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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

¹ API Number 30-015-46362		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)					
⁴ Property Code 326794		⁵ Property Name FOREIGNER 33/4 WOKN FEE						⁶ Well Number 1H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3099'	
¹⁰ Surface Location									
UL or lot no. L	Section 33	Township 23S	Range 28E	Lot Idn	Feet from the 2450	North/South line SOUTH	Feet From the 1180	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 4	Township 24S	Range 28E	Lot Idn	Feet from the 320	North/South line SOUTH	Feet from the 2197	East/West line WEST	County EDDY
¹² Dedicated Acres 480.2		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

	CORNER DATA NAD 83 GRID - NM EAST A: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 451046.4 - E: 613167.1 B: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 453669.6 - E: 613160.5 C: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 456301.5 - E: 613156.1 D: FOUND COTTON SPINDLE N: 458943.1 - E: 613163.6 E: FOUND 100D NAIL N: 461569.8 - E: 613183.9 F: FOUND 1/2" REBAR N: 461626.4 - E: 618520.2 G: FOUND 1/2" REBAR N: 458970.7 - E: 618484.3 H: FOUND BRASS CAP "1942" N: 456318.1 - E: 618448.9 I: FOUND BRASS CAP "1942" N: 453708.1 - E: 618414.1 J: FOUND 1/2" REBAR N: 451093.4 - E: 618379.9 K: FOUND BRASS CAP "1912" N: 456311.6 - E: 615802.4	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. Signature: <i>Jackie Lathan</i> Date: 10/20/2020 Printed Name: Jackie Lathan E-mail Address: jlathan@mewbourne.com
	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. 9-20-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>Robert M. Howett</i> 19680 Certificate Number	Job No: LS19090915

Intent ☐ As Drilled ☒

API # 30-015-46362		
Operator Name: Mewbourne Oil Company	Property Name: Foreigner 33/4 W0KN Fee	Well Number 1H

Kick Off Point (KOP)

UL K	Section 33	Township 23S	Range 28E	Lot	Feet 2616	From N/S S	Feet 2118	From E/W W	County Fddy
Latitude 32.2614292					Longitude -104.0941216				NAD 83

First Take Point (FTP)

UL K	Section 33	Township 23S	Range 28E	Lot	Feet 2300	From N/S S	Feet 2143	From E/W W	County Fddy
Latitude 32.2605717					Longitude -104.0940397				NAD 83

Last Take Point (LTP)

UL N	Section 4	Township 24S	Range 28E	Lot	Feet 374	From N/S S	Feet 2197	From E/W W	County Fddy
Latitude 32.2408551					Longitude -104.0939048				NAD 83

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 # 30-015-43494		
Operator Name: Mewbourne Oil Co	Property Name: Foreigner 33/4 W2 LM Fee	Well Number 1H

KZ 06/29/2018

Mewbourne Foreigner 33_4 W0KN Fee No. 1H MWD 0ft to 16962ft MD

Survey Report

(Def Survey)



Report Date: January 09, 2020 - 10:24 AM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Foreigner 33_4 W0KN Fee No. 1H / New Slot
Well: Foreigner 33_4 W0KN Fee No. 1H
Borehole: Foreigner 33_4 W0KN Fee No. 1H
UWI / API#: Unknown / Unknown
Survey Name: Mewbourne Foreigner 33_4 W0KN Fee No. 1H MWD 0ft to 16962ft MD
Survey Date: November 20, 2019
Tort / AHD / DDI / ERD Ratio: 237.241 ° / 6500.595 ft / 6.552 / 0.886
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 15' 39.50032", W 104° 5' 49.74548"
Location Grid N/E Y/X: N 458755.200 ftUS, E 614343.000 ftUS
CRS Grid Convergence Angle: 0.1261 °
Grid Scale Factor: 0.9999152
Version / Patch: 2.10.787.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 172.090 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3127.000 ft above MSL
Seabed / Ground Elevation: 3099.000 ft above MSL
Magnetic Declination: 7.091 °
Total Gravity Field Strength: 998.4646mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47840.722 nT
Magnetic Dip Angle: 59.969 °
Declination Date: November 22, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1261 °
Total Corr Mag North->Grid: 6.9647 °
North:
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	102.82M
	100.00	0.69	102.82	100.00	0.21	-0.13	0.59	0.60	102.82	0.69	77.47M
	200.00	1.54	77.47	199.98	0.32	0.02	2.49	2.49	89.44	0.96	61.52M
	300.00	1.60	61.52	299.94	-0.28	0.98	5.02	5.12	78.95	0.44	79.18M
	400.00	1.73	79.18	399.90	-0.85	1.93	7.73	7.97	75.98	0.53	88.93M
	480.00	1.74	88.93	479.86	-0.76	2.18	10.14	10.37	77.86	0.37	75.12M
13-3/8" Casing First SLB Survey	620.00	3.08	75.12	619.74	-0.97	3.19	15.90	16.21	78.67	1.04	70.42M
	681.00	3.26	70.42	680.64	-1.52	4.19	19.11	19.57	77.64	0.52	62.77M
	741.00	3.67	62.77	740.53	-2.50	5.64	22.43	23.13	75.89	1.03	71.23M
	835.00	3.34	71.23	834.36	-4.01	7.90	27.70	28.80	74.09	0.65	74.33M
	929.00	5.04	74.33	928.10	-5.08	9.89	34.26	35.66	73.90	1.82	75.43M
	1024.00	7.58	75.43	1022.52	-6.37	12.60	44.35	46.10	74.14	2.68	76.35M
	1118.00	8.20	76.35	1115.63	-7.76	15.74	56.86	59.00	74.53	0.67	90R
	1213.00	8.20	79.17	1209.66	-8.79	18.61	70.10	72.53	75.13	0.42	136.34R
	1307.00	7.63	83.42	1302.77	-8.98	20.58	82.88	85.40	76.05	0.87	81.25M
	1402.00	7.03	81.25	1396.99	-8.92	22.19	94.90	97.46	76.84	0.70	84.79M
	1591.00	6.43	84.79	1584.69	-8.59	24.91	116.87	119.49	77.97	0.39	87.16M
	1686.00	6.59	87.16	1679.07	-7.86	25.66	127.61	130.16	78.63	0.33	88.29M
	1780.00	7.27	88.29	1772.39	-6.74	26.11	138.94	141.37	79.36	0.74	88.65M
	1874.00	7.12	88.65	1865.65	-5.43	26.42	150.71	153.01	80.06	0.17	88.86M
	1969.00	6.66	88.86	1959.96	-4.11	26.67	162.10	164.28	80.66	0.48	93.1M
	2063.00	7.56	93.10	2053.24	-2.29	26.45	173.73	175.73	81.34	1.11	92.98M
	2158.00	8.29	92.98	2147.33	0.20	25.75	186.81	188.58	82.15	0.77	24.27L
	2252.00	8.45	92.49	2240.33	2.73	25.10	200.48	202.04	82.86	0.19	67.05L
	2347.00	8.66	89.39	2334.27	4.90	24.87	214.60	216.04	83.39	0.53	52.28L
	2470.00	8.83	87.98	2455.84	7.04	25.30	233.30	234.66	83.81	0.22	167.42L
9-5/8" Casing	2525.00	8.60	87.63	2510.21	7.87	25.62	241.62	242.98	83.95	0.44	167.07L
	2576.00	8.38	87.29	2560.65	8.58	25.96	249.14	250.49	84.05	0.44	121.73L
	2671.00	7.47	72.98	2654.75	8.23	28.09	261.96	263.46	83.88	2.28	71.08M
	2765.00	6.99	71.08	2748.00	6.17	31.73	273.22	275.05	83.37	0.57	73.61M
	2859.00	6.16	73.61	2841.38	4.33	35.01	283.47	285.62	82.96	0.94	73.39M
	2953.00	5.75	73.39	2934.87	2.87	37.78	292.82	295.24	82.65	0.44	72.61M
	3048.00	6.12	72.61	3029.37	1.32	40.66	302.21	304.93	82.34	0.40	72.58M
	3142.00	6.03	72.58	3122.84	-0.32	43.63	311.70	314.74	82.03	0.10	73.94M
	3236.00	6.38	73.94	3216.29	-1.88	46.55	321.43	324.79	81.76	0.40	72.84M
	3330.00	6.51	72.84	3309.69	-3.47	49.57	331.54	335.23	81.50	0.19	71.5M
	3424.00	5.46	71.50	3403.18	-5.15	52.56	340.87	344.90	81.23	1.13	71.41M
	3518.00	5.12	71.41	3496.78	-6.75	55.32	349.09	353.45	81.00	0.36	70.36M
	3613.00	4.80	70.36	3591.42	-8.34	58.01	356.85	361.54	80.77	0.35	69.68M
	3707.00	5.06	69.68	3685.07	-10.04	60.77	364.44	369.48	80.53	0.28	71.47M
	3802.00	4.79	71.47	3779.72	-11.67	63.48	372.13	377.51	80.32	0.33	70.79M
	3896.00	4.73	70.79	3873.40	-13.15	66.01	379.51	385.21	80.13	0.09	81.37M
	3991.00	4.92	81.37	3968.07	-13.97	67.91	387.24	393.15	80.05	0.96	83.82M
	4086.00	5.24	83.82	4062.69	-13.89	68.98	395.58	401.55	80.11	0.41	84.05M
	4180.00	5.25	84.05	4156.30	-13.61	69.89	404.13	410.13	80.19	0.02	87.42M
	4274.00	4.89	87.42	4249.93	-13.09	70.52	412.41	418.39	80.30	0.50	78.6M
	4368.00	5.74	78.60	4343.53	-13.01	71.63	421.02	427.07	80.34	1.25	76.07M
	4463.00	5.95	76.07	4438.03	-13.81	73.75	430.45	436.73	80.28	0.35	76.28M
	4558.00	5.96	76.28	4532.52	-14.83	76.11	440.02	446.56	80.19	0.03	75.53M
	4652.00	5.79	75.53	4626.03	-15.86	78.45	449.36	456.15	80.10	0.20	78.36M
	4747.00	5.63	78.36	4720.56	-16.71	80.59	458.56	465.59	80.03	0.34	76.41M
	4841.00	5.54	76.41	4814.11	-17.46	82.58	467.49	474.72	79.98	0.22	79.95M
	4934.00	5.77	79.95	4906.66	-18.08	84.45	476.45	483.88	79.95	0.45	81.93M
	5029.00	6.72	81.93	5001.09	-18.28	86.07	486.66	494.21	79.97	1.03	82.04M
	5123.00	7.05	82.04	5094.41	-18.30	87.64	497.82	505.47	80.02	0.35	81.99M
	5218.00	6.86	81.99	5188.72	-18.31	89.24	509.21	516.97	80.06	0.20	80.49M
	5312.00	7.78	80.49	5281.95	-18.50	91.07	521.04	528.94	80.09	1.00	79.73M
	5406.00	7.88	79.73	5375.07	-18.94	93.27	533.66	541.75	80.09	0.15	79.45M
	5500.00	7.64	79.45	5468.21	-19.49	95.56	546.14	554.44	80.07	0.26	81.63M
	5596.00	7.32	81.63	5563.39	-19.84	97.62	558.47	566.93	80.08	0.45	80.9M
	5690.00	7.11	80.90	5656.65	-20.01	99.41	570.13	578.74	80.11	0.24	79.26M
	5784.00	6.83	79.26	5749.96	-20.40	101.37	581.37	590.14	80.11	0.37	77.73M
	5879.00	6.89	77.73	5844.28	-21.12	103.64	592.49	601.48	80.08	0.20	75.78M
	5974.00	6.47	75.78	5938.63	-22.14	106.16	603.25	612.52	80.02	0.50	80.06M
	6068.00	7.74	80.06	6031.91	-22.94	108.56	614.61	624.13	79.98	1.46	83.59M
	6163.00	7.76	83.59	6126.04	-23.00	110.38	627.29	636.93	80.02	0.50	78.15M
	6257.00	6.69	78.15	6219.29	-23.21	112.21	638.95	648.73	80.04	1.35	71.36M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	6352.00	5.08	71.36	6313.79	-24.38	114.69	648.36	658.42	79.97	1.84	72.11M
	6446.00	5.26	72.11	6407.41	-25.90	117.35	656.40	666.81	79.86	0.20	67.94M
	6541.00	4.89	67.94	6502.04	-27.64	120.20	664.30	675.08	79.74	0.55	72.95M
	6636.00	5.96	72.95	6596.61	-29.42	123.17	672.77	683.95	79.63	1.23	82.43M
	6730.00	7.13	82.43	6690.00	-30.16	125.37	683.21	694.62	79.60	1.69	76.28M
	6824.00	5.78	76.28	6783.40	-30.60	127.26	693.60	705.17	79.60	1.61	73.44M
	6918.00	6.70	73.44	6876.84	-31.90	129.95	703.45	715.35	79.53	1.03	76.81M
	7013.00	8.31	76.81	6971.03	-33.37	133.09	715.45	727.72	79.46	1.76	91.04R
	7107.00	8.32	80.88	7064.04	-34.14	135.72	728.78	741.31	79.45	0.63	134.51R
	7202.00	8.18	81.89	7158.06	-34.31	137.76	742.25	754.93	79.49	0.21	135.84L
	7296.00	7.83	79.34	7251.14	-34.64	139.89	755.17	768.01	79.51	0.53	80.71M
	7390.00	6.26	80.71	7344.43	-35.07	141.90	766.52	779.54	79.51	1.68	80.18M
	7485.00	5.15	80.18	7438.96	-35.33	143.47	775.83	788.98	79.52	1.17	77.93M
	7579.00	6.75	77.93	7532.45	-35.88	145.34	785.39	798.73	79.52	1.72	75.17M
	7674.00	7.11	75.17	7626.75	-36.99	148.01	796.53	810.17	79.47	0.52	76.23M
	7768.00	6.30	76.23	7720.11	-38.22	150.73	807.17	821.12	79.42	0.87	76.96M
	7863.00	8.16	76.96	7814.35	-39.35	153.49	818.80	833.06	79.38	1.96	9.42L
	7957.00	9.00	76.07	7907.30	-40.72	156.77	832.43	847.07	79.33	0.90	165.53L
	8052.00	7.60	73.32	8001.30	-42.46	160.36	845.66	860.73	79.26	1.53	71.48M
	8146.00	6.64	71.48	8094.57	-44.41	163.87	856.77	872.30	79.17	1.05	76.27M
	8241.00	7.98	76.27	8188.80	-46.09	167.18	868.39	884.33	79.10	1.55	78.37M
	8336.00	6.96	78.37	8282.99	-47.13	169.91	880.43	896.68	79.08	1.11	77.19M
	8430.00	5.52	77.19	8376.43	-47.88	172.06	890.42	908.89	79.06	1.54	77.66M
	8525.00	4.53	77.66	8471.07	-48.56	173.87	898.54	915.21	79.05	1.04	80.09M
	8619.00	3.91	80.09	8564.81	-48.96	175.22	905.32	922.12	79.05	0.69	95.11M
	8714.00	3.99	95.11	8659.59	-48.33	175.48	911.81	928.54	79.11	1.09	105.12M
	8809.00	4.80	105.12	8754.31	-46.03	174.15	918.94	935.29	79.27	1.17	111.6M
	8903.00	3.31	111.60	8848.07	-43.16	172.12	925.26	941.13	79.46	1.66	108.41M
	8998.00	3.06	108.41	8942.93	-40.68	170.31	930.21	945.67	79.62	0.32	106.54M
	9072.00	2.96	106.54	9016.82	-39.01	169.15	933.92	949.11	79.73	0.19	117.74M
	9120.00	2.73	117.74	9064.77	-37.83	168.26	936.12	951.12	79.81	1.25	161.2M
	9167.00	5.39	161.20	9111.65	-35.01	165.65	937.82	952.34	79.98	8.28	174.68M
	9214.00	10.03	174.68	9158.22	-28.75	159.48	938.91	952.36	80.36	10.53	3.4R
	9262.00	14.69	175.77	9205.09	-18.50	149.24	939.75	951.52	80.98	9.72	0.95L
	9309.00	19.51	175.53	9250.00	-4.71	135.47	940.80	950.50	81.81	10.26	6.39L
	9357.00	24.67	174.15	9294.46	13.32	117.50	942.45	949.74	82.89	10.80	6.56R
	9404.00	29.57	175.29	9336.28	34.71	96.17	944.40	949.28	84.19	10.48	1.72L
	9451.00	35.61	174.98	9375.87	59.98	70.96	946.55	949.21	85.71	12.86	0.91L
	9498.00	41.01	174.85	9412.73	89.07	41.95	949.13	950.06	87.47	11.49	3.69R
	9546.00	47.42	175.41	9447.12	122.48	8.61	951.97	952.00	89.48	13.38	5.69R
	9593.00	52.61	176.06	9477.31	158.40	-27.29	954.63	955.02	91.64	11.09	6.39R
	9640.00	58.00	176.77	9504.05	196.92	-65.84	957.04	959.30	93.94	11.54	4.61L
	9687.00	62.52	176.36	9527.36	237.59	-106.57	959.49	965.39	96.34	9.65	8.95L
	9735.00	67.76	175.47	9547.53	281.03	-149.99	962.60	974.21	98.86	11.05	1.65L
	9782.00	73.42	175.30	9563.15	325.27	-194.16	966.17	985.48	101.36	12.05	5.83L
	9830.00	79.30	174.69	9574.46	371.84	-240.60	970.24	999.62	103.93	12.31	11.92R
	9877.00	83.54	175.59	9579.98	408.36	-277.05	973.33	1012.00	105.89	11.71	21.48L
	9904.00	86.97	174.24	9583.04	445.18	-313.77	976.60	1025.77	107.81	9.96	55.83R
	9920.00	87.40	174.87	9583.83	461.15	-329.68	978.12	1032.18	108.63	4.75	55.8R
	9998.00	89.48	177.93	9585.95	538.89	-407.48	983.01	1064.12	112.52	4.75	34R
	10093.00	90.34	178.51	9586.10	633.34	-502.44	985.96	1106.60	117.00	1.09	112.21L
	10187.00	89.45	176.33	9586.27	726.93	-596.34	990.20	1155.90	121.06	2.50	19.55R
	10282.00	90.83	176.82	9586.04	821.64	-691.16	995.87	1212.21	124.76	1.54	8.26R
	10377.00	92.00	176.99	9583.70	916.27	-785.99	1001.00	1272.71	128.14	1.24	123.92R
	10471.00	90.89	178.64	9581.33	1009.77	-879.89	1004.58	1335.44	131.21	2.12	78.12R
	10566.00	91.14	179.83	9579.64	1104.01	-974.87	1005.85	1400.75	134.10	1.28	165.8L
	10660.00	90.31	179.62	9578.45	1197.17	-1068.86	1006.30	1468.02	136.73	0.91	25.34R
	10755.00	90.69	179.80	9577.62	1291.33	-1163.85	1006.78	1538.88	139.14	0.44	153.44L
	10850.00	90.65	179.78	9576.51	1385.46	-1258.84	1007.13	1612.14	141.34	0.05	139.02L
	10944.00	89.66	178.92	9576.26	1478.71	-1352.84	1008.19	1687.19	143.30	1.40	82.73R
	11039.00	89.97	181.35	9576.57	1572.77	-1447.83	1007.97	1764.15	145.15	2.58	105.41L
	11133.00	89.62	180.08	9576.90	1665.70	-1541.82	1006.80	1841.42	146.86	1.40	85.65L
	11228.00	89.69	179.16	9577.47	1759.88	-1636.81	1007.43	1922.00	148.39	0.97	71.57R
	11322.00	89.79	179.46	9577.90	1853.13	-1730.80	1008.56	2003.22	149.77	0.34	39.76R
	11511.00	91.10	180.55	9576.43	2040.32	-1919.79	1008.54	2168.59	152.29	0.90	120.63R
	11806.00	90.65	181.31	9574.98	2134.16	-2014.77	1007.00	2252.41	153.44	0.93	79.21L
	11701.00	90.69	181.10	9573.87	2227.97	-2109.74	1005.00	2336.89	154.53	0.23	147.61L
	11795.00	89.35	180.25	9573.84	2320.92	-2203.73	1003.90	2421.62	155.51	1.69	107.41L
	11890.00	89.14	179.58	9575.09	2415.02	-2298.72	1004.04	2508.43	156.41	0.74	129.42L
	11984.00	88.45	178.74	9577.07	2508.29	-2392.69	1005.42	2595.35	157.21	1.16	66.04R
	12079.00	88.93	179.82	9579.24	2602.51	-2487.65	1006.61	2683.60	157.97	1.24	145.01R
	12173.00	88.73	179.96	9581.16	2695.62	-2581.64	1006.79	2771.00	158.70	0.26	4.18L
	12268.00	89.14	179.93	9582.92	2789.72	-2676.62	1006.88	2859.74	159.38	0.43	17.7R
	12363.00	90.55	180.38	9583.18	2883.77	-2771.62	1006.62	2948.75	160.04	1.56	179.35R
	12457.00	88.80	180.40	9583.71	2976.78	-2865.61	1005.98	3037.06	160.66	1.86	163.79R
	12551.00	88.25	180.56	9586.13	3069.75	-2959.57	1005.20	3125.62	161.24	0.61	38L
	12646.00	89.62	179.49	9587.90	3163.82	-3054.55	1005.16	3215.68	161.79	1.83	83.76L
	12740.00	89.69	178.85	9588.47	3257.10	-3148.54	1006.52	3305.51	162.27	0.68	78.44R
	12835.00	90.14	181.05	9588.61	3351.20	-3243.53	1006.60	3396.14	162.76	2.36	111.6L
	12929.00	89.76	180.09	9588.69	3444.17	-3337.53	1005.66	3485.75	163.23	1.10	77.28L
	13024.00	89.90	179.47	9588.97	3538.32	-3432.53	1006.03	3576.92	163.66	0.67	63.73R
	13119.00	90.28	180.24	9588.82	3632.44	-3527.53	1006.27	3668.24	164.08	0.90	101.31L
	13213.00	90.24	180.04	9588.39	3725.52	-3621.52	1006.04	3758.66	164.47	0.22	142.43L
	13307.00	89.72	179.64	9588.43	3818.66	-3715.52	1006.30	3849.38	164.85	0.70	48.74R
	13402.00	90.72	180.78	9588.06	3912.70	-3810.52	1005.95	3941.07	165.21	1.60	109.43L
	13497.00	90.24	179.42	9587.27	4006.77	-3905.51	1005.79	4032.95	165.56	1.52	166.87L
	13591.00	89.21	178.98	9587.72	4100.04	-3999.50	1007.10	4124.35	165.87	1.19	20.34R
	13780.00	90.10	179.31	9588.86	4287.61	-4188.47	1009.92	4308.51	166.44	0.50	119.41R
	13875.00	89.79	179.86	9588.95	4381.79	-4283.47	1010.61	4401.08	166.72	0.66	7.97L
	13970.00	90.79	179.72	9588.47	4475.94	-4378.47	1010.96	4493.66	167.00	1.06	45R
	14064.00	90.89	179.82	9587.09	4569.08	-4472.46	1011.33	4585.38	167.26	0.15	97.95L
	14159.00	90.76	178.89	9585.72	4663.31	-4567.44	1012.40	4678.30	167.50	0.99	168.23R
	14253.00	90.52	178.94	9584.67	4756.64	-4661.42	1014.18	4770.47	167.73	0.26	76.7R
	14348.00	90.65	179.49	9583.70	4850.90	-4756.40	1015.49	4863.60	167.95	0.59	90L
	14443.00	90.65									

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	15011.00	90.76	180.16	9578.94	5508.05	-5419.33	1019.33	5514.36	169.35	0.90	26.56L
	15105.00	90.86	180.11	9577.61	5601.11	-5513.32	1019.11	5606.72	169.53	0.12	117.3L
	15200.00	90.38	179.18	9576.59	5695.28	-5608.31	1019.70	5700.26	169.70	1.10	59.2R
	15294.00	90.69	179.70	9575.71	5788.50	-5702.30	1020.62	5792.92	169.85	0.64	63.43L
	15389.00	90.86	179.36	9574.42	5882.70	-5797.29	1021.40	5886.58	170.01	0.40	115.44R
	15484.00	89.97	181.23	9573.73	5976.72	-5892.28	1020.91	5980.07	170.17	2.18	101.37L
	15578.00	89.55	179.14	9574.13	6069.77	-5986.28	1020.60	6072.66	170.32	2.27	10.15R
	15673.00	91.17	179.43	9573.53	6164.02	-6081.26	1021.79	6166.51	170.46	1.73	129.99R
	15767.00	89.97	180.86	9572.60	6257.08	-6175.26	1021.55	6259.18	170.61	1.99	26.7L
	15862.00	91.62	180.03	9571.28	6351.06	-6270.24	1020.81	6352.79	170.75	1.94	160.83L
	15956.00	90.21	179.54	9569.78	6444.20	-6364.22	1021.17	6445.63	170.88	1.59	176.07R
	16051.00	88.90	179.63	9570.51	6538.38	-6459.22	1021.85	6539.55	171.01	1.38	25.71L
	16145.00	89.17	179.50	9572.10	6631.57	-6553.20	1022.57	6632.50	171.13	0.32	87.37R
	16240.00	89.21	180.37	9573.44	6725.67	-6648.19	1022.68	6726.39	171.25	0.92	11.31L
	16334.00	90.31	180.15	9573.83	6818.72	-6742.19	1022.25	6819.24	171.38	1.19	177.21R
	16429.00	89.90	180.17	9573.66	6912.78	-6837.19	1021.98	6913.14	171.50	0.43	153.44L
	16523.00	89.72	180.08	9573.97	7005.85	-6931.18	1021.78	7006.09	171.61	0.21	53.62L
	16618.00	90.00	179.70	9574.20	7099.97	-7026.18	1021.96	7100.12	171.72	0.50	141.12R
	16712.00	89.69	179.95	9574.46	7193.12	-7120.18	1022.25	7193.19	171.83	0.42	45.69R
	16806.00	91.72	182.03	9573.30	7285.97	-7214.15	1020.62	7285.99	171.95	3.09	114.08L
Last Survey	16920.00	90.31	178.88	9571.28	7398.72	-7328.11	1019.72	7398.72	172.08	3.03	HS
Proj to Blt	16962.00	90.31	178.88	9571.05	7440.43	-7370.10	1020.54	7440.43	172.12	0.00	

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	28.000	1/98.425	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Foreigner 33_4 W0KN Fee No. 1H / Mewbourne Foreigner 33_4 W0KN Fee No. 1H MWD Off to Foreigner 33_4 W0KN Fee No.
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT-Depth Only	1H / Mewbourne Foreigner 33_4 W0KN Fee No. 1H MWD Off to Foreigner 33_4 W0KN Fee No.
	1	28.000	480.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT	1H / Mewbourne Foreigner 33_4 Foreigner 33_4 W0KN Fee No.
	1	480.000	2525.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	1H / Mewbourne Foreigner 33_4 Foreigner 33_4 W0KN Fee No.
	1	2525.000	9920.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	1H / Mewbourne Foreigner 33_4 Foreigner 33_4 W0KN Fee No.
	1	9920.000	16962.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	1H / Mewbourne Foreigner 33_4 1H / Mewbourne Foreigner 33_4

Borehole:			Well:			Foreigner 33_4 W0KN Fee No. 1H			Field:			NM Eddy County (NAD 83)			Structure:		
Foreigner 33_4 W0KN Fee No. 1H			Foreigner 33_4 W0KN Fee No. 1H			Foreigner 33_4 W0KN Fee No. 1H			Foreigner 33_4 W0KN Fee No. 1H			Foreigner 33_4 W0KN Fee No. 1H			Foreigner 33_4 W0KN Fee No. 1H		
Gravity & Magnetic Parameters			Surface Location			Surface Location			Surface Location			Surface Location			Surface Location		
Model:	HOGM 2019	Dip: 59.963°	Date: 22-Nov-2019	Lat: N 32 15 39.50	North: NAD83	North: US Feet	Grid Conv:	0.1261°	Slot: New Slot	TVD Ref:	0.0000	0.00	0.00	0.00	0.00	0.00	
MagDec:	7.091°	FS: 47840.722nT	Gravity FS: 999.465mgal (9.80665 Based)	Long: W 104 5 49.75	East: 61434.3RUS	Scale Fact:	0.9999152	Plan: Mewbourne Foreigner 33_4 W0KN Fee No. 1H Rev2 LC 14Nov19									
Critical Points																	
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS									
SHL [2450' FSL, 1180' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
13-3/8" Casing	500.00	0.00	78.99	500.00	0.00	0.00	0.00	0.00									
KOP, Build 1.5" DLS	600.00	0.00	78.99	600.00	0.00	0.00	0.00	0.00									
Hold	942.33	6.85	78.99	941.51	-1.10	3.90	20.05	2.00									
Drop 1.5" DLS	8590.35	6.85	78.99	8535.00	-50.36	178.00	915.00	0.00									
Hold Vertical	8932.68	0.00	78.99	8876.51	-51.46	181.90	935.05	2.00									
Build/Turn 12" DLS	9160.88	0.00	78.99	9104.51	-51.46	181.90	935.05	0.00									
Landing Point	9912.05	90.16	173.00	9562.00	427.30	-293.35	993.41	12.00									
Hold to PBHL	10330.00	90.16	179.97	9580.83	843.77	-710.26	1019.03	1.67									
PBHL [330' FSL, 2200' FWL]	16979.41	90.16	179.97	9562.00	7430.37	-7359.64	1022.79	0.00									

