

ConocoPhillips

Directional Survey
HUERFANITO UNIT #74R

Wellbore Name Original Hole		Parent Wellbore Original Hole		Kick Off Depth (ftKB)		Vertical Section Direction (°) 0.00	
Date 2/22/2007		Definitive? Yes		Description Gyro		Proposed?	
MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (°) 0.00		Azimuth Tie In (°) 0.00	NSTie In (ft) 0.00	EWTie In (ft) 0.00	

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
2/22/2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Gyro MS	Scientific Drilling
2/22/2007	100.00	0.60	156.90	100.00	-0.48	-0.48	0.21	0.60	Gyro MS	Scientific Drilling
2/22/2007	200.00	0.37	206.86	199.99	-1.25	-1.25	0.26	0.46	Gyro MS	Scientific Drilling
2/22/2007	300.00	0.50	192.70	299.99	-1.96	-1.96	0.02	0.17	Gyro MS	Scientific Drilling
2/22/2007	400.00	0.55	194.62	399.99	-2.86	-2.86	-0.19	0.05	Gyro MS	Scientific Drilling
2/22/2007	500.00	0.71	179.36	499.98	-3.94	-3.94	-0.31	0.23	Gyro MS	Scientific Drilling
2/22/2007	600.00	0.53	164.16	599.98	-5.00	-5.00	-0.17	0.24	Gyro MS	Scientific Drilling
2/22/2007	700.00	0.67	169.12	699.97	-6.02	-6.02	0.06	0.15	Gyro MS	Scientific Drilling
2/22/2007	800.00	0.76	165.37	799.96	-7.24	-7.24	0.34	0.10	Gyro MS	Scientific Drilling
2/22/2007	900.00	0.66	173.68	899.96	-8.45	-8.45	0.57	0.14	Gyro MS	Scientific Drilling
2/22/2007	1,000.00	0.91	168.15	999.95	-9.80	-9.80	0.80	0.26	Gyro MS	Scientific Drilling
2/22/2007	1,100.00	0.99	161.46	1,099.93	-11.40	-11.40	1.23	0.14	Gyro MS	Scientific Drilling
2/22/2007	1,200.00	0.99	157.73	1,199.92	-13.02	-13.02	1.84	0.06	Gyro MS	Scientific Drilling
2/22/2007	1,300.00	0.99	160.37	1,299.90	-14.63	-14.63	2.45	0.05	Gyro MS	Scientific Drilling
2/22/2007	1,400.00	1.22	155.80	1,399.88	-16.41	-16.41	3.18	0.25	Gyro MS	Scientific Drilling
2/22/2007	1,500.00	1.12	156.29	1,499.86	-18.28	-18.28	4.01	0.10	Gyro MS	Scientific Drilling
2/22/2007	1,600.00	1.26	159.28	1,599.84	-20.20	-20.20	4.79	0.15	Gyro MS	Scientific Drilling
2/22/2007	1,700.00	1.23	174.27	1,699.82	-22.30	-22.30	5.29	0.33	Gyro MS	Scientific Drilling
2/22/2007	1,800.00	1.20	182.74	1,799.80	-24.41	-24.41	5.35	0.18	Gyro MS	Scientific Drilling
2/22/2007	1,900.00	1.23	192.27	1,899.77	-26.51	-26.51	5.07	0.20	Gyro MS	Scientific Drilling
2/22/2007	2,000.00	1.14	195.67	1,999.75	-28.52	-28.52	4.57	0.11	Gyro MS	Scientific Drilling
2/22/2007	2,100.00	0.87	201.41	2,099.74	-30.18	-30.18	4.02	0.29	Gyro MS	Scientific Drilling
2/22/2007	2,200.00	0.44	219.40	2,199.73	-31.18	-31.18	3.50	0.47	Gyro MS	Scientific Drilling
2/22/2007	2,300.00	0.35	239.87	2,299.73	-31.63	-31.63	3.00	0.17	Gyro MS	Scientific Drilling
2/22/2007	2,400.00	0.55	236.45	2,399.72	-32.05	-32.05	2.33	0.20	Gyro MS	Scientific Drilling
2/22/2007	2,500.00	0.55	235.78	2,499.72	-32.59	-32.59	1.54	0.01	Gyro MS	Scientific Drilling
2/22/2007	2,600.00	0.57	218.28	2,599.71	-33.25	-33.25	0.83	0.17	Gyro MS	Scientific Drilling
2/22/2007	2,700.00	0.78	202.35	2,699.71	-34.27	-34.27	0.26	0.28	Gyro MS	Scientific Drilling
2/22/2007	2,800.00	0.74	205.93	2,799.70	-35.48	-35.48	-0.28	0.06	Gyro MS	Scientific Drilling
2/22/2007	2,900.00	0.89	203.05	2,899.69	-36.77	-36.77	-0.86	0.16	Gyro MS	Scientific Drilling
2/22/2007	3,000.00	0.95	212.71	2,999.68	-38.19	-38.19	-1.62	0.17	Gyro MS	Scientific Drilling
2/22/2007	3,100.00	0.90	209.36	3,099.66	-39.57	-39.57	-2.45	0.07	Gyro MS	Scientific Drilling
2/22/2007	3,200.00	1.00	205.24	3,199.65	-41.04	-41.04	-3.21	0.12	Gyro MS	Scientific Drilling
2/22/2007	3,300.00	1.44	215.10	3,299.63	-42.86	-42.86	-4.30	0.49	Gyro MS	Scientific Drilling
2/22/2007	3,400.00	1.53	225.45	3,399.59	-44.82	-44.82	-5.98	0.28	Gyro MS	Scientific Drilling
2/22/2007	3,500.00	1.56	223.16	3,499.56	-46.75	-46.75	-7.86	0.07	Gyro MS	Scientific Drilling
2/22/2007	3,600.00	1.43	228.77	3,599.52	-48.57	-48.57	-9.73	0.20	Gyro MS	Scientific Drilling
2/22/2007	3,700.00	1.27	232.28	3,699.50	-50.07	-50.07	-11.54	0.18	Gyro MS	Scientific Drilling
2/22/2007	3,800.00	1.26	230.31	3,799.47	-51.45	-51.45	-13.27	0.04	Gyro MS	Scientific Drilling
2/22/2007	3,900.00	1.02	238.47	3,899.45	-52.62	-52.62	-14.87	0.29	Gyro MS	Scientific Drilling
2/22/2007	4,000.00	0.77	243.94	3,999.44	-53.38	-53.38	-16.23	0.26	Gyro MS	Scientific Drilling
2/22/2007	4,100.00	0.54	266.76	4,099.43	-53.70	-53.70	-17.31	0.34	Gyro MS	Scientific Drilling
2/22/2007	4,200.00	0.53	250.87	4,199.43	-53.88	-53.88	-18.21	0.15	Gyro MS	Scientific Drilling
2/22/2007	4,300.00	0.55	253.07	4,299.42	-54.17	-54.17	-19.11	0.03	Gyro MS	Scientific Drilling
2/22/2007	4,400.00	0.68	268.83	4,399.42	-54.32	-54.32	-20.16	0.21	Gyro MS	Scientific Drilling
2/22/2007	4,500.00	0.69	273.71	4,499.41	-54.29	-54.29	-21.36	0.06	Gyro MS	Scientific Drilling
2/22/2007	4,600.00	0.46	310.58	4,599.41	-53.99	-53.99	-22.26	0.42	Gyro MS	Scientific Drilling
2/22/2007	4,700.00	0.04	172.25	4,699.41	-53.77	-53.77	-22.56	0.49	Gyro MS	Scientific Drilling
2/22/2007	4,800.00	0.20	157.62	4,799.40	-53.96	-53.96	-22.49	0.16	Gyro MS	Scientific Drilling
2/22/2007	4,900.00	0.24	162.31	4,899.40	-54.32	-54.32	-22.36	0.04	Gyro MS	Scientific Drilling
2/22/2007	5,000.00	0.46	185.44	4,999.40	-54.92	-54.92	-22.34	0.26	Gyro MS	Scientific Drilling
2/22/2007	5,100.00	0.67	190.80	5,099.40	-55.90	-55.90	-22.48	0.22	Gyro MS	Scientific Drilling
2/22/2007	5,200.00	0.56	187.00	5,199.39	-56.96	-56.96	-22.65	0.12	Gyro MS	Scientific Drilling
2/22/2007	5,300.00	0.61	176.04	5,299.39	-57.97	-57.97	-22.67	0.12	Gyro MS	Scientific Drilling
2/22/2007	5,400.00	0.72	185.04	5,399.38	-59.13	-59.13	-22.69	0.15	Gyro MS	Scientific Drilling
2/22/2007	5,500.00	0.55	188.44	5,499.37	-60.23	-60.23	-22.82	0.17	Gyro MS	Scientific Drilling
2/22/2007	5,600.00	0.90	188.61	5,599.37	-61.48	-61.48	-23.01	0.35	Gyro MS	Scientific Drilling
2/22/2007	5,700.00	0.78	187.12	5,699.35	-62.93	-62.93	-23.21	0.12	Gyro MS	Scientific Drilling
2/22/2007	5,800.00	0.77	193.36	5,799.35	-64.26	-64.26	-23.45	0.08	Gyro MS	Scientific Drilling

30-045-33739

3/1/07

Survey Data											
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company	
2/22/2007	5,900.00	0.81	212.25	5,899.34	-65.51	-65.51	-23.98	0.26	Gyro MS	Scientific Drilling	
2/22/2007	6,000.00	0.84	225.53	5,999.33	-66.62	-66.62	-24.88	0.19	Gyro MS	Scientific Drilling	
2/22/2007	6,100.00	0.88	238.17	6,099.31	-67.54	-67.54	-26.06	0.19	Gyro MS	Scientific Drilling	
2/22/2007	6,200.00	0.96	260.59	6,199.30	-68.09	-68.09	-27.54	0.37	Gyro MS	Scientific Drilling	
2/22/2007	6,300.00	1.42	273.11	6,299.28	-68.15	-68.15	-29.60	0.53	Gyro MS	Scientific Drilling	
2/22/2007	6,400.00	1.87	304.32	6,399.24	-67.17	-67.17	-32.18	0.99	Gyro MS	Scientific Drilling	
2/22/2007	6,500.00	1.40	310.59	6,499.20	-65.45	-65.45	-34.46	0.50	Gyro MS	Scientific Drilling	
2/22/2007	6,600.00	0.85	203.85	6,599.19	-65.34	-65.34	-35.69	1.84	Gyro MS	Scientific Drilling	
2/22/2007	6,700.00	1.01	181.57	6,699.18	-66.90	-66.90	-36.01	0.39	Gyro MS	Scientific Drilling	
2/22/2007	6,765.00	1.24	174.17	6,764.16	-68.17	-68.17	-35.96	0.42	Gyro MS	Scientific Drilling	

RCVD FEB26'07
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as DRILLING ENGINEER for ConocoPhillips Company am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this 26th DAY OF FEB 2007

Tracy N. Morales

Notary Public in and for San Juan County, New Mexico

My Commission expires

Jun 24 2011