District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
	[3] Reason for Filing Code/ Effective Date

[4] API Number	[5] Pool Name	[6] Pool Code
[7] Property Code	[8] Property Name	[9] Well Number

II. [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

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement

V. Well Test Data

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

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

Signature: Fatima Vasquez

Printed name:

Title:

E-mail Address:

Date: Phone:

OIL CONSERVATION DIVISION

Approved by: Kurt Simmons

Title: NMOCD, Santa Fe

Approval Date: 02/17/2021

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°11'11.99" (32.186665°)
LONGITUDE = 104°17'32.38" (104.292328°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°11'11.57" (32.186546°)
LONGITUDE = 104°17'30.58" (104.291828°)
STATE PLANE NAD 83 (N.M. EAST)
N: 431645.67' E: 554022.80'
STATE PLANE NAD 27 (N.M. EAST)
N: 431588.29' E: 512840.31'

NAD 83 (BHL/LTP)
LATITUDE = 32.182056
LONGITUDE = -104.2562

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

● = SURFACE HOLE LOCATION
◇ = LANDING POINT/FIRST TAKE POINT
O = BOTTOM HOLE LOCATION/ LAST TAKE POINT
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

1000' 500' 0' 1000'
SCALE
DRAWN BY: S.S. 11-13-19

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-46536	98220	Purple Sage; Wolfcamp (Gas)

[4] Property Code	[5] Property Name	[6] Well Number
320797	CRAWFORD 27-26 FEE	29H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3340.8'

[10] Surface Location

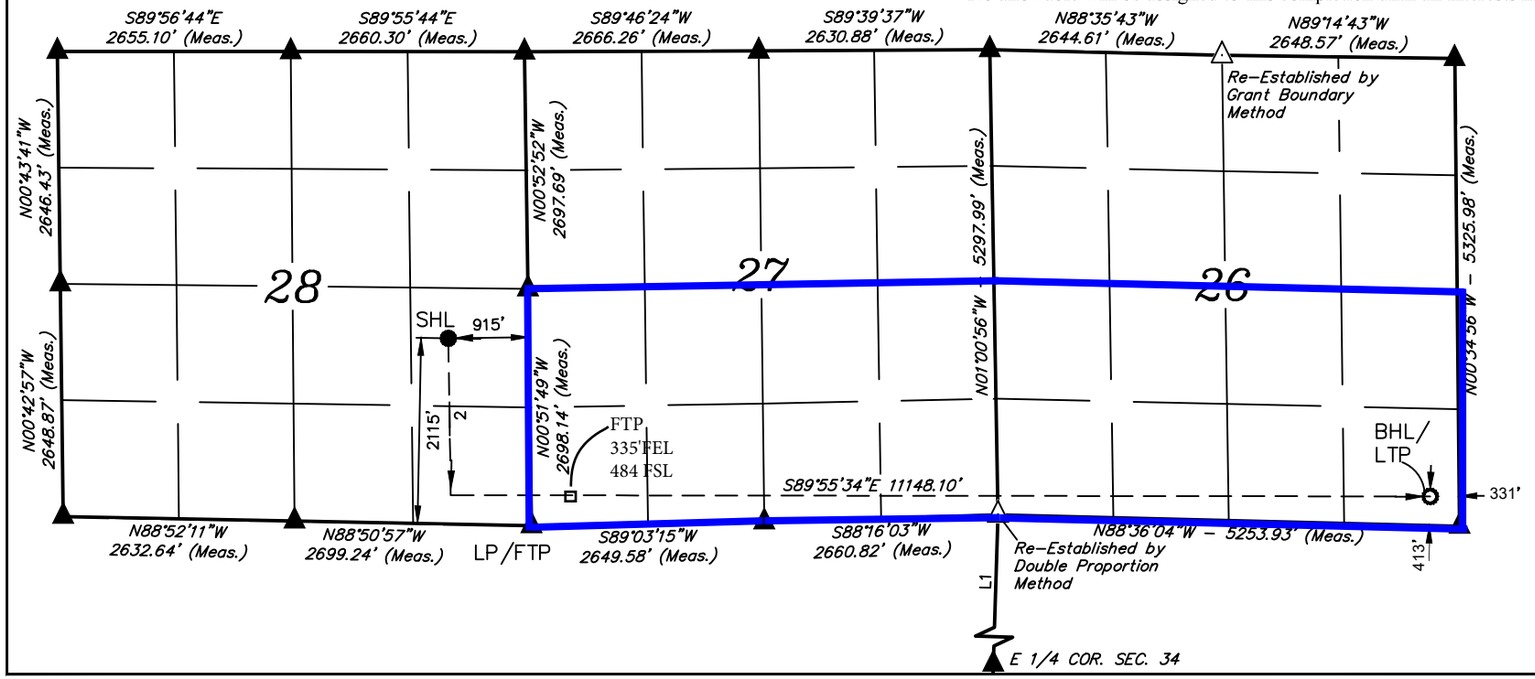
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	28	24S	26E		2115	SOUTH	915	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	26	24S	26E		413	SOUTH	331	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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.



[17] OPERATOR CERTIFICATION

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

Fatima Vasquez 01/21/2021
Signature Date

Fatima Vasquez
Printed Name

fvasquez@cimarex.com
E-mail Address

[18] 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.

November 02, 2019
Date of Survey
Signature and Seal of Professional Surveyor:

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR
11-13-19

Certificate Number:

Schlumberger

Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft (Surcon Corrected) Survey Geodetic Report

(Def Survey)

CIMAREX

Report Date:	December 17, 2020 - 10:45 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Cimarex Energy	**Vertical Section Azimuth:**	91.197 ° (Grid North)
Field:	NM Eddy County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Cimarex Crawford 27-26 Fee #29H / New Slot	**TVD Reference Datum:**	RKB
Well:	Crawford 27-26 Fee #29H	**TVD Reference Elevation:**	3363.800 ft above MSL
Borehole:	Crawford 27-26 Fee #29H	**Seabed / Ground Elevation:**	3340.800 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	7.224 °
Survey Name:	Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft (Surcon Corrected)	**Total Gravity Field Strength:**	998.4457mgn (9.80665 Based)
Survey Date:	March 01, 2020	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	270.956 ° / 12215.522 ft / 6.858 / 1.401	**Total Magnetic Field Strength:**	47714.634 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.785 °
Location Lat / Long:	N 32° 11' 11.99353", W 104° 17' 32.38132"	**Declination Date:**	March 09, 2020
Location Grid N/E Y/X:	N 431645.670 ftUS, E 554022.800 ftUS	**Magnetic Declination Model:**	HDGM 2019
CRS Grid Convergence Angle:	0.0218 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99990928	**Grid Convergence Used:**	0.0218 °
Version / Patch:	2.10.824.0	**Total Corr Mag North->Grid North:**	7.2021 °
		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 ° ' ")	Closure Azimuth (°)	Closure (ft)
SHL [2115' FSL, 915' FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	431645.67	554022.80	N 32 11 11.99	W 104 17 32.38	0.00	0.00
	219.00	0.72	234.15	218.99	-1.10	-0.81	-1.12	0.33	431644.86	554021.68	N 32 11 11.99	W 104 17 32.39	234.15	1.38
	339.00	0.37	216.47	338.99	-1.92	-1.56	-1.96	0.32	431644.11	554020.84	N 32 11 11.98	W 104 17 32.40	231.45	2.50
	404.00	0.38	198.15	403.99	-2.11	-1.93	-2.15	0.18	431643.74	554020.65	N 32 11 11.97	W 104 17 32.41	228.03	2.89
	497.00	0.37	201.08	496.99	-2.30	-2.51	-2.35	0.02	431643.16	554020.45	N 32 11 11.97	W 104 17 32.41	223.19	3.44
	591.00	0.42	192.05	590.98	-2.47	-3.13	-2.53	0.08	431642.54	554020.27	N 32 11 11.96	W 104 17 32.41	219.03	4.02
	685.00	0.38	204.40	684.98	-2.66	-3.75	-2.73	0.10	431641.92	554020.07	N 32 11 11.96	W 104 17 32.41	216.12	4.64
	779.00	0.45	200.13	778.98	-2.90	-4.38	-2.99	0.08	431641.29	554019.81	N 32 11 11.95	W 104 17 32.42	214.34	5.30
	872.00	0.44	208.04	871.98	-3.18	-5.04	-3.28	0.07	431640.64	554019.52	N 32 11 11.94	W 104 17 32.42	213.11	6.01
	965.00	1.18	135.80	964.97	-2.66	-6.04	-2.78	1.21	431639.63	554020.02	N 32 11 11.93	W 104 17 32.41	204.76	6.65
	1060.00	2.42	134.34	1059.92	-0.50	-8.14	-0.67	1.31	431637.53	554022.13	N 32 11 11.91	W 104 17 32.39	184.69	8.17
	1153.00	2.28	132.60	1152.84	2.32	-10.76	2.10	0.17	431634.91	554024.90	N 32 11 11.89	W 104 17 32.36	168.97	10.97
	1248.00	1.60	126.95	1247.79	4.82	-12.84	4.55	0.74	431632.83	554027.35	N 32 11 11.87	W 104 17 32.33	160.49	13.62
	1343.00	1.57	106.91	1342.75	7.15	-14.02	6.85	0.58	431631.65	554029.65	N 32 11 11.85	W 104 17 32.30	153.94	15.60
	1437.00	2.19	99.85	1436.70	10.16	-14.70	9.86	0.70	431630.97	554032.66	N 32 11 11.85	W 104 17 32.27	146.16	17.70
	1531.00	1.58	82.02	1530.65	13.22	-14.83	12.91	0.89	431630.85	554035.71	N 32 11 11.85	W 104 17 32.23	138.95	19.66
	1626.00	1.11	73.54	1625.62	15.39	-14.38	15.09	0.54	431631.29	554037.89	N 32 11 11.85	W 104 17 32.21	133.63	20.85
	1697.00	1.02	80.46	1696.61	16.66	-14.08	16.37	0.22	431631.59	554039.17	N 32 11 11.85	W 104 17 32.19	130.70	21.60
	1795.00	1.09	94.35	1794.59	18.45	-14.01	18.16	0.27	431631.66	554040.96	N 32 11 11.85	W 104 17 32.17	127.65	22.94
	1890.00	3.15	199.86	1889.54	18.52	-16.53	18.18	3.79	431629.14	554040.97	N 32 11 11.83	W 104 17 32.17	132.29	24.57
	1984.00	7.95	205.71	1983.08	14.99	-24.83	14.48	5.14	431620.85	554037.27	N 32 11 11.75	W 104 17 32.21	149.75	28.74
	2078.00	11.51	197.08	2075.71	9.73	-39.65	8.90	4.08	431606.02	554031.70	N 32 11 11.60	W 104 17 32.28	167.35	40.64
	2173.00	12.52	189.93	2168.64	5.57	-58.86	4.34	1.89	431586.82	554027.14	N 32 11 11.41	W 104 17 32.33	175.78	59.02
	2268.00	13.53	182.36	2261.20	3.78	-80.11	2.11	2.08	431565.57	554024.91	N 32 11 11.20	W 104 17 32.36	178.49	80.13
	2362.00	15.71	159.69	2352.22	8.23	-103.05	6.07	6.46	431542.63	554028.87	N 32 11 10.97	W 104 17 32.31	176.63	103.23
	2456.00	17.33	153.68	2442.35	19.36	-127.54	16.70	2.50	431518.15	554039.50	N 32 11 10.73	W 104 17 32.19	172.54	128.62
	2551.00	17.85	152.88	2532.91	32.80	-153.18	29.61	0.60	431492.51	554052.41	N 32 11 10.48	W 104 17 32.04	169.06	156.01
	2645.00	18.76	152.02	2622.15	47.01	-179.35	43.27	1.01	431466.34	554066.07	N 32 11 10.22	W 104 17 31.88	166.44	184.49
	2740.00	19.27	151.48	2711.96	62.23	-206.61	57.92	0.57	431439.08	554080.72	N 32 11 9.95	W 104 17 31.71	164.34	214.58
	2834.00	20.28	150.80	2800.42	78.16	-234.46	73.28	1.10	431411.23	554096.07	N 32 11 9.67	W 104 17 31.53	162.64	245.65
	2929.00	17.68	148.41	2890.25	94.30	-261.13	88.87	2.86	431384.57	554111.66	N 32 11 9.41	W 104 17 31.35	161.21	275.84

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 ° ' ")	Closure Azimuth (°)	Closure (ft)
	3024.00	16.14	145.19	2981.14	109.88	-284.26	103.96	1.90	431361.44	554126.75	N 32 11 9.18	W 104 17 31.17	159.91	302.67
	3119.00	15.60	143.65	3072.52	125.43	-305.39	119.07	0.72	431340.31	554141.86	N 32 11 8.97	W 104 17 31.00	158.70	327.78
	3213.00	14.13	146.27	3163.37	139.70	-325.11	132.94	1.72	431320.59	554155.72	N 32 11 8.78	W 104 17 30.84	157.76	351.24
	3308.00	14.05	149.14	3255.51	152.46	-344.66	145.29	0.74	431301.05	554168.08	N 32 11 8.58	W 104 17 30.69	157.14	374.03
	3403.00	14.21	151.57	3347.64	164.34	-364.81	156.76	0.65	431280.90	554179.54	N 32 11 8.38	W 104 17 30.56	156.75	397.06
	3496.00	14.24	152.38	3437.79	175.50	-384.98	167.49	0.22	431260.72	554190.28	N 32 11 8.18	W 104 17 30.43	156.49	419.84
	3590.00	13.95	152.62	3528.96	186.49	-405.29	178.06	0.31	431240.42	554200.85	N 32 11 7.98	W 104 17 30.31	156.28	442.68
	3685.00	13.07	152.61	3621.33	197.11	-424.99	188.27	0.93	431220.72	554211.05	N 32 11 7.79	W 104 17 30.19	156.11	464.83
	3780.00	12.69	152.14	3713.94	207.32	-443.76	198.09	0.41	431201.96	554220.87	N 32 11 7.60	W 104 17 30.08	155.94	485.96
	3875.00	12.35	150.51	3806.68	217.57	-461.82	207.97	0.52	431183.89	554230.75	N 32 11 7.42	W 104 17 29.96	155.76	506.49
	3970.00	12.71	149.94	3899.42	228.18	-479.71	218.20	0.40	431166.00	554240.98	N 32 11 7.25	W 104 17 29.84	155.54	527.01
	4065.00	12.81	150.90	3992.07	238.91	-497.96	228.56	0.25	431147.76	554251.34	N 32 11 7.07	W 104 17 29.72	155.35	547.91
	4159.00	12.88	150.95	4083.72	249.45	-516.22	238.72	0.08	431129.49	554261.49	N 32 11 6.88	W 104 17 29.61	155.18	568.75
	4253.00	12.63	150.29	4175.40	260.00	-534.31	248.90	0.31	431111.41	554271.67	N 32 11 6.71	W 104 17 29.49	155.02	589.44
	4348.00	12.69	150.35	4268.09	270.69	-552.40	259.21	0.06	431093.32	554281.98	N 32 11 6.53	W 104 17 29.37	154.86	610.19
	4443.00	13.39	150.71	4360.64	281.62	-571.06	269.75	0.74	431074.66	554292.52	N 32 11 6.34	W 104 17 29.25	154.72	631.56
	4536.00	13.29	151.42	4451.13	292.39	-589.84	280.13	0.21	431055.89	554302.91	N 32 11 6.16	W 104 17 29.12	154.60	652.98
	4631.00	12.76	155.54	4543.69	302.36	-608.98	289.70	1.13	431036.75	554312.47	N 32 11 5.97	W 104 17 29.01	154.56	674.37
	4726.00	12.10	158.09	4636.46	310.81	-627.77	297.76	0.90	431017.96	554320.53	N 32 11 5.78	W 104 17 28.92	154.62	694.80
	4820.00	11.39	156.99	4728.49	318.48	-645.45	305.06	0.79	431000.28	554327.84	N 32 11 5.61	W 104 17 28.83	154.70	713.91
	4914.00	11.22	157.50	4820.67	325.96	-662.44	312.19	0.21	430983.29	554334.96	N 32 11 5.44	W 104 17 28.75	154.77	732.32
	5009.00	11.04	157.42	4913.88	333.34	-679.38	319.22	0.19	430966.35	554341.99	N 32 11 5.27	W 104 17 28.67	154.83	750.64
	5104.00	10.40	159.93	5007.22	340.12	-695.83	325.66	0.83	430949.90	554348.43	N 32 11 5.11	W 104 17 28.60	154.92	768.27
	5199.00	10.31	161.44	5100.68	346.10	-711.95	331.30	0.30	430933.79	554354.07	N 32 11 4.95	W 104 17 28.53	155.05	785.26
	5294.00	9.58	161.46	5194.25	351.65	-727.50	336.52	0.77	430918.24	554359.29	N 32 11 4.79	W 104 17 28.47	155.18	801.56
	5388.00	9.17	159.28	5286.99	357.09	-741.92	341.66	0.58	430903.82	554364.43	N 32 11 4.65	W 104 17 28.41	155.27	816.81
	5483.00	9.44	154.29	5380.75	363.44	-756.02	347.72	0.90	430889.72	554370.49	N 32 11 4.51	W 104 17 28.34	155.30	832.15
	5574.00	9.38	151.33	5470.52	370.51	-769.25	354.51	0.54	430876.49	554377.28	N 32 11 4.38	W 104 17 28.26	155.26	847.01
	5668.00	11.05	150.08	5563.03	378.98	-783.78	362.68	1.79	430861.96	554385.45	N 32 11 4.24	W 104 17 28.16	155.17	863.63
	5762.00	11.49	149.27	5655.22	388.58	-799.64	371.96	0.50	430846.11	554394.73	N 32 11 4.08	W 104 17 28.06	155.05	881.91
	5857.00	13.07	152.91	5748.04	398.68	-817.33	381.69	1.85	430828.41	554404.45	N 32 11 3.90	W 104 17 27.94	154.97	902.07
	5950.00	13.95	155.59	5838.47	408.51	-836.90	391.11	1.16	430808.84	554413.87	N 32 11 3.71	W 104 17 27.83	154.95	923.78
	6043.00	15.12	152.93	5928.49	419.10	-857.91	401.26	1.45	430787.84	554424.03	N 32 11 3.50	W 104 17 27.72	154.93	947.12
	6138.00	16.86	152.00	6019.81	431.69	-881.11	413.37	1.85	430764.64	554436.13	N 32 11 3.27	W 104 17 27.58	154.87	973.26
	6231.00	18.52	155.70	6108.41	444.62	-906.48	425.78	2.15	430739.27	554448.54	N 32 11 3.02	W 104 17 27.43	154.84	1001.50
	6326.00	18.90	157.29	6198.39	457.35	-934.43	437.93	0.67	430711.33	554460.69	N 32 11 2.75	W 104 17 27.29	154.89	1031.96
	6420.00	20.67	153.38	6286.84	471.27	-963.31	451.24	2.35	430682.45	554474.00	N 32 11 2.46	W 104 17 27.14	154.90	1063.76
	6514.00	20.18	151.73	6374.94	486.99	-992.42	466.36	0.80	430653.34	554489.11	N 32 11 2.17	W 104 17 26.96	154.83	1096.53
	6609.00	19.69	153.35	6464.24	502.52	-1021.16	481.30	0.78	430624.61	554504.05	N 32 11 1.89	W 104 17 26.79	154.76	1128.90
	6703.00	22.23	158.24	6552.02	516.86	-1051.83	494.99	3.28	430593.94	554517.75	N 32 11 1.58	W 104 17 26.63	154.80	1162.48
	6797.00	22.74	162.96	6638.88	529.48	-1085.72	506.91	1.99	430560.05	554529.66	N 32 11 1.25	W 104 17 26.49	154.97	1198.23
	6892.00	21.20	163.08	6726.98	540.57	-1119.71	517.29	1.62	430526.06	554540.04	N 32 11 0.91	W 104 17 26.37	155.20	1233.43
	6987.00	19.20	162.79	6816.13	550.84	-1151.07	526.91	2.11	430494.71	554549.66	N 32 11 0.60	W 104 17 26.26	155.40	1265.94
	7081.00	19.49	158.84	6904.83	561.69	-1180.46	537.15	1.43	430465.32	554559.90	N 32 11 0.31	W 104 17 26.14	155.53	1296.92
	7176.00	19.17	156.47	6994.48	574.24	-1209.54	549.09	0.89	430436.24	554571.84	N 32 11 0.02	W 104 17 26.00	155.58	1328.34
	7271.00	16.80	157.37	7084.83	586.31	-1236.52	560.61	2.51	430409.27	554583.35	N 32 10 59.76	W 104 17 25.86	155.61	1357.66
	7365.00	15.15	156.21	7175.20	596.99	-1260.30	570.79	1.79	430385.49	554593.54	N 32 10 59.52	W 104 17 25.75	155.63	1383.53
	7458.00	15.31	154.03	7264.93	607.73	-1282.45	581.07	0.64	430363.34	554603.81	N 32 10 59.30	W 104 17 25.63	155.63	1407.95
	7553.00	15.70	150.59	7356.48	620.00	-1304.93	592.87	1.05	430340.86	554615.62	N 32 10 59.08	W 104 17 25.49	155.57	1433.29
	7647.00	18.30	152.77	7446.36	633.51	-1329.13	605.87	2.85	430316.66	554628.62	N 32 10 58.84	W 104 17 25.34	155.49	1460.71
	7743.00	20.27	153.82	7536.97	648.33	-1357.46	620.11	2.08	430288.34	554642.85	N 32 10 58.56	W 104 17 25.17	155.45	1492.39
	7838.00	20.34	153.17	7626.07	663.65	-1386.96	634.82	0.25	430258.84	554657.56	N 32 10 58.27	W 104 17 25.00	155.41	1525.34
	7934.00	18.81	152.53	7716.52	678.92	-1415.58	649.49	1.61	430230.22	554672.23	N 32 10 57.98	W 104 17 24.83	155.35	1557.47
	8028.00	16.43	154.37	7806.10	692.19	-1441.02	662.23	2.60	430204.79	554684.97	N 32 10 57.73	W 104 17 24.68	155.32	1585.90
	8123.00	15.64	158.63	7897.41	703.17	-1465.06	672.71	1.49	430180.75	554695.45	N 32 10 57.49	W 104 17 24.56	155.34	1612.12
	8218.00	14.05	162.01	7989.23	711.87	-1487.95	680.94	1.91	430157.86	554703.68	N 32 10 57.27	W 104 17 24.46	155.41	1636.36
First SLB - Survey	8263.00	13.81	162.23	8032.91	715.41	-1498.26	684.26	0.55	430147.55	554707.00	N 32 10 57.17	W 104 17 24.43	155.45	1647.12
KOP [258' FEL, 623' FSL]	*8282.00*	*15.74*	*155.59*	*8051.28*	*717.27*	*-1502.77*	*686.02*	*13.49*	*430143.04*	*554708.76*	*N 32 10 57.12*	*W 104 17 24.41*	*155.46*	*1651.95*
	8358.00	24.61	140.30	8122.60	732.12	-1524.39	700.43	13.49	430121.42	554723.16	N 32 10 56.91	W 104 17 24.24	155.32	1677.61
	8390.00	30.51	133.32	8150.96	742.52	-1535.10	710.61	20.99	430110.71	554733.34	N 32 10 56.80	W 104 17 24.12	155.16	1691.59

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 ° ' ")	Closure Azimuth (°)	Closure (ft)
	8421.00	34.16	130.67	8177.15	755.08	-1546.18	722.94	12.63	430099.64	554745.67	N 32 10 56.69	W 104 17 23.98	154.94	1706.84
	8453.00	37.42	126.88	8203.11	769.92	-1557.87	737.53	12.32	430087.94	554760.27	N 32 10 56.58	W 104 17 23.81	154.67	1723.63
	8485.00	41.38	120.39	8227.84	787.06	-1569.06	754.45	17.84	430076.75	554777.18	N 32 10 56.46	W 104 17 23.61	154.32	1741.02
	8517.00	43.25	114.96	8251.51	806.34	-1579.05	773.52	12.83	430066.77	554796.25	N 32 10 56.37	W 104 17 23.39	153.90	1758.33
	8548.00	45.55	108.87	8273.67	826.61	-1587.11	793.63	15.61	430058.71	554816.36	N 32 10 56.29	W 104 17 23.15	153.43	1774.48
	8580.00	48.86	104.05	8295.41	849.25	-1593.73	816.14	15.13	430052.08	554838.86	N 32 10 56.22	W 104 17 22.89	152.88	1790.55
	8611.00	52.37	99.44	8315.09	872.80	-1598.58	839.59	16.13	430047.23	554862.31	N 32 10 56.17	W 104 17 22.62	152.29	1805.65
	8642.00	54.20	98.90	8333.62	897.41	-1602.54	864.12	6.07	430043.28	554886.84	N 32 10 56.13	W 104 17 22.33	151.67	1820.67
	8689.00	55.56	99.35	8360.66	935.48	-1608.64	902.08	3.00	430037.18	554924.79	N 32 10 56.07	W 104 17 21.89	150.72	1844.31
	8736.00	61.14	100.27	8385.31	975.02	-1615.46	941.48	11.99	430030.36	554964.19	N 32 10 56.00	W 104 17 21.43	149.77	1869.79
Section 28-27 Line Crossing [516' FSL]	*8741.40*	*61.94*	*100.43*	*8387.88*	*979.71*	*-1616.32*	*946.15*	*14.96*	*430029.50*	*554968.86*	*N 32 10 56.00*	*W 104 17 21.38*	*149.66*	*1872.88*
	8783.00	68.07	101.59	8405.45	1016.84	-1623.52	983.14	14.96	430022.30	555005.85	N 32 10 55.92	W 104 17 20.95	148.80	1898.00
	8831.00	68.30	101.44	8423.29	1060.68	-1632.42	1026.81	0.56	430013.40	555049.51	N 32 10 55.84	W 104 17 20.44	147.83	1928.50
	8878.00	68.86	96.03	8440.47	1104.04	-1639.06	1070.03	10.78	430006.77	555092.73	N 32 10 55.77	W 104 17 19.94	146.86	1957.42
	8926.00	71.31	92.70	8456.82	1149.09	-1642.48	1115.02	8.28	430003.34	555137.72	N 32 10 55.74	W 104 17 19.41	145.83	1985.20
	9021.00	84.50	87.72	8476.69	1241.73	-1642.72	1207.68	14.80	430003.10	555230.36	N 32 10 55.73	W 104 17 18.34	143.68	2038.87
	9084.00	90.83	87.18	8479.26	1304.51	-1639.92	1270.53	10.08	430005.90	555293.21	N 32 10 55.76	W 104 17 17.61	142.23	2074.51
First Take Point [335' FEL, 484' FSL]	*9095.00*	*90.85*	*87.18*	*8479.10*	*1315.48*	*-1639.38*	*1281.51*	*0.15*	*430006.44*	*555304.20*	*N 32 10 55.77*	*W 104 17 17.48*	*141.99*	*2080.83*
	9180.00	90.97	87.15	8477.75	1400.26	-1635.17	1366.40	0.15	430010.65	555389.07	N 32 10 55.81	W 104 17 16.49	140.12	2130.92
	9274.00	87.91	88.06	8478.67	1494.06	-1631.25	1460.30	3.40	430014.58	555482.97	N 32 10 55.85	W 104 17 15.40	138.16	2189.39
	9368.00	88.78	90.65	8481.38	1587.96	-1630.19	1554.25	2.91	430015.63	555576.90	N 32 10 55.86	W 104 17 14.30	136.37	2252.38
	9463.00	88.53	92.14	8483.61	1682.93	-1632.50	1649.19	1.59	430013.32	555671.84	N 32 10 55.83	W 104 17 13.20	134.71	2320.53
	9558.00	88.57	91.86	8486.02	1777.89	-1635.81	1744.10	0.30	430010.01	555766.74	N 32 10 55.80	W 104 17 12.10	133.16	2391.19
	9653.00	88.57	91.64	8488.39	1872.86	-1638.71	1839.03	0.23	430007.11	555861.66	N 32 10 55.77	W 104 17 10.99	131.70	2463.21
	9747.00	89.38	91.51	8490.07	1966.84	-1641.30	1932.98	0.87	430004.52	555955.60	N 32 10 55.74	W 104 17 9.90	130.33	2535.79
	9841.00	88.96	90.11	8491.43	2060.83	-1642.63	2026.95	1.55	430003.20	556049.57	N 32 10 55.73	W 104 17 8.80	129.02	2608.98
	9936.00	87.90	88.94	8494.03	2155.75	-1641.84	2121.91	1.66	430003.98	556144.52	N 32 10 55.74	W 104 17 7.70	127.73	2682.94
	10031.00	90.08	90.29	8495.71	2250.69	-1641.20	2216.89	2.70	430004.62	556239.48	N 32 10 55.74	W 104 17 6.59	126.51	2758.28
	10124.00	88.64	89.83	8496.75	2343.66	-1641.30	2309.88	1.63	430004.52	556332.46	N 32 10 55.74	W 104 17 5.51	125.40	2833.62
	10217.00	89.70	90.16	8498.10	2436.63	-1641.29	2402.87	1.19	430004.53	556425.44	N 32 10 55.74	W 104 17 4.43	124.34	2909.92
	10312.00	89.15	89.62	8499.05	2531.60	-1641.11	2497.86	0.81	430004.71	556520.43	N 32 10 55.74	W 104 17 3.33	123.31	2988.74
	10406.00	89.68	89.35	8500.01	2625.55	-1640.26	2591.85	0.63	430005.56	556614.41	N 32 10 55.75	W 104 17 2.23	122.33	3067.27
	10501.00	90.27	89.68	8500.05	2720.51	-1639.46	2686.85	0.71	430006.36	556709.40	N 32 10 55.76	W 104 17 1.13	121.39	3147.54
	10596.00	87.06	89.38	8502.26	2815.43	-1638.68	2781.81	3.39	430007.14	556804.35	N 32 10 55.77	W 104 17 0.02	120.50	3228.58
	10690.00	88.60	89.55	8505.82	2909.32	-1637.80	2875.73	1.65	430008.02	556898.27	N 32 10 55.78	W 104 16 58.93	119.66	3309.42
	10784.00	89.74	90.06	8507.18	3003.28	-1637.48	2969.72	1.33	430008.34	556992.25	N 32 10 55.78	W 104 16 57.83	118.87	3391.25
	10879.00	89.00	90.36	8508.23	3098.26	-1637.83	3064.71	0.84	430007.99	557087.23	N 32 10 55.77	W 104 16 56.73	118.12	3474.90
	10974.00	89.92	89.58	8509.12	3193.23	-1637.78	3159.71	1.27	430008.04	557182.21	N 32 10 55.77	W 104 16 55.62	117.40	3558.94
	11068.00	88.14	89.61	8510.71	3287.18	-1637.12	3253.69	1.89	430008.70	557276.19	N 32 10 55.78	W 104 16 54.53	116.71	3642.34
	11162.00	87.88	90.17	8513.98	3381.10	-1636.94	3347.63	0.66	430008.88	557370.12	N 32 10 55.78	W 104 16 53.44	116.06	3726.42
	11256.00	87.89	89.91	8517.45	3475.01	-1637.00	3441.57	0.28	430008.82	557464.05	N 32 10 55.78	W 104 16 52.34	115.44	3811.06
	11351.00	88.61	89.97	8520.35	3569.94	-1636.90	3536.52	0.76	430008.92	557558.99	N 32 10 55.78	W 104 16 51.24	114.84	3896.98
	11445.00	90.11	89.81	8521.40	3663.91	-1636.72	3630.51	1.60	430009.10	557652.98	N 32 10 55.78	W 104 16 50.15	114.27	3982.40
	11539.00	89.28	89.51	8521.90	3757.88	-1636.17	3724.51	0.94	430009.66	557746.96	N 32 10 55.79	W 104 16 49.05	113.72	4068.05
	11634.00	88.32	90.33	8523.89	3852.83	-1636.03	3819.49	1.33	430009.79	557841.93	N 32 10 55.79	W 104 16 47.95	113.19	4155.13
	11728.00	88.42	89.86	8526.56	3946.77	-1636.19	3913.45	0.51	430009.63	557935.88	N 32 10 55.79	W 104 16 46.85	112.69	4241.72
	11822.00	88.83	90.11	8528.82	4040.73	-1636.16	4007.42	0.51	430009.66	558029.85	N 32 10 55.79	W 104 16 45.76	112.21	4328.56
	11917.00	88.57	90.42	8530.97	4135.69	-1636.60	4102.39	0.43	430009.22	558124.81	N 32 10 55.78	W 104 16 44.66	111.75	4416.80
	12012.00	89.06	89.92	8532.94	4230.65	-1636.89	4197.37	0.74	430008.94	558219.78	N 32 10 55.78	W 104 16 43.55	111.30	4505.26
	12106.00	88.12	89.84	8535.25	4324.60	-1636.69	4291.34	1.00	430009.13	558313.75	N 32 10 55.78	W 104 16 42.46	110.88	4592.86
	12201.00	88.62	90.29	8537.95	4419.54	-1636.80	4386.30	0.71	430009.03	558408.70	N 32 10 55.78	W 104 16 41.35	110.46	4681.75
	12295.00	88.31	90.17	8540.47	4513.49	-1637.17	4480.27	0.35	430008.65	558502.65	N 32 10 55.77	W 104 16 40.26	110.07	4770.03
	12389.00	88.51	89.99	8543.08	4607.44	-1637.30	4574.23	0.29	430008.52	558596.61	N 32 10 55.77	W 104 16 39.17	109.69	4858.43
	12484.00	88.35	90.03	8545.68	4702.38	-1637.32	4669.20	0.17	430008.50	558691.56	N 32 10 55.77	W 104 16 38.06	109.32	4947.95
	12579.00	86.96	89.88	8549.57	4797.28	-1637.25	4764.12	1.47	430008.58	558786.47	N 32 10 55.77	W 104 16 36.96	108.97	5037.60
	12672.00	88.23	90.16	8553.47	4890.17	-1637.28	4857.03	1.40	430008.54	558879.38	N 32 10 55.77	W 104 16 35.88	108.63	5125.57
	12767.00	88.58	90.02	8556.12	4985.12	-1637.43	4951.99	0.40	430008.39	558974.34	N 32 10 55.77	W 104 16 34.77	108.30	5215.69
	12862.00	88.52	90.11	8558.52	5080.07	-1637.54	5046.96	0.11	430008.29	559069.30	N 32 10 55.77	W 104 16 33.67	107.98	5305.98

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 ° ' ")	Closure Azimuth (°)	Closure (ft)
	12957.00	88.55	90.09	8560.95	5175.02	-1637.70	5141.93	0.04	430008.12	559164.26	N 32 10 55.76	W 104 16 32.56	107.67	5396.44
	13051.00	88.54	90.11	8563.34	5268.97	-1637.87	5235.90	0.02	430007.96	559258.22	N 32 10 55.76	W 104 16 31.47	107.37	5486.10
	13146.00	88.56	89.90	8565.74	5363.92	-1637.87	5330.87	0.22	430007.95	559353.18	N 32 10 55.76	W 104 16 30.36	107.08	5576.81
	13241.00	88.59	89.78	8568.10	5458.87	-1637.61	5425.84	0.13	430008.21	559448.14	N 32 10 55.76	W 104 16 29.26	106.79	5667.59
	13335.00	88.42	89.85	8570.56	5552.81	-1637.31	5519.81	0.20	430008.52	559542.10	N 32 10 55.77	W 104 16 28.16	106.52	5757.52
	13430.00	88.40	90.18	8573.19	5647.75	-1637.33	5614.77	0.35	430008.49	559637.05	N 32 10 55.77	W 104 16 27.06	106.26	5848.63
	13525.00	88.15	89.58	8576.05	5742.68	-1637.13	5709.73	0.68	430008.69	559732.00	N 32 10 55.77	W 104 16 25.95	106.00	5939.80
	13619.00	88.27	88.08	8578.99	5836.55	-1635.21	5803.66	1.60	430010.61	559825.92	N 32 10 55.79	W 104 16 24.86	105.74	6029.63
	13714.00	88.35	88.14	8581.79	5931.38	-1632.08	5898.57	0.11	430013.74	559920.82	N 32 10 55.82	W 104 16 23.76	105.47	6120.20
	13809.00	88.20	88.22	8584.65	6026.20	-1629.07	5993.48	0.18	430016.76	560015.72	N 32 10 55.85	W 104 16 22.65	105.21	6210.93
	13904.00	88.12	91.02	8587.70	6121.11	-1628.44	6088.42	2.95	430017.39	560110.65	N 32 10 55.85	W 104 16 21.55	104.97	6302.43
	13999.00	88.50	92.47	8590.50	6216.06	-1631.33	6183.33	1.58	430014.49	560205.56	N 32 10 55.82	W 104 16 20.44	104.78	6394.90
Section 27-28 Line Crossing [350' FSL]	*14071.70*	*87.90*	*92.47*	*8592.79*	*6288.70*	*-1634.46*	*6255.92*	*0.83*	*430011.36*	*560278.14*	*N 32 10 55.79*	*W 104 16 19.60*	*104.64*	*6465.91*
	14093.00	87.72	92.47	8593.60	6309.98	-1635.38	6277.19	0.83	430010.45	560299.41	N 32 10 55.78	W 104 16 19.35	104.60	6486.72
	14187.00	87.82	92.11	8597.26	6403.89	-1639.13	6371.04	0.40	430006.69	560393.25	N 32 10 55.74	W 104 16 18.26	104.43	6578.52
	14281.00	87.68	90.55	8600.95	6497.82	-1641.31	6464.94	1.66	430004.51	560487.14	N 32 10 55.72	W 104 16 17.17	104.25	6670.04
	14376.00	87.89	90.21	8604.62	6592.74	-1641.94	6559.87	0.42	430003.88	560582.06	N 32 10 55.72	W 104 16 16.06	104.05	6762.24
	14470.00	88.19	90.23	8607.84	6686.67	-1642.30	6653.81	0.32	430003.52	560676.00	N 32 10 55.71	W 104 16 14.97	103.86	6853.49
	14561.00	87.91	90.64	8610.93	6777.61	-1642.99	6744.76	0.55	430002.83	560766.93	N 32 10 55.70	W 104 16 13.91	103.69	6941.99
	14656.00	87.73	90.26	8614.55	6872.53	-1643.74	6839.69	0.44	430002.09	560861.85	N 32 10 55.70	W 104 16 12.81	103.51	7034.43
	14751.00	87.63	90.52	8618.39	6967.44	-1644.38	6934.61	0.29	430001.44	560956.76	N 32 10 55.69	W 104 16 11.70	103.34	7126.90
	14846.00	87.88	90.29	8622.11	7062.36	-1645.05	7029.53	0.36	430000.77	561051.68	N 32 10 55.68	W 104 16 10.60	103.17	7219.45
	14940.00	87.72	90.42	8625.72	7156.28	-1645.63	7123.46	0.22	430000.19	561145.60	N 32 10 55.68	W 104 16 9.50	103.01	7311.07
	15035.00	87.89	89.95	8629.36	7251.20	-1645.94	7218.39	0.53	429999.88	561240.52	N 32 10 55.67	W 104 16 8.40	102.85	7403.66
	15130.00	87.16	90.17	8633.46	7346.09	-1646.04	7313.30	0.80	429999.78	561335.42	N 32 10 55.67	W 104 16 7.30	102.68	7496.25
	15225.00	87.95	90.23	8637.52	7440.99	-1646.37	7408.21	0.83	429999.45	561430.32	N 32 10 55.67	W 104 16 6.19	102.53	7588.95
	15319.00	88.38	90.08	8640.53	7534.92	-1646.63	7502.16	0.48	429999.20	561524.27	N 32 10 55.66	W 104 16 5.10	102.38	7680.74
	15414.00	87.93	90.28	8643.58	7629.86	-1646.92	7597.11	0.52	429998.90	561619.21	N 32 10 55.66	W 104 16 3.99	102.23	7773.58
	15508.00	88.03	89.84	8646.90	7723.78	-1647.02	7691.05	0.48	429998.80	561713.14	N 32 10 55.66	W 104 16 2.90	102.09	7865.43
	15603.00	88.63	90.21	8649.67	7818.72	-1647.06	7786.01	0.74	429998.76	561808.09	N 32 10 55.66	W 104 16 1.80	101.94	7958.32
	15697.00	88.21	89.81	8652.26	7912.66	-1647.08	7879.98	0.62	429998.74	561902.05	N 32 10 55.66	W 104 16 0.70	101.81	8050.27
	15791.00	87.87	91.49	8655.47	8006.60	-1648.15	7973.91	1.82	429997.68	561995.97	N 32 10 55.65	W 104 15 59.61	101.68	8142.46
	15886.00	88.00	92.39	8658.90	8101.53	-1651.36	8068.79	0.96	429994.46	562090.85	N 32 10 55.61	W 104 15 58.51	101.57	8236.05
	15981.00	88.50	92.35	8661.80	8196.47	-1655.29	8163.67	0.53	429990.54	562185.71	N 32 10 55.57	W 104 15 57.40	101.46	8329.79
	16075.00	88.77	92.34	8664.04	8290.42	-1659.13	8257.56	0.29	429986.69	562279.60	N 32 10 55.53	W 104 15 56.31	101.36	8422.59
	16170.00	88.49	92.15	8666.31	8385.38	-1662.85	8352.46	0.36	429982.97	562374.49	N 32 10 55.50	W 104 15 55.21	101.26	8516.38
	16264.00	88.63	90.29	8668.67	8479.34	-1664.85	8446.41	1.98	429980.97	562468.43	N 32 10 55.48	W 104 15 54.11	101.15	8608.92
	16358.00	88.22	90.35	8671.25	8573.30	-1665.38	8540.37	0.44	429980.45	562562.38	N 32 10 55.47	W 104 15 53.02	101.03	8701.23
	16451.00	88.41	90.16	8673.99	8666.24	-1665.79	8633.33	0.29	429980.03	562655.33	N 32 10 55.47	W 104 15 51.94	100.92	8792.57
	16546.00	88.76	90.10	8676.34	8761.20	-1666.01	8728.30	0.37	429979.82	562750.29	N 32 10 55.46	W 104 15 50.83	100.81	8885.88
	16641.00	89.21	90.27	8678.02	8856.17	-1666.31	8823.28	0.51	429979.51	562845.27	N 32 10 55.46	W 104 15 49.73	100.69	8979.25
	16735.00	89.31	89.91	8679.23	8950.14	-1666.46	8917.28	0.40	429979.36	562939.25	N 32 10 55.46	W 104 15 48.63	100.59	9071.65
	16829.00	89.23	90.13	8680.43	9044.12	-1666.49	9011.27	0.25	429979.33	563033.23	N 32 10 55.46	W 104 15 47.54	100.48	9164.07
	16923.00	88.99	90.15	8681.89	9138.09	-1666.72	9105.26	0.26	429979.10	563127.21	N 32 10 55.45	W 104 15 46.45	100.37	9256.55
	17017.00	88.96	89.71	8683.57	9232.05	-1666.61	9199.24	0.47	429979.22	563221.19	N 32 10 55.45	W 104 15 45.35	100.27	9348.99
	17112.00	89.76	90.00	8684.63	9327.02	-1666.37	9294.23	0.90	429979.46	563316.17	N 32 10 55.46	W 104 15 44.25	100.16	9442.44
	17206.00	88.92	90.03	8685.72	9420.99	-1666.39	9388.23	0.89	429979.43	563410.16	N 32 10 55.46	W 104 15 43.15	100.07	9534.97
	17301.00	89.23	89.76	8687.25	9515.95	-1666.22	9483.22	0.43	429979.61	563505.14	N 32 10 55.46	W 104 15 42.05	99.97	9628.48
	17395.00	89.27	90.15	8688.48	9609.92	-1666.15	9577.21	0.42	429979.68	563599.12	N 32 10 55.46	W 104 15 40.95	99.87	9721.06
	17490.00	89.50	89.99	8689.50	9704.90	-1666.26	9672.20	0.29	429979.56	563694.10	N 32 10 55.46	W 104 15 39.85	99.77	9814.68
	17584.00	89.52	90.53	8690.30	9798.88	-1666.69	9766.20	0.57	429979.14	563788.09	N 32 10 55.45	W 104 15 38.76	99.68	9907.39
	17679.00	89.28	89.92	8691.30	9893.86	-1667.06	9861.19	0.69	429978.76	563883.08	N 32 10 55.45	W 104 15 37.65	99.60	10001.11
	17774.00	89.40	90.26	8692.39	9988.84	-1667.21	9956.18	0.38	429978.61	563978.06	N 32 10 55.44	W 104 15 36.55	99.51	10094.81
	17868.00	89.54	90.28	8693.26	10082.82	-1667.65	10050.18	0.15	429978.17	564072.05	N 32 10 55.44	W 104 15 35.45	99.42	10187.60
	17962.00	88.93	90.00	8694.52	10176.80	-1667.88	10144.17	0.71	429977.94	564166.03	N 32 10 55.44	W 104 15 34.36	99.34	10280.37
	18057.00	88.17	89.96	8696.92	10271.75	-1667.85	10239.14	0.80	429977.98	564260.99	N 32 10 55.44	W 104 15 33.25	99.25	10374.09
	18151.00	88.63	90.08	8699.55	10365.69	-1667.88	10333.10	0.51	429977.94	564354.94	N 32 10 55.43	W 104 15 32.16	99.17	10466.84
	18245.00	88.66	90.16	8701.77	10459.65	-1668.08	10427.07	0.09	429977.75	564448.91	N 32 10 55.43	W 104 15 31.07	99.09	10559.66
	18340.00	88.80	90.34	8703.87	10554.61	-1668.49	10522.05	0.24	429977.33	564543.87	N 32 10 55.43	W 104 15 29.96	99.01	10653.52
	18434.00	88.85	90.05	8705.80	10648.57	-1668.81	10616.03	0.31	429977.01	564637.85	N 32 10 55.42	W 104 15 28.87	98.93	10746.40

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 ° ' ")	Closure Azimuth (°)	Closure (ft)
	18529.00	89.05	90.23	8707.54	10743.54	-1669.05	10711.01	0.28	429976.78	564732.82	N 32 10 55.42	W 104 15 27.76	98.86	10840.27
	18623.00	88.82	90.25	8709.29	10837.51	-1669.44	10805.00	0.25	429976.39	564826.79	N 32 10 55.42	W 104 15 26.67	98.78	10933.21
	18717.00	88.65	90.03	8711.36	10931.47	-1669.67	10898.97	0.30	429976.16	564920.76	N 32 10 55.41	W 104 15 25.58	98.71	11026.12
	18812.00	88.71	90.16	8713.55	11026.43	-1669.83	10993.95	0.15	429976.00	565015.73	N 32 10 55.41	W 104 15 24.47	98.64	11120.04
	18906.00	88.79	90.22	8715.60	11120.39	-1670.14	11087.92	0.11	429975.69	565109.70	N 32 10 55.41	W 104 15 23.38	98.57	11213.00
Last Take Point [418' FEL, 412' FSL]	*18910.00*	*88.79*	*90.22*	*8715.69*	*11124.39*	*-1670.15*	*11091.92*	*0.06*	*429975.67*	*565113.70*	*N 32 10 55.41*	*W 104 15 23.33*	*98.56*	*11216.96*
Final Surveys	18963.00	88.76	90.21	8716.82	11177.37	-1670.35	11144.91	0.06	429975.47	565166.68	N 32 10 55.40	W 104 15 22.71	98.52	11269.39
TD, PTB [331' FEL, 413' FSL]	18997.00	88.76	90.21	8717.56	11211.36	-1670.48	11178.90	0.00	429975.35	565200.67	N 32 10 55.40	W 104 15 22.32	98.50	11303.02

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 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	23.000	1/98.425	17.500	13.375	NAL_MWD_IFR1+MS-Depth Only	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft
	1	23.000	23.000	Act Stns	17.500	13.375	NAL_MWD_IFR1+MS-Depth Only	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft
	1	23.000	409.000	Act Stns	17.500	13.375	NAL_MWD_IFR1+MS	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26
	1	409.000	1775.000	Act Stns	12.250	9.625	NAL_MWD_IFR1+MS	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26
	1	1775.000	9144.000	Act Stns	8.750	7.000	NAL_MWD_IFR1+MS	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26
	1	9144.000	18997.000	Act Stns	8.500	7.000	NAL_MWD_IFR1+MS	Crawford 27-26 Fee #29H / Final Surveys - Cimarex Crawford 27-26

Schlumberger

Cimarex Energy

Final PvA

CIMAREX

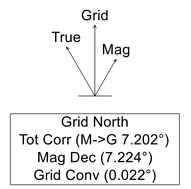
Borehole:	Well:	Field:	Structure:
Crawford 27-26 Fee #29H	Crawford 27-26 Fee #29H	NM Eddy County (NAD 83)	Cimarex Crawford 27-26 Fee #29H

Gravity & Magnetic Parameters						Surface Location						Miscellaneous			
Model:	HDGM 2019	Dip:	59.785°	Date:	09-Mar-2020	Lat:	N 32 11 11.99	Northing:	431645.67ftUS	Grid Conv:	0.0218°	Slot:	New Slot	TVD Ref:	RKB(3363.8ft above MSL)
MagDec:	7.224°	FS:	47714.634nT	Gravity FS:	998.446mgn (9.80665 Based)	Lon:	W 104 17 32.38	Easting:	554022.8ftUS	Scale Fact:	0.99990928	Plan:	Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft (Surcon Corrected)		

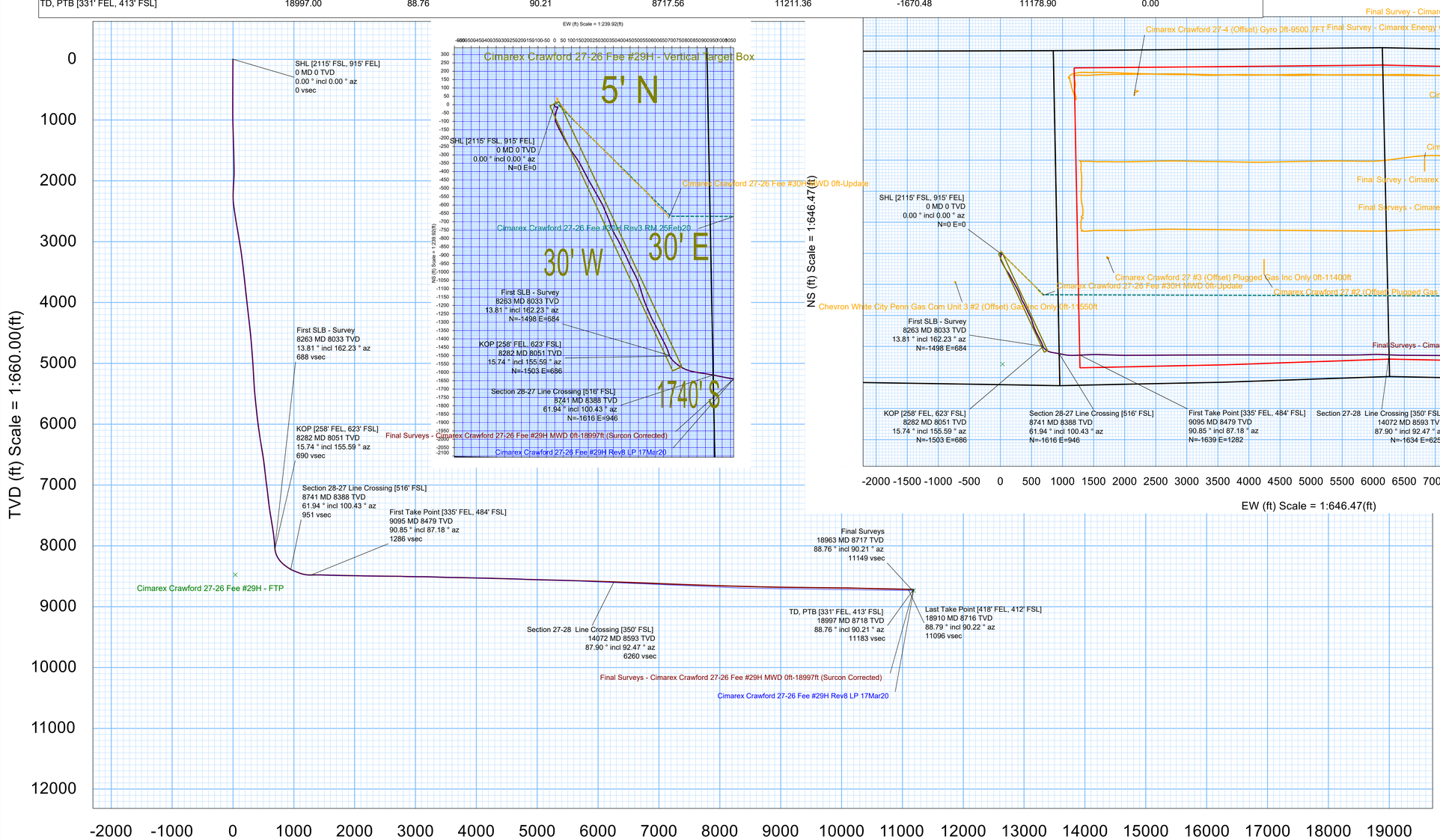
NAD83 New Mexico State Plane, Eastern Zone, US Feet

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [2115' FSL, 915' FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
First SLB - Survey	8263.00	13.81	162.23	8032.91	715.41	-1498.26	684.26	0.55
KOP [258' FEL, 623' FSL]	8282.00	15.74	155.59	8051.28	717.27	-1502.77	686.02	13.49
Section 28-27 Line Crossing [516' FSL]	8741.40	61.94	100.43	8387.88	979.71	-1616.32	946.15	14.96
First Take Point [335' FEL, 484' FSL]	9095.00	90.85	87.18	8479.10	1315.48	-1639.38	1281.51	0.15
Section 27-28 Line Crossing [350' FSL]	14071.70	87.90	92.47	8592.79	6288.70	-1634.46	6255.92	0.83
Last Take Point [418' FEL, 412' FSL]	18910.00	88.79	90.22	8715.69	11124.39	-1670.15	11091.92	0.06
Final Surveys	18963.00	88.76	90.21	8716.82	11177.37	-1670.35	11144.91	0.06
TD, PTB [331' FEL, 413' FSL]	18997.00	88.76	90.21	8717.56	11211.36	-1670.48	11178.90	0.00



D	CONTROLLED	
E		
C		
Plan ref	Final Surveys - Cimarex Crawford 27-26 Fee #29H MWD 0ft-18997ft (Surcon Corrected)	
Drawing ref		
Copy number	of 3	
Date	17-Dec-2020	
1	Client	
2	Client	
3	Office	
4	Office	
Copy number	for	



Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

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

Latitude	Longitude	NAD

First Take Point (FTP)

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

Latitude	Longitude	NAD

Last Take Point (LTP)

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

Latitude	Longitude	NAD

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

Is this well an infill well? ☐

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

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

1. Type of Well: Oil Well ☐ Gas Well ☐ Other

8. Well Number

2. Name of Operator

9. OGRID Number

3. Address of Operator

10. Pool name or Wildcat

4. Well Location
Unit Letter_____:_____feet from the _____ line and _____feet from the _____line
Section Township Range NMPM County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Fatima Vasquez TITLE_____DATE_____

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: Kurt Simmons TITLE NMOCD DATE 02/17/2021

Conditions of Approval (if any):

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised April 3, 2017

1. WELL API NO.

2. Type of Lease
☐ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name

6. Well Number:

7. Type of Completion:
☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator

9. OGRID

10. Address of Operator

11. Pool name or Wildcat

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude _____ Longitude _____ NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Fatima Vasquez Printed Name Title Date

E-mail Address

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy_____	T. Canyon_____	T. Ojo Alamo_____	T. Penn A"_____
T. Salt_____	T. Strawn_____	T. Kirtland _____	T. Penn. "B"_____
B. Salt_____	T. Atoka_____	T. Fruitland_____	T. Penn. "C"_____
T. Yates_____	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. 7 Rivers_____	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Queen_____	T. Silurian_____	T. Menefee_____	T. Madison_____
T. Grayburg_____	T. Montoya_____	T. Point Lookout_____	T. Elbert_____
T. San Andres_____	T. Simpson_____	T. Mancos_____	T. McCracken_____
T. Glorieta_____	T. McKee_____	T. Gallup_____	T. Ignacio Otzte_____
T. Paddock_____	T. Ellenburger_____	Base Greenhorn_____	T.Granite _____
T. Blinebry_____	T. Gr. Wash_____	T. Dakota_____	
T.Tubb_____	T. Delaware Sand_____	T. Morrison_____	
T. Drinkard_____	T. Bone Springs_____	T.Todilto_____	
T. Abo_____	T._____	T. Entrada_____	
T. Wolfcamp_____	T._____	T. Wingate_____	
T. Penn_____	T._____	T. Chinle_____	
T. Cisco (Bough C)_____	T._____	T. Permian_____	

OIL OR GAS SANDS OR ZONES

No. 1, from……..…..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 15323

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
CIMAREX ENERGY CO. 600 N. Marienfeld Street Suite 600 Midland, TX79701	215099	15323	C-104C

OCD Reviewer	Condition
ksimmons	None