

Results of Directional Survey

API number:	30-025-38513		
OGRID:		Operator:	CINAREX ENERGY CO OF COLORADO
		Property:	HARVARD 6 FEE # 2

surface	ULSTR:	D	06	T	15S	R	38E
			730	FNL	430	FWL	

BH Loc	ULSTR:	E	06	T	15S	R	38E
			2595	FNL	439	FWL	

	MD	N/S	E/W	VD
	9100	-19.87	-17.06	9099.41
TOP PERFS/OH	9159	-19.84	-17.10	9158.41
	9159	-19.84	-17.10	9158.41
	11056	-1798.28	6.78	9360.52
BOT PERFS/OH	11123	-1865.24	9.29	9361.34
	11087	-1829.26	7.94	9360.90

NEXT TO LAST	11056	-1798.28	6.78	9360.52
LAST READING	11087	-1829.26	7.94	9360.90
TD	11123	-1865.24	9.29	9361.34

Surface Location	730	FN	430	FW
Projected BHL	2595	FN	439	FW
Location of				
Top Perfs/OH	750	FN	413	FW
Bottom Perfs/OH	2595	FN	439	FW

SUMMARY of Subsurface Locations

Surface Location	D-06-15S-38E	730	FN	430	FW	Vert. Depth
Top Perfs/OH	D-06-15S-38E	750	FN	413	FW	9158.41
Bottom Perfs/OH	E-06-15S-38E	2595	FN	439	FW	9361.34
Projected TD	E-06-15S-38E	2595	FN	439	FW	9361.34

Harvard 6 Fee 2 SVY.las

~Version

VERS. 3.0 : LOG ASCII STANDARD - VERSION 3.0
 WRAP. NO : WRAP MODE
 DLM. TAB : DELIMITING CHARACTER (TAB, COMMA, OR SPACE)

~Well

STRT .ft 9151.00 : First Index Value
 STOP .ft 9302.00 : Last Index Value
 STEP .ft 0.00 : STEP
 NULL . -999.25 : NULL VALUE
 COMP . Cimarex : Company
 WELL . Harvard 6 Fee 2H: Well
 FLD . Lea Co : Field
 LOC . Lea County, NM : Location
 SRVC . Weatherford: Service Company
 CTRY . United States : Country
 DATE . 12/15/2007 : Service Date
 GDAT . TRUE : Geodetic Datum
 STAT . New Mexico : State
 CNTY . Lea : County

~Curve

MD
 INC
 AZ
 TVD
 NS
 EW
 VS
 DLS

SUR: D-6-15s-38e, 730/N & 430/W
 BHL: E-6-15s-38e, 2595/N & 4399/W
 API # 30-025-38513

#VSP = 359.15

#Depth Inc

~Ascii

	Azm	TVD	NS	EW	VS	DLS	
9100.00	0.97	356.47	9099.42	-19.88	-17.05	19.70	0.07
9159.00	0.91	181.00	9158.41	-19.85	-17.09	19.67	3.18
9192.00	8.31	192.75	9191.28	-22.44	-17.62	22.25	22.50
9208.00	12.52	185.09	9207.02	-25.30	-18.03	25.11	27.60
9224.00	17.58	182.39	9222.46	-29.44	-18.28	29.25	31.94
9239.00	22.86	183.25	9236.53	-34.62	-18.54	34.42	35.28
9255.00	28.69	184.40	9250.93	-41.55	-19.02	41.35	36.54
9271.00	34.27	181.32	9264.58	-49.89	-19.41	49.69	36.27
9287.00	39.35	178.82	9277.38	-59.48	-19.41	59.27	33.14
9302.00	43.46	178.91	9288.63	-69.39	-19.22	69.19	27.36
9318.00	47.19	178.88	9299.88	-80.77	-19.00	80.56	23.35
9334.00	50.88	178.82	9310.37	-92.84	-18.76	92.64	23.02
9350.00	53.83	179.76	9320.14	-105.51	-18.60	105.31	19.03
9365.00	56.11	181.70	9328.75	-117.79	-18.76	117.59	18.52
9381.00	58.92	180.92	9337.34	-131.28	-19.07	131.07	18.02
9397.00	62.09	177.04	9345.22	-145.20	-18.81	144.99	28.95
9413.00	66.12	174.89	9352.21	-159.55	-17.80	159.36	27.92
9426.00	69.25	174.35	9357.14	-171.52	-16.67	171.34	24.41
9442.00	74.46	173.40	9362.13	-186.63	-15.04	186.47	33.04
9457.00	78.94	174.09	9365.57	-201.14	-13.45	200.99	30.23
9473.00	80.93	174.65	9368.37	-216.82	-11.91	216.68	12.88
9488.00	82.38	174.36	9370.55	-231.59	-10.49	231.47	9.84
9519.00	84.55	175.59	9374.08	-262.27	-7.79	262.17	8.04
9550.00	85.70	176.30	9376.71	-293.08	-5.61	293.00	4.38
9581.00	88.02	177.16	9378.41	-323.98	-3.84	323.92	7.96
9610.00	89.60	177.71	9379.01	-352.94	-2.55	352.90	5.76
9642.00	90.31	178.27	9379.04	-384.92	-1.42	384.89	2.83
9673.00	90.70	177.28	9378.77	-415.90	-0.22	415.87	3.44
9705.00	89.75	177.05	9378.64	-447.86	1.37	447.85	3.06
9737.00	90.37	178.62	9378.60	-479.83	2.57	479.84	5.28
9768.00	90.43	180.16	9378.39	-510.83	2.90	510.83	4.96
9800.00	90.86	177.75	9378.02	-542.82	3.49	542.83	7.66

Harvard 6 Fee 2 SVY.1as							
9832.00	91.04	178.60	9377.49	-574.80	4.51	574.82	2.71
9863.00	90.68	177.91	9377.03	-605.78	5.45	605.81	2.50
9895.00	90.61	177.85	9376.67	-637.76	6.63	637.79	0.28
9926.00	90.22	180.10	9376.44	-668.75	7.19	668.79	7.38
9957.00	90.53	179.49	9376.24	-699.75	7.30	699.79	2.20
9989.00	90.77	177.93	9375.88	-731.74	8.02	731.78	4.94
10020.00	90.46	178.82	9375.55	-762.72	8.89	762.78	3.02
10051.00	90.61	177.98	9375.26	-793.71	9.76	793.77	2.74
10083.00	90.61	177.97	9374.92	-825.69	10.89	825.76	0.04
10114.00	91.30	178.72	9374.40	-856.67	11.78	856.75	3.27
10146.00	92.39	178.96	9373.37	-888.65	12.43	888.73	3.48
10176.00	92.79	179.09	9372.01	-918.61	12.94	918.70	1.40
10208.00	92.19	180.19	9370.62	-950.58	13.14	950.67	3.90
10240.00	91.14	179.88	9369.70	-982.57	13.12	982.65	3.44
10271.00	90.59	180.21	9369.23	-1013.56	13.10	1013.64	2.06
10303.00	90.53	179.85	9368.92	-1045.56	13.08	1045.64	1.15
10334.00	91.57	180.49	9368.35	-1076.56	12.99	1076.63	3.95
10365.00	92.27	181.64	9367.31	-1107.53	12.42	1107.60	4.35
10397.00	92.75	180.16	9365.91	-1139.50	11.92	1139.56	4.88
10428.00	92.93	179.52	9364.38	-1170.46	12.01	1170.52	2.12
10459.00	90.92	179.48	9363.33	-1201.44	12.28	1201.50	6.48
10490.00	90.46	180.69	9362.96	-1232.43	12.23	1232.49	4.19
10522.00	89.82	180.29	9362.88	-1264.43	11.96	1264.49	2.36
10552.00	89.41	180.43	9363.08	-1294.43	11.77	1294.48	1.43
10584.00	90.09	181.06	9363.22	-1326.43	11.35	1326.47	2.89
10615.00	90.64	180.43	9363.02	-1357.42	10.95	1357.47	2.69
10647.00	91.17	180.10	9362.52	-1389.42	10.80	1389.46	1.94
10678.00	91.33	180.67	9361.84	-1420.41	10.59	1420.45	1.92
10710.00	90.68	181.87	9361.28	-1452.40	9.89	1452.42	4.26
10742.00	90.24	181.26	9361.02	-1484.39	9.01	1484.40	2.33
10774.00	89.75	181.38	9361.02	-1516.38	8.27	1516.38	1.58
10805.00	89.88	181.61	9361.12	-1547.37	7.46	1547.36	0.83
10836.00	90.65	182.20	9360.98	-1578.35	6.43	1578.33	3.13
10868.00	91.40	181.21	9360.41	-1610.33	5.48	1610.30	3.87
10899.00	91.12	181.23	9359.73	-1641.31	4.82	1641.27	0.91
10930.00	89.97	179.72	9359.44	-1672.31	4.56	1672.27	6.12
10961.00	89.10	178.80	9359.69	-1703.31	4.96	1703.26	4.08
10993.00	89.79	179.07	9360.00	-1735.30	5.56	1735.26	2.31
11025.00	89.51	179.47	9360.20	-1767.30	5.97	1767.26	1.52
11056.00	89.32	177.54	9360.52	-1798.28	6.78	1798.25	6.26
11087.00	89.26	178.16	9360.90	-1829.26	7.94	1829.24	2.02