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AUG 21 2018

December 5, 2014

DISTRICT II-ARTESIA O.C.D.

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
Glock 17 B2EH Federal #001H
WC-015-G-04 S202920D; Bone Spring
Eddy County, New Mexico
API# 30-015-42664

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>
Noah Townsend	Original Hole	7,185 ft. to 12,074 ft.	10-21-14 to 10-31-14	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\Glock 17 B2EH Federal #1H\M141234

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



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Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Todd Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of October 21, 2014 thru October 31, 2014, conduct or supervise the taking of a SEDS MWD Survey from a depth of 7,185 feet to 12,074 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Glock 17 B2EH Federal #001H well, API # 30-015-42664 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Todd Estes

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Montgomery, TX 77356

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Job Number: M141234
 Company: Mewbourne Oil Company
 Lease/Well: Glock 17 B2EH Federal # 1 H
 Location: Eddy County
 Rig Name: Patterson # 41
 RKB: N/A
 G.L. or M.S.L.: N/A

State/Country: New Mexico / USA
 Declination: 7.36° Corrected To Grid
 Grid: 7.36°
 File name: C:\WINSERVE\DOCS\M141234.SVY
 Date/Time: 04-Dec-14 / 15:03
 Curve Name: SES MWD SURVEY RAN ON 10-21-14

Styker Energy Directional Services, LLC.

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
Distance FT	Direction Deg								
Tie-In Data Provided by MS Gyro Survey									
7070.00	1.08	120.24	7065.53	110.09	127.53	110.09	168.47	49.20	.00
7185.00	1.80	116.80	7180.49	108.73	130.08	108.73	169.54	50.11	.63
7217.00	6.00	115.00	7212.41	107.80	132.04	107.80	170.46	50.77	13.13
7249.00	11.40	116.20	7244.03	105.69	136.40	105.69	172.56	52.23	16.88
7280.00	17.30	113.50	7274.05	102.50	143.38	102.50	176.25	54.44	19.15
7312.00	21.20	111.70	7304.26	98.46	153.13	98.46	182.05	57.26	12.33
7343.00	22.30	108.20	7333.05	94.55	163.92	94.55	189.24	60.02	5.48
7375.00	23.50	108.80	7362.53	90.60	175.73	90.60	197.71	62.73	3.82
7406.00	26.40	108.10	7390.63	86.46	188.13	86.46	207.05	65.32	9.40
7438.00	31.10	105.20	7418.68	82.08	202.88	82.08	218.86	67.97	15.32
7469.00	34.30	102.00	7444.77	78.17	219.16	78.17	232.68	70.37	11.73
7501.00	36.50	100.70	7470.85	74.53	237.33	74.53	248.76	72.57	7.27
7532.00	38.50	99.90	7495.44	71.15	255.90	71.15	265.60	74.46	6.64
7564.00	42.40	100.30	7519.79	67.51	276.33	67.51	284.46	76.27	12.21
7595.00	45.80	100.90	7542.05	63.54	297.53	63.54	304.24	77.95	11.05
7627.00	48.10	101.50	7563.89	59.00	320.47	59.00	325.85	79.57	7.32
7658.00	49.50	102.30	7584.31	54.18	343.29	54.18	347.54	81.03	4.92
7690.00	52.50	102.30	7604.45	48.89	367.59	48.89	370.82	82.42	9.37
7721.00	55.80	100.80	7622.60	43.86	392.20	43.86	394.65	83.62	11.34
7753.00	59.10	99.60	7639.81	39.09	418.74	39.09	420.57	84.67	10.79
7785.00	62.00	99.10	7655.55	34.57	446.24	34.57	447.57	85.57	9.16
7816.00	64.60	99.40	7669.47	30.12	473.57	30.12	474.53	86.36	8.43
7848.00	67.50	98.00	7682.46	25.70	502.47	25.70	503.13	87.07	9.91
7879.00	70.00	95.30	7693.70	22.36	531.17	22.36	531.64	87.59	11.44

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7910.00	73.00	93.40	7703.54	20.13	560.48	20.13	560.84	87.94	11.29
7942.00	76.20	90.00	7712.03	19.23	591.30	19.23	591.62	88.14	14.31
7974.00	79.30	89.00	7718.82	19.50	622.57	19.50	622.88	88.21	10.16
8005.00	81.80	88.30	7723.91	20.22	653.14	20.22	653.45	88.23	8.37
8037.00	82.50	88.00	7728.28	21.24	684.82	21.24	685.15	88.22	2.38
8085.00	88.30	88.10	7732.13	22.87	732.62	22.87	732.98	88.21	12.09
8180.00	89.80	87.50	7733.71	26.52	827.53	26.52	827.96	88.16	1.70
8275.00	84.50	85.40	7738.43	32.39	922.19	32.39	922.76	87.99	6.00
8369.00	88.00	87.70	7744.58	38.03	1015.80	38.03	1016.51	87.86	4.45
8464.00	90.00	87.10	7746.23	42.33	1110.68	42.33	1111.49	87.82	2.20
8559.00	88.50	86.70	7747.48	47.47	1205.53	47.47	1206.47	87.74	1.63
8653.00	88.50	85.80	7749.94	53.62	1299.30	53.62	1300.41	87.64	.96
8748.00	88.80	84.80	7752.18	61.40	1393.95	61.40	1395.30	87.48	1.10
8843.00	88.60	83.80	7754.33	70.83	1488.46	70.83	1490.14	87.28	1.07
8937.00	87.10	85.90	7757.86	79.26	1582.00	79.26	1583.99	87.13	2.74
9032.00	87.90	88.60	7762.00	83.82	1676.80	83.82	1678.89	87.14	2.96
9126.00	89.20	89.70	7764.38	85.21	1770.75	85.21	1772.80	87.25	1.81
9221.00	89.70	89.20	7765.29	86.12	1865.74	86.12	1867.73	87.36	.74
9315.00	90.20	87.30	7765.38	88.99	1959.69	88.99	1961.71	87.40	2.09
9410.00	90.40	85.40	7764.88	95.04	2054.50	95.04	2056.69	87.35	2.01
9504.00	89.50	86.20	7764.96	101.92	2148.24	101.92	2150.66	87.28	1.28
9599.00	88.60	87.30	7766.54	107.31	2243.07	107.31	2245.64	87.26	1.50
9694.00	87.10	88.40	7770.10	110.87	2337.93	110.87	2340.56	87.28	1.96
9788.00	88.00	89.90	7774.12	112.26	2431.83	112.26	2434.42	87.36	1.86
9883.00	88.30	88.80	7777.19	113.34	2526.78	113.34	2529.32	87.43	1.20
9977.00	89.10	87.80	7779.32	116.13	2620.71	116.13	2623.28	87.46	1.36
10072.00	88.70	89.20	7781.14	118.62	2715.66	118.62	2718.25	87.50	1.53
10166.00	86.20	89.20	7785.32	119.93	2809.55	119.93	2812.11	87.56	2.66
10261.00	87.40	89.20	7790.63	121.25	2904.39	121.25	2906.92	87.61	1.26
10356.00	88.10	89.40	7794.36	122.41	2999.31	122.41	3001.80	87.66	.77
10451.00	88.60	88.90	7797.09	123.82	3094.26	123.82	3096.73	87.71	.74
10546.00	89.40	87.70	7798.75	126.64	3189.20	126.64	3191.71	87.73	1.52
10640.00	91.00	87.00	7798.42	130.98	3283.09	130.98	3285.71	87.72	1.86
10735.00	92.30	86.70	7795.69	136.20	3377.91	136.20	3380.65	87.69	1.40
10830.00	90.30	87.50	7793.53	141.01	3472.76	141.01	3475.62	87.67	2.27
10924.00	91.00	87.00	7792.46	145.51	3566.64	145.51	3569.61	87.66	.92
11019.00	88.60	86.30	7792.80	151.07	3661.47	151.07	3664.59	87.64	2.63
11114.00	89.30	85.60	7794.54	157.77	3756.22	157.77	3759.53	87.59	1.04
11208.00	88.50	86.40	7796.34	164.33	3849.97	164.33	3853.47	87.56	1.20
11303.00	86.50	87.30	7800.49	169.55	3944.73	169.55	3948.37	87.54	2.31
11398.00	87.50	86.70	7805.46	174.51	4039.47	174.51	4043.24	87.53	1.23
11492.00	87.60	85.30	7809.48	181.06	4133.15	181.06	4137.11	87.49	1.49
11587.00	89.20	86.00	7812.13	188.26	4227.84	188.26	4232.03	87.45	1.84
11681.00	89.80	85.30	7812.95	195.39	4321.56	195.39	4325.98	87.41	.98
11790.00	91.10	84.30	7812.09	205.27	4430.11	205.27	4434.86	87.35	1.50

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
11885.00	92.40	84.60	7809.19	214.46	4524.61	214.46	4529.69	87.29	1.40
11979.00	91.20	85.60	7806.24	222.48	4618.22	222.48	4623.58	87.24	1.66
12074.00	91.30	85.60	7804.17	229.77	4712.92	229.77	4718.52	87.21	.11
Projection									
12145.00	91.30	85.60	7802.56	235.21	4783.69	235.21	4789.47	87.19	.00



COMPANY: Mewbourne Oil Company
 WELL: Glock 17 B2EH Federal #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #41



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.33°

OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001					
3274 + 20 @ 3294.0usft (Patterson #41)					
GROUND ELEVATION: 3274.0					
+N/-S	+E/-W	Northng	Easting	Latitude	Longitude
0.0	0.0	572707.50	570420.50	32° 34' 27.378 N	104° 6' 17.030 W

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	7070.0	1.08	120.24	7065.5	110.1	127.5	0.00	0.00	132.4	
2	7158.0	1.08	120.24	7153.5	109.3	129.0	0.00	0.00	133.8	
3	7855.0	50.00	105.48	7588.5	52.8	328.8	9.85	-15.00	330.8	
4	8073.2	88.88	89.24	7734.1	10.8	708.8	9.90	-25.00	708.6	
5	8180.8	88.60	87.09	7738.7	14.2	818.4	2.00	-92.19	816.2	
6	12160.1	88.60	87.09	7834.0	216.1	4789.4	0.00	0.00	4794.2	PBHL Glock 17 B2EH Fed #1H

