

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 GE POWERS 3C-26HZ (400'FNL & 1410'FWL, SEC.23)
Area	Compass Import	Well	GE POWERS 3C-26HZ
Field	WELD COUNTY (UTM (ZONE 13)/NAD83/TN)	Wellbore	GE POWERS 3C-26HZ PWB
Facility	2N-65W-23 Offsets		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Amarcar
Scale	0.999612	Report Generated	20/Jul/2015 at 14:36
Convergence at slot	0.23° East	Database/Source file	WellArchitectDB/GE_POWER_3C-26HZ_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	68.09	-766.43	1742272.11	14574369.13	40°07'48.871"N	104°38'08.174"W
Facility Reference Pt			1743038.82	14574304.20	40°07'48.198"N	104°37'58.303"W
Field Reference Pt			1700626.56	14568707.73	40°06'54.245"N	104°47'04.711"W

WELLPATH DATUM			
Calculation method	Minimum curvature	PERMIT (17'KB) (RKB) to 2N-65W-23 Offsets vertical datum	4907.00ft
Horizontal Reference Pt	Slot	PERMIT (17'KB) (RKB) to Mean Sea Level	4907.00ft
Vertical Reference Pt	PERMIT (17'KB) (RKB)	PERMIT (17'KB) (RKB) to Mud Line at Slot (SLOT#06 GE POWERS 3C-26HZ (400'FNL & 1410'FWL, SEC.23))	4907.00ft
MD Reference Pt	PERMIT (17'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.01°

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WELLPATH DATA (138 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	86.882	0.00	0.00	0.00	0.00	40°07'48.871"N	104°38'08.174"W	0.00	
17.00	0.000	86.882	17.00	0.00	0.00	0.00	40°07'48.871"N	104°38'08.174"W	0.00	TIE-ON
117.00†	0.000	86.882	117.00	0.00	0.00	0.00	40°07'48.871"N	104°38'08.174"W	0.00	
217.00†	0.000	86.882	217.00	0.00	0.00	0.00	40°07'48.871"N	104°38'08.174"W	0.00	
250.00	0.000	86.882	250.00	0.00	0.00	0.00	40°07'48.871"N	104°38'08.174"W	0.00	BEGIN NUDGE
317.00†	1.005	86.882	317.00	-0.03	0.03	0.59	40°07'48.871"N	104°38'08.166"W	1.50	
417.00†	2.505	86.882	416.95	-0.20	0.20	3.64	40°07'48.873"N	104°38'08.127"W	1.50	
517.00†	4.005	86.882	516.78	-0.51	0.51	9.31	40°07'48.876"N	104°38'08.054"W	1.50	
617.00†	5.505	86.882	616.44	-0.96	0.96	17.59	40°07'48.880"N	104°38'07.947"W	1.50	
717.00†	7.005	86.882	715.84	-1.56	1.55	28.47	40°07'48.886"N	104°38'07.807"W	1.50	
817.00†	8.505	86.882	814.92	-2.29	2.28	41.94	40°07'48.894"N	104°38'07.634"W	1.50	
916.67	10.000	86.882	913.29	-3.17	3.16	57.94	40°07'48.902"N	104°38'07.428"W	1.50	END NUDGE
917.00†	10.000	86.882	913.62	-3.17	3.16	58.00	40°07'48.902"N	104°38'07.427"W	0.00	
1017.00†	10.000	86.882	1012.10	-4.12	4.10	75.34	40°07'48.912"N	104°38'07.204"W	0.00	
1117.00†	10.000	86.882	1110.58	-5.06	5.05	92.68	40°07'48.921"N	104°38'06.980"W	0.00	
1217.00†	10.000	86.882	1209.06	-6.01	5.99	110.02	40°07'48.930"N	104°38'06.757"W	0.00	
1317.00†	10.000	86.882	1307.54	-6.96	6.94	127.36	40°07'48.940"N	104°38'06.534"W	0.00	
1357.07†	10.000	86.882	1347.00	-7.34	7.32	134.31	40°07'48.943"N	104°38'06.444"W	0.00	Fox Hills Marker
1417.00†	10.000	86.882	1406.02	-7.91	7.88	144.70	40°07'48.949"N	104°38'06.310"W	0.00	
1517.00†	10.000	86.882	1504.50	-8.85	8.83	162.04	40°07'48.958"N	104°38'06.087"W	0.00	
1617.00†	10.000	86.882	1602.98	-9.80	9.77	179.38	40°07'48.968"N	104°38'05.864"W	0.00	
1717.00†	10.000	86.882	1701.46	-10.75	10.72	196.71	40°07'48.977"N	104°38'05.640"W	0.00	
1817.00†	10.000	86.882	1799.94	-11.69	11.66	214.05	40°07'48.986"N	104°38'05.417"W	0.00	
1917.00†	10.000	86.882	1898.42	-12.64	12.61	231.39	40°07'48.996"N	104°38'05.194"W	0.00	
2017.00†	10.000	86.882	1996.90	-13.59	13.55	248.73	40°07'49.005"N	104°38'04.971"W	0.00	
2117.00†	10.000	86.882	2095.38	-14.54	14.49	266.07	40°07'49.014"N	104°38'04.747"W	0.00	
2217.00†	10.000	86.882	2193.87	-15.48	15.44	283.41	40°07'49.024"N	104°38'04.524"W	0.00	
2317.00†	10.000	86.882	2292.35	-16.43	16.38	300.75	40°07'49.033"N	104°38'04.301"W	0.00	
2417.00†	10.000	86.882	2390.83	-17.38	17.33	318.09	40°07'49.042"N	104°38'04.077"W	0.00	
2517.00†	10.000	86.882	2489.31	-18.33	18.27	335.43	40°07'49.052"N	104°38'03.854"W	0.00	
2617.00†	10.000	86.882	2587.79	-19.27	19.22	352.77	40°07'49.061"N	104°38'03.631"W	0.00	
2717.00†	10.000	86.882	2686.27	-20.22	20.16	370.11	40°07'49.070"N	104°38'03.407"W	0.00	
2817.00†	10.000	86.882	2784.75	-21.17	21.11	387.45	40°07'49.080"N	104°38'03.184"W	0.00	
2917.00†	10.000	86.882	2883.23	-22.12	22.05	404.78	40°07'49.089"N	104°38'02.961"W	0.00	
3017.00†	10.000	86.882	2981.71	-23.06	23.00	422.12	40°07'49.098"N	104°38'02.737"W	0.00	
3117.00†	10.000	86.882	3080.19	-24.01	23.94	439.46	40°07'49.108"N	104°38'02.514"W	0.00	
3182.38	10.000	86.882	3144.58	-24.63	24.56	450.80	40°07'49.114"N	104°38'02.368"W	0.00	BEGIN DROP
3217.00†	9.308	86.882	3178.71	-24.95	24.87	456.60	40°07'49.117"N	104°38'02.293"W	2.00	
3317.00†	7.308	86.882	3277.65	-25.73	25.66	471.02	40°07'49.125"N	104°38'02.108"W	2.00	
3417.00†	5.308	86.882	3377.04	-26.33	26.26	481.99	40°07'49.131"N	104°38'01.966"W	2.00	
3517.00†	3.308	86.882	3476.76	-26.74	26.67	489.49	40°07'49.135"N	104°38'01.870"W	2.00	
3617.00†	1.308	86.882	3576.67	-26.96	26.89	493.51	40°07'49.137"N	104°38'01.818"W	2.00	
3682.38	0.000	180.009	3642.04	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	2.00	END DROP
3717.00†	0.000	180.009	3676.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
3817.00†	0.000	180.009	3776.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3917.00†	0.000	180.009	3876.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4017.00†	0.000	180.009	3976.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4117.00†	0.000	180.009	4076.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4217.00†	0.000	180.009	4176.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4317.00†	0.000	180.009	4276.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4417.00†	0.000	180.009	4376.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4517.00†	0.000	180.009	4476.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4531.34†	0.000	180.009	4491.00	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	Sussex
4617.00†	0.000	180.009	4576.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4717.00†	0.000	180.009	4676.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4817.00†	0.000	180.009	4776.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
4917.00†	0.000	180.009	4876.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5017.00†	0.000	180.009	4976.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5117.00†	0.000	180.009	5076.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5217.00†	0.000	180.009	5176.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5317.00†	0.000	180.009	5276.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5417.00†	0.000	180.009	5376.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5517.00†	0.000	180.009	5476.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5617.00†	0.000	180.009	5576.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5717.00†	0.000	180.009	5676.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5817.00†	0.000	180.009	5776.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
5917.00†	0.000	180.009	5876.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6017.00†	0.000	180.009	5976.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6117.00†	0.000	180.009	6076.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6217.00†	0.000	180.009	6176.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6317.00†	0.000	180.009	6276.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6417.00†	0.000	180.009	6376.66	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	
6425.02	0.000	180.009	6384.69	-27.00	26.93	494.26	40°07'49.137"N	104°38'01.808"W	0.00	KOP, BUILD @ 10°/100'
6429.34†	0.431	180.009	6389.00	-26.99	26.91	494.26	40°07'49.137"N	104°38'01.808"W	10.00	Sharon Springs
6517.00†	9.198	180.009	6476.27	-19.64	19.56	494.26	40°07'49.064"N	104°38'01.808"W	10.00	
6617.00†	19.198	180.009	6573.09	4.86	-4.94	494.25	40°07'48.822"N	104°38'01.808"W	10.00	
6717.00†	29.198	180.009	6664.19	45.80	-45.87	494.25	40°07'48.417"N	104°38'01.809"W	10.00	
6817.00†	39.198	180.009	6746.80	101.93	-102.01	494.24	40°07'47.863"N	104°38'01.809"W	10.00	
6917.00†	49.198	180.009	6818.40	171.56	-171.63	494.23	40°07'47.174"N	104°38'01.809"W	10.00	
7005.81†	58.079	180.009	6871.00	243.00	-243.08	494.22	40°07'46.468"N	104°38'01.809"W	10.00	Niobrara Top
7017.00†	59.198	180.009	6876.82	252.56	-252.64	494.21	40°07'46.373"N	104°38'01.809"W	10.00	
7117.00†	69.198	180.009	6920.29	342.47	-342.55	494.20	40°07'45.485"N	104°38'01.809"W	10.00	
7152.95†	72.793	180.009	6932.00	376.46	-376.54	494.20	40°07'45.148"N	104°38'01.809"W	10.00	Niobrara B Bench
7217.00†	79.198	180.009	6947.49	438.57	-438.65	494.19	40°07'44.534"N	104°38'01.809"W	10.00	
7297.87†	87.285	180.009	6957.00	518.81	-518.89	494.17	40°07'43.741"N	104°38'01.810"W	10.00	Top of Production
7297.87	87.285	180.009	6957.00	518.82	-518.89	494.17	40°07'43.741"N	104°38'01.810"W	10.00	LANDING POINT
7317.00†	87.285	180.009	6957.91	537.92	-538.00	494.17	40°07'43.552"N	104°38'01.810"W	0.00	
7417.00†	87.285	180.009	6962.64	637.81	-637.89	494.16	40°07'42.565"N	104°38'01.810"W	0.00	
7517.00†	87.285	180.009	6967.38	737.70	-737.78	494.14	40°07'41.577"N	104°38'01.810"W	0.00	
7617.00†	87.285	180.009	6972.12	837.59	-837.66	494.13	40°07'40.590"N	104°38'01.810"W	0.00	

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7717.00†	87.285	180.009	6976.85	937.47	-937.55	494.11	40°07'39.602"N	104°38'01.811"W	0.00	
7817.00†	87.285	180.009	6981.59	1037.36	-1037.44	494.10	40°07'38.615"N	104°38'01.811"W	0.00	
7917.00†	87.285	180.009	6986.33	1137.25	-1137.33	494.08	40°07'37.627"N	104°38'01.811"W	0.00	
8017.00†	87.285	180.009	6991.06	1237.14	-1237.21	494.07	40°07'36.640"N	104°38'01.811"W	0.00	
8117.00†	87.285	180.009	6995.80	1337.02	-1337.10	494.05	40°07'35.652"N	104°38'01.811"W	0.00	
8217.00†	87.285	180.009	7000.53	1436.91	-1436.99	494.04	40°07'34.665"N	104°38'01.812"W	0.00	
8317.00†	87.285	180.009	7005.27	1536.80	-1536.88	494.02	40°07'33.677"N	104°38'01.812"W	0.00	
8395.72†	87.285	180.009	7009.00	1615.44	-1615.51	494.01	40°07'32.900"N	104°38'01.812"W	0.00	Niobrara C Bench
8417.00†	87.285	180.009	7010.01	1636.69	-1636.77	494.01	40°07'32.690"N	104°38'01.812"W	0.00	
8517.00†	87.285	180.009	7014.74	1736.58	-1736.65	493.99	40°07'31.703"N	104°38'01.812"W	0.00	
8617.00†	87.285	180.009	7019.48	1836.46	-1836.54	493.98	40°07'30.715"N	104°38'01.812"W	0.00	
8717.00†	87.285	180.009	7024.22	1936.35	-1936.43	493.96	40°07'29.728"N	104°38'01.813"W	0.00	
8817.00†	87.285	180.009	7028.95	2036.24	-2036.32	493.95	40°07'28.740"N	104°38'01.813"W	0.00	
8917.00†	87.285	180.009	7033.69	2136.13	-2136.20	493.93	40°07'27.753"N	104°38'01.813"W	0.00	
9017.00†	87.285	180.009	7038.43	2236.01	-2236.09	493.92	40°07'26.765"N	104°38'01.813"W	0.00	
9117.00†	87.285	180.009	7043.16	2335.90	-2335.98	493.90	40°07'25.778"N	104°38'01.814"W	0.00	
9217.00†	87.285	180.009	7047.90	2435.79	-2435.87	493.89	40°07'24.790"N	104°38'01.814"W	0.00	
9317.00†	87.285	180.009	7052.64	2535.68	-2535.76	493.87	40°07'23.803"N	104°38'01.814"W	0.00	
9417.00†	87.285	180.009	7057.37	2635.57	-2635.64	493.86	40°07'22.815"N	104°38'01.814"W	0.00	
9517.00†	87.285	180.009	7062.11	2735.45	-2735.53	493.84	40°07'21.828"N	104°38'01.814"W	0.00	
9617.00†	87.285	180.009	7066.85	2835.34	-2835.42	493.83	40°07'20.840"N	104°38'01.815"W	0.00	
9717.00†	87.285	180.009	7071.58	2935.23	-2935.31	493.81	40°07'19.853"N	104°38'01.815"W	0.00	
9817.00†	87.285	180.009	7076.32	3035.12	-3035.19	493.80	40°07'18.865"N	104°38'01.815"W	0.00	
9917.00†	87.285	180.009	7081.06	3135.00	-3135.08	493.78	40°07'17.878"N	104°38'01.815"W	0.00	
10017.00†	87.285	180.009	7085.79	3234.89	-3234.97	493.77	40°07'16.890"N	104°38'01.816"W	0.00	
10117.00†	87.285	180.009	7090.53	3334.78	-3334.86	493.75	40°07'15.903"N	104°38'01.816"W	0.00	
10217.00†	87.285	180.009	7095.27	3434.67	-3434.75	493.74	40°07'14.915"N	104°38'01.816"W	0.00	
10317.00†	87.285	180.009	7100.00	3534.56	-3534.63	493.72	40°07'13.928"N	104°38'01.816"W	0.00	
10417.00†	87.285	180.009	7104.74	3634.44	-3634.52	493.71	40°07'12.940"N	104°38'01.816"W	0.00	
10517.00†	87.285	180.009	7109.47	3734.33	-3734.41	493.69	40°07'11.953"N	104°38'01.817"W	0.00	
10617.00†	87.285	180.009	7114.21	3834.22	-3834.30	493.68	40°07'10.965"N	104°38'01.817"W	0.00	
10717.00†	87.285	180.009	7118.95	3934.11	-3934.18	493.66	40°07'09.978"N	104°38'01.817"W	0.00	
10817.00†	87.285	180.009	7123.68	4033.99	-4034.07	493.65	40°07'08.990"N	104°38'01.817"W	0.00	
10917.00†	87.285	180.009	7128.42	4133.88	-4133.96	493.63	40°07'08.003"N	104°38'01.817"W	0.00	
11017.00†	87.285	180.009	7133.16	4233.77	-4233.85	493.62	40°07'07.015"N	104°38'01.818"W	0.00	
11117.00†	87.285	180.009	7137.89	4333.66	-4333.74	493.60	40°07'06.028"N	104°38'01.818"W	0.00	
11217.00†	87.285	180.009	7142.63	4433.55	-4433.62	493.59	40°07'05.040"N	104°38'01.818"W	0.00	
11317.00†	87.285	180.009	7147.37	4533.43	-4533.51	493.57	40°07'04.053"N	104°38'01.818"W	0.00	
11417.00†	87.285	180.009	7152.10	4633.32	-4633.40	493.56	40°07'03.065"N	104°38'01.819"W	0.00	
11435.93†	87.285	180.009	7153.00	4652.23	-4652.31	493.55	40°07'02.879"N	104°38'01.819"W	0.00	Fort Hays
11517.00†	87.285	180.009	7156.84	4733.21	-4733.29	493.54	40°07'02.078"N	104°38'01.819"W	0.00	
11617.00†	87.285	180.009	7161.58	4833.10	-4833.17	493.53	40°07'01.090"N	104°38'01.819"W	0.00	
11717.00†	87.285	180.009	7166.31	4932.98	-4933.06	493.51	40°07'00.103"N	104°38'01.819"W	0.00	
11817.00†	87.285	180.009	7171.05	5032.87	-5032.95	493.50	40°06'59.115"N	104°38'01.819"W	0.00	
11917.00†	87.285	180.009	7175.79	5132.76	-5132.84	493.48	40°06'58.128"N	104°38'01.820"W	0.00	

REFERENCE WELLPATH IDENTIFICATION				
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 GE POWERS 3C-26HZ (400'FNL & 1410'FWL, SEC.23)	
Area	Compass Import	Well	GE POWERS 3C-26HZ	
Field	WELD COUNTY (UTM (ZONE 13)/NAD83/TN)	Wellbore	GE POWERS 3C-26HZ PWB	
Facility	2N-65W-23 Offsets			

WELLPATH DATA (138 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11921.52†	87.285	180.009	7176.00	5137.27	-5137.35	493.48	40°06'58.083"N	104°38'01.820"W	0.00	Codell
12017.00†	87.285	180.009	7180.52	5232.65	-5232.73	493.47	40°06'57.141"N	104°38'01.820"W	0.00	
12069.31	87.285	180.009	7183.00†	5284.89	-5284.97	493.46	40°06'56.624"N	104°38'01.820"W	0.00	TOTAL DEPTH

HOLE & CASING SECTIONS -									
Ref Wellbore: GE POWERS 3C-26HZ PWB					Ref Wellpath: GE POWERS 3C-26HZ (PERMIT REV-4) PWP				
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	17.00	1817.06	1800.06	17.00	1800.00	0.00	0.00	11.66	214.06
9.625in Casing Surface	17.00	1817.06	1800.06	17.00	1800.00	0.00	0.00	11.66	214.06
7.875in Open Hole	1817.06	12069.31	10252.25	1800.00	7183.00	11.66	214.06	-5284.97	493.46
5.5in Casing Production	17.00	12069.31	12052.31	17.00	7183.00	0.00	0.00	-5284.97	493.46

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
GE POWERS 3C-26HZ_SHL		4907.00	0.00	0.00	1742272.11	14574369.13	40°07'48.871"N	104°38'08.174"W	point
SEC.23-T2N-R65W		4907.00	1.11	-150.17	1742121.95	14574369.62	40°07'48.882"N	104°38'10.108"W	polygon
SEC.26-T2N-R65W		4907.00	1.11	-150.17	1742121.95	14574369.62	40°07'48.882"N	104°38'10.108"W	polygon
1) GE POWERS 3C-26HZ_BHL	12069.31	7183.00	-5284.97	493.46	1742787.23	14569086.23	40°06'56.624"N	104°38'01.820"W	point

SURVEY PROGRAM - Ref Wellbore: GE POWERS 3C-26HZ PWB					Ref Wellpath: GE POWERS 3C-26HZ (PERMIT REV-4) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model				Log Name/Comment		Wellbore	
17.00	1817.06	Custom_APC_ISCWSA REV 2 MWD						GE POWERS 3C-26HZ PWB	
1817.06	12069.31	Custom APC_ISCWSA REV 2 MWD+IFR1+SC (approximation)						GE POWERS 3C-26HZ PWB	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 GE POWERS 3C-26HZ (400'FNL & 1410'FWL, SEC.23)
Area	Compass Import	Well	GE POWERS 3C-26HZ
Field	WELD COUNTY (UTM (ZONE 13)/NAD83/TN)	Wellbore	GE POWERS 3C-26HZ PWB
Facility	2N-65W-23 Offsets		

WELLPATH COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment	
1357.07	10.000	86.882	1347.00	Fox Hills Marker	
4531.34	0.000	180.009	4491.00	Sussex	
6429.34	0.431	180.009	6389.00	Sharon Springs	
7005.81	58.079	180.009	6871.00	Niobrara Top	
7152.95	72.793	180.009	6932.00	Niobrara B Bench	
7297.87	87.285	180.009	6957.00	Top of Production	
8395.72	87.285	180.009	7009.00	Niobrara C Bench	
11435.93	87.285	180.009	7153.00	Fort Hays	
11921.52	87.285	180.009	7176.00	Codell	

DESIGN COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment	
17.00	0.000	86.882	17.00	TIE-ON	
250.00	0.000	86.882	250.00	BEGIN NUDGE	
916.67	10.000	86.882	913.29	END NUDGE	
3182.38	10.000	86.882	3144.58	BEGIN DROP	
3682.38	0.000	180.009	3642.04	END DROP	
6425.02	0.000	180.009	6384.69	KOP, BUILD @ 10°/100'	
7297.87	87.285	180.009	6957.00	LANDING POINT	
12069.31	87.285	180.009	7183.00	TOTAL DEPTH	