

Company: Marbob Energy Field: Snakebite Site: SS Snakebite FEE #1 Well: SS Snakebite FEE #1 Wellpath: S-Well (Snakebite FEE #1)	Date: 1/18/2006 Co-ordinate(NE) Reference: Site: SS Snakebite FEE #1, True North Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,225.00Azi) Plan: Plan #3 1-18-06
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Field: Snakebite
Eddy County, New Mexico

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2005

Site: SS Snakebite FEE #1
 T-22S & R-27E
 205' FNL & 205' FEL Section 9

Site Position:		Northing:	ft	Latitude:	
From: Lease Line		Easting:	ft	Longitude:	
Position Uncertainty:	0.00 ft			North Reference:	True
Ground Level:	0.00 ft			Grid Convergence:	0.00 deg

Well: SS Snakebite FEE #1

Slot Name:

Well Position:		Northing:	0.00 ft	Latitude:	30 59 24.512 N
		Easting :	0.00 ft	Longitude:	105 55 44.137 W
Position Uncertainty:	0.00 ft				

Wellpath: S-Well (Snakebite FEE #1)

Current Datum: SITE		Height	0.00 ft	Drilled From:	Surface
Magnetic Data: 12/19/2005				Tie-on Depth:	0.00 ft
Field Strength: 0 nT				Above System Datum:	Mean Sea Level
Vertical Section: Depth From (TVD)				Declination:	0.00 deg
	ft	+N/-S	ft	Mag Dip Angle:	0.00 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	225.00

Plan: Plan #3 1-18-06

Date Composed: 1/13/2006
Version: 1
Tied-to: From Surface

Principal: No

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
549.09	0.00	225.00	549.09	0.00	0.00	0.00	0.00	0.00	0.00	
982.43	13.00	225.00	978.72	-34.61	-34.61	3.00	3.00	0.00	225.00	
1333.07	13.00	225.00	1320.38	-90.39	-90.39	0.00	0.00	0.00	0.00	
1766.40	0.00	225.00	1750.00	-125.00	-125.00	3.00	-3.00	0.00	180.00	
5516.40	0.00	225.00	5500.00	-125.00	-125.00	0.00	0.00	0.00	225.00	PBHL SS Snakebite FEE #1

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549.09	0.00	225.00	549.09	0.00	0.00	0.00	0.00	0.00	0.00	225.00

Section 2 : Start Build 3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
982.43	13.00	225.00	978.72	-34.61	-34.61	48.95	3.00	3.00	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1333.07	13.00	225.00	1320.38	-90.39	-90.39	127.83	0.00	0.00	0.00	0.00

PathFinder

Planning Report - Geographic

Company: Marbob Energy Field: Snakebite Site: SS Snakebite FEE #1 Well: SS Snakebite FEE #1 Wellpath: S-Well (Snakebite FEE #1)	Date: 1/18/2006 Co-ordinate(NE) Reference: Site: SS Snakebite FEE #1, True North Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,225.00Azi) Plan: Plan #3 1-18-06	Time: 11:14:20 Page: 2
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Section 4 : Start Drop -3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1766.40	0.00	225.00	1750.00	-125.00	-125.00	176.78	3.00	-3.00	0.00	180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4016.40	0.00	225.00	4000.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
4216.40	0.00	225.00	4200.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
4416.40	0.00	225.00	4400.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
4616.40	0.00	225.00	4600.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
4816.40	0.00	225.00	4800.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
5016.40	0.00	225.00	5000.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
5216.40	0.00	225.00	5200.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
5416.40	0.00	225.00	5400.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00
5516.40	0.00	225.00	5500.00	-125.00	-125.00	176.78	0.00	0.00	0.00	225.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
4016.40	0.00	225.00	4000.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
4216.40	0.00	225.00	4200.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
4416.40	0.00	225.00	4400.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
4616.40	0.00	225.00	4600.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
4816.40	0.00	225.00	4800.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
5016.40	0.00	225.00	5000.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
5216.40	0.00	225.00	5200.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
5416.40	0.00	225.00	5400.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W
5516.40	0.00	225.00	5500.00	-125.00	-125.00	-123.19	-126.78	30	59	23.275 N	105	55	45.573 W

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
PBHL SS Snakebite FEE #1 -Plan hit target			5500.00	-125.00	-125.00	-123.20	-126.78	30	59	23.275 N	105	55	45.573 W

Annotation

MD ft	TVD ft	
549.09	549.09	KOP @ 549' MD Build 3.0°/100' to 13.00°
982.00	978.30	End of build @ 982' MD @ 13.0°
1333.00	1320.31	End of hold. Start of 3.0°/100 drop.
1766.00	1749.60	End of drop start of hold.

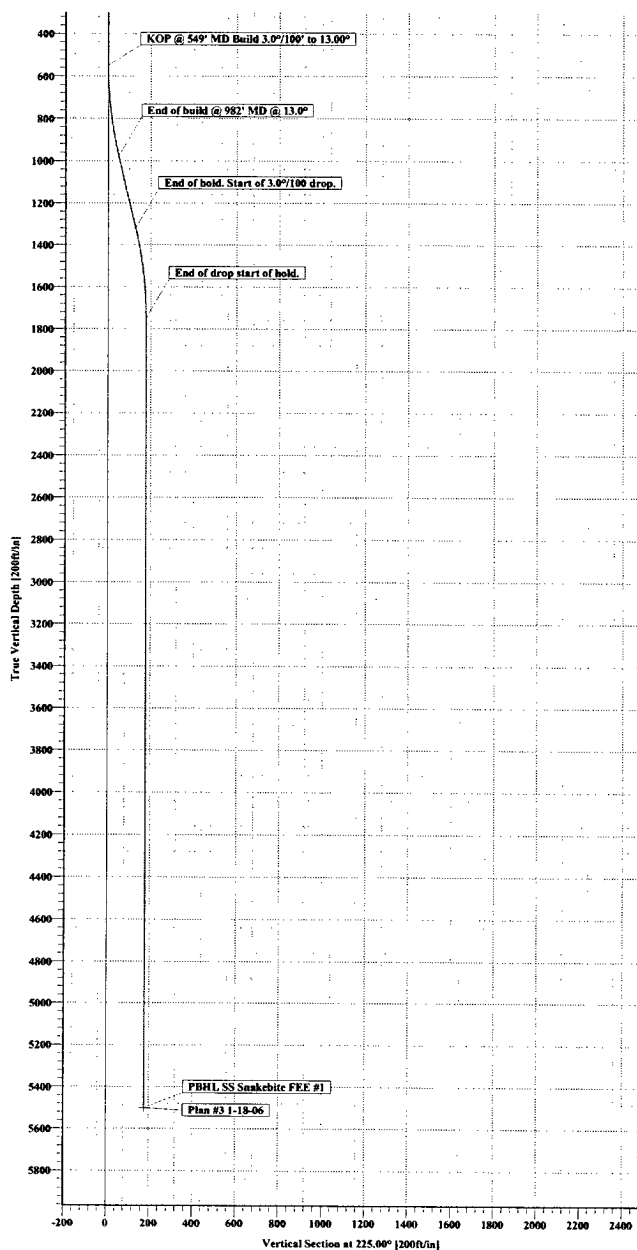
Marbob Energy Corporation

SS Snakebite FEE #1 Section 9, T-22S & R-27E Eddy County, New Mexico Plan #3 1-18-06



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	549.09	0.00	225.00	549.09	0.00	0.00	0.00	0.00	0.00	
3	982.43	13.00	225.00	978.72	-34.61	-34.61	3.00	225.00	48.95	
4	1333.07	13.00	225.00	1320.38	-90.39	-90.39	0.00	0.00	127.83	
5	1766.40	0.00	225.00	1750.00	-125.00	-125.00	3.00	180.00	176.78	
6	5516.40	0.00	225.00	5500.00	-125.00	-125.00	0.00	225.00	176.78	PBHL SS Snakebite FEE #1



COMPANY DETAILS

Marbob Energy
2208 W. Main St.
Artesia, New Mexico
Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Cone
Warning Method: Error Ratio

FIELD DETAILS

Snakebite
Eddy County, New Mexico
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005
System Datum: Mean Sea Level
Local North: True North

