



EOG Resources, Inc.

Eddy Co., NM

Dee State Com

2H

30-015-44563

OH

**NM OIL CONSERVATION
ARTESIA DISTRICT**

MAY 22 2018

RECEIVED

Design: Surveys

Standard Survey Report

19 February, 2018



NABORS

Company: EOG Resources, Inc.
Project: Eddy Co., NM
Site: Dee State Com
Well: 2H
Wellbore: OH
Design: Surveys

Local Co-ordinate Reference: Well 2H
TVD Reference: RT=12.7 (Precision 822) @ 3642.70ft
MD Reference: RT=12.7 (Precision 822) @ 3642.70ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: RYANUSA_32Bit

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,001.00	87.06	89.72	2,373.85	408.56	1,825.43	1,853.12	1.93	-1.53	-1.17
4,091.00	88.13	89.54	2,377.63	409.14	1,915.34	1,942.77	1.21	1.19	-0.20
4,181.00	86.88	89.90	2,381.55	409.58	2,005.26	2,032.41	1.45	-1.39	0.40
4,271.00	87.88	90.07	2,385.66	409.60	2,095.16	2,122.00	1.13	1.11	0.19
4,362.00	88.75	89.54	2,388.34	409.91	2,186.12	2,212.67	1.12	0.96	-0.58
4,445.00	87.88	91.30	2,390.78	409.30	2,269.08	2,295.29	2.36	-1.05	2.12
4,535.00	87.13	90.95	2,394.70	407.54	2,358.97	2,384.73	0.92	-0.83	-0.39
4,624.00	89.00	91.30	2,397.70	405.79	2,447.90	2,473.20	2.14	2.10	0.39
4,714.00	89.75	90.25	2,398.68	404.57	2,537.89	2,562.77	1.43	0.83	-1.17
4,803.00	90.00	89.19	2,398.88	405.01	2,626.88	2,651.49	1.22	0.28	-1.19
4,893.00	88.94	89.72	2,399.71	405.86	2,716.87	2,741.24	1.32	-1.18	0.59
4,982.00	87.69	89.90	2,402.33	406.16	2,805.83	2,829.92	1.42	-1.40	0.20
5,071.00	87.06	88.49	2,406.40	407.41	2,894.73	2,918.61	1.73	-0.71	-1.58
5,160.00	88.19	88.14	2,410.09	410.02	2,983.61	3,007.40	1.33	1.27	-0.39
5,250.00	89.94	87.79	2,411.56	413.22	3,073.54	3,097.28	1.98	1.94	-0.39
5,339.00	88.81	88.49	2,412.53	416.11	3,162.49	3,186.16	1.49	-1.27	0.79
5,429.00	85.81	88.67	2,416.75	418.33	3,252.35	3,275.89	3.34	-3.33	0.20
5,519.00	86.88	90.07	2,422.49	419.32	3,342.16	3,365.47	1.96	1.19	1.56
5,594.00	87.56	90.77	2,426.13	418.77	3,417.07	3,440.07	1.30	0.91	0.93
5,684.00	87.56	89.19	2,429.96	418.80	3,506.98	3,529.68	1.75	0.00	-1.76
5,775.00	87.38	88.84	2,433.98	420.37	3,597.88	3,620.39	0.43	-0.20	-0.38
5,865.00	86.56	89.54	2,438.73	421.64	3,687.74	3,710.05	1.20	-0.91	0.78
5,955.00	87.88	89.54	2,443.10	422.36	3,777.63	3,799.69	1.47	1.47	0.00
6,045.00	87.50	89.72	2,446.73	422.94	3,867.56	3,889.35	0.47	-0.42	0.20
6,136.00	86.81	90.42	2,451.24	422.83	3,958.44	3,979.91	1.08	-0.76	0.77
6,227.00	87.31	90.25	2,455.91	422.30	4,049.32	4,070.43	0.58	0.55	-0.19
6,317.00	85.44	89.90	2,461.60	422.18	4,139.14	4,159.92	2.11	-2.08	-0.39
6,408.00	84.75	89.90	2,469.38	422.34	4,229.80	4,250.28	0.76	-0.76	0.00
6,497.00	85.94	89.19	2,476.60	423.04	4,318.50	4,338.74	1.56	1.34	-0.80
6,572.00	87.50	89.72	2,480.90	423.75	4,393.38	4,413.41	2.20	2.08	0.71
6,661.00	87.56	89.90	2,484.73	424.05	4,482.29	4,502.04	0.21	0.07	0.20
6,750.00	85.38	89.90	2,490.21	424.20	4,571.12	4,590.57	2.45	-2.45	0.00
6,840.00	85.94	89.90	2,497.02	424.36	4,660.86	4,680.01	0.62	0.62	0.00
6,929.00	86.13	90.42	2,503.18	424.11	4,749.65	4,768.47	0.62	0.21	0.58
7,011.00	87.95	90.74	2,507.41	423.28	4,831.53	4,850.00	2.26	2.22	0.39
HL Crossing at toe 7011' MD									
7,019.00	88.13	90.77	2,507.68	423.18	4,839.52	4,857.96	2.26	2.22	0.39
7,108.00	89.56	90.77	2,509.48	421.98	4,928.50	4,946.52	1.61	1.61	0.00
7,169.00	89.56	90.77	2,509.94	421.16	4,989.49	5,007.23	0.00	0.00	0.00
PTB									



Nabors
Survey Report



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Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,217.00	2,132.24	176.58	167.77	HL Corssing at heel 2217'MD
7,011.00	2,507.41	423.28	4,831.53	HL Crossing at toe 7011'MD
7,169.00	2,509.94	421.16	4,989.49	PTB