



PHOENIX

TECHNOLOGY SERVICES USA INC.

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

Celebrating 20 Years of Focused Solutions

November 21, 2016

Mewbourne Oil
Attention: Regulatory Department
701 S Cecil St
Hobbs, New Mexico 88240

NEW MEXICO OIL CONSERVATION
ARTESIA DISTRICT

APR 10 2017

RECEIVED

Re: Mewbourne Oil
Hollywood 28/33 W2IP Fed Com 1H
Eddy County, NM
API #30-015-43893
Job No. 60547

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced Well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Andy Askew	1H	0	9060	11/17/16	11/17/16	Gyro

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

APR 10 2017

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964

Company: Mewbourne OilJob #: 60547Well Name: Hollywood 28/33 W2IP Fed Com 1HCounty/State: Eddy/ NMSurvey Instrument Type: North Seek Rate GyroAPI # 30-015-43893**TIE-IN DATA**

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-11-17	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-11-17	9060	1.05	294.89

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.8

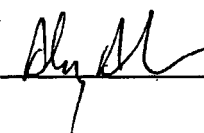
Gyro Operator: Phoenix Technology Services USA Ltd.Gyro Supervisor: Angel Guebara

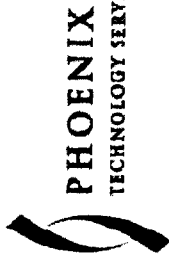
To the best of my knowledge I certify this survey data to be correct and true

Date:

11-17-16Print Name: Andy Askew

Signature:





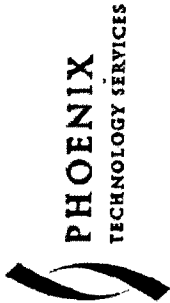
PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne Oil
Well: Hollywood 28/33 W2IP Fed Com 1H
Location: Eddy Co., NM
Rig: Patterson 243

Job Number: 60547
Grid Corr.: -0.08
Lat: 32.27
Long: -104.18

Date: 11-17-16
Calculation Method: Minimum Curvature
Proposed Azimuth: 26.6
RKB - MSL in feet: 26.6
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Gyro	100.00	0.42	328.60	100	100.00	0.31	0.31 N	0.19 W	0.37	328.60	0.42	0.42	328.60
	200.00	0.41	347.06	100	200.00	0.97	0.97 N	0.46 W	1.08	334.63	0.13	-0.01	18.46
	300.00	0.36	285.50	100	299.99	1.41	1.41 N	0.84 W	1.64	329.02	0.40	-0.05	-61.56
	400.00	1.46	77.79	100	399.99	1.76	1.76 N	0.10 E	1.76	3.17	1.79	1.10	-207.71
	500.00	2.23	84.83	100	499.93	2.21	2.21 N	3.28 E	3.95	56.09	0.80	0.77	7.04
	600.00	2.01	72.83	100	599.87	2.90	2.90 N	6.89 E	7.48	67.20	0.49	-0.22	-12.00
	700.00	2.35	79.64	100	699.79	3.78	3.78 N	10.59 E	11.24	70.33	0.43	0.34	6.81
	800.00	2.07	78.39	100	799.72	4.52	4.52 N	14.37 E	15.06	72.55	0.28	-0.28	-1.25
	900.00	2.56	77.28	100	899.64	5.37	5.37 N	18.32 E	19.09	73.66	0.49	0.49	-1.11
	1000.00	2.43	74.22	100	999.54	6.44	6.44 N	22.54 E	23.44	74.05	0.19	-0.13	-3.06
	1100.00	1.67	64.60	100	1099.48	7.64	7.64 N	25.89 E	27.00	73.56	0.83	-0.76	-9.62
	1200.00	1.13	309.18	100	1199.46	8.89	8.89 N	26.45 E	27.90	71.42	2.38	-0.54	244.58
	1300.00	1.26	329.62	100	1299.44	10.46	10.46 N	25.13 E	27.22	67.40	0.44	0.13	20.44
	1400.00	0.60	359.30	100	1399.43	11.93	11.93 N	24.56 E	27.31	64.09	0.80	-0.66	29.68
	1500.00	1.24	68.09	100	1499.41	12.86	12.86 N	25.56 E	28.61	63.29	1.17	0.64	-291.21
	1600.00	1.41	77.03	100	1599.39	13.54	13.54 N	27.76 E	30.89	64.00	0.27	0.17	8.94
	1700.00	2.43	98.45	100	1699.33	13.51	13.51 N	31.06 E	33.87	66.50	1.23	1.02	21.42
	1800.00	2.84	93.22	100	1799.23	13.05	13.05 N	35.63 E	37.95	69.88	0.47	0.41	-5.23
	1900.00	1.48	120.63	100	1899.16	12.26	12.26 N	39.22 E	41.09	72.64	1.67	-1.36	27.41
	2000.00	1.66	126.29	100	1999.12	10.74	10.74 N	41.49 E	42.86	75.49	0.24	0.18	5.66
	2100.00	1.66	120.14	100	2099.08	9.16	9.16 N	43.91 E	44.86	78.22	0.18	0.00	-6.15
	2200.00	1.74	126.41	100	2199.03	7.53	7.53 N	46.39 E	47.00	80.78	0.20	0.08	6.27
	2300.00	1.52	112.99	100	2298.99	6.11	6.11 N	48.83 E	49.21	82.87	0.44	-0.22	-13.42
	2400.00	1.53	117.21	100	2398.96	4.98	4.98 N	51.24 E	51.48	84.45	0.11	0.01	4.22
	2500.00	1.87	116.96	100	2498.91	3.63	3.63 N	53.88 E	54.00	86.14	0.34	0.34	-0.25
	2600.00	1.34	117.77	100	2598.87	2.35	2.35 N	56.37 E	56.42	87.62	0.53	-0.53	0.81
	2700.00	1.55	127.92	100	2698.84	0.97	0.97 N	58.47 E	58.48	89.05	0.33	0.21	10.15



PHOENIX
TECHNOLOGY SERVICES

Company:

Mewbourne Oil

Well: Hollywood 28/33 W2IP Fed Com 1H

Location: Eddy Co., NM

Rig: Patterson 243

Job Number:

60547

Grid Corr.:

-0.08

Lat:

32.27

Long:

-104.18

Calculation Method:

Minimum Curvature

Proposed Azimuth:

RKB - MSL in feet:

26.6

Tie Into:

Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2800.00	1.84	122.62	100	2798.80	-0.73	0.73 S	60.89 E	60.89	90.68	0.33	0.29	-5.30
	2900.00	1.49	127.15	100	2898.75	-2.38	2.38 S	63.28 E	63.32	92.15	0.37	-0.35	4.53
	3000.00	1.63	123.36	100	2998.72	-3.94	3.94 S	65.50 E	65.62	93.45	0.17	0.14	-3.79
	3100.00	1.77	137.91	100	3098.67	-5.87	5.87 S	67.73 E	67.98	94.95	0.45	0.14	14.55
	3200.00	2.02	131.61	100	3198.62	-8.19	8.19 S	70.08 E	70.56	96.66	0.33	0.25	-6.30
	3300.00	1.87	145.54	100	3298.56	-10.70	10.70 S	72.32 E	73.11	98.42	0.49	-0.15	13.93
	3400.00	1.93	132.66	100	3398.51	-13.19	13.19 S	74.48 E	75.64	100.04	0.43	0.06	-12.88
	3500.00	2.41	139.16	100	3498.44	-15.92	15.92 S	77.09 E	78.72	101.67	0.54	0.48	6.50
	3600.00	1.91	143.86	100	3598.36	-18.86	18.86 S	79.45 E	81.66	103.35	0.53	-0.50	4.70
	3700.00	2.71	147.69	100	3698.28	-22.20	22.20 S	81.70 E	84.66	105.20	0.81	0.80	3.83
	3800.00	2.51	153.70	100	3798.18	-26.16	26.16 S	83.93 E	87.92	107.31	0.34	-0.20	6.01
	3900.00	2.68	149.38	100	3898.08	-30.14	30.14 S	86.09 E	91.22	109.29	0.26	0.17	-4.32
	4000.00	2.93	150.67	100	3997.96	-34.38	34.38 S	88.54 E	94.98	111.22	0.26	0.25	1.29
	4100.00	2.53	160.89	100	4097.84	-38.69	38.69 S	90.51 E	98.43	113.15	0.63	-0.40	10.22
	4200.00	3.34	150.52	100	4197.71	-43.31	43.31 S	92.67 E	102.29	115.05	0.97	0.81	-10.37
	4300.00	3.02	156.24	100	4297.56	-48.26	48.26 S	95.16 E	106.70	116.89	0.45	-0.32	5.72
	4400.00	2.90	158.43	100	4397.42	-53.02	53.02 S	97.15 E	110.68	118.62	0.16	-0.12	2.19
	4500.00	2.77	163.46	100	4497.30	-57.69	57.69 S	98.77 E	114.39	120.29	0.28	-0.13	5.03
	4600.00	3.06	154.86	100	4597.17	-62.43	62.43 S	100.59 E	118.39	121.82	0.52	0.29	-8.60
	4700.00	3.11	160.44	100	4697.03	-67.40	67.40 S	102.64 E	122.79	123.29	0.30	0.05	5.58
	4800.00	2.93	170.47	100	4796.89	-72.47	72.47 S	103.97 E	126.73	124.88	0.56	-0.18	10.03
	4900.00	2.87	170.81	100	4896.76	-77.47	77.47 S	104.79 E	130.31	126.47	0.06	-0.06	0.34
	5000.00	2.73	168.73	100	4996.64	-82.27	82.27 S	105.65 E	133.91	127.91	0.17	-0.14	-2.08
	5100.00	2.61	169.12	100	5096.53	-86.84	86.84 S	106.55 E	137.46	129.18	0.12	-0.12	0.39
	5200.00	2.72	173.38	100	5196.43	-91.44	91.44 S	107.25 E	140.94	130.45	0.23	0.11	4.26
	5300.00	2.72	178.56	100	5296.31	-96.17	96.17 S	107.59 E	144.30	131.79	0.25	0.00	5.18
	5400.00	2.43	179.34	100	5396.21	-100.66	100.66 S	107.67 E	147.39	133.07	0.29	-0.29	0.78
	5500.00	2.51	185.03	100	5496.12	-104.96	104.96 S	107.50 E	150.24	134.31	0.26	0.08	5.69
	5600.00	2.64	192.04	100	5596.02	-109.39	109.39 S	106.83 E	152.90	135.68	0.34	0.13	7.01
	5700.00	2.54	196.77	100	5695.92	-113.77	113.77 S	105.71 E	155.30	137.10	0.24	-0.10	4.73



PHOENIX

TECHNOLOGY SERVICES

Company: Mewbourne Oil

Well: Hollywood 28/33 W2IP Fed Com 1H

Location: Eddy Co., NM

Rig: Patterson 243

Job Number: 60547

Grid Corr.: -0.08

Lat: 32.27

Long: -104.18

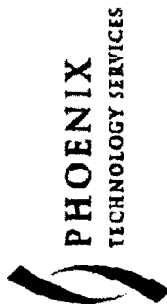
Calculation Method: Minimum Curvature

Proposed Azimuth:

RKB - MSL in feet: 26.6

Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	5800.00	2.60	194.64	100	5795.82	-118.08	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	5900.00	2.43	199.02	100	5895.72	-122.28	118.08 S	104.50 E	157.68	138.49	0.11	0.06	-2.13
	6000.00	2.61	204.76	100	5995.62	-126.35	122.28 S	103.23 E	160.03	139.83	0.26	-0.17	4.38
	6100.00	2.30	226.21	100	6095.53	-129.81	126.35 S	101.59 E	162.13	141.20	0.31	0.18	5.74
	6200.00	2.38	218.00	100	6195.45	-132.83	129.81 S	99.19 E	163.37	142.62	0.96	-0.31	21.45
	6300.00	2.21	228.10	100	6295.37	-135.76	132.83 S	96.46 E	164.16	144.01	0.34	0.08	-8.21
	6400.00	2.30	238.09	100	6395.29	-138.11	135.76 S	93.75 E	164.98	145.37	0.44	-0.17	10.10
	6500.00	2.36	248.72	100	6495.21	-139.91	138.11 S	90.61 E	165.18	146.73	0.40	0.09	9.99
	6600.00	2.60	250.21	100	6595.12	-141.43	139.91 S	86.99 E	164.75	148.13	0.44	0.06	10.63
	6700.00	2.55	254.31	100	6695.02	-142.80	141.43 S	82.93 E	163.95	149.61	0.25	0.24	1.49
	6800.00	2.04	257.60	100	6794.94	-143.78	142.80 S	78.66 E	163.03	151.15	0.19	-0.05	4.10
	6900.00	1.98	285.00	100	6894.88	-143.72	143.78 S	74.78 E	162.07	152.52	0.53	-0.51	3.29
	7000.00	2.22	287.89	100	6994.81	-142.68	143.72 S	71.37 E	160.46	153.59	0.95	-0.06	27.40
	7100.00	1.93	281.55	100	7094.74	-141.74	142.68 S	67.86 E	157.99	154.56	0.26	0.24	2.89
	7200.00	2.27	265.84	100	7194.68	-141.55	141.74 S	64.37 E	155.67	155.58	0.37	-0.29	-6.34
	7300.00	2.14	256.10	100	7294.60	-142.14	141.55 S	60.74 E	154.03	156.78	0.67	0.34	-15.71
	7400.00	2.03	263.21	100	7394.54	-142.80	142.14 S	56.95 E	153.13	158.17	0.40	-0.13	-9.74
	7500.00	1.68	257.91	100	7494.49	-143.32	142.80 S	53.38 E	152.45	159.50	0.28	-0.11	7.11
	7600.00	1.55	256.70	100	7594.45	-143.94	143.32 S	50.19 E	151.85	160.70	0.39	-0.35	-5.30
	7700.00	1.40	262.45	100	7694.41	-144.41	143.94 S	47.44 E	151.55	161.76	0.13	-0.13	-1.21
	7800.00	1.20	268.22	100	7794.39	-144.60	144.41 S	44.91 E	151.23	162.72	0.21	-0.15	5.75
	7900.00	1.66	283.39	100	7894.36	-144.30	144.60 S	42.66 E	150.76	163.56	0.24	-0.20	5.77
	8000.00	1.86	269.93	100	7994.31	-143.96	144.30 S	40.20 E	149.79	164.43	0.59	0.46	15.17
	8100.00	2.53	282.99	100	8094.23	-143.47	143.96 S	37.17 E	148.68	165.52	0.46	0.20	-13.46
	8200.00	2.98	282.34	100	8194.12	-142.42	143.47 S	33.39 E	147.30	166.90	0.83	0.67	13.06
	8300.00	2.02	284.16	100	8294.02	-141.43	142.42 S	28.70 E	145.28	168.60	0.45	0.45	-0.65
	8400.00	1.55	329.94	100	8393.98	-139.83	141.43 S	24.46 E	143.53	170.19	0.96	-0.96	1.82
	8500.00	1.67	338.49	100	8493.94	-137.30	139.83 S	22.07 E	141.56	171.03	1.45	-0.47	45.78
	8600.00	1.84	319.51	100	8593.89	-134.73	137.30 S	20.86 E	138.88	171.36	0.27	0.12	8.55
	8700.00	1.85	316.92	100	8693.84	-132.33	134.73 S	19.28 E	136.10	171.86	0.60	0.17	-18.98
							132.33 S	17.14 E	133.43	172.62	0.08	0.01	-2.59



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne Oil
Well: Hollywood 28/33 W2IP Fed Com 1H
Location: Eddy Co., NM
Rig: Patterson 243

Job Number: 60547
Grid Corr.: -0.08
Lat: 32.27
Long: -104.18
Calculation Method: Minimum Curvature
Proposed Azimuth: 26.6
RKB - MSL in feet: Surface
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	8800.00	1.27	329.71	100	8793.80	-130.19	130.19 S	15.48 E	131.11	173.22	0.67	-0.58	12.79
	8900.00	0.85	311.20	100	8893.79	-128.74	128.74 S	14.36 E	129.54	173.64	0.54	-0.42	-18.51
	9000.00	1.25	286.85	100	8993.77	-127.94	127.94 S	12.76 E	128.57	174.31	0.59	0.40	-24.35
	9060.00	1.05	294.89	60	9053.76	-127.52	127.52 S	11.63 E	128.05	174.79	0.43	-0.33	13.40