



NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 28 2014

RECEIVED

August 14, 2014

New Mexico Energy, Minerals and Natural Resources Department

Attn: Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Mewbourne Oil Company

Ruger 31 LI Federal Com #001H

Winchester; Bone Spring

Eddy County, New Mexico

API# 30-015-41679

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Ryan Steglich	Original Hole	8,306 ft. to 13,126 ft.	07-11-14 to 07-22-14	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Todd Estes

Enclosures

CC:

Mewbourne Oil Company

Attn: Frosty Lathan

P.O. Box 5720

Hobbs, NM 88241

Mewbourne Oil Company

Attn: Robin Terrell

P.O. Box 5720

Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Ruger 31 LI Federal Com #1H\M141145

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	8950.00	97.27	4.52	7102.75	1983.10	1984.39	-14.53	1984.45	359.58	1.97	178.03R
	9045.00	94.37	4.62	7093.11	2076.88	2078.59	-7.00	2078.60	359.81	3.05	178.31L
	9139.00	90.31	4.50	7089.28	2170.06	2172.20	0.47	2172.20	0.01	4.32	167.08L
	9234.00	87.87	3.94	7090.78	2264.38	2266.92	7.46	2266.93	0.19	2.64	66.97L
	9331.00	88.04	3.54	7094.25	2360.74	2363.65	13.78	2363.69	0.33	0.45	37.63L
	9426.00	89.00	2.80	7096.70	2455.24	2458.47	19.03	2458.55	0.44	1.28	85.25L
	9521.00	89.11	1.48	7098.27	2549.91	2553.39	22.58	2553.49	0.51	1.39	95.14L
	9614.00	89.04	0.70	7099.77	2642.71	2646.36	24.35	2646.47	0.53	0.84	99.47L
	9710.00	88.87	359.68	7101.52	2738.59	2742.34	24.67	2742.45	0.52	1.08	97.22L
	9805.00	88.76	358.81	7103.48	2833.52	2837.31	23.41	2837.41	0.47	0.92	106.9L
	9900.00	88.59	358.25	7105.68	2928.48	2932.26	20.98	2932.33	0.41	0.62	87.94L
	9995.00	88.62	357.42	7107.99	3023.45	3027.16	17.39	3027.21	0.33	0.87	94.84L
	10090.00	88.56	356.71	7110.33	3118.42	3122.01	12.53	3122.03	0.23	0.75	60.46L
	10184.00	88.90	356.11	7112.41	3212.38	3215.80	6.64	3215.81	0.12	0.73	15.02L
	10278.00	89.31	356.00	7113.88	3306.34	3309.56	0.18	3309.56	0.00	0.45	104.66L
	10373.00	89.14	355.35	7115.17	3401.28	3404.28	-6.99	3404.29	359.88	0.71	88.97L
	10471.00	89.17	353.70	7116.61	3499.14	3501.82	-16.34	3501.86	359.73	1.68	97.05L
	10560.00	88.97	352.08	7118.06	3587.84	3590.12	-27.35	3590.23	359.56	1.83	81.92L
	10654.00	89.28	349.90	7119.49	3681.22	3682.95	-42.07	3683.19	359.35	2.34	56.43L
	10749.00	90.03	348.77	7120.07	3775.26	3776.30	-59.65	3776.77	359.10	1.43	13.35L
	10843.00	90.62	348.63	7119.53	3868.16	3868.48	-78.07	3869.27	358.84	0.65	116.56R
	10937.00	90.31	349.25	7118.77	3961.11	3960.73	-96.10	3961.90	358.61	0.74	109.9R
	11032.00	89.72	350.88	7118.74	4055.32	4054.30	-112.49	4055.86	358.41	1.82	84.97R
	11127.00	89.86	352.47	7119.09	4149.83	4148.30	-126.24	4150.22	358.26	1.68	95.4R
	11222.00	89.79	353.21	7119.38	4244.52	4242.55	-138.08	4244.80	358.14	0.78	97R
	11316.00	89.72	353.78	7119.78	4338.29	4335.95	-148.73	4338.50	358.04	0.61	39.81L
	11417.00	90.14	353.43	7119.91	4439.06	4436.32	-159.98	4439.20	357.93	0.54	112.99L
	11509.00	90.00	353.10	7119.80	4530.81	4527.68	-170.77	4530.90	357.84	0.39	116.57R
	11603.00	89.97	353.16	7119.82	4624.54	4621.01	-182.02	4624.59	357.74	0.07	140.71R
	11699.00	89.86	353.25	7119.96	4720.27	4716.33	-193.37	4720.30	357.65	0.15	164.05R
Last Survey Projection to TD	11727.00	89.72	353.29	7120.07	4748.20	4744.14	-196.66	4748.22	357.63	0.52	HS
	11794.00	89.72	353.29	7120.39	4815.02	4810.68	-204.48	4815.03	357.57	0.00	

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
		0.000	18.000		Act Stns	30.000	30.000	SLB_MWD-POOR-Depth Only		Original Borehole / Cimarex Marquardt 1 Federal #13H MWD	
		18.000	6493.000		Act Stns	30.000	30.000	SLB_MWD-POOR		Original Borehole / Cimarex Marquardt 1 Federal #13H MWD	
		6493.000	11222.000		Act Stns	30.000	30.000	SLB_MWD-STD		Original Borehole / Cimarex Marquardt 1 Federal #13H MWD	
		11222.000	11794.000		Act Stns	30.000	30.000	SLB_BLIND+TREND		Original Borehole / Cimarex Marquardt 1 Federal #13H MWD	