

38-025-39806
F-29-215-37e
1930/W @ 2195/W



Directional Survey Data

Well Name CENTRAL DRINKARD UNIT 442	Lease Central Drinkard Unit	Field Name Drinkard	Business Unit Mid-Continent/Alaska	Surface UWI 30025398060	Surface Chevron MI0724
Wellbore Name Original Hole	Directional Type Vertical	Wellbore UWI 300253980600	Wellbore Chevron MI0724-00	Kick Off Depth (RKB) 6,715.00	Total Depth (RKB) 6,715.00
UTM Northing (Y) (ft)	UTM Easting (X) (ft)	UTM Grid Zone	Latitude (DMS) 32° 27' 5.34" N	Longitude (DMS) 103° 11' 10.35" W	Date TD Reached (wellbore) 12/7/2010 14:30

Directional Surveys

Description Teledrift	Planned? No	Definitive? No	Note Correction
--------------------------	----------------	-------------------	-----------------

Survey Data

Survey Company	Date	MD (RKB)	YVD (RKB)	Inc (°)	Azm (°)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Buid (°/100ft)	Turn (°/100ft)
	11/25/2010	1,375.00	1,374.99	0.40	0.00	4.74	4.74	0.00	0.03	0.03	0.00
	11/25/2010	1,500.00	1,499.99	0.50	0.00	5.73	5.73	0.00	0.08	0.08	0.00
	11/27/2010	2,040.00	2,039.71	2.90	0.00	21.74	21.74	0.00	0.44	0.44	0.00
	11/27/2010	2,264.00	2,263.32	3.80	0.00	34.83	34.83	0.00	0.40	0.40	0.00
	11/27/2010	2,309.00	2,308.22	3.80	0.00	37.82	37.82	0.00	0.00	0.00	0.00
	11/27/2010	2,354.00	2,353.12	4.00	0.00	40.88	40.88	0.00	0.44	0.44	0.00
	11/27/2010	2,399.00	2,398.01	4.20	0.00	44.09	44.09	0.00	0.44	0.44	0.00
	11/28/2010	2,444.00	2,442.89	4.10	0.00	47.35	47.35	0.00	0.22	-0.22	0.00
	11/28/2010	2,489.00	2,487.78	3.80	0.00	50.45	50.45	0.00	0.67	-0.67	0.00
	11/28/2010	2,534.00	2,532.69	3.60	0.00	53.35	53.35	0.00	0.44	-0.44	0.00
	11/28/2010	2,579.00	2,577.60	3.40	0.00	56.10	56.10	0.00	0.44	-0.44	0.00
	11/28/2010	2,627.00	2,625.52	3.40	0.00	58.95	58.95	0.00	0.00	0.00	0.00
	11/28/2010	2,669.00	2,667.46	2.80	0.00	61.22	61.22	0.00	1.43	-1.43	0.00
	11/28/2010	2,714.00	2,712.41	2.50	0.00	63.30	63.30	0.00	0.67	-0.67	0.00
	11/28/2010	2,759.00	2,757.37	2.10	0.00	65.11	65.11	0.00	0.89	-0.89	0.00
	11/28/2010	2,804.00	2,802.34	2.30	0.00	66.83	66.83	0.00	0.44	0.44	0.00
	11/28/2010	2,849.00	2,847.31	2.00	0.00	68.52	68.52	0.00	0.67	-0.67	0.00
	11/28/2010	2,894.00	2,892.28	1.70	0.00	69.97	69.97	0.00	0.67	-0.67	0.00
	11/28/2010	2,937.00	2,935.26	2.00	0.00	71.36	71.36	0.00	0.70	0.70	0.00
	11/28/2010	2,984.00	2,982.23	1.80	0.00	72.92	72.92	0.00	0.43	-0.43	0.00
	11/28/2010	3,029.00	3,027.21	1.90	0.00	74.37	74.37	0.00	0.22	0.22	0.00
	11/28/2010	3,074.00	3,072.19	1.90	0.00	75.87	75.87	0.00	0.00	0.00	0.00
	11/28/2010	3,118.00	3,116.17	1.70	0.00	77.25	77.25	0.00	0.45	-0.45	0.00
	11/29/2010	3,156.00	3,154.15	1.30	0.00	78.24	78.24	0.00	1.05	-1.05	0.00
	11/29/2010	3,201.00	3,199.14	1.00	0.00	79.15	79.15	0.00	0.67	-0.67	0.00
	11/29/2010	3,246.00	3,244.14	1.10	0.00	79.97	79.97	0.00	0.22	0.22	0.00
	11/29/2010	3,291.00	3,289.12	1.80	0.00	81.11	81.11	0.00	1.56	-1.56	0.00
	11/29/2010	3,336.00	3,334.10	1.30	0.00	82.33	82.33	0.00	1.11	-1.11	0.00
	11/29/2010	3,381.00	3,379.10	0.80	0.00	83.15	83.15	0.00	1.33	1.33	0.00
	11/29/2010	3,426.00	3,424.09	1.40	0.00	84.01	84.01	0.00	1.78	-1.78	0.00
	11/29/2010	3,471.00	3,469.08	0.60	0.00	84.80	84.80	0.00	0.11	0.11	0.00
	11/30/2010	3,741.00	3,739.06	0.90	0.00	88.33	88.33	0.00	0.11	0.11	0.00
	12/1/2010	4,305.00	4,302.98	1.00	0.00	97.69	97.69	0.00	0.02	0.02	0.00
	12/2/2010	4,930.00	4,927.86	1.20	0.00	109.68	109.68	0.00	0.03	0.03	0.00
	12/6/2010	5,473.00	5,470.75	1.20	0.00	121.06	121.06	0.00	0.00	0.00	0.00
	12/6/2010	5,743.00	5,740.69	1.10	0.00	126.47	126.47	0.00	0.04	-0.04	0.00
	12/6/2010	6,008.00	6,005.65	1.00	0.00	131.33	131.33	0.00	0.04	-0.04	0.00
	12/7/2010	6,507.00	6,504.60	0.60	0.00	138.30	138.30	0.00	0.08	-0.08	0.00
	12/7/2010	6,715.00	6,712.57	1.20	0.00	141.56	141.56	0.00	0.29	0.29	0.00