

WELL LOGS

K Z

API number:	30-025-38483		
OGRID:		Operator:	CIMAREX ENERGY CO
		Property:	WINDOM 12 FEE # 2

surface	ULSTR:	A	12	T	15S	R	37E
			430	FNL	430	FEL	

BH Loc	ULSTR:	P	12	T	15S	R	37E
			4929	FNL	393	FEL	

Ground Level:	3791	DF:	3813	KB:	3814	
Datum:	KB			TD:	11159	

Land: STATE

Completion Date: (1) 11/27/2007

Date Logs Received: 10/20/2008

*** LATE ***

Date Logs Due in: (2) 12/17/2007

Confidential:	NO			Date out:		
---------------	----	--	--	-----------	--	--

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
TD LD CN/GR	200	9812	Three Detector Litho-Density
HRLA	4511	9776	High Resolution Laterolog
	4511	9762	Hostile Natural Gamma Ray Spectroscopy
	8500	9633	Fullbore Formation Micro Imager

K Z

OCD TOPS

Rustler	2203	Strawn			
Tansill		Atoka			
Yates	3156	Morrow			
7 rvs	3340				
		Austin			
		Chester			
Queen	3946	Miss Lime			
Penrose					
Grayburg					
San Andres	4428				
Glorieta	6704				
Paddock					
Blinberry					
Tubb	7487				
Drinkard	7740				
Abo	8203				
Wolfcamp	9378				

Results of Directional Survey

API number:	30-025-38483		
OGRID:		Operator:	CIMAREX ENERGY CO
		Property:	WINDOM 12 FEE # 2

surface	ULSTR:	A	12	T 15S	R 37E
			430	FNL	430
				FEL	

BH Loc	ULSTR:	P	12	T 15S	R 37E
			4929	FNL	393
				FEL	

	MD	N/S	E/W	VD
	9509	-241.31	-20.76	9361.36
TOP PERFS/OH	9514	-246.28	-20.73	9361.94
	9524	-256.21	-20.67	9363.10
	4322	-518.63	-85.18	4265.26
BOT PERFS/OH	13770	-2569.63	-107.82	13493.79
	4418	-539.47	-85.41	4359.03

NEXT TO LAST	13709	-4438.55	38.81	9394.69
LAST READING	13734	-4463.42	38.12	9397.17
TD	13770	-4499.23	37.13	9400.74

Surface Location	430	FN	430	FE
Projected BHL	4929	FN	393	FE
Location of				
Top Perfs/OH	676	FN	451	FE
Bottom Perfs/OH	3000	FN	538	FE

SUMMARY of Subsurface Locations

Surface Location	A-12-15S-37E	430	FN	430	FE	Vert. Depth
Top Perfs/OH	A-12-15S-37E	676	FN	451	FE	9361.94
Bottom Perfs/OH	P-12-15S-37E	3000	FN	538	FE	13493.79
Projected TD	P-12-15S-37E	4929	FN	393	FE	9400.74

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Windom # 12 Fee # 2 Sec. 12, T15S, R37E
COUNTY: Lea Co., New Mexico

**STATE OF NEW MEXICO
DEVIATION REPORT**

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
299	3/4	6,748	3/4
575	3/4	7,128	1/2
977	3/4	7,570	3/4
1,437	1 1/4	7,670	1/2
1,874	1/2	7,824	1/4
2,537	1/4	8,300	1/4
2,915	0	8,774	1/2
3,454	1	9,186	0
3,802	1/4	9,249	0
4,602	1	9,272	1
5,009	1		
5,388	1		
5,862	1/2		
6,271	3/4		

SUR: A-12-15s-37e, 430/N & 430/E
BHL: P-12-15s-37e, 4929/N & 393/E
API # 30-025-38483

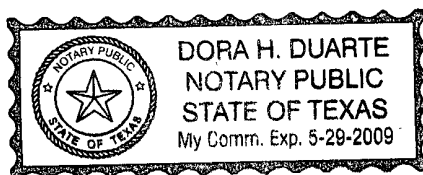
Patriot Drilling, LLC



M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 14th day of October, 2008 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009




Dora H. Duarte
Notary Public for Midland Co., Texas





Windom 12 Fee #2
430' FNL, 430' FEL
LEA COUNTY, NEW MEXICO



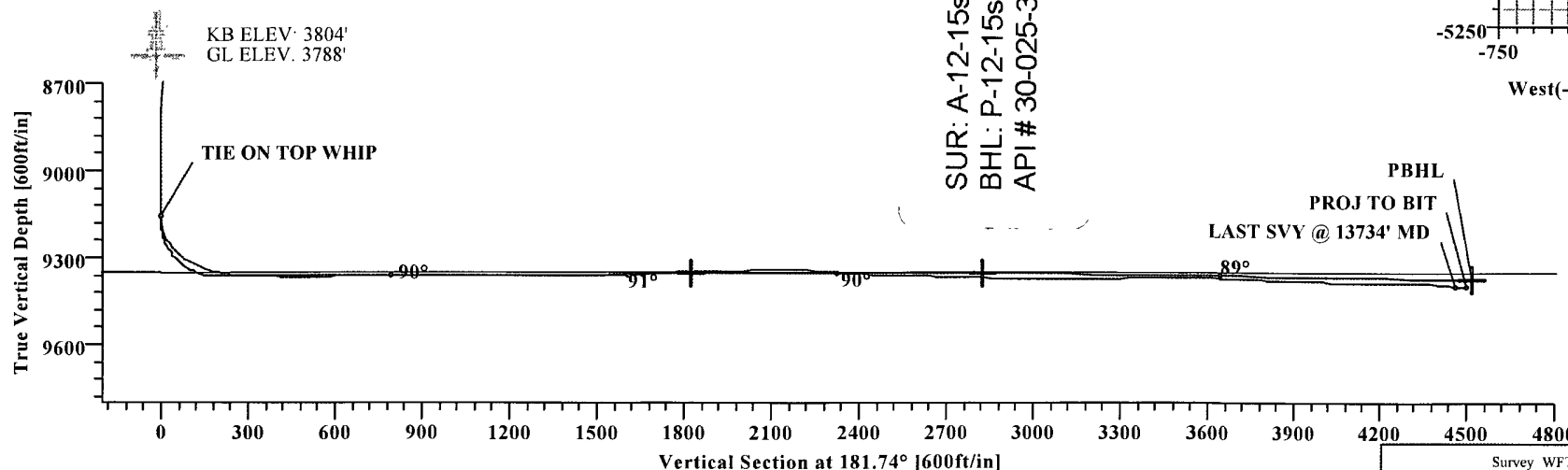
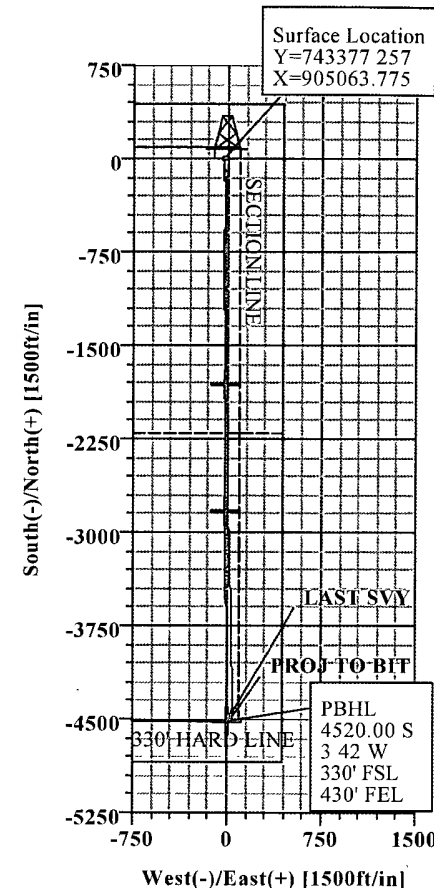
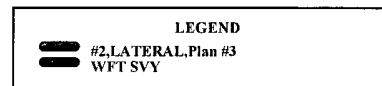
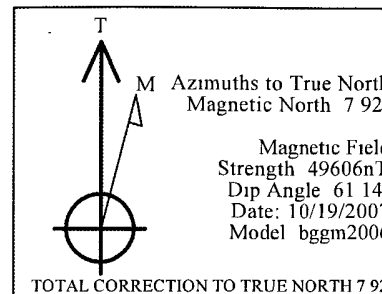
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	9158.26	0.47	276.87	9157.95	4.22	-24.19	0.00	0.00	0.31	
2	9177.18	2.42	179.74	9176.87	3.83	-24.27	13.33	252.20	0.70	
3	9182.40	2.42	179.74	9182.08	3.61	-24.26	0.00	0.00	0.92	
4	9474.33	90.00	179.74	9365.00	-187.20	-23.38	30.00	0.00	191.62	
5	10674.33	90.00	179.74	9365.00	-1387.19	-17.85	0.00	0.00	1390.89	
6	10724.18	91.50	179.74	9364.35	-1437.04	-17.62	3.00	0.23	1440.70	
7	11057.48	91.50	179.74	9355.65	-1770.21	-16.12	0.00	0.00	1773.68	
8	11107.33	90.00	179.74	9355.00	-1820.06	-15.89	3.00	-179.83	1823.50	Crestone
9	12107.71	90.00	179.74	9355.00	-2820.43	-11.30	0.00	0.00	2823.27	T2
10	12153.27	89.32	179.73	9355.27	-2865.98	-11.09	1.50	-179.75	2868.80	
11	13807.42	89.32	179.73	9375.00	-4520.00	-3.42	0.00	0.00	4521.82	PBHL

WELL DETAILS							
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
#2	3.81	-0.54	743381.06	905063.19	33°02'16.440N	103°08'47.240W	N/A

TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
Crestone	9355.00	-1820.06	-15.89	Point	
T2	9355.00	-2820.43	-11.30	Point	
PBHL	9375.00	-4520.00	-3.42	Point	

FIELD DETAILS	
Lea Co., NM (NAD 83)	
Geodetic System	US State Plane Coordinate System 1983
Ellipsoid	GRS 1980
Zone	New Mexico, Eastern Zone
Magnetic Model	bggm2006
System Datum	Mean Sea Level
Local North	True North

SITE DETAILS	
WINDOM 12 Fee #2	
430' FNL 430' FEL of Section 12, T-15-S, R-37-E	
Site Centre Northing	743377.26
Easting	905063.78
Ground Level	3788.00
Positional Uncertainty	0.00
Convergence	0.65





Weatherford International, Inc.

Survey Report

**Weatherford**

Company: Cimarex Date: 11/26/2007 Time: 09:55:57 Page: 1
Field: Lea Co., NM (NAD 83) Co-ordinate(NE) Reference: Site: WINDOM 12 Fee #2, True North
Site: WINDOM 12 Fee #2 Vertical (TVD) Reference: SITE 3804.0
Well: #2 Section (VS) Reference: Well (3.81N, -0.54E, 181.74Az)
Wellpath: LATERAL Survey Calculation Method: Minimum Curvature Db: Sybase

Field: Lea Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: bggm2006

Site: WINDOM 12 Fee #2

430' FNL 430' FEL of Section 12, T-15-S, R-37-E

Site Position: Northing: 743377.26 ft Latitude: 33 2 16.402 N
From: Map Easting: 905063.78 ft Longitude: 103 8 47.234 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 3788.00 ft Grid Convergence: 0.65 deg

Well: #2

Slot Name:

Well Position: +N/-S 3.81 ft Northing: 743381.06 ft Latitude: 33 2 16.440 N
+E/-W -0.54 ft Easting: 905063.19 ft Longitude: 103 8 47.240 W
Position Uncertainty: 0.00 ft

Wellpath: LATERAL

Current Datum: SITE Height 3804.00 ft
Magnetic Data: 10/19/2007
Field Strength: 49606 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 3.81 -0.54 181.74

Drilled From: GYRO
Tie-on Depth: 9158.26 ft
Above System Datum: Mean Sea Level
Declination: 7.92 deg
Mag Dip Angle: 61.14 deg
+E/-W Direction
ft deg

Survey: WFT SVY

Start Date: 11/12/2007

Company: Weatherford International, Inc
Tool:

Engineer: Lindsey Maddux
Tied-to: From. Definitive Path

Survey: WFT SVY

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	Tool/Comment
9158.26	0.47	276.87	9157.95	4.22	-24.19	0.31	0.00	0.00	0.00	TIE ON TOP WHIP
9210.00	19.00	191.10	9208.75	-4.09	-26.04	8.67	36.67	35.81	-165.78	
9225.00	24.50	196.00	9222.67	-9.48	-27.37	14.10	38.58	36.67	32.67	
9240.00	30.20	194.10	9235.99	-16.14	-29.15	20.81	38.44	38.00	-12.67	
9255.00	34.60	190.90	9248.65	-23.98	-30.87	28.70	31.47	29.33	-21.33	
9272.00	39.50	184.90	9262.22	-34.12	-32.25	38.87	35.79	28.82	-35.29	
9287.00	42.60	177.90	9273.54	-43.95	-32.47	48.71	36.94	20.67	-46.67	
9304.00	46.80	170.70	9285.63	-55.83	-31.26	60.55	38.67	24.71	-42.35	
9336.00	54.50	162.40	9305.92	-79.82	-25.42	84.35	31.29	24.06	-25.94	
9353.00	60.30	165.60	9315.08	-93.58	-21.48	97.98	37.62	34.12	18.82	
9367.00	65.00	170.30	9321.51	-105.74	-18.90	110.05	44.89	33.57	33.57	
9382.00	68.20	175.10	9327.47	-119.38	-17.16	123.64	36.29	21.33	32.00	
9397.00	69.40	180.00	9332.90	-133.35	-16.56	137.58	31.49	8.00	32.67	
9413.00	70.80	184.90	9338.35	-148.38	-17.21	152.62	30.09	8.75	30.62	
9429.00	72.50	184.80	9343.39	-163.51	-18.49	167.79	10.64	10.62	-0.62	
9444.00	73.90	182.80	9347.72	-177.83	-19.44	182.13	15.81	9.33	-13.33	
9460.00	75.80	181.90	9351.90	-193.26	-20.08	197.58	13.06	11.87	-5.62	
9475.00	77.70	181.20	9355.34	-207.86	-20.47	212.18	13.46	12.67	-4.67	
9492.00	79.80	180.50	9358.66	-224.53	-20.72	228.85	13.00	12.35	-4.12	
9509.00	81.90	179.80	9361.36	-241.31	-20.76	245.62	13.00	12.35	-4.12	
9524.00	84.80	179.50	9363.10	-256.21	-20.67	260.51	19.44	19.33	-2.00	
9556.00	89.80	180.40	9364.60	-288.16	-20.64	292.45	15.88	15.62	2.81	
9559.50	90.01	180.49	9364.61	-291.66	-20.67	295.95	6.53	6.00	2.57	
9587.00	91.70	181.20	9364.20	-319.16	-21.08	323.44	6.67	6.15	2.58	

SUR: A-12-15s-37e, 430/N & 430/E
BHL: P-12-15s-37e, 4929/N & 393/E
API # 30-025-38483



Weatherford International, Inc.

Survey Report

**Weatherford**

Company:	Cimarex	Date:	11/26/2007	Time:	09:55:57	Page:	2
Field:	Lea Co. NM (NAD 83)	Co-ordinate(NE) Reference:	Site: WINDOM 12 Fee #2, True North				
Site:	WINDOM 12 Fee #2	Vertical (TVD) Reference:	SITE 3804.0				
Well:	#2	Section (VS) Reference:	Well (3.81N, -0.54E, 181.74Azi)				
Wellpath:	LATERAL	Survey Calculation Method:	Minimum Curvature				Db: Sybase

Survey: WFT SVY

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	Tool/Comment
9619.00	88.80	181.80	9364.06	-351.14	-21.91	355.44	9.25	-9.06	1.87	
9651.00	87.80	181.10	9365.01	-383.12	-22.72	387.42	3.81	-3.12	-2.19	
9683.00	87.90	180.50	9366.21	-415.09	-23.17	419.39	1.90	0.31	-1.87	
9715.00	90.00	179.70	9366.80	-447.08	-23.23	451.37	7.02	6.56	-2.50	
9746.00	90.50	179.80	9366.66	-478.08	-23.09	482.36	1.64	1.61	0.32	
9778.00	90.70	180.20	9366.33	-510.08	-23.09	514.34	1.40	0.62	1.25	
9810.00	90.70	180.50	9365.94	-542.08	-23.29	546.33	0.94	0.00	0.94	
9842.00	90.40	180.20	9365.63	-574.08	-23.48	578.32	1.33	-0.94	-0.94	
9873.00	90.40	180.00	9365.41	-605.07	-23.54	609.30	0.65	0.00	-0.65	
9905.00	90.20	180.20	9365.24	-637.07	-23.59	641.29	0.88	-0.62	0.62	
9937.00	90.10	180.00	9365.16	-669.07	-23.65	673.28	0.70	-0.31	-0.62	
9969.00	90.10	180.40	9365.10	-701.07	-23.76	705.26	1.25	0.00	1.25	
10000.00	90.40	180.50	9364.97	-732.07	-24.00	736.26	1.02	0.97	0.32	
10032.00	90.70	180.90	9364.66	-764.07	-24.39	768.25	1.56	0.94	1.25	
10064.00	91.10	180.50	9364.16	-796.06	-24.78	800.24	1.77	1.25	-1.25	
10096.00	91.40	181.10	9363.46	-828.05	-25.23	832.23	2.10	0.94	1.87	
10127.00	91.40	180.90	9362.70	-859.04	-25.77	863.22	0.64	0.00	-0.65	
10159.00	89.90	180.20	9362.34	-891.03	-26.08	895.21	5.17	-4.69	-2.19	
10191.00	90.00	180.20	9362.37	-923.03	-26.19	927.19	0.31	0.31	0.00	
10223.00	90.00	180.00	9362.37	-955.03	-26.25	959.18	0.62	0.00	-0.62	
10254.00	89.90	179.70	9362.40	-986.03	-26.17	990.16	1.02	-0.32	-0.97	
10286.00	90.00	179.70	9362.42	-1018.03	-26.00	1022.14	0.31	0.31	0.00	
10318.00	90.00	179.50	9362.42	-1050.03	-25.77	1054.12	0.62	0.00	-0.62	
10350.00	89.50	179.30	9362.56	-1082.03	-25.44	1086.10	1.68	-1.56	-0.62	
10381.00	89.70	179.00	9362.78	-1113.02	-24.98	1117.06	1.16	0.65	-0.97	
10413.00	89.80	179.50	9362.92	-1145.02	-24.56	1149.03	1.59	0.31	1.56	
10445.00	89.60	179.30	9363.09	-1177.02	-24.23	1181.01	0.88	-0.62	-0.62	
10477.00	89.80	179.10	9363.25	-1209.02	-23.78	1212.97	0.88	0.62	-0.62	
10508.00	90.00	179.00	9363.31	-1240.01	-23.26	1243.94	0.72	0.65	-0.32	
10540.00	89.70	179.00	9363.39	-1272.01	-22.71	1275.90	0.94	-0.94	0.00	
10572.00	89.90	179.00	9363.50	-1304.00	-22.15	1307.87	0.62	0.62	0.00	
10603.00	89.90	179.10	9363.56	-1335.00	-21.63	1338.83	0.32	0.00	0.32	
10635.00	89.60	179.30	9363.70	-1366.99	-21.19	1370.80	1.13	-0.94	0.62	
10667.00	89.50	179.00	9363.95	-1398.99	-20.71	1402.77	0.99	-0.31	-0.94	
10699.00	90.90	178.30	9363.84	-1430.98	-19.96	1434.72	4.89	4.37	-2.19	
10730.00	92.70	179.00	9362.86	-1461.95	-19.23	1465.66	6.23	5.81	2.26	
10762.00	92.90	179.00	9361.30	-1493.91	-18.67	1497.58	0.62	0.62	0.00	
10794.00	92.80	178.60	9359.71	-1525.86	-18.00	1529.50	1.29	-0.31	-1.25	
10826.00	92.50	179.10	9358.23	-1557.82	-17.36	1561.43	1.82	-0.94	1.56	
10857.00	91.10	179.00	9357.26	-1588.80	-16.85	1592.38	4.53	-4.52	-0.32	
10889.00	91.40	178.80	9356.56	-1620.79	-16.23	1624.33	1.13	0.94	-0.62	
10921.00	91.40	179.00	9355.78	-1652.77	-15.62	1656.28	0.62	0.00	0.62	
10953.00	91.50	179.10	9354.97	-1684.76	-15.09	1688.24	0.44	0.31	0.31	
10985.00	91.60	179.10	9354.10	-1716.74	-14.58	1720.19	0.31	0.31	0.00	
11016.00	91.80	179.10	9353.18	-1747.73	-14.10	1751.14	0.65	0.65	0.00	
11048.00	91.60	179.10	9352.23	-1779.71	-13.60	1783.10	0.62	-0.62	0.00	
11080.00	91.90	178.80	9351.26	-1811.69	-13.01	1815.04	1.33	0.94	-0.94	
11111.00	91.00	179.00	9350.47	-1842.67	-12.41	1845.99	2.97	-2.90	0.65	
11143.00	91.00	179.00	9349.91	-1874.66	-11.86	1877.95	0.00	0.00	0.00	
11175.00	91.10	178.80	9349.33	-1906.65	-11.24	1909.91	0.70	0.31	-0.62	
11207.00	91.40	178.60	9348.63	-1938.63	-10.52	1941.86	1.13	0.94	-0.62	
11238.00	90.90	178.40	9348.01	-1969.62	-9.70	1972.80	1.74	-1.61	-0.65	
11270.00	91.10	178.40	9347.45	-2001.60	-8.81	2004.74	0.62	0.62	0.00	



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: Cimarex	Date: 11/26/2007	Time: 09:55:57	Page: 3
Field: Lea Co. NM (NAD 83)	Co-ordinate(NE) Reference:	Site: WINDOM 12 Fee #2, True North	
Site: WINDOM 12 Fee #2	Vertical (TVD) Reference:	SITE 3804.0	
Well: #2	Section (VS) Reference:	Well (3.81N, -0.54E, 181.74Azi)	
Wellpath: LATERAL	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: WFT SVY

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	Tool/Comment
11302.00	91.20	178.10	9346.80	-2033.58	-7.83	2036.68	0.99	0.31	-0.94	
11334.00	91.00	178.10	9346.19	-2065.55	-6.77	2068.61	0.62	-0.62	0.00	
11366.00	91.00	177.90	9345.63	-2097.53	-5.66	2100.53	0.62	0.00	-0.62	
11397.00	91.10	177.90	9345.06	-2128.50	-4.52	2131.46	0.32	0.32	0.00	
11429.00	90.00	177.90	9344.76	-2160.48	-3.35	2163.38	3.44	-3.44	0.00	
11461.00	88.70	177.40	9345.12	-2192.45	-2.04	2195.30	4.35	-4.06	-1.56	
11492.00	87.40	177.70	9346.17	-2223.40	-0.71	2226.20	4.30	-4.19	0.97	
11524.00	86.70	177.20	9347.82	-2255.33	0.71	2258.07	2.69	-2.19	-1.56	
11556.00	86.40	178.10	9349.75	-2287.24	2.02	2289.93	2.96	-0.94	2.81	
11588.00	86.30	178.30	9351.78	-2319.16	3.02	2321.80	0.70	-0.31	0.62	
11620.00	86.30	179.00	9353.85	-2351.09	3.77	2353.69	2.18	0.00	2.19	
11651.00	85.70	178.60	9356.01	-2382.01	4.42	2384.57	2.32	-1.94	-1.29	
11683.00	86.40	179.30	9358.22	-2413.92	5.01	2416.46	3.09	2.19	2.19	
11715.00	87.30	180.20	9359.97	-2445.87	5.15	2448.39	3.97	2.81	2.81	
11747.00	88.50	180.20	9361.15	-2477.85	5.03	2480.36	3.75	3.75	0.00	
11778.00	88.60	180.00	9361.93	-2508.84	4.98	2511.33	0.72	0.32	-0.65	
11810.00	88.40	180.20	9362.77	-2540.83	4.92	2543.31	0.88	-0.62	0.62	
11841.00	88.70	180.20	9363.55	-2571.82	4.82	2574.29	0.97	0.97	0.00	
11873.00	88.50	180.40	9364.34	-2603.81	4.65	2606.27	0.88	-0.62	0.62	
11905.00	88.10	180.50	9365.29	-2635.80	4.40	2638.25	1.29	-1.25	0.31	
11937.00	87.80	180.20	9366.43	-2667.77	4.20	2670.22	1.33	-0.94	-0.94	
11968.00	87.80	179.80	9367.62	-2698.75	4.20	2701.18	1.29	0.00	-1.29	
12000.00	88.30	179.80	9368.71	-2730.73	4.31	2733.14	1.56	1.56	0.00	
12032.00	88.70	179.80	9369.55	-2762.72	4.43	2765.11	1.25	1.25	0.00	
12064.00	88.80	179.70	9370.24	-2794.71	4.57	2797.09	0.44	0.31	-0.31	
12095.00	87.90	179.30	9371.14	-2825.70	4.84	2828.05	3.18	-2.90	-1.29	
12127.00	87.70	178.80	9372.37	-2857.67	5.37	2859.99	1.68	-0.62	-1.56	
12159.00	88.20	178.30	9373.51	-2889.64	6.18	2891.92	2.21	1.56	-1.56	
12191.00	89.20	179.00	9374.24	-2921.62	6.93	2923.87	3.81	3.12	2.19	
12222.00	89.50	178.60	9374.59	-2952.61	7.58	2954.82	1.61	0.97	-1.29	
12254.00	89.60	178.10	9374.84	-2984.60	8.50	2986.77	1.59	0.31	-1.56	
12286.00	89.90	178.10	9374.98	-3016.58	9.56	3018.70	0.94	0.94	0.00	
12318.00	90.20	177.70	9374.95	-3048.56	10.73	3050.63	1.56	0.94	-1.25	
12349.00	90.40	177.60	9374.79	-3079.53	12.00	3081.55	0.72	0.65	-0.32	
12381.00	90.60	177.90	9374.51	-3111.51	13.26	3113.47	1.13	0.62	0.94	
12413.00	90.60	178.10	9374.17	-3143.49	14.38	3145.40	0.62	0.00	0.62	
12444.00	90.70	177.90	9373.82	-3174.47	15.46	3176.33	0.72	0.32	-0.65	
12476.00	90.80	177.90	9373.40	-3206.44	16.63	3208.26	0.31	0.31	0.00	
12508.00	90.80	178.10	9372.96	-3238.42	17.75	3240.19	0.62	0.00	0.62	
12540.00	90.70	178.60	9372.54	-3270.40	18.67	3272.13	1.59	-0.31	1.56	
12571.00	90.70	178.30	9372.16	-3301.39	19.51	3303.08	0.97	0.00	-0.97	
12603.00	90.80	178.60	9371.74	-3333.37	20.37	3335.02	0.99	0.31	0.94	
12635.00	91.10	178.10	9371.21	-3365.36	21.29	3366.96	1.82	0.94	-1.56	
12666.00	91.30	178.10	9370.56	-3396.33	22.32	3397.89	0.65	0.65	0.00	
12698.00	90.70	178.80	9370.00	-3428.32	23.19	3429.83	2.88	-1.87	2.19	
12730.00	89.60	178.80	9369.92	-3460.31	23.86	3461.79	3.44	-3.44	0.00	
12761.00	89.60	178.80	9370.13	-3491.30	24.51	3492.75	0.00	0.00	0.00	
12793.00	89.60	178.80	9370.36	-3523.29	25.18	3524.71	0.00	0.00	0.00	
12825.00	89.60	178.40	9370.58	-3555.28	25.96	3556.66	1.25	0.00	-1.25	
12856.00	89.00	178.40	9370.96	-3586.27	26.82	3587.60	1.94	-1.94	0.00	
12888.00	87.80	178.60	9371.85	-3618.24	27.66	3619.54	3.80	-3.75	0.62	
12920.00	87.80	178.80	9373.08	-3650.21	28.39	3651.47	0.62	0.00	0.62	
12952.00	87.80	178.80	9374.31	-3682.18	29.06	3683.40	0.00	0.00	0.00	



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: Cimarex	Date: 11/26/2007	Time: 09:55:57	Page: 4
Field: Lea Co. NM (NAD 83)	Co-ordinate(NE) Reference:	Site: WINDOM 12 Fee #2, True North	
Site: WINDOM 12 Fee #2	Vertical (TVD) Reference:	SITE 3804 0	
Well: #2	Section (VS) Reference:	Well (3.81N;-0.54E;181.74Az)	
Wellpath: LATERAL	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: WFT SVY

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	Tool/Comment
12983.00	87.90	178.80	9375.47	-3713.15	29.71	3714.34	0.32	0.32	0.00	
13015.00	88.00	178.80	9376.62	-3745.13	30.38	3746.28	0.31	0.31	0.00	
13047.00	88.30	178.60	9377.65	-3777.10	31.10	3778.22	1.13	0.94	-0.62	
13079.00	88.60	178.30	9378.52	-3809.08	31.97	3810.15	1.33	0.94	-0.94	
13110.00	88.50	178.60	9379.30	-3840.06	32.80	3841.09	1.02	-0.32	0.97	
13142.00	88.30	178.80	9380.19	-3872.03	33.53	3873.03	0.88	-0.62	0.62	
13174.00	88.40	178.40	9381.12	-3904.01	34.31	3904.97	1.29	0.31	-1.25	
13205.00	88.40	178.40	9381.98	-3934.99	35.18	3935.91	0.00	0.00	0.00	
13237.00	88.40	178.30	9382.88	-3966.96	36.10	3967.84	0.31	0.00	-0.31	
13269.00	88.40	178.60	9383.77	-3998.94	36.96	3999.78	0.94	0.00	0.94	
13300.00	88.60	178.40	9384.58	-4029.92	37.77	4030.72	0.91	0.65	-0.65	
13334.00	88.70	178.80	9385.38	-4063.90	38.61	4064.66	1.21	0.29	1.18	
13365.00	89.00	179.10	9386.00	-4094.89	39.17	4095.61	1.37	0.97	0.97	
13397.00	89.80	179.30	9386.34	-4126.88	39.62	4127.58	2.58	2.50	0.62	
13428.00	90.00	179.10	9386.39	-4157.88	40.05	4158.55	0.91	0.65	-0.65	
13460.00	89.90	179.50	9386.42	-4189.87	40.44	4190.52	1.29	-0.31	1.25	
13491.00	89.90	179.10	9386.47	-4220.87	40.82	4221.49	1.29	0.00	-1.29	
13522.00	90.00	179.70	9386.50	-4251.87	41.15	4252.47	1.96	0.32	1.94	
13554.00	90.00	179.70	9386.50	-4283.87	41.31	4284.45	0.00	0.00	0.00	
13584.00	88.50	179.10	9386.89	-4313.86	41.63	4314.42	5.39	-5.00	-2.00	
13615.00	86.10	180.20	9388.35	-4344.83	41.82	4345.36	8.51	-7.74	3.55	
13646.00	86.70	181.80	9390.30	-4375.76	41.28	4376.29	5.50	1.94	5.16	
13678.00	86.30	182.80	9392.25	-4407.67	40.00	4408.23	3.36	-1.25	3.12	
13709.00	84.70	181.60	9394.69	-4438.55	38.81	4439.13	6.44	-5.16	-3.87	
13734.00	83.90	181.60	9397.17	-4463.42	38.12	4464.01	3.20	-3.20	0.00	LAST SVY @ 13734' MD
13770.00	83.90	181.60	9401.00	-4499.20	37.12	4499.81	0.00	0.00	0.00	PROJ TO BIT

Annotation

MD ft	TVD ft	
9158.26	9157.95	TIE ON TOP WHIP
13734.00	9397.17	LAST SVY @ 13734' MD
13770.00	9401.00	PROJ TO BIT