

Ryan Energy Technologies

COMPLETION REPORT



30-045-33307

Company: ConocoPhillips	Date: 10/31/2006	Time: 09:39:54	Page: 1
Field: San Juan County, NM	Co-ordinate(NE) Reference:	Site: San Juan 32-8 7M; Grid North	
Site: San Juan 32-8 7M	Vertical (TVD) Reference:	SITE: 0.0	
Well: Well 32-8 7M	Section (VS) Reference:	Well (0.00N, 0.00E, 106.39Azi)	
Wellpath: Original Hole	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Field: San Juan County, NM
New Mexico
USA

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

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

Site: San Juan 32-8 7M
Sec. 21, T31N, R8W
San Juan County, NM

*Surface 1875/N 175/E Sec 21
BHL 1610/N 738/W Sec 22*

Site Position:	From: Local Only	Northing:	ft	Latitude:	ft
Position Uncertainty:	0.00 ft	Easting:	ft	Longitude:	deg
Ground Level:	0.00 ft	North Reference:	Grid	Grid Convergence:	deg

Well: Well 32-8 7M

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	ft	Latitude:	ft
	+E/-W	0.00 ft	Easting:	ft	Longitude:	ft
Position Uncertainty:		0.00 ft				

RCVD OCT 3 '07
OIL CONS. DIV.

Wellpath: Original Hole

Drilled From:	Surface
Tie-on Depth:	0.00 ft
Above System Datum:	Mean Sea Level
Declination:	0.00 deg
Mag Dip Angle:	0.00 deg
Direction	deg

DIST. 3

Current Datum:	SITE	Height	0.00 ft
Magnetic Data:	8/4/2005		
Field Strength:	0 nT		
Vertical Section:	Depth From (TVD)	+N/-S	ft
	ft	ft	
	0.00	0.00	0.00

Survey Program for Definitive Wellpath

Date: 10/31/2006 Validated: No
Actual From To Survey

Version: 0
Toolcode

Tool Name

257.00	3280.00	Survey #1 (257.00-3280.00)
3370.00	3370.00	Survey #2 (3370.00-3370.00)

MWD	Standard MWD
Projection	Projection

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist ft	Clsr Azi deg	Dog Leg deg/100ft	Tool
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
257.00	0.20	257.00	-0.02	13.20	0.44	0.10	0.45	13.20	0.08	MWD
350.00	2.20	349.98	1.61	129.60	-0.54	1.52	1.61	109.73	2.47	MWD
442.00	4.20	441.83	6.59	110.60	-2.85	6.03	6.67	115.33	2.43	MWD
534.00	6.30	533.44	15.00	105.30	-5.37	14.05	15.04	110.92	2.34	MWD
627.00	9.10	625.59	27.45	104.90	-8.61	26.08	27.47	108.27	3.01	MWD
721.00	11.40	718.09	44.14	101.10	-12.31	42.39	44.14	106.20	2.55	MWD
816.00	13.40	810.87	64.49	104.20	-16.82	62.27	64.50	105.11	2.22	MWD
910.00	15.80	901.83	88.17	108.50	-23.55	84.97	88.18	105.49	2.80	MWD
1006.00	18.00	993.68	116.02	110.60	-32.92	111.25	116.02	106.48	2.38	MWD
1100.00	20.40	1082.44	146.85	110.60	-43.80	140.19	146.87	107.35	2.55	MWD
1193.00	22.70	1168.94	180.92	110.20	-55.70	172.21	180.99	107.92	2.48	MWD
1288.00	24.80	1255.89	219.11	109.50	-68.68	208.20	219.23	108.26	2.23	MWD
1383.00	27.40	1341.19	260.83	109.90	-82.77	247.54	261.01	108.49	2.74	MWD
1477.00	27.60	1424.57	304.17	109.50	-97.40	288.40	304.41	108.66	0.29	MWD
1572.00	26.40	1509.21	347.23	109.50	-111.80	329.06	347.53	108.77	1.26	MWD
1667.00	27.30	1593.98	390.11	106.40	-125.00	369.87	390.42	108.67	1.75	MWD
1762.00	26.40	1678.73	433.02	106.70	-137.22	411.00	433.30	108.46	0.96	MWD
1856.00	27.30	1762.60	475.45	103.90	-148.41	451.94	475.68	108.18	1.65	MWD
1951.00	26.50	1847.32	518.39	103.90	-158.73	493.66	518.55	107.82	0.84	MWD
2046.00	27.80	1931.85	561.69	103.50	-168.99	535.78	561.80	107.51	1.38	MWD
2140.00	27.90	2014.97	605.55	103.50	-179.25	578.48	605.61	107.22	0.11	MWD

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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist ft	Clsr Azi deg	Dog Leg deg/100ft	Tool
2235.00	26.60	2099.42	648.97	102.50	-189.04	620.86	649.00	106.93	1.45	MWD
2330.00	25.00	2184.95	690.22	102.50	-197.99	661.22	690.23	106.67	1.68	MWD
2425.00	24.10	2271.36	729.59	102.10	-206.40	699.79	729.59	106.43	0.96	MWD
2520.00	22.50	2358.61	767.11	104.90	-215.14	736.32	767.11	106.29	2.05	MWD
2615.00	20.40	2447.03	801.84	106.70	-224.57	769.75	801.84	106.26	2.32	MWD
2710.00	18.20	2536.68	833.24	106.40	-233.52	799.85	833.24	106.28	2.32	MWD
2805.00	16.00	2627.48	861.17	107.10	-241.56	826.60	861.17	106.29	2.33	MWD
2900.00	13.50	2719.34	885.34	108.80	-248.98	849.61	885.34	106.33	2.67	MWD
2995.00	11.40	2812.10	905.80	108.80	-255.58	869.00	905.80	106.39	2.21	MWD
3090.00	9.10	2905.58	922.70	106.70	-260.77	885.08	922.70	106.42	2.45	MWD
3185.00	6.40	2999.71	935.40	94.70	-263.36	897.56	935.40	106.35	3.30	MWD
3280.00	4.30	3094.29	944.06	94.00	-264.04	906.39	944.07	106.24	2.21	MWD
3370.00	4.30	3184.04	950.65	94.00	-264.52	913.12	950.66	106.16	0.00	PROJECTED