



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

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

November 21, 2016

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 05 2016

Dear District 2 - Artesia

RECEIVED

Attention: Regulatory Department

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

*plat should submit actual BHL
'AS DRILLED' footages as per survey.
Resubmit C102*

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title 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

A certified plat on which the bottom hole location is oriented both to the 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.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

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



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne Oil

Job #: 60547

Well Name: Hollywood 28/33 W2IP Fed Com 1H

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 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

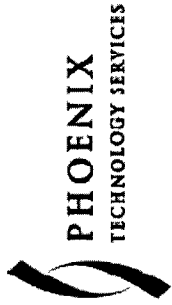
Date:

11-17-16

Print Name: Andy Askew

Signature:

Andy Askew



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:

Surface

Tie Into:

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)			
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	0	0					
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



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:

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



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

Job Number: 60547 Calculation Method: Minimum Curvature
Grid Corr.: -0.08 Proposed Azimuth: _____
Lat: 32.27 RKB - MSL in feet: 26.6
Long: -104.18 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)			
	5800.00	2.60	194.64	100	5795.82	-118.08	118.08 S	104.50 E	157.68	138.49	0.11	0.06	-2.13
	5900.00	2.43	199.02	100	5895.72	-122.28	122.28 S	103.23 E	160.03	139.83	0.26	-0.17	4.38
	6000.00	2.61	204.76	100	5995.62	-126.35	126.35 S	101.59 E	162.13	141.20	0.31	0.18	5.74
	6100.00	2.30	226.21	100	6095.53	-129.81	129.81 S	99.19 E	163.37	142.62	0.96	-0.31	21.45
	6200.00	2.38	218.00	100	6195.45	-132.83	132.83 S	96.46 E	164.16	144.01	0.34	0.08	-8.21
	6300.00	2.21	228.10	100	6295.37	-135.76	135.76 S	93.75 E	164.98	145.37	0.44	-0.17	10.10
	6400.00	2.30	238.09	100	6395.29	-138.11	138.11 S	90.61 E	165.18	146.73	0.40	0.09	9.99
	6500.00	2.36	248.72	100	6495.21	-139.91	139.91 S	86.99 E	164.75	148.13	0.44	0.06	10.63
	6600.00	2.60	250.21	100	6595.12	-141.43	141.43 S	82.93 E	163.95	149.61	0.25	0.24	1.49
	6700.00	2.55	254.31	100	6695.02	-142.80	142.80 S	78.66 E	163.03	151.15	0.19	-0.05	4.10
	6800.00	2.04	257.60	100	6794.94	-143.78	143.78 S	74.78 E	162.07	152.52	0.53	-0.51	3.29
	6900.00	1.98	285.00	100	6894.88	-143.72	143.72 S	71.37 E	160.46	153.59	0.95	-0.06	27.40
	7000.00	2.22	287.89	100	6994.81	-142.68	142.68 S	67.86 E	157.99	154.56	0.26	0.24	2.89
	7100.00	1.93	281.55	100	7094.74	-141.74	141.74 S	64.37 E	155.67	155.58	0.37	-0.29	-6.34
	7200.00	2.27	265.84	100	7194.68	-141.55	141.55 S	60.74 E	154.03	156.78	0.67	0.34	-15.71
	7300.00	2.14	256.10	100	7294.60	-142.14	142.14 S	56.95 E	153.13	158.17	0.40	-0.13	-9.74
	7400.00	2.03	263.21	100	7394.54	-142.80	142.80 S	53.38 E	152.45	159.50	0.28	-0.11	7.11
	7500.00	1.68	257.91	100	7494.49	-143.32	143.32 S	50.19 E	151.85	160.70	0.39	-0.35	-5.30
	7600.00	1.55	256.70	100	7594.45	-143.94	143.94 S	47.44 E	151.55	161.76	0.13	-0.13	-1.21
	7700.00	1.40	262.45	100	7694.41	-144.41	144.41 S	44.91 E	151.23	162.72	0.21	-0.15	5.75
	7800.00	1.20	268.22	100	7794.39	-144.60	144.60 S	42.66 E	150.76	163.56	0.24	-0.20	5.77
	7900.00	1.66	283.39	100	7894.36	-144.30	144.30 S	40.20 E	149.79	164.43	0.59	0.46	15.17
	8000.00	1.86	269.93	100	7994.31	-143.96	143.96 S	37.17 E	148.68	165.52	0.46	0.20	-13.46
	8100.00	2.53	282.99	100	8094.23	-143.47	143.47 S	33.39 E	147.30	166.90	0.83	0.67	13.06
	8200.00	2.98	282.34	100	8194.12	-142.42	142.42 S	28.70 E	145.28	168.60	0.45	0.45	-0.65
	8300.00	2.02	284.16	100	8294.02	-141.43	141.43 S	24.46 E	143.53	170.19	0.96	-0.96	1.82
	8400.00	1.55	329.94	100	8393.98	-139.83	139.83 S	22.07 E	141.56	171.03	1.45	-0.47	45.78
	8500.00	1.67	338.49	100	8493.94	-137.30	137.30 S	20.86 E	138.88	171.36	0.27	0.12	8.55
	8600.00	1.84	319.51	100	8593.89	-134.73	134.73 S	19.28 E	136.10	171.86	0.60	0.17	-18.98
	8700.00	1.85	316.92	100	8693.84	-132.33	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

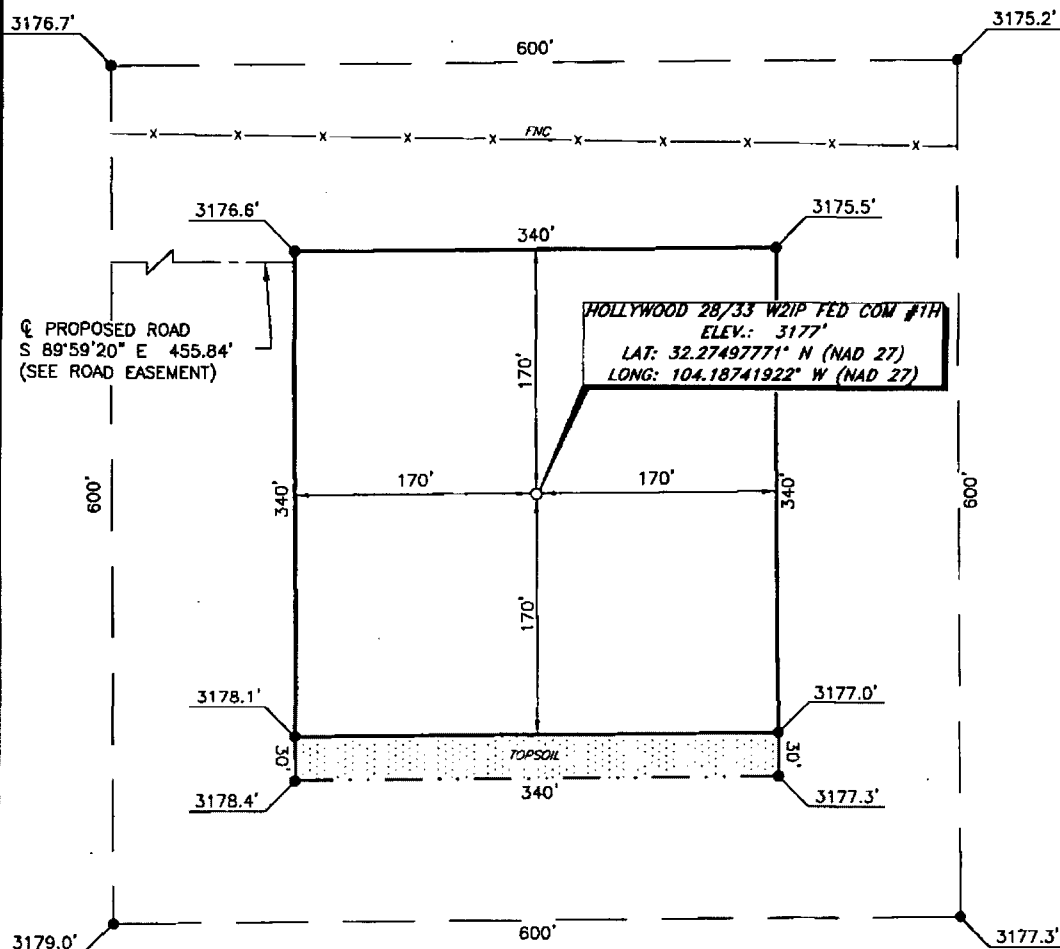
Job Number: 60547
 Grid Corr.: -0.08
 Lat: 32.27
 Long: -104.18

Calculation Method: Minimum Curvature
 Proposed Azimuth: 26.6
 RKB - MSL in feet: Surface
 Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)					
	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

"3"

MEWBOURNE OIL COMPANY
HOLLYWOOD 28/33 W2IP FED COM #1H
(2455' FSL & 450' FEL)
SECTION 28, T23S, R27E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of CR-748 (Old Cavern Hwy) and CR-761 (Stormy Ln.)

Go East on CR-761 approx. 1.0 miles to proposed road for Hollywood 28/33 W2LM pad;

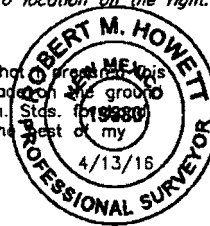
Follow proposed road East approx 300 feet, then South approx. 110 feet;

Turn left and go East following proposed road approx. 0.2 miles to location on the right.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that this is an unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for 1988 Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett

Robert M. Howett NM PS 19680



SCALE: 1" = 100'

BEARINGS ARE
NAD 27 GRID - NM EAST
DISTANCES ARE GROUND

Firm No.: TX 10193838 NM 4655451

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NO.	REVISION	DATE
JOB NO.:	LS1602065	
DWG. NO.:	1602065PAD	

RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 4-11-2016
SURVEYED BY: BK/CG
DRAWN BY: JR
APPROVED BY: RMH
SHEET : 1 OF 1