

DIG Drilling Systems

Well Planning Report

Company: MACK ENERGY COMPANY
Field: EDDY COUNTY, NEW MEXICO
Site: BRIGHAM "H" WELL NO. 3
Well: Q9043D-CN
Wellpath: PLN-00

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Co-ordinate(N/E) Reference: Site: BRIGHAM "H" WELL NO. 3, Grid North

Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level

Section (VS) Reference: Well (0.0E, 0.0N, 146.8Az)

Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azth deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4000.00	7.70	146.77	3980.52	-251.59	164.83	300.77	0.00	0.00	0.00	
4100.00	7.70	146.77	4079.62	-262.80	172.18	314.18	0.00	0.00	0.00	
4200.00	7.70	146.77	4178.72	-274.01	179.53	327.59	0.00	0.00	0.00	
4300.00	7.70	146.77	4277.81	-285.23	186.87	340.99	0.00	0.00	0.00	
4342.57	7.70	146.77	4320.00	-290.00	190.00	346.70	0.00	0.00	0.00	TGT/DRP&TRN 1.42° DLS MD
4342.58	7.70	146.77	4320.01	-290.00	190.00	346.70	0.00	0.00	0.00	TGT
4400.00	6.96	144.13	4376.96	-296.04	194.15	354.02	1.42	-1.29	-4.59	
4500.00	5.71	137.94	4476.35	-304.65	201.03	365.00	1.42	-1.25	-6.19	
4600.00	4.57	128.50	4575.95	-310.82	207.49	373.70	1.42	-1.14	-9.44	
4700.00	3.62	113.53	4675.69	-314.57	213.50	380.13	1.42	-0.95	-14.97	
4800.00	3.07	90.92	4775.53	-315.87	219.08	384.27	1.42	-0.56	-22.61	
4900.00	3.12	64.39	4875.39	-314.74	224.21	386.14	1.42	0.05	-26.53	
4995.89	3.72	43.67	4971.11	-311.36	228.71	385.78	1.42	0.62	-21.60	EOB&TRN MD:4996' TVD:4971
5000.00	3.72	43.67	4975.21	-311.17	228.89	385.72	0.00	0.00	0.00	
5024.83	3.72	43.67	4999.99	-310.00	230.00	385.35	0.00	0.00	0.00	PBHL
5024.84	3.72	43.67	5000.00	-310.00	230.00	385.35	0.00	0.00	0.00	PBHL MD:5025' TVD:5000' V

Casing Points

MD	TVD	Diameter	Name

Targets

Name	Dip deg	Direction deg	TVD ft	+N/-S ft	+E/-W ft	Map Unit Northing ft	Map Unit Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
TGT -Plan hit target			4320.00	-290.00	190.00				
PBHL -Circle (Radius: 50) -Plan hit target			5000.00	-310.00	230.00				