

Planned Wellpath Report

Plan #2

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30-015-34554



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chi Energy	Slot	#4
Area	Eddy County, NM	Well	WC "4" #4
Field	Section T22S R26E	Wellbore	#4 PWB
Facility	WC "4"		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	Gomeoscr
Scale	1.0002	Report Generated	09/21/06 at 10:11:04
Wellbore last revised	09/20/06	Database/Source file	WellArchitectDB/#4_PV

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	0.00	0.00	30 59 24.512N	105 55 44.137W
Facility Reference Pt			0.00	0.00	30 59 24.512N	105 55 44.137W
Field Reference Pt			512522.11	518687.91	32 25 33.528N	104 17 33.900W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on #4 (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on #4 (RT) to Mean Sea Level	0.00 feet
Vertical Reference Pt	Rig on #4 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on #4 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	146.58°

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WELLPATH DATA (36 stations) † = interpolated/extrapolated station								
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments
0.00	0.000	146.575	0.00	0.00	0.00	0.00	0.00	Tie On
8400.00†	0.000	0.000	8400.00	0.00	0.00	0.00	0.00	
8500.00	0.000	146.575	8500.00	0.00	0.00	0.00	0.00	KOP
8600.00†	2.500	146.575	8599.97	2.18	-1.82	1.20	2.50	
8700.00†	5.000	146.575	8699.75	8.72	-7.28	4.80	2.50	
8800.00†	7.500	146.575	8799.14	19.61	-16.36	10.80	2.50	
8900.00†	10.000	146.575	8897.97	34.82	-29.06	19.18	2.50	
8977.19	11.930	146.575	8973.75	49.50	-41.31	27.27	2.50	EOB
9000.00†	11.930	146.575	8996.07	54.21	-45.25	29.86	0.00	
9100.00†	11.930	146.575	9093.91	74.89	-62.50	41.25	0.00	
9200.00†	11.930	146.575	9191.75	95.56	-79.75	52.64	0.00	
9300.00†	11.930	146.575	9289.59	116.23	-97.01	64.02	0.00	
9400.00†	11.930	146.575	9387.43	136.90	-114.26	75.41	0.00	
9500.00†	11.930	146.575	9485.27	157.57	-131.51	86.80	0.00	
9600.00†	11.930	146.575	9583.11	178.24	-148.76	98.18	0.00	
9700.00†	11.930	146.575	9680.95	198.91	-166.02	109.57	0.00	
9800.00†	11.930	146.575	9778.79	219.59	-183.27	120.96	0.00	
9900.00†	11.930	146.575	9876.63	240.26	-200.52	132.34	0.00	
10000.00†	11.930	146.575	9974.47	260.93	-217.77	143.73	0.00	
10100.00†	11.930	146.575	10072.31	281.60	-235.03	155.12	0.00	
10200.00†	11.930	146.575	10170.15	302.27	-252.28	166.50	0.00	
10300.00†	11.930	146.575	10267.99	322.94	-269.53	177.89	0.00	
10400.00†	11.930	146.575	10365.83	343.61	-286.78	189.28	0.00	
10500.00†	11.930	146.575	10463.67	364.28	-304.04	200.66	0.00	
10600.00†	11.930	146.575	10561.51	384.96	-321.29	212.05	0.00	
10700.00†	11.930	146.575	10659.35	405.63	-338.54	223.44	0.00	
10800.00†	11.930	146.575	10757.19	426.30	-355.79	234.82	0.00	
10900.00†	11.930	146.575	10855.03	446.97	-373.05	246.21	0.00	
11000.00†	11.930	146.575	10952.87	467.64	-390.30	257.60	0.00	
11100.00†	11.930	146.575	11050.71	488.31	-407.55	268.98	0.00	
11200.00†	11.930	146.575	11148.55	508.98	-424.80	280.37	0.00	
11300.00†	11.930	146.575	11246.39	529.66	-442.06	291.76	0.00	
11400.00†	11.930	146.575	11344.23	550.33	-459.31	303.14	0.00	
11500.00†	11.930	146.575	11442.07	571.00	-476.56	314.53	0.00	
11600.00†	11.930	146.575	11539.91	591.67	-493.81	325.92	0.00	
11635.86	11.930	146.575	11575.00 ¹	599.08	-500.00	330.00	0.00	4#4 PBHL

HOLE & CASING SECTIONS Ref Wellbore: #4 PWB Ref Wellpath: Plan #2									
String/Diameter	Start MD [feet]	End MD [feet]	Interval [feet]	Start TVD [feet]	End TVD [feet]	Start N/S [feet]	Start E/W [feet]	End N/S [feet]	End E/W [feet]
13.375in Casing	0.00	500.00	500.00	0.00	500.00	0.00	0.00	0.00	0.00
9.625in Casing	0.00	2200.00	2200.00	0.00	2200.00	0.00	0.00	0.00	0.00
8.75in Open Hole	0.00	11635.86	11635.86	0.00	11575.00	0.00	0.00	-500.00	330.00

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Facility	WC "4"		

TARGETS									
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) "4" #4 PBHL		11575.00	-504.68	322.80	322.86	-504.78	30 59 19.563N	105 55 40.346W	point

Slot: #4
Well: WC "4" #4
Wellbore: #4 PWB

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	146.575	0.00	0.00	0.00	0.00	0.00
KOP	8500.00	0.000	146.575	8500.00	0.00	0.00	0.00	0.00
EOB	8977.19	11930	146.575	8973.75	-41.31	27.27	2.50	49.50
4# PBH1	11835.86	11991	146.575	11575.00	-500.00	330.00	0.00	590.08

Pilot reference wellpath is Plan #2	
True vertical depths are referenced to Rig on #4 (RT)	Grid System: NAD27/TW New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on #4 (RT)	North Reference Grid north
Rig on #4 (RT) to Mean Sea Level: 0 feet	Scale: True distance
Mean Sea Level to Mud line (Factory - WC "4") 0 feet	Depths are in feet
Coordinates are in feet referenced to S101	Created by: jamescorum 9/2/2006

