

Ryan Energy Technologies

COMPLETION REPORT



30-045-33023

Company: ConocoPhillips		Date: 10/20/2006	Time: 13:47:45	Page: 1
Field: San Juan County, NM		Co-ordinate(NE) Reference:	Site: Blanco #9B, Grid North	
Site: Blanco #9B		Vertical (TVD) Reference:	SITE 0.0	
Well: #9B		Section (VS) Reference:	Well (0.00N,0.00E,188.62Azi)	
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	Map Zone: New Mexico, Western Zone
Geo Datum: NAD27 (Clarke 1866)		Coordinate System: Site Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf2005	

Site: Blanco #9B	
Sec 35-T31N-R8W	
Site Position:	Northing: ft
From: Local Only	Easting: ft
Position Uncertainty: 0.00 ft	Latitude: deg
Ground Level: 0.00 ft	Grid Convergence: deg

Well: #9B		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: ft	Latitude: deg	RCVD JUN15'07 OIL CONS. DIV. DIST. 3
+E/-W 0.00 ft	Easting: ft	Longitude: deg	
Position Uncertainty: 0.00 ft			

Wellpath: Original Hole		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 12/29/2005		Above System Datum: Mean Sea Level	
Field Strength: 0 nT		Declination: 0.00 deg	
Vertical Section: Depth From (TVD) ft	+N/-S ft	Mag Dip Angle: 0.00 deg	Direction deg
0.00	0.00	0.00	188.62

Survey Program for Definitive Wellpath			
Date: 10/20/2006	Validated: No	Version: 0	
Actual From ft	To ft	Survey	Tool Name
292.00	3062.00	Ryan MWD (292.00-3062.00)	Standard MWD

Survey										
MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
292.00	0.70	291.99	1.20	141.10	-1.39	1.12	1.78	141.10	0.24	MWD
384.00	2.60	383.95	3.56	169.60	-3.88	1.85	4.30	154.50	2.19	MWD
476.00	5.30	475.72	9.57	170.60	-10.12	2.92	10.54	163.91	2.94	MWD
569.00	5.50	568.31	17.97	174.10	-18.79	4.08	19.23	167.75	0.41	MWD
663.00	6.40	661.81	27.56	184.70	-28.50	4.11	28.79	171.79	1.51	MWD
757.00	8.30	755.03	39.57	191.00	-40.38	2.39	40.45	176.61	2.19	MWD
853.00	9.50	849.87	54.40	192.10	-54.93	-0.59	54.93	180.62	1.26	MWD
947.00	12.00	942.22	71.91	187.10	-72.21	-3.43	72.29	182.72	2.84	MWD
1042.00	13.40	1034.90	92.73	182.20	-93.02	-5.07	93.15	183.12	1.86	MWD
1137.00	14.80	1127.03	115.74	182.90	-116.13	-6.11	116.30	183.01	1.48	MWD
1232.00	16.70	1218.46	141.44	185.40	-141.84	-8.01	142.07	183.23	2.12	MWD
1327.00	19.30	1308.80	170.74	185.00	-171.08	-10.66	171.41	183.57	2.74	MWD
1422.00	21.10	1397.96	203.52	188.50	-203.63	-14.56	204.15	184.09	2.28	MWD
1517.00	22.80	1486.07	239.02	190.30	-238.66	-20.37	239.53	184.88	1.92	MWD
1612.00	21.90	1573.93	275.13	189.60	-274.24	-26.62	275.53	185.54	0.99	MWD
1707.00	24.00	1661.41	312.17	188.90	-310.80	-32.56	312.50	185.98	2.23	MWD
1802.00	23.10	1748.50	350.13	188.90	-348.30	-38.44	350.41	186.30	0.95	MWD
1897.00	21.10	1836.51	385.87	189.20	-383.59	-44.05	386.12	186.55	2.11	MWD
1991.00	19.40	1924.70	418.40	187.80	-415.77	-48.88	418.63	186.71	1.88	MWD
2087.00	17.50	2015.76	448.78	189.20	-445.81	-53.35	448.99	186.82	2.03	MWD
2182.00	16.00	2106.73	476.15	188.20	-472.87	-57.50	476.36	186.93	1.61	MWD
2277.00	15.70	2198.12	502.09	187.10	-498.59	-60.96	502.30	186.97	0.45	MWD

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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
2368.00	14.90	2285.89	526.09	186.40	-522.43	-63.78	526.31	186.96	0.90	MWD
2463.00	14.20	2377.84	549.94	186.10	-546.16	-66.38	550.18	186.93	0.74	MWD
2558.00	13.40	2470.10	572.57	185.40	-568.70	-68.66	572.83	186.88	0.86	MWD
2653.00	12.40	2562.70	593.75	185.40	-589.82	-70.65	594.03	186.83	1.05	MWD
2748.00	11.40	2655.66	613.30	185.40	-609.32	-72.50	613.62	186.79	1.05	MWD
2842.00	10.40	2747.96	631.04	184.30	-627.03	-74.01	631.38	186.73	1.09	MWD
2905.00	10.20	2809.95	642.29	187.50	-638.23	-75.16	642.64	186.72	0.96	MWD
2968.00	7.80	2872.17	652.13	191.70	-647.95	-76.76	652.48	186.76	3.95	MWD
3018.17	5.52	2922.00	657.93	196.57	-653.60	-78.14	658.25	186.82	4.68	EOD
3062.00	3.60	2965.69	661.33	205.80	-656.86	-79.34	661.63	186.89	4.68	MWD