

UNITED STATES **OCD-ARTESIA**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0135
Expires July 31, 1996



REVISED

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No NM-097874
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 140907; Irving, TX 75014-0907		7. If Unit or CA/Agreement, Name and/or No Pending
3b. Phone No (include area code) 972-401-3111		8. Well Name and No. Bear Bryant 31 Federal No. 1
4. Location of Well (Footage, Sec, T, R, M., or Survey Description) K-31-16S-29E 1850' FSL & 990' FWL		9. API Well No 30-015-34906
		10. Field and Pool, or Exploratory Area Pavo Mesa; Abo
		11. County or Parish, State Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete Horizontal	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Bear Bryant 31 Federal No. 1 is currently marginally producing from the Pavo Mesa; Abo zone with perfs @ 7030'-7096.' Cimarex proposes to re-enter, set a CIBP @ 6980' w/ 35' cmt to plug back for whipstock assembly, mill out of the 7" casing @ 6879,' and drill a 6-1/4" hole horizontally to a MD of 10500' using 8.5 - 9.0 ppg Brine.

We will lay a 4-1/2" liner (top of liner @ 6780' and bottom of liner @ 10500'). Cement in place with 375 sx Super H + 1# Salt + 0.5% LAP-1 + 0.4% CFR-3 + 0.25# D-AIR 3000 + 0.35% HR-7 + 5# Gilsonite + 1/4# Flocece Mixed at 13.2 #/gal with a 1.61 ft.3/sx yield. TOC @ 6780' (top of liner).

*Contact BLM 2hrs
prior to plug back.*

A 5M BOP system will be used during horizontal operations.

Please see attached C-102, preliminary directional survey, and BOP diagram.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Zeno Farris
Signature

Zeno Farris

Title

Manager Operations Administration

Date

July 13, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	APPROVED JUL 19 2007 WESLEY W. INGRAM PETROLEUM ENGINEER
Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34906	Pool Code	Pool Name Pavo Mesa; Abo
Property Code	Property Name BEAR BRYANT "31" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3694'

Surface Location

UL or lot No. K	Section 31	Township 16 S	Range 29 E	Lot Idn	Feet from the 1850	North/South line SOUTH	Feet from the 990	East/West line WEST	County EDDY
--------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	----------------------	------------------------	----------------

Bottom Hole Location If Different From Surface

UL or lot No. I	Section 31	Township 16 S	Range 29E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 330	East/West line EAST	County EDDY
Dedicated Acres 120	Joint or Infill	Consolidation Code	Order No. NSL-5584						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1 25.63 AC.				
LOT 2 25.60 AC.				
LOT 3 25.58 AC.	3687.7'	3692.7'	NM-97874	
	990'	SHL	3484'	BHL 330'
	3692.4'	3688.9'	Lat - N32°52'33.6"	Long - W104°07'05.0"
LOT 4 25.55 AC.	1850'			1980'
855'				

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Zeno Farris
Signature

Zeno Farris
Printed Name

Mgr Operations Admin
Title

07-12-07
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

GARY L. JONES
Date Surveyed

GARY L. JONES
Signature & Seal of Professional Surveyor 7977

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

SR & A

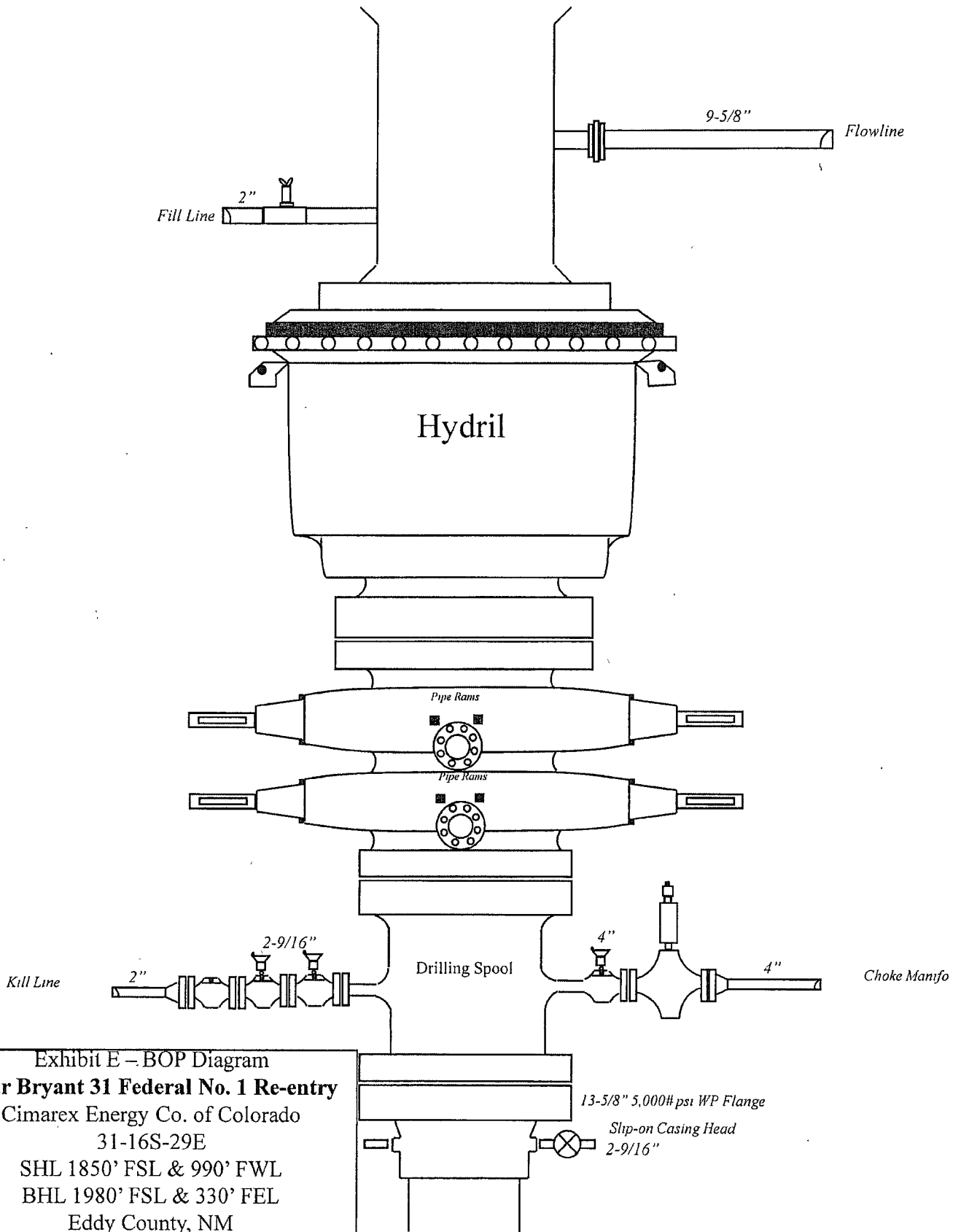


Exhibit E - BOP Diagram
Bear Bryant 31 Federal No. 1 Re-entry
 Cimarex Energy Co. of Colorado
 31-16S-29E
 SHL 1850' FSL & 990' FWL
 BHL 1980' FSL & 330' FEL
 Eddy County, NM

DRILLING OPERATIONS
CHOKE MANIFOLD
SM SERVICE

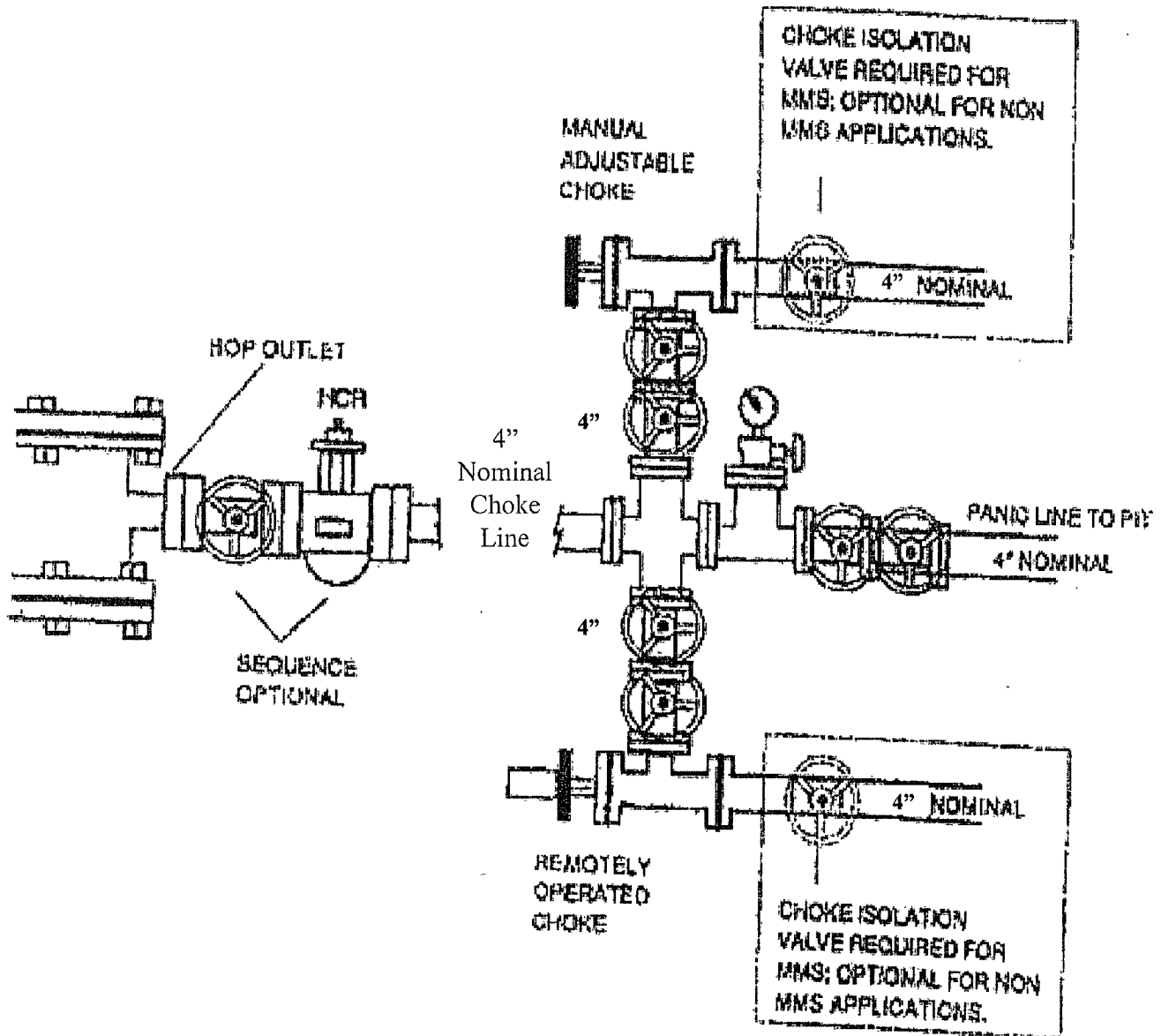


Exhibit E1 – Choke Manifold
Bear Bryant 31 Federal No. 1 Re-entry
 Cimarex Energy Co. of Colorado
 31-16S-29E
 SHL 1850' FSL & 990' FWL
 BHL 1980' FSL & 330' FEL
 Eddy County, NM



Cimarex Energy Co., Inc.

Eddy Co., New Mexico

Bear Bryant 31 Federal #1H

Bear Bryant 31 Federal #1H

Lateral #1

Plan: Plan #1

Standard Survey Report

03 July, 2007





Black Viper Energy Survey Report



Company:	Cimarex Energy Co., Inc.	Local Co-ordinate Reference:	Well Bear Bryant 31 Federal #1H
Project:	Eddy Co., New Mexico	TVD Reference:	WELL @ 0 00ft (Original Well Elev)
Site:	Bear Bryant 31 Federal #1H	MD Reference:	WELL @ 0 00ft (Original Well Elev)
Well:	Bear Bryant 31 Federal #1H	North Reference:	True
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003 14 10 Server DB

Project:	Eddy Co., New Mexico		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	Texas North Central Zone		

Site						Bear Bryant 31 Federal #1H					
Site Position:		Northing:		6,918,866 74 ft		Latitude:		32° 31' 24 096			
From:		Lat/Long		Easting:		252,387 12 ft		Longitude:		104° 4' 13 800	
Position Uncertainty:		0 00 ft		Slot Radius:		"		Grid Convergence:		-3 04 °	

Well	Bear Bryant 31 Federal #1H					
Well Position	+N/-S	0 00 ft	Northing:	6,918,866 74 ft	Latitude:	32° 31' 24 096
	+E/-W	0 00 ft	Easting:	252,387 12 ft	Longitude:	104° 4' 13 800
Position Uncertainty		0 00 ft	Wellhead Elevation:	ft	Ground Level:	0 00 ft

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/3/2007	8 30	60 48	49,156

Design:	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE		Tie On Depth: 6,879 00
Vertical Section	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0 00	0 00	0 00	88.13

Survey Tool Program		Date 7/3/2007		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
6,879 00	10,974 27	Plan #1 (Lateral #1)	MWD	MWD - Standard

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,879 01	0.00	0.00	6,879 01	0 00	0.00	0 00	0 00	0.00	0 00
6,890 00	3.30	88 13	6,889 99	0.01	0.32	0 32	30 00	30.00	0.00
6,900 00	6.30	88 13	6,899 96	0.04	1.15	1 15	30 00	30 00	0.00
6,910 00	9 30	88 13	6,909 86	0 08	2.51	2 51	30 00	30 00	0.00
6,920 00	12.30	88 13	6,919 69	0.14	4.38	4 38	30 00	30 00	0.00
6,930 00	15 30	88 13	6,929 40	0.22	6 76	6 77	30 00	30.00	0 00
6,940 00	18 30	88 13	6,938 97	0.31	9.65	9 65	30 00	30 00	0 00
6,950 00	21 30	88 13	6,948 38	0.43	13 03	13 04	30 00	30 00	0 00
6,960 00	24 30	88 13	6,957 59	0.55	16 91	16 92	30 00	30 00	0.00
6,970 00	27 30	88 13	6,966 60	0 69	21 25	21 27	30.00	30 00	0.00
6,980 00	30.30	88.13	6,975 36	0 85	26 07	26 08	30 00	30.00	0 00
6,990 00	33.30	88.13	6,983 86	1.02	31 33	31.35	30 00	30 00	0 00
7,000 00	36 30	88.13	6,992.07	1.21	37 04	37 06	30 00	30 00	0 00



Black Viper Energy Survey Report



Company:	Cimarex Energy Co, Inc	Local Co-ordinate Reference:	Well Bear Bryant 31 Federal #1H
Project:	Eddy Co, New Mexico	TVD Reference:	WELL @ 0 00ft (Original Well Elev)
Site:	Bear Bryant 31 Federal #1H	MD Reference:	WELL @ 0 00ft (Original Well Elev)
Well:	Bear Bryant 31 Federal #1H	North Reference:	True
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.14 1 0 Server DB

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,010 00	39 30	88 13	6,999 97	1 41	43.16	43 18	30.00	30 00	0 00
7,020 00	42.30	88 13	7,007 54	1.62	49 69	49 72	30 00	30 00	0 00
7,030 00	45 30	88 13	7,014 76	1 85	56.61	56 64	30 00	30 00	0 00
7,040 00	48.30	88 13	7,021 60	2 08	63 89	63 93	30.00	30 00	0 00
7,050 00	51.30	88 13	7,028 06	2 33	71 52	71 56	30 00	30 00	0 00
7,053.14	52 24	88 13	7,030 00	2 41	73 99	74 03	30.00	30 00	0 00
Lower Abo Dolomite									
7,060 00	54 30	88 13	7,034 10	2 59	79 48	79 53	30 00	30.00	0 00
7,070 00	57 30	88 13	7,039 72	2 86	87.75	87 80	30 00	30 00	0 00
7,080 00	60 30	88 13	7,044 90	3 14	96 30	96 35	30 00	30 00	0 00
7,090 00	63 30	88 13	7,049 63	3 43	105 10	105 16	30.00	30 00	0 00
7,100 00	66 30	88 13	7,053 89	3.72	114 15	114.21	30.00	30 00	0 00
7,110 00	69 30	88.13	7,057 67	4 03	123 40	123 46	30 00	30 00	0 00
7,120 00	72.30	88 13	7,060 95	4 33	132 84	132.91	30.00	30 00	0 00
7,130 00	75 30	88.13	7,063 74	4 65	142 43	142 51	30 00	30 00	0 00
7,140 00	78 30	88 13	7,066 03	4 96	152 16	152 24	30 00	30 00	0 00
7,150 00	81 30	88 13	7,067 80	5 29	162 00	162 08	30 00	30 00	0 00
7,160 00	84 30	88 13	7,069 05	5 61	171 91	172 00	30 00	30 00	0 00
7,170 00	87 30	88 13	7,069 79	5 93	181 88	181.98	30.00	30.00	0 00
7,179 01	90 00	88.13	7,070 00	6.23	190 88	190.99	30 00	30.00	0 00
7,200 00	90 00	88 13	7,070 00	6 91	211.86	211 97	0 00	0.00	0 00
7,300 00	90 00	88 13	7,070 00	10 17	311 81	311 97	0 00	0 00	0 00
7,400 00	90 00	88 13	7,070.00	13 44	411 75	411 97	0 00	0.00	0 00
7,500 00	90 00	88 13	7,070 00	16 70	511 70	511 97	0 00	0.00	0 00
7,600 00	90 00	88.13	7,070 00	19.96	611 65	611.97	0 00	0.00	0 00
7,700 00	90 00	88 13	7,070 00	23 22	711 59	711 97	0 00	0 00	0 00
7,800 00	90 00	88.13	7,070 00	26 48	811 54	811.97	0 00	0.00	0 00
7,900 00	90 00	88 13	7,070 00	29 74	911 49	911.97	0 00	0.00	0 00
8,000 00	90.00	88 13	7,070 00	33.00	1,011.43	1,011 97	0 00	0.00	0 00
8,100 00	90 00	88 13	7,070 00	36 26	1,111 38	1,111 97	0 00	0.00	0 00
8,200 00	90 00	88 13	7,070 00	39.53	1,211 33	1,211 97	0 00	0.00	0 00
8,300 00	90.00	88 13	7,070 00	42.79	1,311 27	1,311 97	0 00	0.00	0 00
8,400 00	90 00	88 13	7,070 00	46 05	1,411 22	1,411 97	0 00	0.00	0 00
8,500 00	90 00	88 13	7,070 00	49.31	1,511 17	1,511.97	0 00	0.00	0 00
8,600 00	90 00	88 13	7,070 00	52 57	1,611 11	1,611 97	0 00	0 00	0 00
8,700 00	90 00	88.13	7,070 00	55 83	1,711 06	1,711 97	0 00	0 00	0 00
8,800 00	90.00	88 13	7,070 00	59 09	1,811 01	1,811 97	0 00	0 00	0 00
8,900 00	90.00	88 13	7,070 00	62 35	1,910.96	1,911 97	0 00	0 00	0 00
9,000 00	90.00	88 13	7,070 00	65 61	2,010 90	2,011 97	0 00	0.00	0 00
9,100 00	90 00	88.13	7,070 00	68 88	2,110 85	2,111 97	0 00	0 00	0 00
9,200 00	90 00	88 13	7,070 00	72 14	2,210 80	2,211 97	0 00	0 00	0 00
9,300 00	90 00	88 13	7,070 00	75 40	2,310 74	2,311 97	0 00	0.00	0 00
9,400 00	90 00	88.13	7,070 00	78 66	2,410 69	2,411 97	0 00	0.00	0 00
9,500 00	90 00	88 13	7,070 00	81 92	2,510.64	2,511 97	0 00	0 00	0 00
9,600 00	90 00	88 13	7,070 00	85 18	2,610 58	2,611.97	0 00	0 00	0 00
9,700 00	90 00	88.13	7,070 00	88 44	2,710 53	2,711 97	0 00	0 00	0 00
9,800 00	90 00	88 13	7,070 00	91 70	2,810 48	2,811 97	0 00	0 00	0 00
9,900 00	90.00	88 13	7,070 00	94 97	2,910 42	2,911 97	0 00	0 00	0 00
10,000 00	90 00	88 13	7,070 00	98.23	3,010 37	3,011 97	0 00	0 00	0 00
10,100 00	90 00	88 13	7,070 00	101 49	3,110 32	3,111 97	0 00	0 00	0 00
10,200 00	90 00	88 13	7,070 00	104 75	3,210 26	3,211 97	0 00	0 00	0 00
10,300 00	90 00	88 13	7,070 00	108 01	3,310 21	3,311 97	0 00	0 00	0 00
10,400 00	90 00	88 13	7,070 00	111.27	3,410 16	3,411 97	0 00	0.00	0 00
10,500 00	90 00	88 13	7,070 00	114 53	3,510 10	3,511 97	0 00	0 00	0 00



Black Viper Energy
Survey Report



Company: Cimarex Energy Co., Inc
Project: Eddy Co., New Mexico
Site: Bear Bryant 31 Federal #1H
Well: Bear Bryant 31 Federal #1H
Wellbore: Lateral #1
Design: Plan #1
Local Co-ordinate Reference: Well Bear Bryant 31 Federal #1H
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 14.1.0 Server DB

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,600.00	90.00	88.13	7,070.00	117.79	3,610.05	3,611.97	0.00	0.00	0.00
10,700.00	90.00	88.13	7,070.00	121.06	3,710.00	3,711.97	0.00	0.00	0.00
10,800.00	90.00	88.13	7,070.00	124.32	3,809.94	3,811.97	0.00	0.00	0.00
10,900.00	90.00	88.13	7,070.00	127.58	3,909.89	3,911.97	0.00	0.00	0.00
10,974.27	90.00	88.13	7,070.00	130.00	3,984.12	3,986.24	0.00	0.00	0.00

PSHL#1[BB31Fed#1H]

Targets

Target Name	hit/miss	target Shape	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PSHL#1[BB31Fed#1H]			0.00	0.00	7,070.00	130.00	3,984.12	6,918,785.39	256,372.53	32° 31' 25.380 N	104° 3' 27.265 W
- plan target											
- Point											

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	6,052.00	Abo Shale	Shale	0.00	0.00
7,053.14	7,030.00	Lower Abo Dolomite	Dolomite	0.00	0.00

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	Comment
		+N-S (ft)	+E-W (ft)
6,879.01	6,879.01	0.00	0.00
7,179.01	7,070.00	190.34	-15.71
KOP - Build 30.0° / 100			
EOC - Hold 90.0° Inc : 88.13° Azi			

Checked By: _____ Approved By: _____ Date: _____

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt
 Cimarex Energy Co., Inc.
 Bear Bryant 31 Federal #1H - Plan #1

Eddy Co., New Mexico
 Bear Bryant 31 Federal #1H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6880.00	0.296	88.131	6880.00	0.00 N	0.00 E	0.00
0.00						
6890.00	3.296	88.131	6889.99	0.01 N	0.32 E	0.32
30.00						
6900.00	6.296	88.131	6899.96	0.04 N	1.15 E	1.15
30.00						
6910.00	9.296	88.131	6909.86	0.08 N	2.51 E	2.51
30.00						
6920.00	12.296	88.131	6919.69	0.14 N	4.38 E	4.38
30.00						
6930.00	15.296	88.131	6929.40	0.22 N	6.76 E	6.77
30.00						
6940.00	18.296	88.131	6938.97	0.31 N	9.65 E	9.65
30.00						
6950.00	21.296	88.131	6948.38	0.43 N	13.03 E	13.04
30.00						
6960.00	24.296	88.131	6957.59	0.55 N	16.91 E	16.92
30.00						
6970.00	27.296	88.131	6966.60	0.69 N	21.25 E	21.27
30.00						
6980.00	30.296	88.131	6975.36	0.85 N	26.07 E	26.08
30.00						
6990.00	33.296	88.131	6983.86	1.02 N	31.33 E	31.35
30.00						
7000.00	36.296	88.131	6992.07	1.21 N	37.04 E	37.06
30.00						
7010.00	39.296	88.131	6999.97	1.41 N	43.16 E	43.18
30.00						
7020.00	42.296	88.131	7007.54	1.62 N	49.69 E	49.72
30.00						
7030.00	45.296	88.131	7014.76	1.85 N	56.61 E	56.64
30.00						
7040.00	48.296	88.131	7021.60	2.08 N	63.89 E	63.93
30.00						
7050.00	51.296	88.131	7028.06	2.33 N	71.52 E	71.56
30.00						
7060.00	54.296	88.131	7034.10	2.59 N	79.48 E	79.53
30.00						
7070.00	57.296	88.131	7039.72	2.86 N	87.75 E	87.80
30.00						
7080.00	60.296	88.131	7044.90	3.14 N	96.30 E	96.35
30.00						
7090.00	63.296	88.131	7049.63	3.43 N	105.10 E	105.16
30.00						
7100.00	66.296	88.131	7053.89	3.72 N	114.15 E	114.21
30.00						
7110.00	69.296	88.131	7057.67	4.03 N	123.40 E	123.46
30.00						
7120.00	72.296	88.131	7060.95	4.33 N	132.84 E	132.91
30.00						

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

7130.00	75.296	88.131	7063.74	4.65 N	142.43 E	142.51
30.00						
7140.00	78.296	88.131	7066.03	4.96 N	152.16 E	152.24
30.00						
7150.00	81.296	88.131	7067.80	5.29 N	162.00 E	162.08
30.00						
7160.00	84.296	88.131	7069.05	5.61 N	171.91 E	172.00
30.00						
7170.00	87.296	88.131	7069.79	5.93 N	181.88 E	181.98
30.00						
7180.00	90.000	88.131	7070.00	6.26 N	191.87 E	191.97
27.04						
7190.00	90.000	88.131	7070.00	6.59 N	201.86 E	201.97
0.00						
7200.00	90.000	88.131	7070.00	6.91 N	211.86 E	211.97
0.00						
7210.00	90.000	88.131	7070.00	7.24 N	221.85 E	221.97
0.00						
7220.00	90.000	88.131	7070.00	7.57 N	231.85 E	231.97
0.00						
7230.00	90.000	88.131	7070.00	7.89 N	241.84 E	241.97
0.00						
7240.00	90.000	88.131	7070.00	8.22 N	251.84 E	251.97
0.00						
7250.00	90.000	88.131	7070.00	8.54 N	261.83 E	261.97
0.00						
7260.00	90.000	88.131	7070.00	8.87 N	271.83 E	271.97
0.00						
7270.00	90.000	88.131	7070.00	9.20 N	281.82 E	281.97
0.00						
7280.00	90.000	88.131	7070.00	9.52 N	291.82 E	291.97
0.00						
7290.00	90.000	88.131	7070.00	9.85 N	301.81 E	301.97
0.00						
7300.00	90.000	88.131	7070.00	10.17 N	311.81 E	311.97
0.00						
7310.00	90.000	88.131	7070.00	10.50 N	321.80 E	321.97
0.00						
7320.00	90.000	88.131	7070.00	10.83 N	331.80 E	331.97
0.00						
7330.00	90.000	88.131	7070.00	11.15 N	341.79 E	341.97
0.00						
7340.00	90.000	88.131	7070.00	11.48 N	351.78 E	351.97
0.00						
7350.00	90.000	88.131	7070.00	11.80 N	361.78 E	361.97
0.00						
7360.00	90.000	88.131	7070.00	12.13 N	371.77 E	371.97
0.00						
7370.00	90.000	88.131	7070.00	12.46 N	381.77 E	381.97
0.00						
7380.00	90.000	88.131	7070.00	12.78 N	391.76 E	391.97
0.00						
7390.00	90.000	88.131	7070.00	13.11 N	401.76 E	401.97
0.00						
7400.00	90.000	88.131	7070.00	13.44 N	411.75 E	411.97
0.00						
7410.00	90.000	88.131	7070.00	13.76 N	421.75 E	421.97
0.00						
7420.00	90.000	88.131	7070.00	14.09 N	431.74 E	431.97
0.00						
7430.00	90.000	88.131	7070.00	14.41 N	441.74 E	441.97
0.00						
7440.00	90.000	88.131	7070.00	14.74 N	451.73 E	451.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00						
7450.00	90.000	88.131	7070.00	15.07 N	461.73 E	461.97
0.00						
7460.00	90.000	88.131	7070.00	15.39 N	471.72 E	471.97
0.00						
7470.00	90.000	88.131	7070.00	15.72 N	481.72 E	481.97
0.00						
7480.00	90.000	88.131	7070.00	16.04 N	491.71 E	491.97
0.00						
7490.00	90.000	88.131	7070.00	16.37 N	501.71 E	501.97
0.00						
7500.00	90.000	88.131	7070.00	16.70 N	511.70 E	511.97
0.00						
7510.00	90.000	88.131	7070.00	17.02 N	521.69 E	521.97
0.00						
7520.00	90.000	88.131	7070.00	17.35 N	531.69 E	531.97
0.00						
7530.00	90.000	88.131	7070.00	17.67 N	541.68 E	541.97
0.00						
7540.00	90.000	88.131	7070.00	18.00 N	551.68 E	551.97
0.00						
7550.00	90.000	88.131	7070.00	18.33 N	561.67 E	561.97
0.00						
7560.00	90.000	88.131	7070.00	18.65 N	571.67 E	571.97
0.00						
7570.00	90.000	88.131	7070.00	18.98 N	581.66 E	581.97
0.00						
7580.00	90.000	88.131	7070.00	19.31 N	591.66 E	591.97
0.00						
7590.00	90.000	88.131	7070.00	19.63 N	601.65 E	601.97
0.00						
7600.00	90.000	88.131	7070.00	19.96 N	611.65 E	611.97
0.00						
7610.00	90.000	88.131	7070.00	20.28 N	621.64 E	621.97
0.00						
7620.00	90.000	88.131	7070.00	20.61 N	631.64 E	631.97
0.00						
7630.00	90.000	88.131	7070.00	20.94 N	641.63 E	641.97
0.00						
7640.00	90.000	88.131	7070.00	21.26 N	651.63 E	651.97
0.00						
7650.00	90.000	88.131	7070.00	21.59 N	661.62 E	661.97
0.00						
7660.00	90.000	88.131	7070.00	21.91 N	671.61 E	671.97
0.00						
7670.00	90.000	88.131	7070.00	22.24 N	681.61 E	681.97
0.00						
7680.00	90.000	88.131	7070.00	22.57 N	691.60 E	691.97
0.00						
7690.00	90.000	88.131	7070.00	22.89 N	701.60 E	701.97
0.00						
7700.00	90.000	88.131	7070.00	23.22 N	711.59 E	711.97
0.00						
7710.00	90.000	88.131	7070.00	23.55 N	721.59 E	721.97
0.00						
7720.00	90.000	88.131	7070.00	23.87 N	731.58 E	731.97
0.00						
7730.00	90.000	88.131	7070.00	24.20 N	741.58 E	741.97
0.00						
7740.00	90.000	88.131	7070.00	24.52 N	751.57 E	751.97
0.00						
7750.00	90.000	88.131	7070.00	24.85 N	761.57 E	761.97
0.00						

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

7760.00	90.000	88.131	7070.00	25.18 N	771.56 E	771.97
0.00						
7770.00	90.000	88.131	7070.00	25.50 N	781.56 E	781.97
0.00						
7780.00	90.000	88.131	7070.00	25.83 N	791.55 E	791.97
0.00						
7790.00	90.000	88.131	7070.00	26.15 N	801.55 E	801.97
0.00						
7800.00	90.000	88.131	7070.00	26.48 N	811.54 E	811.97
0.00						
7810.00	90.000	88.131	7070.00	26.81 N	821.53 E	821.97
0.00						
7820.00	90.000	88.131	7070.00	27.13 N	831.53 E	831.97
0.00						
7830.00	90.000	88.131	7070.00	27.46 N	841.52 E	841.97
0.00						
7840.00	90.000	88.131	7070.00	27.78 N	851.52 E	851.97
0.00						
7850.00	90.000	88.131	7070.00	28.11 N	861.51 E	861.97
0.00						
7860.00	90.000	88.131	7070.00	28.44 N	871.51 E	871.97
0.00						
7870.00	90.000	88.131	7070.00	28.76 N	881.50 E	881.97
0.00						
7880.00	90.000	88.131	7070.00	29.09 N	891.50 E	891.97
0.00						
7890.00	90.000	88.131	7070.00	29.42 N	901.49 E	901.97
0.00						
7900.00	90.000	88.131	7070.00	29.74 N	911.49 E	911.97
0.00						
7910.00	90.000	88.131	7070.00	30.07 N	921.48 E	921.97
0.00						
7920.00	90.000	88.131	7070.00	30.39 N	931.48 E	931.97
0.00						
7930.00	90.000	88.131	7070.00	30.72 N	941.47 E	941.97
0.00						
7940.00	90.000	88.131	7070.00	31.05 N	951.47 E	951.97
0.00						
7950.00	90.000	88.131	7070.00	31.37 N	961.46 E	961.97
0.00						
7960.00	90.000	88.131	7070.00	31.70 N	971.46 E	971.97
0.00						
7970.00	90.000	88.131	7070.00	32.02 N	981.45 E	981.97
0.00						
7980.00	90.000	88.131	7070.00	32.35 N	991.44 E	991.97
0.00						
7990.00	90.000	88.131	7070.00	32.68 N	1001.44 E	1001.97
0.00						
8000.00	90.000	88.131	7070.00	33.00 N	1011.43 E	1011.97
0.00						
8010.00	90.000	88.131	7070.00	33.33 N	1021.43 E	1021.97
0.00						
8020.00	90.000	88.131	7070.00	33.65 N	1031.42 E	1031.97
0.00						
8030.00	90.000	88.131	7070.00	33.98 N	1041.42 E	1041.97
0.00						
8040.00	90.000	88.131	7070.00	34.31 N	1051.41 E	1051.97
0.00						
8050.00	90.000	88.131	7070.00	34.63 N	1061.41 E	1061.97
0.00						
8060.00	90.000	88.131	7070.00	34.96 N	1071.40 E	1071.97
0.00						
8070.00	90.000	88.131	7070.00	35.29 N	1081.40 E	1081.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00						
8080.00	90.000	88.131	7070.00	35.61 N	1091.39 E	1091.97
0.00						
8090.00	90.000	88.131	7070.00	35.94 N	1101.39 E	1101.97
0.00						
8100.00	90.000	88.131	7070.00	36.26 N	1111.38 E	1111.97
0.00						
8110.00	90.000	88.131	7070.00	36.59 N	1121.38 E	1121.97
0.00						
8120.00	90.000	88.131	7070.00	36.92 N	1131.37 E	1131.97
0.00						
8130.00	90.000	88.131	7070.00	37.24 N	1141.36 E	1141.97
0.00						
8140.00	90.000	88.131	7070.00	37.57 N	1151.36 E	1151.97
0.00						
8150.00	90.000	88.131	7070.00	37.89 N	1161.35 E	1161.97
0.00						
8160.00	90.000	88.131	7070.00	38.22 N	1171.35 E	1171.97
0.00						
8170.00	90.000	88.131	7070.00	38.55 N	1181.34 E	1181.97
0.00						
8180.00	90.000	88.131	7070.00	38.87 N	1191.34 E	1191.97
0.00						
8190.00	90.000	88.131	7070.00	39.20 N	1201.33 E	1201.97
0.00						
8200.00	90.000	88.131	7070.00	39.53 N	1211.33 E	1211.97
0.00						
8210.00	90.000	88.131	7070.00	39.85 N	1221.32 E	1221.97
0.00						
8220.00	90.000	88.131	7070.00	40.18 N	1231.32 E	1231.97
0.00						
8230.00	90.000	88.131	7070.00	40.50 N	1241.31 E	1241.97
0.00						
8240.00	90.000	88.131	7070.00	40.83 N	1251.31 E	1251.97
0.00						
8250.00	90.000	88.131	7070.00	41.16 N	1261.30 E	1261.97
0.00						
8260.00	90.000	88.131	7070.00	41.48 N	1271.30 E	1271.97
0.00						
8270.00	90.000	88.131	7070.00	41.81 N	1281.29 E	1281.97
0.00						
8280.00	90.000	88.131	7070.00	42.13 N	1291.28 E	1291.97
0.00						
8290.00	90.000	88.131	7070.00	42.46 N	1301.28 E	1301.97
0.00						
8300.00	90.000	88.131	7070.00	42.79 N	1311.27 E	1311.97
0.00						
8310.00	90.000	88.131	7070.00	43.11 N	1321.27 E	1321.97
0.00						
8320.00	90.000	88.131	7070.00	43.44 N	1331.26 E	1331.97
0.00						
8330.00	90.000	88.131	7070.00	43.76 N	1341.26 E	1341.97
0.00						
8340.00	90.000	88.131	7070.00	44.09 N	1351.25 E	1351.97
0.00						
8350.00	90.000	88.131	7070.00	44.42 N	1361.25 E	1361.97
0.00						
8360.00	90.000	88.131	7070.00	44.74 N	1371.24 E	1371.97
0.00						
8370.00	90.000	88.131	7070.00	45.07 N	1381.24 E	1381.97
0.00						
8380.00	90.000	88.131	7070.00	45.40 N	1391.23 E	1391.97
0.00						

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

8390.00	90.000	88.131	7070.00	45.72 N	1401.23 E	1401.97
0.00						
8400.00	90.000	88.131	7070.00	46.05 N	1411.22 E	1411.97
0.00						
8410.00	90.000	88.131	7070.00	46.37 N	1421.22 E	1421.97
0.00						
8420.00	90.000	88.131	7070.00	46.70 N	1431.21 E	1431.97
0.00						
8430.00	90.000	88.131	7070.00	47.03 N	1441.21 E	1441.97
0.00						
8440.00	90.000	88.131	7070.00	47.35 N	1451.20 E	1451.97
0.00						
8450.00	90.000	88.131	7070.00	47.68 N	1461.19 E	1461.97
0.00						
8460.00	90.000	88.131	7070.00	48.00 N	1471.19 E	1471.97
0.00						
8470.00	90.000	88.131	7070.00	48.33 N	1481.18 E	1481.97
0.00						
8480.00	90.000	88.131	7070.00	48.66 N	1491.18 E	1491.97
0.00						
8490.00	90.000	88.131	7070.00	48.98 N	1501.17 E	1501.97
0.00						
8500.00	90.000	88.131	7070.00	49.31 N	1511.17 E	1511.97
0.00						
8510.00	90.000	88.131	7070.00	49.63 N	1521.16 E	1521.97
0.00						
8520.00	90.000	88.131	7070.00	49.96 N	1531.16 E	1531.97
0.00						
8530.00	90.000	88.131	7070.00	50.29 N	1541.15 E	1541.97
0.00						
8540.00	90.000	88.131	7070.00	50.61 N	1551.15 E	1551.97
0.00						
8550.00	90.000	88.131	7070.00	50.94 N	1561.14 E	1561.97
0.00						
8560.00	90.000	88.131	7070.00	51.27 N	1571.14 E	1571.97
0.00						
8570.00	90.000	88.131	7070.00	51.59 N	1581.13 E	1581.97
0.00						
8580.00	90.000	88.131	7070.00	51.92 N	1591.13 E	1591.97
0.00						
8590.00	90.000	88.131	7070.00	52.24 N	1601.12 E	1601.97
0.00						
8600.00	90.000	88.131	7070.00	52.57 N	1611.11 E	1611.97
0.00						
8610.00	90.000	88.131	7070.00	52.90 N	1621.11 E	1621.97
0.00						
8620.00	90.000	88.131	7070.00	53.22 N	1631.10 E	1631.97
0.00						
8630.00	90.000	88.131	7070.00	53.55 N	1641.10 E	1641.97
0.00						
8640.00	90.000	88.131	7070.00	53.87 N	1651.09 E	1651.97
0.00						
8650.00	90.000	88.131	7070.00	54.20 N	1661.09 E	1661.97
0.00						
8660.00	90.000	88.131	7070.00	54.53 N	1671.08 E	1671.97
0.00						
8670.00	90.000	88.131	7070.00	54.85 N	1681.08 E	1681.97
0.00						
8680.00	90.000	88.131	7070.00	55.18 N	1691.07 E	1691.97
0.00						
8690.00	90.000	88.131	7070.00	55.51 N	1701.07 E	1701.97
0.00						
8700.00	90.000	88.131	7070.00	55.83 N	1711.06 E	1711.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00						
8710.00	90.000	88.131	7070.00	56.16 N	1721.06 E	1721.97
0.00						
8720.00	90.000	88.131	7070.00	56.48 N	1731.05 E	1731.97
0.00						
8730.00	90.000	88.131	7070.00	56.81 N	1741.05 E	1741.97
0.00						
8740.00	90.000	88.131	7070.00	57.14 N	1751.04 E	1751.97
0.00						
8750.00	90.000	88.131	7070.00	57.46 N	1761.03 E	1761.97
0.00						
8760.00	90.000	88.131	7070.00	57.79 N	1771.03 E	1771.97
0.00						
8770.00	90.000	88.131	7070.00	58.11 N	1781.02 E	1781.97
0.00						
8780.00	90.000	88.131	7070.00	58.44 N	1791.02 E	1791.97
0.00						
8790.00	90.000	88.131	7070.00	58.77 N	1801.01 E	1801.97
0.00						
8800.00	90.000	88.131	7070.00	59.09 N	1811.01 E	1811.97
0.00						
8810.00	90.000	88.131	7070.00	59.42 N	1821.00 E	1821.97
0.00						
8820.00	90.000	88.131	7070.00	59.74 N	1831.00 E	1831.97
0.00						
8830.00	90.000	88.131	7070.00	60.07 N	1840.99 E	1841.97
0.00						
8840.00	90.000	88.131	7070.00	60.40 N	1850.99 E	1851.97
0.00						
8850.00	90.000	88.131	7070.00	60.72 N	1860.98 E	1861.97
0.00						
8860.00	90.000	88.131	7070.00	61.05 N	1870.98 E	1871.97
0.00						
8870.00	90.000	88.131	7070.00	61.38 N	1880.97 E	1881.97
0.00						
8880.00	90.000	88.131	7070.00	61.70 N	1890.97 E	1891.97
0.00						
8890.00	90.000	88.131	7070.00	62.03 N	1900.96 E	1901.97
0.00						
8900.00	90.000	88.131	7070.00	62.35 N	1910.96 E	1911.97
0.00						
8910.00	90.000	88.131	7070.00	62.68 N	1920.95 E	1921.97
0.00						
8920.00	90.000	88.131	7070.00	63.01 N	1930.94 E	1931.97
0.00						
8930.00	90.000	88.131	7070.00	63.33 N	1940.94 E	1941.97
0.00						
8940.00	90.000	88.131	7070.00	63.66 N	1950.93 E	1951.97
0.00						
8950.00	90.000	88.131	7070.00	63.98 N	1960.93 E	1961.97
0.00						
8960.00	90.000	88.131	7070.00	64.31 N	1970.92 E	1971.97
0.00						
8970.00	90.000	88.131	7070.00	64.64 N	1980.92 E	1981.97
0.00						
8980.00	90.000	88.131	7070.00	64.96 N	1990.91 E	1991.97
0.00						
8990.00	90.000	88.131	7070.00	65.29 N	2000.91 E	2001.97
0.00						
9000.00	90.000	88.131	7070.00	65.61 N	2010.90 E	2011.97
0.00						
9010.00	90.000	88.131	7070.00	65.94 N	2020.90 E	2021.97
0.00						

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

9020.00	90.000	88.131	7070.00	66.27 N	2030.89 E	2031.97
0.00						
9030.00	90.000	88.131	7070.00	66.59 N	2040.89 E	2041.97
0.00						
9040.00	90.000	88.131	7070.00	66.92 N	2050.88 E	2051.97
0.00						
9050.00	90.000	88.131	7070.00	67.25 N	2060.88 E	2061.97
0.00						
9060.00	90.000	88.131	7070.00	67.57 N	2070.87 E	2071.97
0.00						
9070.00	90.000	88.131	7070.00	67.90 N	2080.86 E	2081.97
0.00						
9080.00	90.000	88.131	7070.00	68.22 N	2090.86 E	2091.97
0.00						
9090.00	90.000	88.131	7070.00	68.55 N	2100.85 E	2101.97
0.00						
9100.00	90.000	88.131	7070.00	68.88 N	2110.85 E	2111.97
0.00						
9110.00	90.000	88.131	7070.00	69.20 N	2120.84 E	2121.97
0.00						
9120.00	90.000	88.131	7070.00	69.53 N	2130.84 E	2131.97
0.00						
9130.00	90.000	88.131	7070.00	69.85 N	2140.83 E	2141.97
0.00						
9140.00	90.000	88.131	7070.00	70.18 N	2150.83 E	2151.97
0.00						
9150.00	90.000	88.131	7070.00	70.51 N	2160.82 E	2161.97
0.00						
9160.00	90.000	88.131	7070.00	70.83 N	2170.82 E	2171.97
0.00						
9170.00	90.000	88.131	7070.00	71.16 N	2180.81 E	2181.97
0.00						
9180.00	90.000	88.131	7070.00	71.48 N	2190.81 E	2191.97
0.00						
9190.00	90.000	88.131	7070.00	71.81 N	2200.80 E	2201.97
0.00						
9200.00	90.000	88.131	7070.00	72.14 N	2210.80 E	2211.97
0.00						
9210.00	90.000	88.131	7070.00	72.46 N	2220.79 E	2221.97
0.00						
9220.00	90.000	88.131	7070.00	72.79 N	2230.78 E	2231.97
0.00						
9230.00	90.000	88.131	7070.00	73.12 N	2240.78 E	2241.97
0.00						
9240.00	90.000	88.131	7070.00	73.44 N	2250.77 E	2251.97
0.00						
9250.00	90.000	88.131	7070.00	73.77 N	2260.77 E	2261.97
0.00						
9260.00	90.000	88.131	7070.00	74.09 N	2270.76 E	2271.97
0.00						
9270.00	90.000	88.131	7070.00	74.42 N	2280.76 E	2281.97
0.00						
9280.00	90.000	88.131	7070.00	74.75 N	2290.75 E	2291.97
0.00						
9290.00	90.000	88.131	7070.00	75.07 N	2300.75 E	2301.97
0.00						
9300.00	90.000	88.131	7070.00	75.40 N	2310.74 E	2311.97
0.00						
9310.00	90.000	88.131	7070.00	75.72 N	2320.74 E	2321.97
0.00						
9320.00	90.000	88.131	7070.00	76.05 N	2330.73 E	2331.97
0.00						
9330.00	90.000	88.131	7070.00	76.38 N	2340.73 E	2341.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00						
9340.00	90.000	88.131	7070.00	76.70 N	2350.72 E	2351.97
0.00						
9350.00	90.000	88.131	7070.00	77.03 N	2360.72 E	2361.97
0.00						
9360.00	90.000	88.131	7070.00	77.36 N	2370.71 E	2371.97
0.00						
9370.00	90.000	88.131	7070.00	77.68 N	2380.71 E	2381.97
0.00						
9380.00	90.000	88.131	7070.00	78.01 N	2390.70 E	2391.97
0.00						
9390.00	90.000	88.131	7070.00	78.33 N	2400.69 E	2401.97
0.00						
9400.00	90.000	88.131	7070.00	78.66 N	2410.69 E	2411.97
0.00						
9410.00	90.000	88.131	7070.00	78.99 N	2420.68 E	2421.97
0.00						
9420.00	90.000	88.131	7070.00	79.31 N	2430.68 E	2431.97
0.00						
9430.00	90.000	88.131	7070.00	79.64 N	2440.67 E	2441.97
0.00						
9440.00	90.000	88.131	7070.00	79.96 N	2450.67 E	2451.97
0.00						
9450.00	90.000	88.131	7070.00	80.29 N	2460.66 E	2461.97
0.00						
9460.00	90.000	88.131	7070.00	80.62 N	2470.66 E	2471.97
0.00						
9470.00	90.000	88.131	7070.00	80.94 N	2480.65 E	2481.97
0.00						
9480.00	90.000	88.131	7070.00	81.27 N	2490.65 E	2491.97
0.00						
9490.00	90.000	88.131	7070.00	81.59 N	2500.64 E	2501.97
0.00						
9500.00	90.000	88.131	7070.00	81.92 N	2510.64 E	2511.97
0.00						
9510.00	90.000	88.131	7070.00	82.25 N	2520.63 E	2521.97
0.00						
9520.00	90.000	88.131	7070.00	82.57 N	2530.63 E	2531.97
0.00						
9530.00	90.000	88.131	7070.00	82.90 N	2540.62 E	2541.97
0.00						
9540.00	90.000	88.131	7070.00	83.23 N	2550.61 E	2551.97
0.00						
9550.00	90.000	88.131	7070.00	83.55 N	2560.61 E	2561.97
0.00						
9560.00	90.000	88.131	7070.00	83.88 N	2570.60 E	2571.97
0.00						
9570.00	90.000	88.131	7070.00	84.20 N	2580.60 E	2581.97
0.00						
9580.00	90.000	88.131	7070.00	84.53 N	2590.59 E	2591.97
0.00						
9590.00	90.000	88.131	7070.00	84.86 N	2600.59 E	2601.97
0.00						
9600.00	90.000	88.131	7070.00	85.18 N	2610.58 E	2611.97
0.00						
9610.00	90.000	88.131	7070.00	85.51 N	2620.58 E	2621.97
0.00						
9620.00	90.000	88.131	7070.00	85.83 N	2630.57 E	2631.97
0.00						
9630.00	90.000	88.131	7070.00	86.16 N	2640.57 E	2641.97
0.00						
9640.00	90.000	88.131	7070.00	86.49 N	2650.56 E	2651.97
0.00						

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

9650.00	90.000	88.131	7070.00	86.81 N	2660.56 E	2661.97
0.00						
9660.00	90.000	88.131	7070.00	87.14 N	2670.55 E	2671.97
0.00						
9670.00	90.000	88.131	7070.00	87.46 N	2680.55 E	2681.97
0.00						
9680.00	90.000	88.131	7070.00	87.79 N	2690.54 E	2691.97
0.00						
9690.00	90.000	88.131	7070.00	88.12 N	2700.53 E	2701.97
0.00						
9700.00	90.000	88.131	7070.00	88.44 N	2710.53 E	2711.97
0.00						
9710.00	90.000	88.131	7070.00	88.77 N	2720.52 E	2721.97
0.00						
9720.00	90.000	88.131	7070.00	89.10 N	2730.52 E	2731.97
0.00						
9730.00	90.000	88.131	7070.00	89.42 N	2740.51 E	2741.97
0.00						
9740.00	90.000	88.131	7070.00	89.75 N	2750.51 E	2751.97
0.00						
9750.00	90.000	88.131	7070.00	90.07 N	2760.50 E	2761.97
0.00						
9760.00	90.000	88.131	7070.00	90.40 N	2770.50 E	2771.97
0.00						
9770.00	90.000	88.131	7070.00	90.73 N	2780.49 E	2781.97
0.00						
9780.00	90.000	88.131	7070.00	91.05 N	2790.49 E	2791.97
0.00						
9790.00	90.000	88.131	7070.00	91.38 N	2800.48 E	2801.97
0.00						
9800.00	90.000	88.131	7070.00	91.70 N	2810.48 E	2811.97
0.00						
9810.00	90.000	88.131	7070.00	92.03 N	2820.47 E	2821.97
0.00						
9820.00	90.000	88.131	7070.00	92.36 N	2830.47 E	2831.97
0.00						
9830.00	90.000	88.131	7070.00	92.68 N	2840.46 E	2841.97
0.00						
9840.00	90.000	88.131	7070.00	93.01 N	2850.46 E	2851.97
0.00						
9850.00	90.000	88.131	7070.00	93.34 N	2860.45 E	2861.97
0.00						
9860.00	90.000	88.131	7070.00	93.66 N	2870.44 E	2871.97
0.00						
9870.00	90.000	88.131	7070.00	93.99 N	2880.44 E	2881.97
0.00						
9880.00	90.000	88.131	7070.00	94.31 N	2890.43 E	2891.97
0.00						
9890.00	90.000	88.131	7070.00	94.64 N	2900.43 E	2901.97
0.00						
9900.00	90.000	88.131	7070.00	94.97 N	2910.42 E	2911.97
0.00						
9910.00	90.000	88.131	7070.00	95.29 N	2920.42 E	2921.97
0.00						
9920.00	90.000	88.131	7070.00	95.62 N	2930.41 E	2931.97
0.00						
9930.00	90.000	88.131	7070.00	95.94 N	2940.41 E	2941.97
0.00						
9940.00	90.000	88.131	7070.00	96.27 N	2950.40 E	2951.97
0.00						
9950.00	90.000	88.131	7070.00	96.60 N	2960.40 E	2961.97
0.00						
9960.00	90.000	88.131	7070.00	96.92 N	2970.39 E	2971.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00						
9970.00	90.000	88.131	7070.00	97.25 N	2980.39 E	2981.97
0.00						
9980.00	90.000	88.131	7070.00	97.57 N	2990.38 E	2991.97
0.00						
9990.00	90.000	88.131	7070.00	97.90 N	3000.38 E	3001.97
0.00						
10000.00	90.000	88.131	7070.00	98.23 N	3010.37 E	3011.97
0.00						
10010.00	90.000	88.131	7070.00	98.55 N	3020.36 E	3021.97
0.00						
10020.00	90.000	88.131	7070.00	98.88 N	3030.36 E	3031.97
0.00						
10030.00	90.000	88.131	7070.00	99.21 N	3040.35 E	3041.97
0.00						
10040.00	90.000	88.131	7070.00	99.53 N	3050.35 E	3051.97
0.00						
10050.00	90.000	88.131	7070.00	99.86 N	3060.34 E	3061.97
0.00						
10060.00	90.000	88.131	7070.00	100.18 N	3070.34 E	3071.97
0.00						
10070.00	90.000	88.131	7070.00	100.51 N	3080.33 E	3081.97
0.00						
10080.00	90.000	88.131	7070.00	100.84 N	3090.33 E	3091.97
0.00						
10090.00	90.000	88.131	7070.00	101.16 N	3100.32 E	3101.97
0.00						
10100.00	90.000	88.131	7070.00	101.49 N	3110.32 E	3111.97
0.00						
10110.00	90.000	88.131	7070.00	101.81 N	3120.31 E	3121.97
0.00						
10120.00	90.000	88.131	7070.00	102.14 N	3130.31 E	3131.97
0.00						
10130.00	90.000	88.131	7070.00	102.47 N	3140.30 E	3141.97
0.00						
10140.00	90.000	88.131	7070.00	102.79 N	3150.30 E	3151.97
0.00						
10150.00	90.000	88.131	7070.00	103.12 N	3160.29 E	3161.97
0.00						
10160.00	90.000	88.131	7070.00	103.44 N	3170.28 E	3171.97
0.00						
10170.00	90.000	88.131	7070.00	103.77 N	3180.28 E	3181.97
0.00						
10180.00	90.000	88.131	7070.00	104.10 N	3190.27 E	3191.97
0.00						
10190.00	90.000	88.131	7070.00	104.42 N	3200.27 E	3201.97
0.00						
10200.00	90.000	88.131	7070.00	104.75 N	3210.26 E	3211.97
0.00						
10210.00	90.000	88.131	7070.00	105.08 N	3220.26 E	3221.97
0.00						
10220.00	90.000	88.131	7070.00	105.40 N	3230.25 E	3231.97
0.00						
10230.00	90.000	88.131	7070.00	105.73 N	3240.25 E	3241.97
0.00						
10240.00	90.000	88.131	7070.00	106.05 N	3250.24 E	3251.97
0.00						
10250.00	90.000	88.131	7070.00	106.38 N	3260.24 E	3261.97
0.00						
10260.00	90.000	88.131	7070.00	106.71 N	3270.23 E	3271.97
0.00						
10270.00	90.000	88.131	7070.00	107.03 N	3280.23 E	3281.97
0.00						

	Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt					
10280.00	90.000	88.131	7070.00	107.36 N	3290.22 E	3291.97
0.00						
10290.00	90.000	88.131	7070.00	107.68 N	3300.22 E	3301.97
0.00						
10300.00	90.000	88.131	7070.00	108.01 N	3310.21 E	3311.97
0.00						
10310.00	90.000	88.131	7070.00	108.34 N	3320.21 E	3321.97
0.00						
10320.00	90.000	88.131	7070.00	108.66 N	3330.20 E	3331.97
0.00						
10330.00	90.000	88.131	7070.00	108.99 N	3340.19 E	3341.97
0.00						
10340.00	90.000	88.131	7070.00	109.32 N	3350.19 E	3351.97
0.00						
10350.00	90.000	88.131	7070.00	109.64 N	3360.18 E	3361.97
0.00						
10360.00	90.000	88.131	7070.00	109.97 N	3370.18 E	3371.97
0.00						
10370.00	90.000	88.131	7070.00	110.29 N	3380.17 E	3381.97
0.00						
10380.00	90.000	88.131	7070.00	110.62 N	3390.17 E	3391.97
0.00						
10390.00	90.000	88.131	7070.00	110.95 N	3400.16 E	3401.97
0.00						
10400.00	90.000	88.131	7070.00	111.27 N	3410.16 E	3411.97
0.00						
10410.00	90.000	88.131	7070.00	111.60 N	3420.15 E	3421.97
0.00						
10420.00	90.000	88.131	7070.00	111.92 N	3430.15 E	3431.97
0.00						
10430.00	90.000	88.131	7070.00	112.25 N	3440.14 E	3441.97
0.00						
10440.00	90.000	88.131	7070.00	112.58 N	3450.14 E	3451.97
0.00						
10450.00	90.000	88.131	7070.00	112.90 N	3460.13 E	3461.97
0.00						
10460.00	90.000	88.131	7070.00	113.23 N	3470.13 E	3471.97
0.00						
10470.00	90.000	88.131	7070.00	113.55 N	3480.12 E	3481.97
0.00						
10480.00	90.000	88.131	7070.00	113.88 N	3490.11 E	3491.97
0.00						
10490.00	90.000	88.131	7070.00	114.21 N	3500.11 E	3501.97
0.00						
10500.00	90.000	88.131	7070.00	114.53 N	3510.10 E	3511.97
0.00						
10510.00	90.000	88.131	7070.00	114.86 N	3520.10 E	3521.97
0.00						
10520.00	90.000	88.131	7070.00	115.19 N	3530.09 E	3531.97
0.00						
10530.00	90.000	88.131	7070.00	115.51 N	3540.09 E	3541.97
0.00						
10540.00	90.000	88.131	7070.00	115.84 N	3550.08 E	3551.97
0.00						
10550.00	90.000	88.131	7070.00	116.16 N	3560.08 E	3561.97
0.00						
10560.00	90.000	88.131	7070.00	116.49 N	3570.07 E	3571.97
0.00						
10570.00	90.000	88.131	7070.00	116.82 N	3580.07 E	3581.97
0.00						
10580.00	90.000	88.131	7070.00	117.14 N	3590.06 E	3591.97
0.00						
10590.00	90.000	88.131	7070.00	117.47 N	3600.06 E	3601.97

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt

0.00							
10600.00	90.000	88.131	7070.00	117.79 N	3610.05 E	3611.97	
0.00							
10610.00	90.000	88.131	7070.00	118.12 N	3620.05 E	3621.97	
0.00							
10620.00	90.000	88.131	7070.00	118.45 N	3630.04 E	3631.97	
0.00							
10630.00	90.000	88.131	7070.00	118.77 N	3640.03 E	3641.97	
0.00							
10640.00	90.000	88.131	7070.00	119.10 N	3650.03 E	3651.97	
0.00							
10650.00	90.000	88.131	7070.00	119.42 N	3660.02 E	3661.97	
0.00							
10660.00	90.000	88.131	7070.00	119.75 N	3670.02 E	3671.97	
0.00							
10670.00	90.000	88.131	7070.00	120.08 N	3680.01 E	3681.97	
0.00							
10680.00	90.000	88.131	7070.00	120.40 N	3690.01 E	3691.97	
0.00							
10690.00	90.000	88.131	7070.00	120.73 N	3700.00 E	3701.97	
0.00							
10700.00	90.000	88.131	7070.00	121.06 N	3710.00 E	3711.97	
0.00							
10710.00	90.000	88.131	7070.00	121.38 N	3719.99 E	3721.97	
0.00							
10720.00	90.000	88.131	7070.00	121.71 N	3729.99 E	3731.97	
0.00							
10730.00	90.000	88.131	7070.00	122.03 N	3739.98 E	3741.97	
0.00							
10740.00	90.000	88.131	7070.00	122.36 N	3749.98 E	3751.97	
0.00							
10750.00	90.000	88.131	7070.00	122.69 N	3759.97 E	3761.97	
0.00							
10760.00	90.000	88.131	7070.00	123.01 N	3769.97 E	3771.97	
0.00							
10770.00	90.000	88.131	7070.00	123.34 N	3779.96 E	3781.97	
0.00							
10780.00	90.000	88.131	7070.00	123.66 N	3789.96 E	3791.97	
0.00							
10790.00	90.000	88.131	7070.00	123.99 N	3799.95 E	3801.97	
0.00							
10800.00	90.000	88.131	7070.00	124.32 N	3809.94 E	3811.97	
0.00							
10810.00	90.000	88.131	7070.00	124.64 N	3819.94 E	3821.97	
0.00							
10820.00	90.000	88.131	7070.00	124.97 N	3829.93 E	3831.97	
0.00							
10830.00	90.000	88.131	7070.00	125.30 N	3839.93 E	3841.97	
0.00							
10840.00	90.000	88.131	7070.00	125.62 N	3849.92 E	3851.97	
0.00							
10850.00	90.000	88.131	7070.00	125.95 N	3859.92 E	3861.97	
0.00							
10860.00	90.000	88.131	7070.00	126.27 N	3869.91 E	3871.97	
0.00							
10870.00	90.000	88.131	7070.00	126.60 N	3879.91 E	3881.97	
0.00							
10880.00	90.000	88.131	7070.00	126.93 N	3889.90 E	3891.97	
0.00							
10890.00	90.000	88.131	7070.00	127.25 N	3899.90 E	3901.97	
0.00							
10900.00	90.000	88.131	7070.00	127.58 N	3909.89 E	3911.97	
0.00							

Bear Bryant 31 Federal #1H Lateral Plan #1 Report 7-3-07.txt						
10910.00	90.000	88.131	7070.00	127.90 N	3919.89 E	3921.97
0.00						
10920.00	90.000	88.131	7070.00	128.23 N	3929.88 E	3931.97
0.00						
10930.00	90.000	88.131	7070.00	128.56 N	3939.88 E	3941.97
0.00						
10940.00	90.000	88.131	7070.00	128.88 N	3949.87 E	3951.97
0.00						
10950.00	90.000	88.131	7070.00	129.21 N	3959.86 E	3961.97
0.00						
10960.00	90.000	88.131	7070.00	129.53 N	3969.86 E	3971.97
0.00						
10970.00	90.000	88.131	7070.00	129.86 N	3979.85 E	3981.97
0.00						
10974.27	90.000	88.131	7070.00	130.00 N	3984.12 E	3986.24
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to WELL. Northings and Eastings are relative to well.

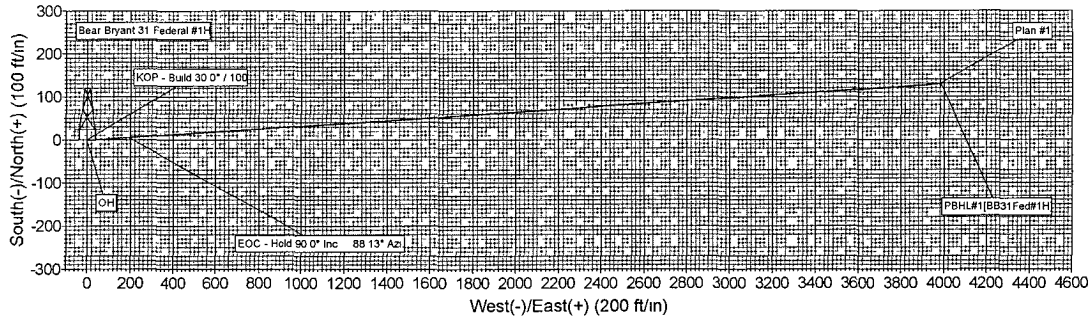
The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 88.131° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, Texas North Central Zone.
Central meridian is -98.500°.
Grid Convergence at Surface is -3.038°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 10974.27ft., the Bottom Hole Displacement is 3986.24ft., in the Direction of 88.131° (True).



Project Eddy Co., New Mexico
 Site Bear Bryant 31 Federal #1H
 Well Bear Bryant 31 Federal #1H
 Wellbore Lateral #1
 Plan Plan #1 (Bear Bryant 31 Federal #1H/Lateral #1)



ANNOTATIONS

TVD	MD	Annotation
6879 01	6879 01	KOP - Build 30 0° / 100
7070 00	7179 01	EOC - Hold 90 0° Inc 88 13° Azi

PROJECT DETAILS Eddy Co., New Mexico

Geodetic System US State Plane 1983
 Datum North American Datum 1983
 Ellipsoid GRS 1980
 Zone Texas North Central Zone
 System Datum Ground Level

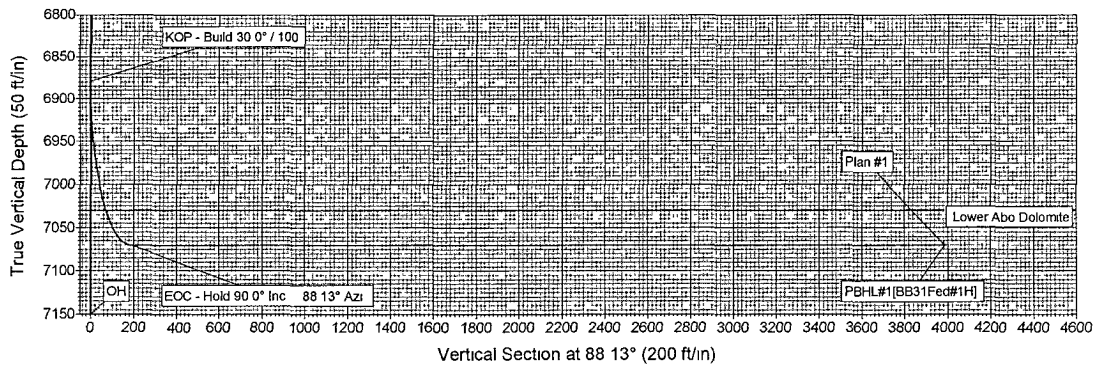


Azimuths to True North
 Magnetic North 8 30°

Magnetic Field
 Strength 49155 7nT
 Dip Angle 60 48°
 Date 7/3/2007
 Model IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6879 00	0 00	0 00	6879 00	0 00	0 00	0 00	0 00	0 00	
2	6879 01	0 00	0 00	6879 01	0 00	0 00	0 00	0 00	0 00	
3	7179 01	90 00	88 13	7070 00	6 23	190 88	30 00	88 13	-9 49	
4	10974 27	90 00	88 13	7070 00	130 00	3984 12	0 00	0 00	-198 07	PBHL#1(BB31Fed#1H)



Plan Plan #1 (Bear Bryant 31 Federal #1H/Lateral #1)
 Created By L.D. Burton Date July 3, 2007