 104	1 8.59
	243.50	0.42	97.52	243.49	0.25	-0.37	1.24	0.48	456291.51	638491.17	N 32 15 14.51 W 104	1 8.59
	270.50	0.56	80.45	270.49	0.22	-0.36	1.47	0.74	456291.52	638491.39	N 32 15 14.51 W 104	1 8.59
	301.50	0.54	60.89	301.49	0.10	-0.27	1.74	0.61	456291.61	638491.67	N 32 15 14.51 W 104	1 8.59
	333.50	0.68	53.82	333.49	-0.12	-0.08	2.03	0.50	456291.80	638491.96	N 32 15 14.51 W 104	1 8.58
	364.50	1.17	55.39	364.49	-0.44	0.21	2.44	1.58	456292.09	638492.37	N 32 15 14.51 W 104	1 8.58
	396.50	1.33	52.94	396.48	-0.90	0.62	3.00	0.53	456292.50	638492.93	N 32 15 14.52 W 104	1 8.57
	427.50	1.15	53.24	427.47	-1.36	1.02	3.54	0.58	456292.90	638493.47	N 32 15 14.52 W 104	1 8.57
	445.50	1.09	52.03	445.47	-1.60	1.23	3.82	0.36	456293.11	638493.75	N 32 15 14.52 W 104	1 8.56
	541.00	1.48	47.27	540.94	-3.14	2.63	5.44	0.42	456294.51	638495.37	N 32 15 14.54 W 104	1 8.54
	632.00	1.02	18.62	631.92	-4.81	4.19	6.56	0.84	456296.07	638496.49	N 32 15 14.55 W 104	1 8.53
	728.00	0.20	328.92	727.92	-5.78	5.15	6.75	0.94	456297.03	638496.68	N 32 15 14.56 W 104	1 8.53
	820.00	0.04	172.88	819.92	-5.87	5.25	6.67	0.26	456297.13	638496.60	N 32 15 14.56 W 104	1 8.53
	913.00	0.07	118.69	912.92	-5.82	5.19	6.72	0.06	456297.07	638496.65	N 32 15 14.56 W 104	1 8.53
	1006.00	0.11	322.99	1005.92	-5.86	5.24	6.72	0.19	456297.12	638496.65	N 32 15 14.56 W 104	1 8.53
	1099.00	0.12	34.52	1098.92	-6.01	5.39	6.72	0.14	456297.27	638496.65	N 32 15 14.56 W 104	1 8.53
	1191.00	0.04	155.70	1190.92	-6.07	5.44	6.79	0.16	456297.32	638496.72	N 32 15 14.56 W 104	1 8.53
	1284.00	0.07	259.11	1283.92	-6.03	5.40	6.75	0.09	456297.28	638496.67	N 32 15 14.56 W 104	1 8.53
	1377.00	0.04	229.41	1376.92	-5.99	5.37	6.67	0.04	456297.25	638496.59	N 32 15 14.56 W 104	1 8.53
	1470.00	0.07	306.10	1469.92	-5.99	5.38	6.59	0.08	456297.26	638496.52	N 32 15 14.56 W 104	1 8.53
	1563.00	0.09	333.49	1562.92	-6.08	5.48	6.52	0.05	456297.36	638496.45	N 32 15 14.56 W 104	1 8.53
	1656.00	0.09	222.63	1654.92	-6.09	5.49	6.43	0.16	456297.37	638496.36	N 32 15 14.57 W 104	1 8.53
	1750.00	0.09	309.05	1749.92	-6.07	5.48	6.33	0.13	456297.36	638496.26	N 32 15 14.56 W 104	1 8.53
	1845.00	0.07	187.68	1844.92	-6.05	5.47	6.26	0.15	456297.35	638496.19	N 32 15 14.56 W 104	1 8.53
	1940.00	0.04	294.49	1939.92	-6.00	5.43	6.22	0.09	456297.31	638496.15	N 32 15 14.56 W 104	1 8.53
	2035.00	0.04	285.17	2034.92	-6.02	5.45	6.16	0.01	456297.33	638496.09	N 32 15 14.57 W 104	1 8.53
	2130.00	0.12	63.31	2129.92	-6.08	5.50	6.22	0.16	456297.38	638496.15	N 32 15 14.57 W 104	1 8.53
	2225.00	0.10	142.85	2224.91	-6.07	5.48	6.36	0.15	456297.36	638496.29	N 32 15 14.56 W 104	1 8.53
	2320.00	0.49	167.52	2319.91	-5.62	5.02	6.49	0.42	456296.90	638496.42	N 32 15 14.56 W 104	1 8.53
	2415.00	0.83	338.59	2414.91	-5.85	5.26	6.33	1.39	456297.14	638496.26	N 32 15 14.56 W 104	1 8.53
	2510.00	0.07	175.14	2509.91	-6.41	5.85	6.08	0.94	456297.72	638496.01	N 32 15 14.57 W 104	1 8.54
	2605.00	0.04	97.39	2604.91	-6.35	5.78	6.12	0.08	456297.66	638496.05	N 32 15 14.57 W 104	1 8.54
	2700.00	0.18	1.04	2699.91	-6.50	5.93	6.16	0.20	456297.81	638496.09	N 32 15 14.57 W 104	1 8.53
	2795.00	0.94	334.71	2794.90	-7.31	6.78	5.83	0.82	456298.66	638495.76	N 32 15 14.58 W 104	1 8.54
	2890.00	1.65	329.59	2889.88	-9.09	8.67	4.80	0.76	456300.55	638494.73	N 32 15 14.60 W 104	1 8.55
	2985.00	2.57	339.27	2984.81	-12.11	11.84	3.36	1.04	456303.72	638493.29	N 32 15 14.63 W 104	1 8.57
3080.00	3.60	325.33	3079.67	-16.29	16.28	0.91	1.33	456308.16	638490.84	N 32 15 14.67 W 104	1 8.60	
3174.00	4.98	316.66	3173.41	-21.23	21.68	-3.57	1.62	456313.56	638486.36	N 32 15 14.73 W 104	1 8.65	
3269.00	5.87	310.34	3267.98	-26.71	27.82	-10.11	1.13	456319.70	638479.82	N 32 15 14.79 W 104	1 8.72	
3364.00	6.82	304.53	3362.40	-32.21	34.16	-18.46	1.21	456326.04	638471.47	N 32 15 14.85 W 104	1 8.82	
3459.00	7.71	300.99	3456.64	-37.68	40.64	-28.57	1.05	456332.52	638461.37	N 32 15 14.91 W 104	1 8.94	
3554.00	8.50	295.13	3550.69	-42.77	46.91	-40.39	1.20	456338.78	638449.55	N 32 15 14.98 W 104	1 9.08	
3649.00	8.90	285.36	3644.60	-46.37	51.83	-53.83	1.61	456343.71	638436.10	N 32 15 15.03 W 104	1 9.23	
3744.00	9.22	275.63	3738.42	-47.64	54.53	-68.49	1.65	456346.40	638421.44	N 32 15 15.05 W 104	1 9.40	
3839.00	10.54	266.81	3832.02	-46.32	54.79	-84.74	2.11	456346.67	638405.19	N 32 15 15.06 W 104	1 9.59	
3934.00	13.26	263.37	3924.97	-42.70	53.05	-104.24	2.96	456344.92	638385.70	N 32 15 15.04 W 104	1 9.82	
4029.00	15.41	262.91	4017.01	-37.63	50.23	-127.59	2.27	456342.11	638362.35	N 32 15 15.01 W 104	1 10.09	
4124.00	16.38	262.15	4108.37	-31.76	46.84	-153.39	1.04	456338.72	638336.55	N 32 15 14.98 W 104	1 10.39	
4219.00	15.69	262.37	4199.68	-25.73	43.31	-179.39	0.73	456335.19	638310.55	N 32 15 14.94 W 104	1 10.69	
4314.00	15.81	264.75	4291.11	-20.37	40.42	-205.01	0.69	456332.30	638284.94	N 32 15 14.92 W 104	1 10.99	
4409.00	15.79	266.90	4382.52	-16.00	38.54	-230.80	0.62	456330.41	638259.14	N 32 15 14.90 W 104	1 11.29	
4504.00	16.26	268.17	4473.83	-12.34	37.41	-257.00	0.62	456329.29	638232.95	N 32 15 14.89 W 104	1 11.60	
4599.00	16.76	265.97	4564.91	-8.35	36.03	-283.96	0.84	456327.90	638205.99	N 32 15 14.88 W 104	1 11.91	
4693.00	17.25	261.45	4654.81	-2.69	33.00	-311.26	1.50	456324.88	638178.69	N 32 15 14.85 W 104	1 12.23	
4789.00	16.79	255.43	4746.61	5.55	27.40	-338.76	1.90	456319.27	638151.20	N 32 15 14.79 W 104	1 12.55	
4883.00	16.68	251.35	4836.63	15.76	19.67	-364.68	1.26	456311.54	638125.28	N 32 15 14.72 W 104	1 12.85	
4978.00	15.87	251.17	4927.82	26.71	11.11	-389.90	0.85	456302.99	638100.06	N 32 15 14.63 W 104	1 13.15	
5073.00	15.57	260.57	5019.29	35.37	4.83	-414.77	2.70	456296.71	638075.19	N 32 15 14.57 W 104	1 13.44	
5168.00	17.62	261.88	5110.32	42.07	0.71	-441.59	2.19	456292.59	638048.38	N 32 15 14.53 W 104	1 13.75	
5263.00	18.92	266.39	5200.54	47.93	-2.29	-471.20	2.02	456289.59	638018.77	N 32 15 14.50 W 104	1 14.09	
5358.00	18.64	270.79	5290.48	51.64	-3.05	-501.75	1.52	456288.83	637988.22	N 32 15 14.50 W 104	1 14.45	
5453.00	17.38	269.30	5380.83	54.45	-3.01	-531.12	1.41	456288.87	637958.86	N 32 15 14.50 W 104	1 14.79	
5548.00	17.33	268.16	5471.50	57.82	-3.64	-559.45	0.36	456288.24	637930.53	N 32 15 14.49 W 104	1 15.12	
5643.00	16.20	267.50	5562.46	61.50	-4.67	-586.83	1.21	456287.21	637903.15	N 32 15 14.48 W 104	1 15.44	
5738.00	16.17	270.74	5744.94	67.44	-5.49	-639.76	0.48	456286.39	637875.22	N 32 15 14.48 W 104	1 16.06	
5833.00	16.69	278.50	5836.07	67.85	-3.30	-666.49	2.37	456288.58	637823.50	N 32 15 14.50 W 104	1 16.37	
5928.00	16.65	272.35	5927.08	67.92	-0.73	-693.58	1.86	456291.15	637796.41	N 32 15 14.52 W 104	1 16.68	
6023.00	16.26	270.26	6017.24	69.89	-0.11	-720.19	0.75	456291.77	637769.79	N 32 15 14.53 W 104	1 16.99	
6117.00	15.45	264.42	6108.63	73.56	-1.28	-746.09	1.88	456290.60	637743.90	N 32 15 14.52 W 104	1 17.29	
6212.00	13.75	257.82	6200.56	79.44	-4.90	-769.72	2.50	456286.98	637720.27	N 32 15 14.48 W 104	1 17.57	
6307.00	12.99	252.39	6292.99	87.09	-10.51	-790.94	1.54	456281.37	637699.06	N 32 15 14.43 W 104	1 17.82	
6402.00	12.94	248.14	6385.57	96.18	-17.70	-810.99	1.00	456274.18	637679.01	N 32 15 14.36 W 104	1 18.05	

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 ° ' '')
100' FNL Crossed	6592.00	13.74	243.66	6478.01	107.05	-26.67	-830.97	1.38	456265.21	637659.03	N 32 15 14.27 W 104	1 18.28
	6614.00	14.02	241.72	6499.37	109.91	-29.09	-835.66	2.47	456262.79	637654.34	N 32 15 14.25 W 104	1 18.34
	6687.00	15.06	235.84	6570.03	120.90	-38.61	-851.30	2.47	456253.28	637638.70	N 32 15 14.15 W 104	1 18.52
	6782.00	14.98	231.94	6661.79	137.25	-53.10	-871.18	1.07	456238.78	637618.83	N 32 15 14.01 W 104	1 18.75
	6877.00	12.87	230.48	6753.99	153.22	-67.41	-889.01	2.25	456224.48	637601.00	N 32 15 13.87 W 104	1 18.96
	6972.00	10.97	226.37	6846.94	167.55	-80.38	-903.71	2.19	456211.51	637586.29	N 32 15 13.74 W 104	1 19.13
KOP Actual	7067.00	9.26	233.53	6940.46	179.51	-91.16	-916.40	2.23	456200.73	637573.60	N 32 15 13.64 W 104	1 19.28
	7162.00	9.26	237.50	7034.23	189.34	-99.81	-929.00	0.67	456192.08	637561.01	N 32 15 13.55 W 104	1 19.43
	7195.00	10.09	234.65	7066.76	192.87	-102.91	-933.59	2.90	456188.98	637556.41	N 32 15 13.52 W 104	1 19.48
	7327.00	17.82	220.48	7194.80	217.05	-125.00	-956.18	6.36	456166.89	637533.83	N 32 15 13.30 W 104	1 19.75
	7422.00	25.21	204.74	7283.19	248.14	-154.50	-974.12	9.81	456137.39	637515.89	N 32 15 13.01 W 104	1 19.96
	7517.00	36.20	197.60	7364.77	294.85	-199.77	-991.13	12.17	456092.13	637498.88	N 32 15 12.56 W 104	1 20.15
	7612.00	48.25	198.13	7434.99	357.10	-260.41	-1010.71	12.69	456031.49	637479.30	N 32 15 11.96 W 104	1 20.38
1st Bone Spring Intersection	7677.06	53.58	197.54	7476.00	406.43	-308.47	-1026.16	8.22	455983.43	637463.85	N 32 15 11.49 W 104	1 20.57
	7707.00	56.03	197.30	7493.25	430.37	-331.81	-1033.49	8.22	455960.10	637456.53	N 32 15 11.26 W 104	1 20.65
	7801.00	62.98	185.88	7541.04	510.70	-410.97	-1049.43	12.80	455880.95	637440.59	N 32 15 10.47 W 104	1 20.84
	7896.00	67.75	178.36	7579.92	597.11	-497.49	-1052.50	9.43	455794.43	637437.52	N 32 15 9.62 W 104	1 20.88
	7991.00	75.73	175.62	7608.88	686.50	-587.77	-1047.71	7.84	455704.16	637442.30	N 32 15 8.73 W 104	1 20.83
	8086.00	79.46	178.53	7629.29	778.25	-680.40	-1043.00	4.94	455611.53	637447.02	N 32 15 7.81 W 104	1 20.77
	8181.00	88.22	185.22	7639.49	872.36	-774.66	-1046.13	11.57	455517.29	637443.89	N 32 15 6.88 W 104	1 20.81
	8276.00	93.35	186.76	7638.19	967.31	-869.09	-1056.03	5.64	455422.86	637433.98	N 32 15 5.94 W 104	1 20.93
	8371.00	91.56	182.77	7634.11	1062.19	-963.66	-1063.91	4.60	455328.30	637426.10	N 32 15 5.01 W 104	1 21.03
	8545.00	90.57	181.33	7630.88	1235.83	-1137.51	-1070.14	1.00	455154.47	637419.88	N 32 15 3.29 W 104	1 21.11
	8735.00	90.95	176.08	7628.36	1424.39	-1327.38	-1065.85	2.77	454964.61	637424.17	N 32 15 1.41 W 104	1 21.06
	8830.00	90.16	179.79	7627.44	1518.53	-1422.29	-1062.42	3.99	454869.70	637427.59	N 32 15 0.47 W 104	1 21.03
	8924.00	90.26	178.43	7627.09	1611.93	-1516.28	-1060.96	1.45	454775.73	637429.05	N 32 14 59.54 W 104	1 21.01
	9114.00	90.88	179.98	7625.20	1800.75	-1706.24	-1058.33	0.88	454585.78	637431.69	N 32 14 57.66 W 104	1 20.99
	9302.00	90.67	180.32	7622.66	1987.89	-1894.23	-1058.82	0.21	454397.81	637431.20	N 32 14 55.80 W 104	1 21.00
	9395.00	90.57	178.55	7621.65	2080.35	-1987.21	-1057.90	1.91	454304.83	637432.11	N 32 14 54.88 W 104	1 20.99
	9580.00	89.67	180.65	7621.27	2264.34	-2172.19	-1056.61	1.23	454119.86	637433.41	N 32 14 53.05 W 104	1 20.98
	9768.00	89.95	178.71	7621.88	2449.35	-2358.18	-1055.57	1.05	453933.89	637434.44	N 32 14 51.21 W 104	1 20.98
	9951.00	88.81	181.46	7623.89	2633.48	-2543.15	-1055.85	1.61	453748.94	637434.17	N 32 14 49.38 W 104	1 20.99
	10137.00	90.33	177.97	7625.28	2818.47	-2729.11	-1054.92	2.05	453563.00	637435.10	N 32 14 47.54 W 104	1 20.98
	10322.00	89.02	177.74	7626.33	3001.79	-2913.97	-1048.00	0.72	453378.15	637442.02	N 32 14 45.71 W 104	1 20.91
	10508.00	92.63	181.83	7623.65	3186.76	-3099.88	-1047.30	2.93	453192.25	637442.72	N 32 14 43.87 W 104	1 20.91
	10696.00	92.05	181.07	7615.98	3374.12	-3287.66	-1052.05	0.51	453004.49	637437.97	N 32 14 42.01 W 104	1 20.97
	10885.00	89.09	179.31	7614.10	3562.25	-3476.62	-1052.67	1.82	452815.54	637437.34	N 32 14 40.14 W 104	1 20.98
	11070.00	89.50	181.15	7615.27	3656.83	-3571.61	-1053.06	1.98	452720.56	637436.96	N 32 14 39.20 W 104	1 20.99
	11265.00	91.94	182.81	7612.88	3846.42	-3761.46	-1059.62	1.55	452530.73	637430.40	N 32 14 37.32 W 104	1 21.07
	11455.00	89.98	180.38	7611.29	3941.17	-3956.40	-1062.26	3.29	452345.80	637427.76	N 32 14 36.38 W 104	1 21.11
	11645.00	91.50	181.22	7608.83	4130.49	-4046.36	-1064.91	0.91	452245.85	637425.10	N 32 14 34.50 W 104	1 21.14
	11830.00	88.16	187.10	7608.73	4478.06	-4393.51	-1066.14	1.25	452056.04	637417.93	N 32 14 32.62 W 104	1 21.23
	11929.00	87.02	186.33	7614.03	4603.92	-4518.53	-1100.86	2.79	451898.73	637403.88	N 32 14 31.07 W 104	1 21.40
Exit Target Box	12018.00	90.60	180.62	7615.68	4692.79	-4607.29	-1106.25	1.09	451773.72	637389.16	N 32 14 29.83 W 104	1 21.58
	12024.00	90.84	180.24	7615.80	4698.77	-4613.29	-1106.30	7.57	451684.96	637383.77	N 32 14 28.95 W 104	1 21.64
Enter Target Box	12049.00	89.58	178.86	7615.71	4723.63	-4638.29	-1106.10	7.46	451653.97	637383.92	N 32 14 28.65 W 104	1 21.64
	12119.00	86.06	175.00	7618.38	4792.77	-4708.12	-1102.36	7.46	451584.15	637387.66	N 32 14 27.96 W 104	1 21.60
	12214.00	87.33	174.88	7623.85	4885.98	-4802.59	-1094.00	1.34	451489.69	637396.02	N 32 14 27.02 W 104	1 21.51
	12309.00	89.05	176.67	7626.85	4979.55	-4897.27	-1087.00	2.61	451395.01	637403.01	N 32 14 26.08 W 104	1 21.43
	12499.00	89.33	176.42	7629.54	5167.18	-5086.91	-1075.56	0.20	451205.39	637414.46	N 32 14 24.21 W 104	1 21.30
	12689.00	89.47	179.00	7631.53	5355.37	-5276.73	-1067.96	1.36	451015.58	637422.05	N 32 14 22.33 W 104	1 21.22
	12879.00	89.54	179.06	7633.17	5544.13	-5466.70	-1064.75	0.05	450825.63	637425.27	N 32 14 20.45 W 104	1 21.19
	13068.00	89.47	177.37	7634.80	5731.57	-5655.59	-1058.86	0.89	450636.75	637431.16	N 32 14 18.58 W 104	1 21.13
	13258.00	89.98	177.51	7635.72	5919.66	-5845.40	-1050.38	0.28	450446.96	637439.64	N 32 14 16.70 W 104	1 21.03
	13353.00	89.05	179.24	7636.52	6013.91	-5940.35	-1047.68	2.07	450352.02	637442.33	N 32 14 15.76 W 104	1 21.01
	13447.00	88.47	175.83	7638.55	6106.95	-6034.23	-1043.64	3.68	450258.15	637446.38	N 32 14 14.83 W 104	1 20.96
	13542.00	90.95	177.22	7639.03	6200.76	-6129.04	-1037.88	2.99	450163.34	637452.13	N 32 14 13.89 W 104	1 20.90
	13637.00	90.95	179.88	7637.46	6295.03	-6223.99	-1035.48	2.80	450068.40	637454.54	N 32 14 12.95 W 104	1 20.87
	13732.00	89.74	183.66	7636.89	6389.80	-6318.93	-1038.41	4.18	449973.47	637451.60	N 32 14 12.01 W 104	1 20.91
	13827.00	90.22	178.52	7636.92	6484.48	-6413.88	-1040.22	5.43	449878.53	637449.80	N 32 14 11.08 W 104	1 20.94
	13922.00	91.32	181.43	7635.64	6579.01	-6508.86	-1040.18	3.27	449783.56	637449.81	N 32 14 10.14 W 104	1 20.94
	14017.00	91.39	180.77	7633.40	6673.70	-6603.81	-1042.00	0.70	449688.61	637448.01	N 32 14 9.20 W 104	1 20.96
	14111.00	88.68	178.39	7633.34	6767.17	-6697.79	-1041.31	3.84	449594.64	637448.70	N 32 14 8.27 W 104	1 20.96
	14206.00	91.22	182.12	7633.42	6861.74	-6792.77	-1041.74	4.75	449499.67	637448.28	N 32 14 7.33 W 104	1 20.97
	14301.00	90.95	178.06	7631.62	6956.27	-6887.73	-1041.88	4.28	449404.72	637448.13	N 32 14 6.39 W 104	1 20.97
	14396.00	93.15	180.55	7628.22	7050.63	-6982.65	-1040.73	3.50	449309.80	637449.28	N 32 14 5.45 W 104	1 20.96
	14491.00	94.36	177.64	7622.00	7144.81	-7077.42	-1039.24	3.31	449215.04	637450.78	N 32 14 4.51 W 104	1 20.95
	14586.00	91.74	179.38	7616.95	7238.95	-7172.24	-1036.77	3.31	449120.23	637453.24	N 32 14 3.57 W 104	1 20.92
	14681.00	90.95	178.52	7614.72	7333.29	-7267.20	-1035.03	1.23	449025.28	637454.98	N 32 14 2.63 W 104	1 20.90
	14776.00	88.50	180.53	7615.17	7427.75	-7362.18	-1034.24	3.34	448930.30	637455.77	N 32 14 1.69 W 104	1 20.90
	14871.00	88.51	179.33	7617.65	7522.26	-7457.15	-1034.13	1.26	448835.34	637455.89	N 32 14 0.75 W 104	1 20.90
	14966.00	89.60	181.93	7619.22	7616.88	-7552.12	-1035.17	2.97	448740.38	637454.84	N 32 13 59.81 W 104	1 20.92
	15061.00	89.16	179.74	7620.25	7711.55	-7647.10	-1036.56	2.35	448645.41	637453.46	N 32 13 58.87 W 104	1 20.93
	15155.00	90.40	181.11	7620.61	7805.17	-7741.09	-1037.25	1.97	448551.42	637452.76	N 32 13 57.94 W 104	1 20.95
	15250.00	90.22	178.94	7620.09	7899.72	-7836.08	-1037.29	2.29	448456.44	637452.72	N 32 13 57.00 W 104	1 20.95
	15345.00	92.15	181.25	7618.13	7994.25							

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 ° ' ")
Final MWD	17907.00	89.60	180.59	7635.57	10545.38	-10492.16	-1058.74	1.03	445800.58	637431.28	N 32 13 30.72 W 104 1 21.29	
Proj to TD	17959.00	89.60	180.59	7635.93	10597.18	-10544.16	-1059.27	0.00	445748.59	637430.75	N 32 13 30.21 W 104 1 21.30	

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 (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.500	1/98.425	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959'MD
	1	26.500	26.500	Act Stns	26.400	26.400	GYD_GC+DROP+OH-Depth Only	Original Borehole / Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959'MD
	1	26.500	17959.000	Act Stns	26.400	26.400	GYD_GC+DROP+OH	Original Borehole / Oxy Width CC 6-7 Federal Com 15H Gyro +

...Original Borehole\Oxy Width CC 6-7 Federal Com 15H Gyro + MWD 0-17959'MD