

HOBBS OCD**AUG 29 2018****RECEIVED****SURVEY CERTIFICATION FORM****PHOENIX
TECHNOLOGY SERVICES**

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

Company: MewbourneJob #: 63316Well Name: Bilbrey 34/27 B2OB Fed Com 2HCounty/State: Lea/ NMSurvey Instrument Type: North Seek Rate GyroAPI # 30-025-45009**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 (°)
2018-08-14	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-08-14	848	3.07	223.33

Projected TD Survey

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

Grid Correction
-0.36

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:

8/14/18Print Name: Andy Askew

Signature:

HOBBS OCD

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RECEIVED



Company: Mewbourne
Well: Bilbrey 34/27 B2OB Fed Com 2H
Location: Lea Co., NM
Rig: Patterson 242

Job Number: 63316
Grid Corr.: -0.36
Lat: 32.42
Long: -103.65

Date: 08-14-18
Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: 28.5
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	0.14	241.75	100	100.00	-0.06	0.06 S	0.11 W	0.12	241.75	0.14	0.14	241.75
	200.00	0.25	342.77	100	200.00	0.09	0.09 N	0.28 W	0.29	288.33	0.31	0.11	101.02
	300.00	0.43	213.18	100	300.00	-0.01	0.01 S	0.55 W	0.55	268.65	0.62	0.18	-129.59
	400.00	0.87	236.35	100	399.99	-0.75	0.75 S	1.39 W	1.58	241.67	0.50	0.44	23.17
	500.00	1.06	226.46	100	499.98	-1.81	1.81 S	2.69 W	3.24	236.13	0.25	0.19	-9.89
	600.00	1.14	187.71	100	599.96	-3.43	3.43 S	3.49 W	4.89	225.54	0.73	0.08	-38.75
	700.00	1.73	228.05	100	699.93	-5.42	5.42 S	4.75 W	7.21	221.21	1.13	0.59	40.34
	800.00	2.65	222.35	100	799.86	-8.14	8.14 S	7.43 W	11.02	222.38	0.94	0.92	-5.70
	848.00	3.07	223.33	48	847.80	-9.90	9.90 S	9.06 W	13.42	222.47	0.88	0.88	2.04