



July 6, 2015

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
Perazzi 9 B2EH Federal #001H
Parkway; Bone Spring
Eddy County, New Mexico
API# 30-015-42970

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>
Chris Alley	Original Hole	Surface to 7,255ft.	06-19-2015	Gyro 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\Perazzi 9 B2EH Federal #1H\M151057

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



July 6, 2015

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 June 19, 2015, conduct or supervise the taking of a SEDS Gyro Survey from Surface to a depth of 7,255 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 Perazzi 9 B2EH Federal #001H well, API # **30-015-42970** 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.

A handwritten signature in black ink that reads "Todd Estes". The signature is written in a cursive, flowing style. Below the signature is a horizontal line.

Todd Estes

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Montgomery, TX 77356
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Stryker Directional

Perazzi 9 B2EH Fed #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 B2EH Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	Mean Sea Level (System)
Site:	Perazzi 9 B2EH Fed #1H	MD Reference:	Mean Sea Level (System)
Well:	Perazzi 9 B2EH Fed #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project: Eddy County, New Mexico	
Map System:	US State Plane 1927 (Exact solution)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico East 3001
System Datum:	Mean Sea Level

Site		Perazzi 9 B2EH Fed #1H			
Site Position:		Northing:		0.00 usft	
From:	Map	Easting:		0.00 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
				Grid Convergence:	
				-0.82 °	
				Latitude:	
				30° 59' 24.512 N	
				Longitude:	
				105° 55' 44.137 W	

Well:		Perazzi 9 B2EH Fed #1H				
Well Position	+N-S	0.0 usft	Northing:	0.00 usft	Latitude:	30° 59' 24.512 N
	+E-W	0.0 usft	Easting:	0.00 usft	Longitude:	105° 55' 44.137 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	6/30/2015	7.23	58.52	47,152

Design:	Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	89.73	

Survey Program		Date	6/30/2015		
From	To				
(usft)	(usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,255.0	Stryker Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	

Stryker Directional Perazzi 9 B2EH Fed #1H

Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Perazzi 9 B2EH Fed #1H
Well: Perazzi 9 B2EH Fed #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Perazzi 9 B2EH Fed #1H
TVD Reference: Mean Sea Level (System)
MD Reference: Mean Sea Level (System)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.11	225.21	-0.1	-0.1	100.0	-0.1	0.1	225.21	0.11
200.0	0.31	211.81	-0.4	-0.3	200.0	-0.3	0.5	217.37	0.20
300.0	0.96	201.42	-1.4	-0.7	300.0	-0.7	1.6	207.88	0.66
400.0	0.90	175.16	-2.9	-1.0	400.0	-1.0	3.1	198.22	0.43
500.0	0.86	179.60	-4.5	-0.9	500.0	-0.9	4.6	191.33	0.08
600.0	0.85	167.15	-5.9	-0.7	600.0	-0.8	6.0	186.96	0.19
700.0	0.95	122.40	-7.1	0.1	699.9	0.1	7.1	178.88	0.69
800.0	1.78	100.80	-7.8	2.4	799.9	2.3	8.2	163.23	0.96
900.0	1.99	96.28	-8.3	5.6	899.9	5.6	10.0	146.00	0.26
1,000.0	1.88	95.08	-8.7	9.0	999.8	8.9	12.5	133.98	0.12
1,100.0	1.58	84.48	-8.7	12.0	1,099.8	11.9	14.8	125.90	0.44
1,200.0	1.15	85.73	-8.5	14.4	1,199.7	14.3	16.7	120.54	0.43
1,300.0	0.84	74.41	-8.2	16.1	1,299.7	16.0	18.0	117.03	0.37
1,400.0	0.95	79.24	-7.8	17.6	1,399.7	17.5	19.3	114.04	0.13
1,500.0	1.24	80.52	-7.5	19.5	1,499.7	19.4	20.9	111.10	0.29
1,600.0	1.40	65.34	-6.8	21.6	1,599.7	21.6	22.7	107.50	0.38
1,700.0	1.55	74.21	-5.9	24.1	1,699.6	24.0	24.8	103.88	0.27
1,800.0	1.28	73.22	-5.3	26.4	1,799.6	26.4	26.9	101.25	0.27
1,900.0	0.85	66.63	-4.6	28.2	1,899.6	28.2	28.6	99.35	0.45
2,000.0	0.68	63.20	-4.1	29.4	1,999.6	29.4	29.7	97.90	0.18
2,100.0	0.66	42.68	-3.4	30.3	2,099.6	30.3	30.5	96.38	0.24
2,200.0	0.87	21.51	-2.3	31.0	2,199.6	31.0	31.1	94.17	0.35
2,300.0	0.84	58.39	-1.2	31.9	2,299.5	31.9	31.9	92.09	0.54
2,400.0	0.91	52.12	-0.3	33.1	2,399.5	33.1	33.1	90.51	0.12
2,500.0	1.15	47.83	0.9	34.5	2,499.5	34.5	34.5	88.56	0.25
2,600.0	1.29	28.62	2.5	35.8	2,599.5	35.8	35.9	85.96	0.43

Stryker Directional
Perazzi 9 B2EH Fed #1H

Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Perazzi 9 B2EH Fed #1H
Well: Perazzi 9 B2EH Fed #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Perazzi 9 B2EH Fed #1H
TVD Reference: Mean Sea Level (System)
MD Reference: Mean Sea Level (System)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
2,700.0	1.02	27.80	4.3	36.7	2,699.5	36.8	37.0	83.32	0.27
2,800.0	0.97	31.78	5.8	37.6	2,799.5	37.6	38.0	81.21	0.09
2,900.0	0.49	22.74	6.9	38.2	2,899.5	38.2	38.8	79.73	0.49
3,000.0	0.17	22.42	7.5	38.4	2,999.4	38.5	39.1	79.02	0.32
3,100.0	0.28	327.32	7.8	38.4	3,099.4	38.4	39.1	78.51	0.23
3,200.0	0.28	305.36	8.1	38.0	3,199.4	38.1	38.9	77.91	0.11
3,300.0	0.22	287.84	8.3	37.6	3,299.4	37.7	38.6	77.50	0.10
3,400.0	0.18	300.91	8.5	37.3	3,399.4	37.4	38.3	77.19	0.06
3,500.0	0.12	272.79	8.6	37.1	3,499.4	37.1	38.1	76.98	0.09
3,600.0	0.21	273.65	8.6	36.8	3,599.4	36.8	37.8	76.86	0.09
3,700.0	0.30	284.55	8.7	36.4	3,699.4	36.4	37.4	76.59	0.10
3,800.0	0.34	303.64	8.9	35.9	3,799.4	35.9	36.9	76.07	0.11
3,900.0	0.32	295.42	9.2	35.4	3,899.4	35.4	36.5	75.45	0.05
4,000.0	0.34	283.26	9.4	34.8	3,999.4	34.9	36.1	74.94	0.07
4,100.0	0.35	290.20	9.5	34.2	4,099.4	34.3	35.5	74.43	0.04
4,200.0	0.29	296.96	9.8	33.7	4,199.4	33.8	35.1	73.86	0.07
4,300.0	0.56	298.46	10.1	33.1	4,299.4	33.1	34.6	73.00	0.27
4,400.0	0.69	306.21	10.7	32.2	4,399.4	32.2	33.9	71.60	0.15
4,500.0	0.81	306.69	11.5	31.1	4,499.4	31.2	33.2	69.75	0.12
4,600.0	0.95	304.91	12.4	29.9	4,599.4	29.9	32.3	67.49	0.14
4,700.0	1.02	307.69	13.4	28.5	4,699.4	28.5	31.5	64.81	0.08
4,800.0	1.13	304.71	14.5	27.0	4,799.4	27.0	30.6	61.73	0.12
4,900.0	1.13	308.05	15.7	25.4	4,899.4	25.4	29.8	58.31	0.07
5,000.0	0.88	303.42	16.7	24.0	4,999.3	24.0	29.2	55.13	0.26
5,100.0	1.23	310.89	17.8	22.5	5,099.3	22.6	28.7	51.62	0.38
5,200.0	1.19	306.04	19.1	20.9	5,199.3	20.9	28.3	47.46	0.11
5,300.0	1.32	309.82	20.5	19.1	5,299.3	19.2	28.0	43.04	0.15

Stryker Directional

Perazzi 9 B2EH Fed #1H

Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Perazzi 9 B2EH Fed #1H
 Well: Perazzi 9 B2EH Fed #1H
 Wellbore: Original Hole
 Design: Original Hole

Local Co-ordinate Reference: Well Perazzi 9 B2EH Fed #1H
 TVD Reference: Mean Sea Level (System)
 MD Reference: Mean Sea Level (System)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Stryker_EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	N/S (usft)	E/W (usft)	TVD (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	
5,400.0	1.48	305.65	22.0	17.2	5,399.2	17.3	27.9	38.04	0.19	
5,500.0	1.76	305.73	23.6	14.9	5,499.2	15.0	27.9	32.24	0.28	
5,600.0	1.60	289.40	25.0	12.3	5,599.2	12.5	27.9	26.28	0.50	
5,700.0	1.58	307.54	26.3	9.9	5,699.1	10.1	28.1	20.69	0.50	
5,800.0	1.56	309.80	28.0	7.8	5,799.1	7.9	29.1	15.54	0.07	
5,900.0	1.46	315.98	29.8	5.9	5,899.1	6.0	30.4	11.12	0.19	
6,000.0	1.45	319.24	31.7	4.1	5,999.0	4.3	31.9	7.46	0.08	
6,100.0	1.23	325.33	33.5	2.7	6,099.0	2.9	33.6	4.62	0.26	
6,200.0	1.40	319.34	35.3	1.3	6,199.0	1.5	35.3	2.11	0.22	
6,300.0	1.08	318.02	36.9	-0.1	6,298.9	0.1	36.9	359.81	0.32	
6,400.0	1.13	289.52	38.0	-1.7	6,398.9	-1.5	38.0	357.46	0.55	
6,500.0	1.08	285.60	38.6	-3.5	6,498.9	-3.3	38.7	354.78	0.09	
6,600.0	1.01	273.72	38.9	-5.3	6,598.9	-5.1	39.2	352.22	0.23	
6,700.0	0.94	270.99	38.9	-7.0	6,698.9	-6.8	39.6	349.80	0.08	
6,800.0	0.81	262.72	38.9	-8.5	6,798.9	-8.3	39.8	347.62	0.18	
6,900.0	0.91	251.24	38.5	-10.0	6,898.9	-9.8	39.8	345.47	0.20	
7,000.0	0.89	223.42	37.7	-11.3	6,998.8	-11.1	39.3	343.36	0.43	
7,100.0	0.79	209.02	36.5	-12.1	7,098.8	-12.0	38.5	341.62	0.23	
7,200.0	0.93	188.26	35.1	-12.6	7,198.8	-12.4	37.3	340.28	0.34	
7,255.0	0.98	178.87	34.2	-12.6	7,253.8	-12.5	36.5	339.72	0.30	
7255' MD Stryker Gyro Survey Survey Depth										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,255.0	7,253.8	34.2	-12.6	7255' MD Stryker Gyro Survey Survey Depth