

SURVEY CERTIFICATION FORM

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



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne

Job #: 63157

Well Name: IBEX 10 B3OB Fed Com #1H

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-44587

TE-INDATA

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 (°)
2018-08-02	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-08-02	1706	7.94	193.19

Projected TD Survey

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

Grid Correction
-0.47

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: 2018-08-02

Print Name: Leo Garza

Signature: 



PHOENIX
TECHNOLOGY SERVICES

Company: Mewbourne
Well: IBEX 10 B3OB Fed Com #1H
Location: Lea Co., New Mexico
Rig: Patterson #250

Job Number: 63157
Grid Corr.: -0.47
Lat: 32.31
Long: -103.45

Date: 08-02-18
Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: 29
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	0.37	289.61	100	100.00	0.11	0.11 N	0.30 W	0.32	289.61	0.37	0.37	289.61
	200.00	0.28	289.19	100	200.00	0.30	0.30 N	0.84 W	0.89	289.49	0.09	-0.09	-0.42
	300.00	0.23	20.98	100	300.00	0.56	0.56 N	1.00 W	1.15	299.51	0.37	-0.05	-268.21
	400.00	0.14	246.97	100	400.00	0.70	0.70 N	1.04 W	1.25	304.15	0.34	-0.09	225.99
	500.00	0.27	311.04	100	500.00	0.81	0.81 N	1.33 W	1.56	301.41	0.24	0.13	64.07
	600.00	0.15	38.88	100	600.00	1.07	1.07 N	1.42 W	1.78	306.86	0.30	-0.12	-272.16
	700.00	0.33	60.21	100	699.99	1.31	1.31 N	1.09 W	1.71	320.24	0.20	0.18	21.33
	800.00	0.46	86.16	100	799.99	1.48	1.48 N	0.44 W	1.55	343.41	0.22	0.13	25.95
	900.00	0.81	135.50	100	899.99	1.01	1.01 N	0.45 E	1.10	24.31	0.62	0.35	49.34
	1000.00	1.18	167.62	100	999.97	-0.50	0.50 S	1.17 E	1.27	113.31	0.66	0.37	32.12
	1100.00	1.66	177.78	100	1099.94	-2.96	2.96 S	1.45 E	3.29	153.92	0.54	0.48	10.16
	1200.00	2.98	181.14	100	1199.86	-7.00	7.00 S	1.45 E	7.15	168.29	1.33	1.32	3.36
	1300.00	4.43	184.87	100	1299.65	-13.45	13.45 S	1.07 E	13.49	175.44	1.47	1.45	3.73
	1400.00	6.02	189.24	100	1399.23	-22.48	22.48 S	0.10 W	22.48	180.25	1.64	1.59	4.37
	1500.00	7.42	188.69	100	1498.54	-34.03	34.03 S	1.92 W	34.09	183.22	1.40	1.40	-0.55
	1600.00	8.13	191.71	100	1597.62	-47.34	47.34 S	4.33 W	47.54	185.22	0.82	0.71	3.02
	1700.00	8.12	190.76	100	1696.61	-61.20	61.20 S	7.08 W	61.61	186.60	0.13	-0.01	-0.95
	1706.00	7.94	193.19	6	1702.56	-62.02	62.02 S	7.25 W	62.45	186.67	6.40	-3.00	40.50