

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6170
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 30-025-45873	Pool Code 98252	Pool Name Mesa Verde; Wolfcamp
Property Code 320829	Property Name MESA VERDE WC UNIT	Well Number 11H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3568.0'

Surface Location

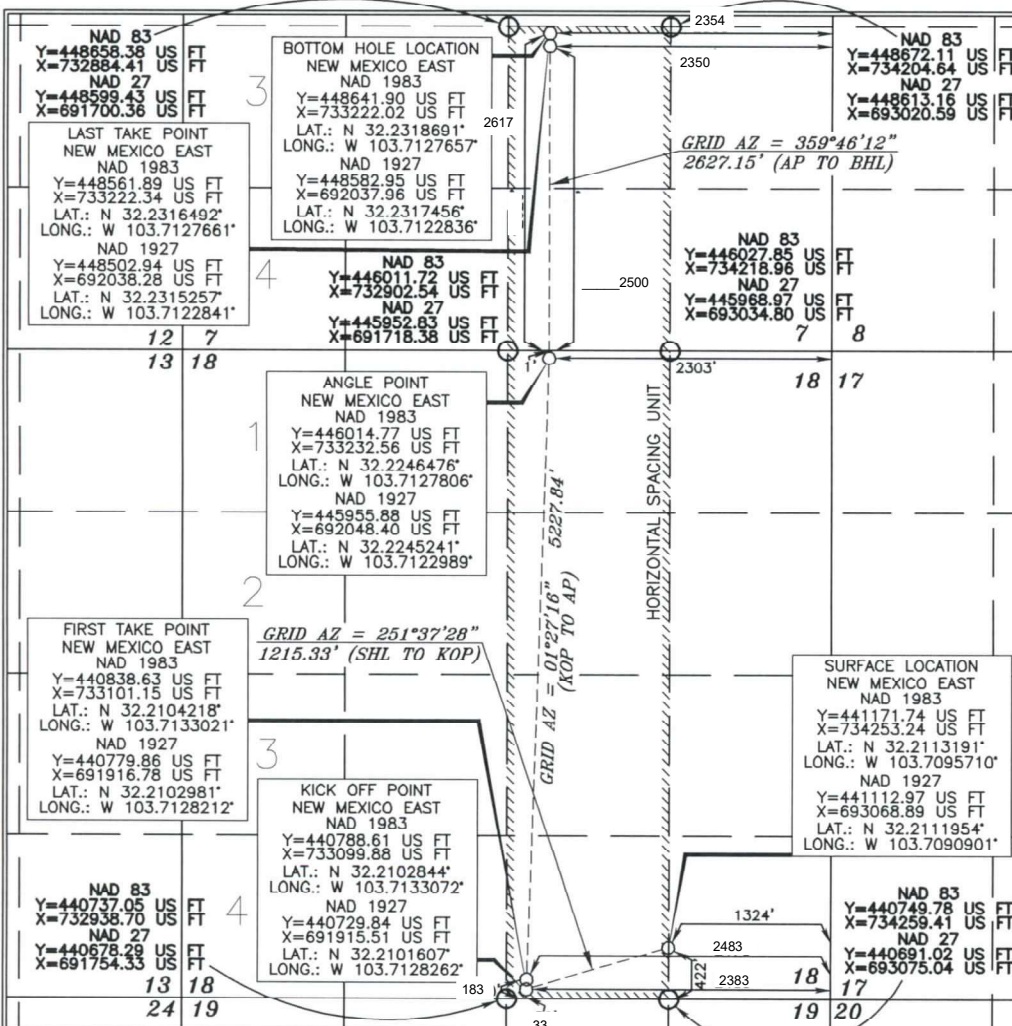
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	18	24 SOUTH	32 EAST, N.M.P.M.		422'	SOUTH	1324'	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	7	24 SOUTH	32 EAST, N.M.P.M.		2617	SOUTH	2354	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
			FTP- 183' FSL 2483' FEL LTP- 2500' FSL 2350' 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 in the division.

Signature: *[Signature]* Date: 10/7/2020

JANA MENDIOLA

Printed Name

janalyn_mendiola@oxy.com

E-mail Address

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.

Signature and Seal of Professional Surveyor: *[Signature]*
Date of Survey: DECEMBER 27 2017

Signature and Seal of Professional Surveyor: *[Signature]*

Certificate Number: 15079

Intent ☐ As Drilled ☒

REC'D 10/7/2020 - NMOCD

API # 30-025-45873		
Operator Name: OXY USA INC.	Property Name: MESA VERDE WOLFCAMP UNIT	Well Number 11H

Kick Off Point (KOP)

UL O	Section 18	Township 24S	Range 32E	Lot	Feet 33	From N/S S	Feet 2383	From E/W E	County LEA
Latitude 32.21027					Longitude -103.71300			NAD NAD83	

First Take Point (FTP)

UL O	Section 18	Township 24S	Range 32E	Lot	Feet 183	From N/S S	Feet 2483	From E/W E	County LEA
Latitude 32.21068					Longitude -103.71333			NAD NAD83	

Last Take Point (LTP)

UL J	Section 7	Township 24S	Range 32E	Lot	Feet 2500	From N/S S	Feet 2350	From E/W E	County LEA
Latitude 32.23155					Longitude -103.71275			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)

REC'D 10/7/2020 - NMOCD

Schlumberger

KZ

September 2, 2020

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

Re:

18, 24S, 32E, Lea NM
N 32.21132 W -103.70957

CLIENT: OXY USA Incorporated
WELL: Mesa Verde WC Unit 11H
FIELD: Wolfcamp

RIG: Pioneer 82
COUNTY: Lea
API NO: 30-025-45873
JOB NO: 20MLI1015

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>
Kelly Snyder FE	Mesa Verde WC Unit 11H Original Hole	993.50 Ft to 20006.00 Ft	February 13, 2020 to September 2, 2020	Slimpulse Xbolt

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Schlumberger-Private

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)



Well Reference:
18, 24S, 32E, Lea NM
N 32.21132 W -103.70957

I, Kelly Snyder certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of February 13, 2020 through September 02, 2020, conduct or supervise the taking of the Slimpulse & Xbolt surveys from a depth of 993.5.00 feet to a depth of 20006.00 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 Mesa Verde WC Unit 11H Well (Original Hole) API No. 30-025-45873 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
Kelly Snyder
FE

Subscribed and Sworn to before me this _____ day of _____ (month) _____ (yr)

My Commission expires:

_____- (signature)
Notary Public

(County State)

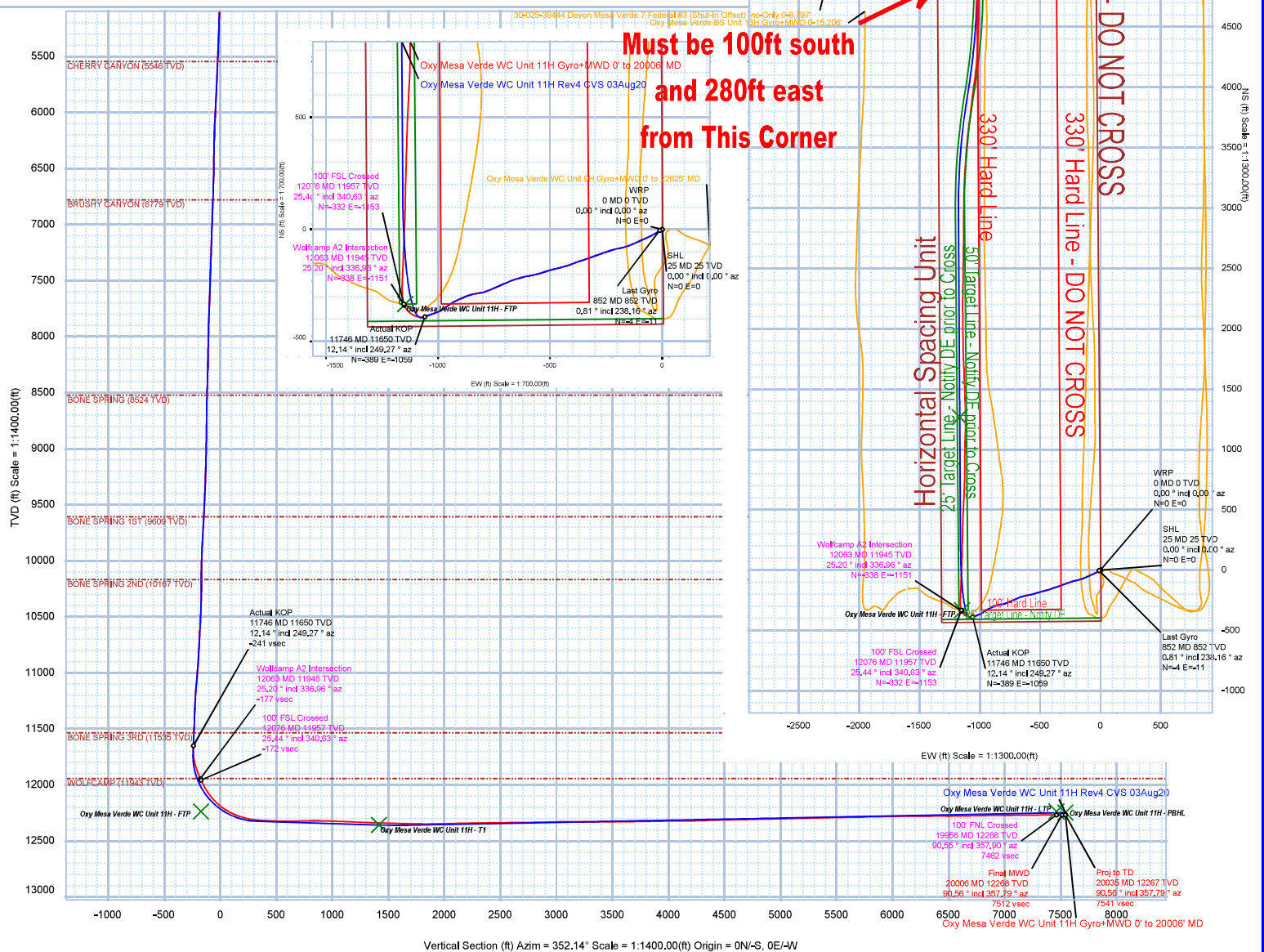


OXY



Borehole: Original Borehole				Well: Oxy Mesa Verde WC Unit 11H				Field: NM Lea County (NAD 83)				Structure: Oxy Mesa Verde WC Unit 11H							
Gravity & Magnetic Parameters								Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model: IFR1		Dip: 59.795°		Date: 26-Aug-2020				Lat: N 32 12 40.75		Northing: 441171.74HUS		Grid Conv: 0.3325°		Sjt: Oxy Mesa Verde WC Unit 11H		TVD Ref: RKB = 25'(3593ft above MSL)			
MagDec: 6.546°		FS: 47763.3nT		Gravity FS: 998.43mgn (9.80665 Based)				Lon: W 103 42 34.46		Easting: 734263.24HUS		Scale Fact: 0.99995172		Plan: Oxy Mesa Verde WC Unit 11H Gyro+MWD 0' to 20006' MD					

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
WRP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
Last Gyro	852.00	0.81	238.16	851.92	-2.29	-3.78	-10.67	0.30
Actual KOP	11746.00	12.14	249.27	11650.41	-240.84	-389.23	-1058.51	1.43
Wolfcamp A2 Intersection	12062.77	25.20	336.96	11945.00	-177.22	-337.71	-1150.54	11.99
100' FSL Crossed	12076.00	25.44	340.63	11956.96	-171.71	-332.44	-1152.59	11.99
100' FNL Crossed	19956.00	90.55	357.90	12268.25	7462.08	7391.07	-1027.07	0.21
Final MWD	20006.00	90.56	357.79	12267.76	7511.83	7441.03	-1028.95	0.21
Proj to TD	20035.00	90.56	357.79	12267.48	7540.69	7470.01	-1030.07	0.00



Oxy Mesa Verde WC Unit 11H Gyro+MWD 0' to 20006' MD Survey Geodetic Report (Def Survey)

Report Date: September 07, 2020 - 03:31 PM
Client: OXY
Field: NM Lea County (NAD 83)
Structure / Slot: Oxy Mesa Verde WC Unit 11H / Oxy Mesa Verde WC Unit 11H
Well: Oxy Mesa Verde WC Unit 11H
Borehole: Original Borehole
UWI / API#: Unknown / 304225-45873
Survey Name: Oxy Mesa Verde WC Unit 11H Gyro+MWD 0' to 20006' MD
Survey Date: July 29, 2020
Tort / AHD / DDI / ERD Ratio: 228,299' * / 8072,946 ft / 6,526 / 0.735
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 40.74893", W 103° 42' 34.45568"
Location Grid N/E Y/X: N 441171,740 RUS, E 734253,240 RUS
CRS Grid Convergence Angle: 0.3325 °
Grid Scale Factor: 0.99995172
Version / Patch: 2.10,820.4

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 352.141 ° (Grid North)
Vertical Section Origin: 0,000 ft, 0,000 ft
TVD Reference Datum: RKB = 25'
TVD Reference Elevation: 3593,000 ft above MSL
Seabed / Ground Elevation: 5,546'
Magnetic Declination: 4.10
Total Gravity Field Strength: 988.4301mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47763,300 nT
Magnetic Dip Angle: 59.795 °
Declination Date: August 26, 2020
Magnetic Declination Model: IFR1
North Reference: Grid North
Grid Convergence Used: 0.3325 °
Total Corr Mag North-Grid North: 6.2135 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
WRP SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	441171.74	734253.24	N 32 12 40.75	W 103 42 34.46
	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	441171.74	734253.24	N 32 12 40.75	W 103 42 34.46
	73.00	0.62	227.03	73.00	-0.15	-0.18	-0.19	1.29	0.26	227.03	441171.56	734253.05	N 32 12 40.75	W 103 42 34.46
	103.00	0.89	237.74	103.00	-0.34	-0.41	-0.51	1.01	0.65	230.84	441171.33	734252.73	N 32 12 40.74	W 103 42 34.46
	191.00	0.83	248.38	190.99	-0.77	-1.01	-1.68	0.19	1.96	238.89	441170.73	734251.56	N 32 12 40.74	W 103 42 34.48
	273.00	0.87	247.41	272.98	-1.07	-1.47	-2.80	0.05	3.17	242.33	441170.27	734250.44	N 32 12 40.73	W 103 42 34.49
	368.00	0.80	251.96	367.97	-1.37	-1.95	-4.10	0.10	4.54	244.54	441169.79	734249.14	N 32 12 40.73	W 103 42 34.50
	462.00	0.75	256.80	461.96	-1.55	-2.30	-5.32	0.09	5.60	246.67	441169.44	734247.92	N 32 12 40.73	W 103 42 34.52
	557.00	0.95	267.46	556.95	-1.53	-2.47	-6.71	0.27	7.16	249.78	441169.27	734246.53	N 32 12 40.72	W 103 42 34.53
	652.00	0.77	258.92	651.94	-1.49	-2.63	-8.13	0.23	8.54	252.07	441169.11	734245.11	N 32 12 40.72	W 103 42 34.55
Last Gyro	746.00	0.84	243.29	745.94	-1.75	-3.08	-9.36	0.24	9.85	251.90	441168.68	734243.88	N 32 12 40.72	W 103 42 34.56
	841.00	0.78	239.20	840.92	-2.23	-3.71	-10.54	0.09	11.17	250.63	441168.03	734242.70	N 32 12 40.71	W 103 42 34.58
	932.00	0.81	238.16	931.92	-2.29	-3.78	-10.67	0.30	11.32	250.47	441167.96	734242.57	N 32 12 40.71	W 103 42 34.58
	993.50	0.07	30.79	993.41	-2.63	-4.24	-11.48	0.62	12.23	249.73	441167.50	734241.76	N 32 12 40.71	W 103 42 34.59
	1084.50	0.28	319.26	1084.41	-2.40	-4.02	-11.59	0.29	12.27	250.87	441167.72	734241.65	N 32 12 40.71	W 103 42 34.59
	1175.50	0.12	162.52	1175.41	-2.31	-3.94	-11.71	0.43	12.36	251.38	441167.80	734241.53	N 32 12 40.71	W 103 42 34.59
	1267.50	0.08	233.22	1267.41	-2.43	-4.07	-11.73	0.13	12.42	250.85	441167.67	734241.51	N 32 12 40.71	W 103 42 34.59
	1447.50	0.08	332.04	1447.41	-2.37	-4.04	-11.89	0.07	12.56	251.24	441167.70	734241.35	N 32 12 40.71	W 103 42 34.59
	1538.50	0.15	72.71	1538.41	-2.30	-3.95	-11.81	0.20	12.45	251.51	441167.79	734241.43	N 32 12 40.71	W 103 42 34.59
	1632.50	0.10	147.34	1632.41	-2.35	-3.98	-11.65	0.17	12.31	251.13	441167.76	734241.59	N 32 12 40.71	W 103 42 34.59
	1727.50	0.12	29.74	1727.41	-2.35	-3.96	-11.55	0.20	12.21	251.06	441167.78	734241.69	N 32 12 40.71	W 103 42 34.59
	1822.50	0.15	257.65	1822.41	-2.28	-3.90	-11.62	0.26	12.26	251.44	441167.84	734241.62	N 32 12 40.71	W 103 42 34.59
	2012.50	0.32	16.65	2012.41	-1.81	-3.45	-11.72	0.22	12.21	253.60	441168.29	734241.53	N 32 12 40.72	W 103 42 34.59
	2107.50	0.08	166.05	2107.41	-1.64	-3.26	-11.52	0.41	12.07	254.34	441168.48	734241.62	N 32 12 40.72	W 103 42 34.59
	2202.50	0.17	63.45	2202.41	-1.66	-3.26	-11.48	0.21	11.93	254.15	441168.48	734241.76	N 32 12 40.72	W 103 42 34.59
	2297.50	0.10	182.08	2297.41	-1.70	-3.28	-11.36	0.25	11.82	253.89	441168.46	734241.88	N 32 12 40.72	W 103 42 34.59
	2392.50	0.20	154.12	2392.41	-1.94	-3.51	-11.29	0.13	11.82	252.72	441168.23	734241.95	N 32 12 40.71	W 103 42 34.59
	2487.50	0.18	225.29	2487.41	-2.18	-3.77	-11.32	0.23	11.93	251.60	441167.97	734241.92	N 32 12 40.71	W 103 42 34.59
	2677.50	0.15	141.58	2677.41	-2.58	-4.17	-11.38	0.12	12.12	249.87	441167.57	734241.86	N 32 12 40.71	W 103 42 34.59
	2771.50	0.10	104.92	2771.41	-2.71	-4.29	-11.22	0.10	12.02	249.09	441167.45	734241.82	N 32 12 40.71	W 103 42 34.59
	2866.50	0.15	132.62	2866.41	-2.84	-4.39	-11.05	0.08	11.89	248.32	441167.35	734242.19	N 32 12 40.71	W 103 42 34.58
	2961.50	0.15	255.32	2961.41	-2.95	-4.51	-11.08	0.28	11.96	247.86	441167.23	734242.16	N 32 12 40.70	W 103 42 34.58
	3056.50	0.15	125.23	3056.41	-3.05	-4.61	-11.10	0.29	12.02	247.43	441167.13	734242.14	N 32 12 40.70	W 103 42 34.59
	3151.50	0.22	220.42	3151.41	-3.26	-4.82	-11.12	0.29	12.12	246.54	441166.92	734242.12	N 32 12 40.70	W 103 42 34.59
	3246.50	0.15	329.60	3246.41	-3.43	-5.03	-11.34	0.09	12.40	246.07	441166.71	734241.90	N 32 12 40.70	W 103 42 34.59
	3341.50	0.23	301.82	3341.41	-3.37	-5.00	-11.60	0.23	12.63	246.68	441166.74	734241.64	N 32 12 40.70	W 103 42 34.59
	3436.50	0.10	35.95	3436.41	-3.19	-4.83	-11.72	0.27	12.67	247.58	441166.91	734241.52	N 32 12 40.70	W 103 42 34.59
	3531.50	0.11	53.24	3531.41	-3.08	-4.71	-11.59	0.03	12.52	247.88	441167.03	734241.65	N 32 12 40.70	W 103 42 34.59
	3721.50	0.20	129.62	3721.41	-3.24	-4.81	-11.19	0.11	12.18	246.72	441166.93	734242.05	N 32 12 40.70	W 103 42 34.59
	3816.50	0.15	264.35	3816.41	-3.36	-4.93	-11.19	0.34	12.23	246.21	441166.81	734242.05	N 32 12 40.70	W 103 42 34.59
	4006.50	0.12	151.32	4006.41	-3.53	-5.13	-11.34	0.12	12.45	245.65	441166.61	734241.90	N 32 12 40.70	W 103 42 34.59
	4101.50	0.17	146.51	4101.41	-3.75	-5.34	-11.22	0.05	12.42	244.55	441166.40	734242.03	N 32 12 40.70	W 103 42 34.59
	4196.50	0.13	261.03	4196.41	-3.88	-5.47	-11.24	0.27	12.50	244.05	441166.27	734242.00	N 32 12 40.70	W 103 42 34.59
	4291.50	0.10	51.89	4291.41	-3.84	-5.44	-11.29	0.23	12.53	244.28	441166.30	734241.96	N 32 12 40.70	W 103 42 34.59
	4386.50	0.08	100.10	4386.41	-3.82	-5.40	-11.25	0.08	12.39	244.18	441166.34	734242.09	N 32 12 40.70	W 103 42 34.59
	4575.50	0.12	253.10	4575.40	-3.89	-5.48	-11.21	0.10	12.58	243.97	441166.28	734242.03	N 32 12 40.70	W 103 42 34.59
	4670.50	0.15	83.64	4670.40	-3.91	-5.49	-11.19	0.28	12.46	243.85	441166.25	734242.05	N 32 12 40.70	W 103 42 34.59
	4765.50	0.25	78.47	4765.40	-3.90	-5.44	-10.86	0.11	12.14	243.40	441166.30	734242.38	N 32 12 40.70	W 103 42 34.58
	4860.50	0.82	235.82	4860.40	-4.19	-5.78	-11.22	1.11	12.62	242.75	441165.96	734242.02	N 32 12 40.69	W 103 42 34.59
	4955.50	1.79	236.10	4955.38	-5.14	-6.59	-13.01	1.02	14.77	241.76	441164.75	734240.23	N 32 12 40.68	W 103 42 34.61
5050.50	2.73	232.69	5050.30	-6.91	-8.19	-16.04	1.00	18.49	240.20	441162.55	734237.20	N 32 12 40.56	W 103 42 34.64	
5145.50	3.81	238.92	5145.15	-12.19	-15.45	-21.19	1.30	23.89	239.33	441159.55	734232.70	N 32 12 40.55	W 103 42 34.70	
5240.50	4.96	240.13	5239.87	-12.05	-15.86	-26.81	1.21	31.15	239.39	441155.88	734226.43	N 32 12 40.59	W 103 42 34.77	
5335.50	5.79	242.76	5334.45	-15.18	-20.10	-34.63	0.91	40.04	239.87	441151.64	734218.61	N 32 12 40.55	W 103 42 34.86	
5430.50	6.88	240.79	5428.87	-18.84	-25.07	-43.86	1.17	50.52	240.25	441146.67	734209.38	N 32 12 40.50	W 103 42 34.97	
5525.50	7.25	243.39	5523.14	-22.84	-30.53	-54.19	0.51	62.20	240.60	441141.21	734199.06	N 32 12 40.46	W 103 42 35.09	
5620.50	8.32	245.21	5617.27	-26.17	-35.10	-65.79	1.16	75.04	241.24	441136.64	734187.97	N 32 12 40.41	W 103 42 35.22	
5715.50	9.40	246.60	5711.13	-30.85	-42.06	-79.15	1.16	89.63	242.01	441128.68	734174.10	N 32 12 40.34	W 103 42 35.38	
5810.50	9.94	245.96	5804.78	-35.21	-48.48	-93.75	0.58	105.55	242.65	441123.26	734159.49	N 32 12 40.27	W 103 42 35.55	
5905.50	9.72	244.88	5898.39	-39.87	-55.23	-108.50	0.30	121.75	243.02	441116.51	734144.74	N 32 12 40.21	W 103 42 35.72	
5999.50	9.67	246.16	5991.05	-44.40	-61.79	-122.91	0.24	137.57	243.31	441109.55	734130.34	N 32 12 40.14	W 103 42 35.89	
6094.50	9.81	246.27	6084.68	-48.54	-68.01	-137.73	0.40	153.60	243.72	441103.73	734115.52	N 32 12 40.08	W 103 42 36.06	
6189.50	9.44	250.12	6178.34	-52.10	-73.66	-152.57	0.51	169.42	244.23	441093.89	734100.88	N 32 12 40.03	W 103 42 36.24	
6284.50	9.53	254.84	6272.04	-54.72	-76.36	-167.49	0.82	184.91	244.93	441093.38	734085.76	N 32 12 39.98	W 103 42 36.41	
6379.50	9.81	257.85	6365.69	-56.33	-82.12	-182.99	0.61	200.57						

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	10367.50	10.86	259.18	10293.98	-168.96	-287.12	-837.14	0.66	885.01	251.07	440884.63	733416.15	N 32 12 37.96	W 103 42 44.22
	10461.50	11.01	253.10	10386.27	-171.83	-291.40	-854.42	1.24	902.75	251.17	440880.36	733398.86	N 32 12 37.91	W 103 42 44.42
	10556.50	10.92	249.69	10479.54	-175.19	-297.16	-871.54	0.69	920.81	251.17	440874.60	733381.74	N 32 12 37.86	W 103 42 44.62
	10651.50	10.71	246.15	10572.85	-179.57	-303.85	-888.06	0.73	938.60	251.11	440867.91	733365.23	N 32 12 37.79	W 103 42 44.81
	10746.50	9.78	246.79	10666.34	-184.27	-310.73	-903.49	0.98	955.43	251.02	440861.03	733349.80	N 32 12 37.73	W 103 42 44.99
	10841.50	9.65	244.31	10759.98	-188.98	-317.49	-918.02	0.70	971.27	250.92	440854.27	733333.64	N 32 12 37.66	W 103 42 45.16
	10936.50	9.87	241.54	10853.60	-194.28	-324.82	-932.36	0.55	987.32	250.79	440846.94	733317.09	N 32 12 37.59	W 103 42 45.33
	11031.50	9.73	234.68	10947.22	-200.85	-333.34	-946.06	1.24	1003.07	250.59	440838.42	733307.22	N 32 12 37.50	W 103 42 45.49
	11126.50	9.82	235.64	11040.84	-208.17	-342.55	-959.30	0.20	1018.63	250.35	440829.20	733293.99	N 32 12 37.41	W 103 42 45.64
	11221.50	9.60	234.41	11134.48	-215.47	-351.74	-972.43	0.32	1034.09	250.11	440820.02	733280.86	N 32 12 37.32	W 103 42 45.80
Actual KOP	11316.50	9.93	239.13	11228.10	-222.36	-360.55	-985.90	0.91	1049.76	249.91	440811.21	733267.38	N 32 12 37.24	W 103 42 45.95
	11411.50	10.14	247.81	11321.66	-227.63	-367.91	-1000.68	1.61	1066.17	249.81	440803.85	733252.61	N 32 12 37.17	W 103 42 46.13
	11506.50	10.29	251.45	11415.15	-231.27	-373.77	-1016.47	0.70	1083.01	249.81	440797.99	733236.82	N 32 12 37.11	W 103 42 46.31
	11613.50	10.25	249.42	11520.44	-235.14	-380.16	-1034.44	0.34	1102.08	249.82	440791.60	733218.85	N 32 12 37.05	W 103 42 46.52
	11746.00	12.14	249.27	11650.41	-240.84	-389.23	-1058.51	1.43	1127.80	249.81	440782.53	733194.78	N 32 12 36.96	W 103 42 46.80
	11841.00	20.18	277.83	11741.72	-238.63	-390.54	-1084.16	11.67	1152.36	250.19	440781.22	733169.13	N 32 12 36.96	W 103 42 47.10
	11935.00	24.53	302.79	11828.63	-221.49	-377.73	-1116.72	11.01	1178.87	251.31	440779.03	733136.58	N 32 12 37.08	W 103 42 47.48
	12030.00	25.02	307.70	11915.32	-190.27	-349.99	-1141.11	10.93	1196.44	252.99	440821.76	733109.19	N 32 12 37.35	W 103 42 47.80
	12062.77	25.20	336.96	11945.00	-177.22	-337.71	-1150.54	11.99	1199.08	253.64	440834.05	733102.75	N 32 12 37.47	W 103 42 47.87
	12076.00	25.44	340.63	11956.96	-177.71	-332.44	-1152.59	11.99	1199.57	253.91	440839.32	733100.71	N 32 12 37.53	W 103 42 47.89
Wolfcamp A2 Intersection 100' FSL Crossed	12124.00	27.02	353.18	12000.05	-150.69	-311.87	-1157.31	11.99	1198.59	254.92	440859.89	733095.99	N 32 12 37.73	W 103 42 47.95
	12218.00	35.95	0.25	12080.34	-102.18	-263.23	-1159.73	9.87	1189.23	257.21	440906.52	733093.57	N 32 12 38.21	W 103 42 47.97
	12313.00	45.92	2.79	12152.23	-41.14	-201.36	-1157.32	11.05	1175.32	257.14	440970.38	733095.36	N 32 12 38.21	W 103 42 47.95
	12408.00	56.20	2.07	12211.86	31.47	-127.63	-1154.85	10.84	1161.88	263.69	441044.11	733098.45	N 32 12 39.55	W 103 42 47.91
	12502.00	65.65	2.35	12257.48	112.27	-45.63	-1151.67	10.06	1152.58	267.73	441126.11	733101.62	N 32 12 40.36	W 103 42 47.86
	12597.00	74.85	2.43	12289.55	200.16	43.60	-1147.95	9.68	1148.78	272.18	441215.34	733105.35	N 32 12 41.25	W 103 42 47.81
	12692.00	81.23	0.37	12309.23	291.84	136.46	-1145.70	7.04	1153.80	276.79	441308.19	733107.60	N 32 12 42.16	W 103 42 47.78
	12786.00	87.45	1.90	12318.50	384.18	229.94	-1143.84	6.81	1166.72	281.37	441401.66	733109.46	N 32 12 43.09	W 103 42 47.75
	12882.00	87.51	1.57	12320.08	419.64	265.48	-1142.71	6.81	1173.24	283.10	441437.61	733110.58	N 32 12 43.52	W 103 42 47.74
	12933.00	88.77	1.57	12323.68	529.06	376.78	-1139.56	1.14	1200.23	288.30	441548.50	733113.74	N 32 12 44.54	W 103 42 47.69
	13028.00	90.40	2.22	12324.37	622.68	471.72	-1136.42	1.85	1230.43	292.54	441643.44	733116.88	N 32 12 45.48	W 103 42 47.65
	13123.00	91.89	3.20	12322.47	716.04	566.59	-1131.93	1.88	1265.81	296.59	441738.30	733121.37	N 32 12 46.42	W 103 42 47.59
	13217.00	90.71	2.44	12320.34	808.39	660.45	-1127.30	1.49	1306.52	300.36	441832.16	733125.99	N 32 12 47.35	W 103 42 47.53
	13311.00	88.36	0.92	12321.10	901.28	754.40	-1124.55	2.98	1354.15	303.86	441926.10	733128.75	N 32 12 48.15	W 103 42 47.48
	13406.00	88.31	0.60	12323.86	994.96	849.35	-1123.29	0.34	1408.25	307.09	442021.05	733130.01	N 32 12 49.22	W 103 42 47.47
	13500.00	87.94	0.35	12326.94	1087.92	943.29	-1122.51	0.47	1466.23	310.04	442111.99	733130.79	N 32 12 50.15	W 103 42 47.46
	13595.00	87.69	1.10	12330.56	1181.79	1038.22	-1121.31	0.83	1528.14	312.80	442209.90	733131.99	N 32 12 51.09	W 103 42 47.44
	13690.00	87.74	2.01	12334.35	1275.43	1133.11	-1118.73	0.96	1592.32	315.37	442304.79	733134.56	N 32 12 52.03	W 103 42 47.40
	13784.00	87.68	0.47	12336.10	1368.17	1227.01	-1116.70	1.64	1659.08	317.69	442398.68	733136.50	N 32 12 52.95	W 103 42 47.37
	13879.00	88.54	356.21	12341.24	1462.37	1321.94	-1117.79	2.54	1731.18	319.78	442493.61	733136.50	N 32 12 53.89	W 103 42 47.38
	13974.00	88.68	358.15	12343.54	1556.81	1416.86	-1120.81	0.16	1806.58	321.65	442588.53	733132.49	N 32 12 54.83	W 103 42 47.41
	14068.00	88.80	358.20	12345.61	1650.27	1510.79	-1123.80	0.14	1882.93	323.36	442682.46	733129.49	N 32 12 55.76	W 103 42 47.43
	14163.00	88.58	358.12	12347.78	1744.72	1605.72	-1126.85	0.25	1961.67	324.94	442777.38	733125.45	N 32 12 56.70	W 103 42 47.46
	14257.00	90.15	356.38	12348.82	1838.33	1699.60	-1131.36	2.49	2041.72	326.35	442871.25	733121.94	N 32 12 57.63	W 103 42 47.51
	14352.00	91.32	356.67	12349.60	1934.67	1794.50	-1135.66	2.71	2126.80	327.68	442966.15	733117.83	N 32 12 58.57	W 103 42 47.56
	14447.00	90.98	359.29	12345.80	2027.21	1889.46	-1137.15	0.81	2205.26	328.96	443061.11	733116.14	N 32 12 59.51	W 103 42 47.56
	14541.00	91.42	359.95	12343.93	2120.39	1983.44	-1137.78	0.92	2286.61	330.16	443155.08	733115.52	N 32 13 0.44	W 103 42 47.56
	14635.00	90.76	358.66	12342.14	2213.63	2077.41	-1138.92	1.54	2369.13	331.27	443249.05	733114.38	N 32 13 1.37	W 103 42 47.57
	14825.00	91.09	0.98	12339.07	2401.89	2267.38	-1139.51	1.23	2537.61	333.32	443439.00	733113.78	N 32 13 3.25	W 103 42 47.57
	14919.00	90.38	0.96	12337.86	2494.77	2361.35	-1137.92	0.76	2621.23	334.27	443532.97	733115.37	N 32 13 4.18	W 103 42 47.54
	15014.00	91.01	0.77	12336.71	2588.66	2456.34	-1136.42	0.69	2705.61	335.17	443626.91	733116.81	N 32 13 5.12	W 103 42 47.52
	15108.00	91.01	0.80	12335.06	2681.50	2550.31	-1135.20	0.03	2791.55	336.01	443721.92	733118.10	N 32 13 6.05	W 103 42 47.50
	15202.00	90.80	0.86	12333.57	2774.49	2644.29	-1133.84	0.23	2877.13	336.79	443815.90	733119.64	N 32 13 6.98	W 103 42 47.47
	15296.00	91.37	0.58	12331.79	2867.42	2738.27	-1132.66	0.68	2963.28	337.53	443909.87	733120.64	N 32 13 7.91	W 103 42 47.45
	15390.00	90.44	0.24	12330.31	2960.43	2832.25	-1131.99	1.05	3050.09	338.21	444003.85	733121.31	N 32 13 8.84	W 103 42 47.44
	15485.00	90.63	0.30	12329.25	3054.47	2927.24	-1131.51	0.42	3138.52	339.87	444098.84	733121.79	N 32 13 8.72	W 103 42 47.48
	15580.00	90.18	0.30	12328.42	3148.50	3022.24	-1130.99	0.69	3226.52	339.48	444193.83	733122.32	N 32 13 8.64	W 103 42 47.42
	15675.00	88.89	1.50	12329.19	3242.38	3117.22	-1129.48	1.85	3315.54	340.08	444288.80	733123.81	N 32 13 11.66	W 103 42 47.39
	15770.00	90.06	1.96	12330.06	3336.05	3212.17	-1126.62	1.32	3404.01	340.67	444383.75	733126.68	N 32 13 12.60	W 103 42 47.35
	15864.00	90.37	4.29	12329.70	3428.32	3306.02	-1121.49	2.50	3491.06	341.26	444477.60	733131.81	N 32 13 13.53	W 103 42 47.29
	15959.00	90.40	3.78	12329.07	3521.28	3400.78	-1114.81	0.54	3578.84	341.85	444572.35	733138.49	N 32 13 14.46	W 103 42 47.20
	16053.00	90.62	0.30	12328.23	3613.19	3494.52	-1107.87	0.97	3665.53	342.81	444668.09	733145.43	N 32 13 15.39	W 103 42 47.12
	16147.00	90.18	5.98	12327.57	3704.70	3588.11	-1099.13	1.45	3752.68	342.97	444759.67	733154.17	N 32 13 16.32	W 103 42 47.01
	16242.00	91.25	7.29	12326.39	3796.67	3682.46	-1088.15	1.78	3839.87	343.54	444854.02	733165.14	N 32 13 17.25	W 103 42 46.87