



PHOENIX

TECHNOLOGY SERVICES USA INC.

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

30-025-45059

Celebrating 20 Years of Focused Solutions

November 5, 2018

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

HOBBS OCD

Dear District 1 - Hobbs

NOV 20 2018

Attention: Regulatory Department

RECEIVED

Re: Mewbourne Oil
Cast Away 6 B2BW State Com Unit No. 1H
Lea County, New Mexico
API #30-025-45059
Job No. 63759

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	
Oscar Velasquez	1H	0	1,864	11/1/18	11/1/18	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

Job #: 63759

Well Name: Cast Away 6 B2BW State Com Unit No. 1H

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-45059

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 (°)
2018-11-01	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-11-01	1864	0.04	231.11

Projected TD Survey

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

Grid Correction
-0.5

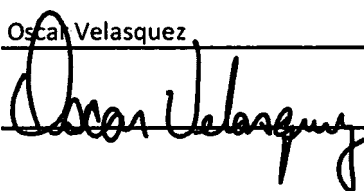
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

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

Date: 2018-11-01

Print Name: Oscar Velasquez

Signature: 



Company: Mewbourne
 Well: t Away 6 B2BW State Com Unit No.
 Location: Lea Co., New Mexico
 Rig: Patterson 242

Job Number: 63759
 Grid Corr.: -0.50
 Lat: 32.52
 Long: -103.41

Date: 11-01-18
 Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28.6ft
 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)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.75	232.67	100	100.00	-0.40	0.40 S	0.52 W	0.65	232.67	0.75	0.75	232.67
	200.00	0.13	46.94	100	199.99	-0.72	0.72 S	0.96 W	1.20	233.21	0.88	-0.62	-185.73
	300.00	0.36	281.05	100	299.99	-0.58	0.58 S	1.18 W	1.32	243.94	0.45	0.23	234.11
	400.00	0.38	315.74	100	399.99	-0.28	0.28 S	1.72 W	1.75	260.74	0.22	0.02	34.69
	500.00	0.04	219.82	100	499.99	-0.07	0.07 S	1.98 W	1.98	267.96	0.39	-0.34	-95.92
	600.00	0.35	283.66	100	599.99	-0.02	0.02 S	2.30 W	2.30	269.38	0.33	0.31	63.84
	700.00	0.52	63.96	100	699.99	0.25	0.25 N	2.19 W	2.20	276.43	0.82	0.17	-219.70
	800.00	0.18	270.01	100	799.99	0.45	0.45 N	1.93 W	1.99	282.97	0.69	-0.34	206.05
	900.00	0.18	103.65	100	899.99	0.41	0.41 N	1.94 W	1.98	281.90	0.36	0.00	-166.36
	1000.00	0.12	7.91	100	999.99	0.48	0.48 N	1.77 W	1.83	285.01	0.23	-0.06	-95.74
	1100.00	0.19	193.44	100	1099.99	0.42	0.42 N	1.80 W	1.84	283.09	0.31	0.07	185.53
	1200.00	0.42	91.66	100	1199.99	0.25	0.25 N	1.47 W	1.49	279.51	0.50	0.23	-101.78
	1300.00	0.30	234.96	100	1299.99	0.08	0.08 N	1.32 W	1.32	273.69	0.68	-0.12	143.30
	1400.00	0.08	9.88	100	1399.99	0.00	0.00 N	1.52 W	1.52	270.13	0.36	-0.22	-225.08
	1500.00	0.04	208.72	100	1499.99	0.04	0.04 N	1.52 W	1.52	271.56	0.12	-0.04	198.84
	1600.00	0.13	28.05	100	1599.99	0.11	0.11 N	1.49 W	1.49	274.27	0.17	0.09	-180.67
	1700.00	0.12	241.23	100	1699.98	0.16	0.16 N	1.53 W	1.53	276.02	0.24	-0.01	213.18
	1800.00	0.18	50.61	100	1799.98	0.21	0.21 N	1.50 W	1.51	277.99	0.30	0.06	-190.62
	1864.00	0.04	231.11	64	1863.98	0.26	0.26 N	1.44 W	1.46	280.26	0.34	-0.22	282.03

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AUG 09 2018

☐ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-44059	2 Pool Code 97704	3 Pool Name WILSON; BONE SPRING, NORTH
4 Property Code 722270	5 Property Name CAST AWAY 6 B2BW STATE COM UNIT	6 Well Number 1H
7 OGRID NO. 14744	8 Operator Name MEWBOURNE OIL COMPANY	9 Elevation 3658'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
2	6	21S	35E		220	NORTH	2540	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
2	6	21S	35E		100	SOUTH	2234	EAST	LEA

12 Dedicated Acres 237.60	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 554788.1 - E: 827013.7 LAT: 32.5217567° N LONG: 103.4064920° W BOTTOM HOLE N: 547268.1 - E: 827310.0 LAT: 32.5010822° N LONG: 103.4054964° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND 2" PIPE N: 547148.8 - E: 824482.3 B: FOUND 1/2" REBAR N: 549789.2 - E: 824471.7 C: FOUND NAIL N: 554985.0 - E: 824430.0 D: FOUND NAIL N: 555030.7 - E: 829551.7 E: FOUND 6"x4"x2.5" LIMESTONE ROCK N: 549825.8 - E: 829596.4 F: FOUND 12"x6"x4" LIMESTONE ROCK N: 547184.0 - E: 829620.4	N 89°29'17" E 5122.79' 220' S. L. 2540' LOT 4 LOT 3 LOT 2 LOT 1 PROJECT AREA LOT 5 LOT 6 LOT 7 LOT 8 PRODUCING AREA LOT 12 LOT 11 LOT 10 LOT 9 WELL PATH LOT 13 LOT 14 LOT 15 LOT 16 LOT 17 LOT 18 100' 18. L. 2234' N 89°36'24" E 5129.19'		11 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order previously entered by the division. <i>[Signature]</i> 8-8-18 Date BRADLEY BISHOP Printed Name BBISHOP@MEWBOURNE.COM E-mail Address 12 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7-17-18 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR
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SL

RRG-Job No.: LS1807904