

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1001 W. Grand Avenue, Artesia, NM 88210

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35779	Pool Code 97102	Pool Name CROW FLATS Wolfcamp
Property Code	Property Name CROW FLATS 16 STATE COM	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3549'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	16 S	28 E		1980	SOUTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	16 S	28 E		1980	SOUTH	330	EAST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code P	Order No.						

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

<u>SURFACE LOCATION</u> Lat - N32°55'14.79" Long - W104°11'17.92" NMSPCE - N 698740.784 E 585840.742 (NAD-83)				<u>BOTTOM HOLE LOCATION</u> Lat - N32°55'15.0" Long - W104°10'24.4" NMSPCE - N 698769.978 E 590399.283 (NAD-83)			
330' SHL				4558.6'			
1980'				330' BHL			

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Zeno Farris 09-05-07
Signature Date

Zeno Farris
Printed Name

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.

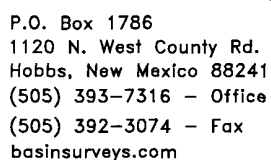
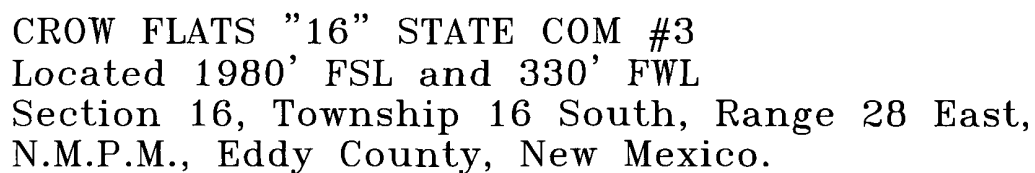
JULY 26, 2007
Date Surveyed

GARY L. JONES
Signature
Professional Surveyor

W.S. NO. 16350

Certificate No. Gary L. Jones 7977

BASIN SURVEYS



Date: 08-01-2007

CIMAREX
ENERGY CO.
OF COLORADO



Cimarex Energy Co. of Colorado

5215 North O'Connor Blvd. ♦ Suite 1500 ♦ Irving, TX 75039 ♦ (972) 401-3111 ♦ Fax (972) 443-6486

Mailing Address: P.O. Box 140907 ♦ Irving, TX 75014-0907

A subsidiary of Cimarex Energy Co ♦ A NYSE Listed Company ♦ "XEC"

September 5, 2007

Oil Conservation Division
District II Office
1301 W. Grand Ave.
Artesia, New Mexico 88210
Attn: Mr. Bryan Arrant

Re: Statewide Rule 118
Hydrogen Sulfide Gas Contingency Plan
Proposed Crow Flats 16 State Com No. 3 Well

Dear Mr. Arrant:

In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. of Colorado does not anticipate that there will be enough H₂S from the surface to the Abo formations to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of the following test(s):

Crow Flats 16 State Com No. 3
16-16S-28E
SHL 1980' FSL & 330' FWL
BHL 1980' FSL & 330' FEL
Eddy County, NM

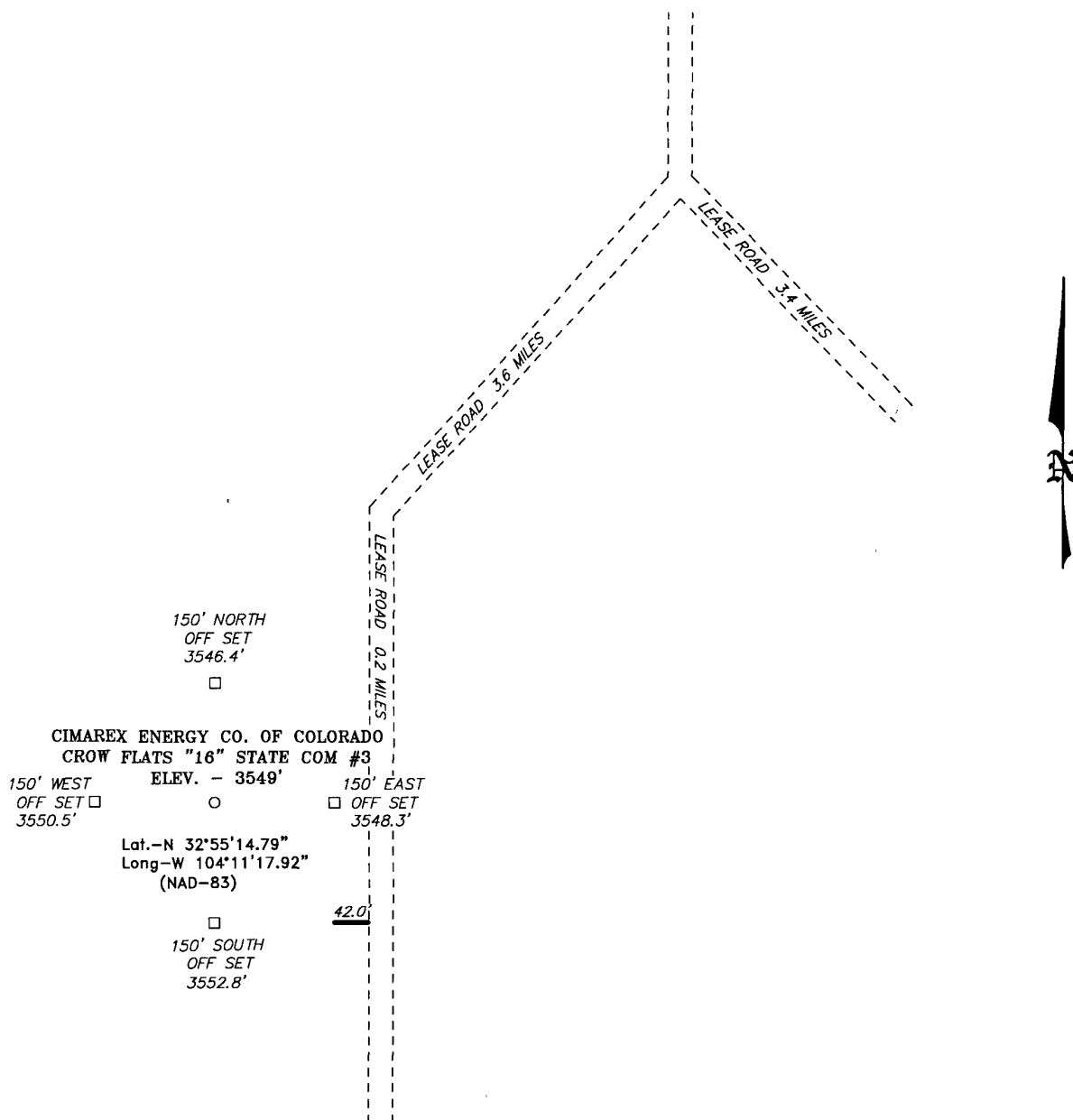
If anything further is needed regarding this issue, or if you have any questions, please feel free to contact the undersigned at 972-443-6489.

Yours truly,

A handwritten signature in cursive script that reads "Zeno Farris".

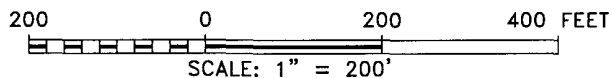
Zeno Farris
Manager, Operations Administration

SECTION 16, TOWNSHIP 16 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM JUNCTION OF U.S. HWY 82 AND CO. RD. 214
(BARNAVAL), GO NORTH 6.8 MILES TO "Y"; TAKE
LEFT FORK FOR 3.4 MILES TO LEASE ROAD; ON
LEASE ROAD GO SOUTHWEST 3.6 MILES TO LEASE
ROAD THENCE SOUTH ON LEASE ROAD 0.2 MILES TO
PROPOSED LOCATION.



CIMAREX ENERGY CO. OF COLORADO

REF: CROW FLATS "16" STATE COM #3 / WELL PAD TOPO

THE CROW FLATS "16" STATE COM #3 LOCATED 1980' FROM
THE SOUTH LINE AND 330' FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 16 SOUTH, RANGE 28 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 18349

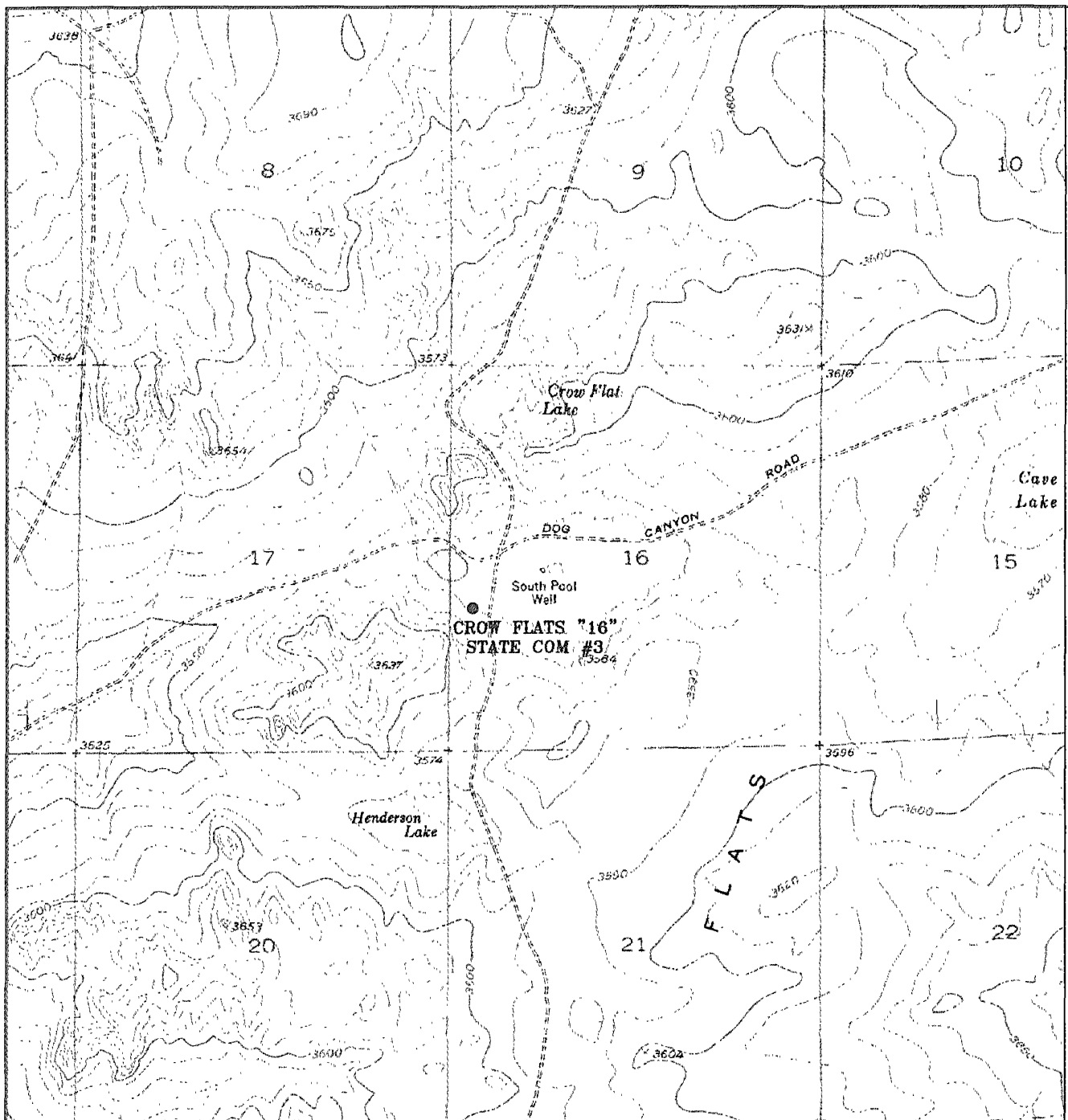
Drawn By: J. SMALL

Date: 08-01-2007

Disk: JMS 18349W

Survey Date: 07-26-2007

Sheet 1 of 1 Sheets



CROW FLATS "16" STATE COM #3

Located 1980' FSL and 330' FWL

Section 16, Township 16 South, Range 28 East,
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number: JMS 18349T

Survey Date: 07-26-2007

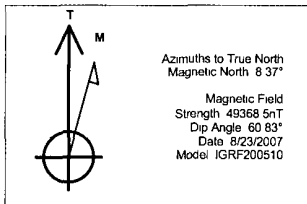
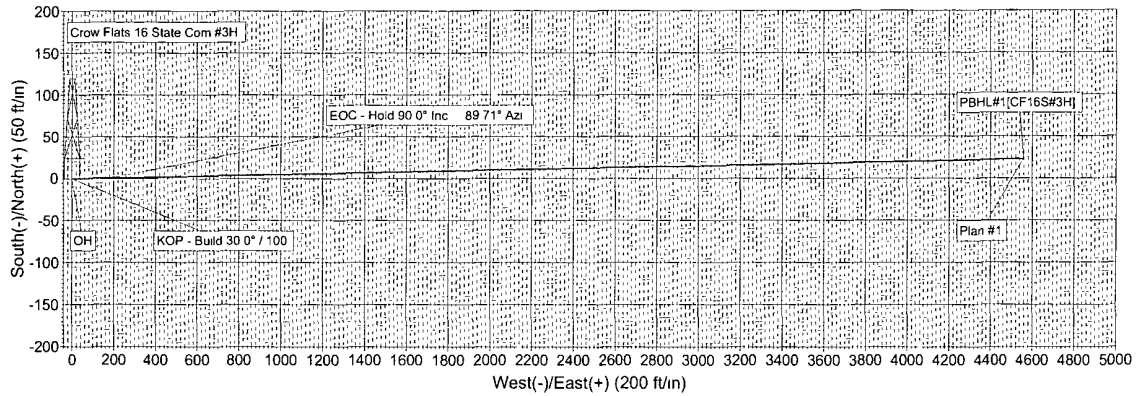
Scale: 1" = 2000'

Date: 08-01-2007

**CIMAREX
ENERGY CO.
OF COLORADO**



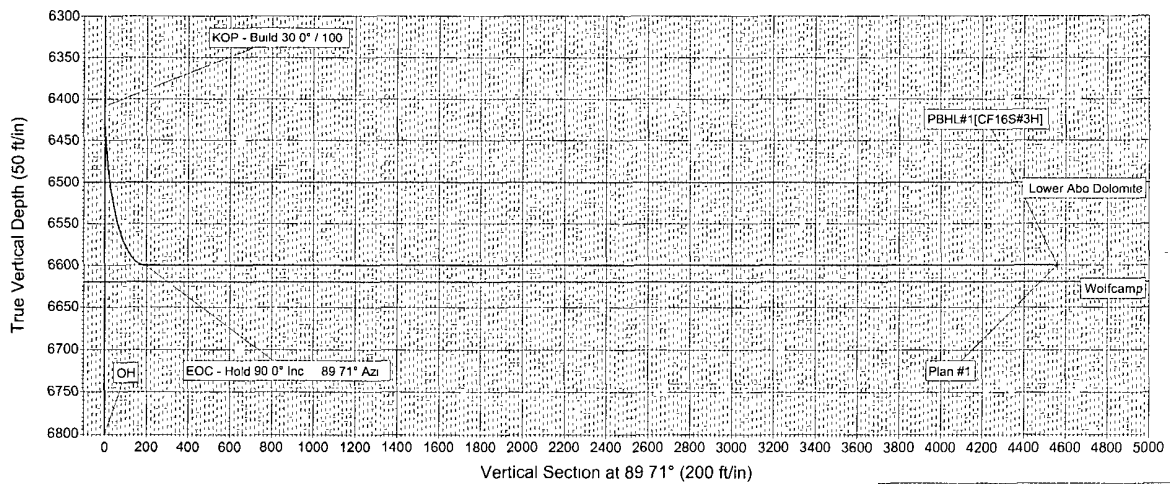
Project Eddy Co., New Mexico
 Site Crow Flats 16 State Com #3H
 Well Crow Flats 16 State #3H
 Wellbore Lateral #1
 Plan Plan #1 (Crow Flats 16 State #3H/Lateral #1)



ANNOTATIONS		
TVD	MD	Annotation
6409 01	6409 01	KOP - Build 30 0° / 100
6600 00	6709 01	EOC - Hold 90 0° Inc 89 71° Azi

PROJECT DETAILS Eddy Co., New Mexico
 Geodetic System US State Plane 1983
 Datum North American Datum 1983
 Ellipsoid GRS 1980
 Zone New Mexico Eastern Zone
 System Datum Ground Level

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6409 00	0 00	359 95	6409 00	0 00	0 00	0 00	0 00	0 00	
2	6409 01	0 00	0 00	6409 01	0 00	0 00	0 00	0 00	0 00	
3	6709 01	90 00	89 71	6600 00	0 96	190 98	30 00	89 71	190 99	
4	11076 66	90 00	89 71	6600 00	22 93	4558 58	0 00	0 00	4558 64	PBHL#1[CF16S#3H]



Plan Plan #1 (Crow Flats 16 State #3H/Lateral #1)
 Created By L.D. Burton Date September 4, 2007



Cimarex Energy Co., Inc.

**Eddy Co., New Mexico
Crow Flats 16 State Com #3H
Crow Flats 16 State #3H
Lateral #1**

Plan: Plan #1

Standard Survey Report

04 September, 2007





Black Viper Energy Survey Report



Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Crow Flats 16 State Com #3H
Well: Crow Flats 16 State #3H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Site Crow Flats 16 State Com #3H
TVD Reference: WELL @ 3549.00ft (Original Well Elev)
MD Reference: WELL @ 3549.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14 1.0 Server DB

Project: Eddy Co., New Mexico

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Ground Level

Site: Crow Flats 16 State Com #3H

Site Position: Northing: 698,740.78 ft Latitude: 32° 55' 14.753 N
From: Map Easting: 585,840.74 ft Longitude: 104° 11' 17.897 W
Position Uncertainty: 0.00 ft Slot Radius: " Grid Convergence: 0.08 °

Well: Crow Flats 16 State #3H

Well Position: +N/-S 0.00 ft Northing: 698,740.78 ft Latitude: 32° 55' 14.753 N
+E/-W 0.00 ft Easting: 585,840.74 ft Longitude: 104° 11' 17.897 W
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	8/23/2007	8.37	60.83	49,369

Design: Plan #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 6,409.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	89.71

Survey Tool Program Date: 9/4/2007

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
6,409.00	11,076.66	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)
6,409.01	0.00	0.00	6,409.01	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 30.0° / 100									
6,420.00	3.30	89.71	6,419.99	0.00	0.32	0.32	30.00	30.00	0.00
6,430.00	6.30	89.71	6,429.96	0.01	1.15	1.15	30.00	30.00	0.00
6,440.00	9.30	89.71	6,439.86	0.01	2.51	2.51	30.00	30.00	0.00
6,450.00	12.30	89.71	6,449.69	0.02	4.38	4.38	30.00	30.00	0.00
6,460.00	15.30	89.71	6,459.40	0.03	6.77	6.77	30.00	30.00	0.00
6,470.00	18.30	89.71	6,468.97	0.05	9.65	9.65	30.00	30.00	0.00
6,480.00	21.30	89.71	6,478.38	0.07	13.04	13.04	30.00	30.00	0.00
6,490.00	24.30	89.71	6,487.59	0.09	16.91	16.92	30.00	30.00	0.00
6,500.00	27.30	89.71	6,496.60	0.11	21.27	21.27	30.00	30.00	0.00
6,503.85	28.45	89.71	6,500.00	0.12	23.07	23.07	30.00	30.00	0.00
Lower Abo Dolomite									



Black Viper Energy Survey Report



Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Crow Flats 16 State Com #3H
Well: Crow Flats 16 State #3H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Site Crow Flats 16 State Com #3H
TVD Reference: WELL @ 3549 00ft (Original Well Elev)
MD Reference: WELL @ 3549.00ft (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)
6,510.00	30.30	89.71	6,505.36	0.13	26.08	26.08	30.00	30.00	0.00
6,520.00	33.30	89.71	6,513.86	0.16	31.35	31.35	30.00	30.00	0.00
6,530.00	36.30	89.71	6,522.07	0.19	37.06	37.06	30.00	30.00	0.00
6,540.00	39.30	89.71	6,529.97	0.22	43.18	43.18	30.00	30.00	0.00
6,550.00	42.30	89.71	6,537.54	0.25	49.72	49.72	30.00	30.00	0.00
6,560.00	45.30	89.71	6,544.76	0.28	56.64	56.64	30.00	30.00	0.00
6,570.00	48.30	89.71	6,551.60	0.32	63.93	63.93	30.00	30.00	0.00
6,580.00	51.30	89.71	6,558.06	0.36	71.56	71.56	30.00	30.00	0.00
6,590.00	54.30	89.71	6,564.10	0.40	79.53	79.53	30.00	30.00	0.00
6,600.00	57.30	89.71	6,569.72	0.44	87.79	87.80	30.00	30.00	0.00
6,610.00	60.30	89.71	6,574.90	0.48	96.35	96.35	30.00	30.00	0.00
6,620.00	63.30	89.71	6,579.63	0.53	105.16	105.16	30.00	30.00	0.00
6,630.00	66.30	89.71	6,583.89	0.57	114.21	114.21	30.00	30.00	0.00
6,640.00	69.30	89.71	6,587.67	0.62	123.46	123.46	30.00	30.00	0.00
6,650.00	72.30	89.71	6,590.95	0.67	132.90	132.91	30.00	30.00	0.00
6,660.00	75.30	89.71	6,593.74	0.72	142.51	142.51	30.00	30.00	0.00
6,670.00	78.30	89.71	6,596.03	0.77	152.24	152.24	30.00	30.00	0.00
6,680.00	81.30	89.71	6,597.80	0.82	162.08	162.08	30.00	30.00	0.00
6,690.00	84.30	89.71	6,599.05	0.87	172.00	172.00	30.00	30.00	0.00
6,700.00	87.30	89.71	6,599.79	0.92	181.97	181.98	30.00	30.00	0.00
6,709.01	90.00	89.71	6,600.00	0.96	190.98	190.99	30.00	30.00	0.00
EOC - Hold 90.0° Inc. :: 89.71° Azi.									
6,800.00	90.00	89.71	6,600.00	1.42	281.97	281.97	0.00	0.00	0.00
6,900.00	90.00	89.71	6,600.00	1.92	381.97	381.97	0.00	0.00	0.00
7,000.00	90.00	89.71	6,600.00	2.42	481.97	481.97	0.00	0.00	0.00
7,100.00	90.00	89.71	6,600.00	2.93	581.96	581.97	0.00	0.00	0.00
7,200.00	90.00	89.71	6,600.00	3.43	681.96	681.97	0.00	0.00	0.00
7,300.00	90.00	89.71	6,600.00	3.93	781.96	781.97	0.00	0.00	0.00
7,400.00	90.00	89.71	6,600.00	4.44	881.96	881.97	0.00	0.00	0.00
7,500.00	90.00	89.71	6,600.00	4.94	981.96	981.97	0.00	0.00	0.00
7,600.00	90.00	89.71	6,600.00	5.44	1,081.96	1,081.97	0.00	0.00	0.00
7,700.00	90.00	89.71	6,600.00	5.94	1,181.96	1,181.97	0.00	0.00	0.00
7,800.00	90.00	89.71	6,600.00	6.45	1,281.96	1,281.97	0.00	0.00	0.00
7,900.00	90.00	89.71	6,600.00	6.95	1,381.95	1,381.97	0.00	0.00	0.00
8,000.00	90.00	89.71	6,600.00	7.45	1,481.95	1,481.97	0.00	0.00	0.00
8,100.00	90.00	89.71	6,600.00	7.96	1,581.95	1,581.97	0.00	0.00	0.00
8,200.00	90.00	89.71	6,600.00	8.46	1,681.95	1,681.97	0.00	0.00	0.00
8,300.00	90.00	89.71	6,600.00	8.96	1,781.95	1,781.97	0.00	0.00	0.00
8,400.00	90.00	89.71	6,600.00	9.47	1,881.95	1,881.97	0.00	0.00	0.00
8,500.00	90.00	89.71	6,600.00	9.97	1,981.95	1,981.97	0.00	0.00	0.00
8,600.00	90.00	89.71	6,600.00	10.47	2,081.95	2,081.97	0.00	0.00	0.00
8,700.00	90.00	89.71	6,600.00	10.97	2,181.94	2,181.97	0.00	0.00	0.00
8,800.00	90.00	89.71	6,600.00	11.48	2,281.94	2,281.97	0.00	0.00	0.00
8,900.00	90.00	89.71	6,600.00	11.98	2,381.94	2,381.97	0.00	0.00	0.00
9,000.00	90.00	89.71	6,600.00	12.48	2,481.94	2,481.97	0.00	0.00	0.00
9,100.00	90.00	89.71	6,600.00	12.99	2,581.94	2,581.97	0.00	0.00	0.00
9,200.00	90.00	89.71	6,600.00	13.49	2,681.94	2,681.97	0.00	0.00	0.00
9,300.00	90.00	89.71	6,600.00	13.99	2,781.94	2,781.97	0.00	0.00	0.00
9,400.00	90.00	89.71	6,600.00	14.50	2,881.94	2,881.97	0.00	0.00	0.00
9,500.00	90.00	89.71	6,600.00	15.00	2,981.93	2,981.97	0.00	0.00	0.00
9,600.00	90.00	89.71	6,600.00	15.50	3,081.93	3,081.97	0.00	0.00	0.00
9,700.00	90.00	89.71	6,600.00	16.00	3,181.93	3,181.97	0.00	0.00	0.00
9,800.00	90.00	89.71	6,600.00	16.51	3,281.93	3,281.97	0.00	0.00	0.00
9,900.00	90.00	89.71	6,600.00	17.01	3,381.93	3,381.97	0.00	0.00	0.00
10,000.00	90.00	89.71	6,600.00	17.51	3,481.93	3,481.97	0.00	0.00	0.00



Black Viper Energy

Survey Report



Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Crow Flats 16 State Com #3H
Well: Crow Flats 16 State #3H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Site Crow Flats 16 State Com #3H
TVD Reference: WELL @ 3549 00ft (Original Well Elev)
MD Reference: WELL @ 3549.00ft (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)
10,100.00	90.00	89.71	6,600.00	18.02	3,581.93	3,581.97	0.00	0.00	0.00
10,200.00	90.00	89.71	6,600.00	18.52	3,681.93	3,681.97	0.00	0.00	0.00
10,300.00	90.00	89.71	6,600.00	19.02	3,781.92	3,781.97	0.00	0.00	0.00
10,400.00	90.00	89.71	6,600.00	19.53	3,881.92	3,881.97	0.00	0.00	0.00
10,500.00	90.00	89.71	6,600.00	20.03	3,981.92	3,981.97	0.00	0.00	0.00
10,600.00	90.00	89.71	6,600.00	20.53	4,081.92	4,081.97	0.00	0.00	0.00
10,700.00	90.00	89.71	6,600.00	21.03	4,181.92	4,181.97	0.00	0.00	0.00
10,800.00	90.00	89.71	6,600.00	21.54	4,281.92	4,281.97	0.00	0.00	0.00
10,900.00	90.00	89.71	6,600.00	22.04	4,381.92	4,381.97	0.00	0.00	0.00
11,000.00	90.00	89.71	6,600.00	22.54	4,481.92	4,481.97	0.00	0.00	0.00
11,076.66	90.00	89.71	6,600.00	22.93	4,558.58	4,558.64	0.00	0.00	0.00

PBHL#1[CF16S#3H]

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
PBHL#1[CF16S#3H]	- plan hits target	- Point	0.00	0.09	6,600.00	22.93	4,558.58	698,769.98	590,399.28	32° 55' 14.976 N	104° 10' 24.416 W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	5,340.00	Abo Shale		0.00	359.95
6,503.85	6,500.00	Lower Abo Dolomite		0.00	359.95
	6,620.00	Wolfcamp		0.00	359.95

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	+N/-S (ft)	+E/-W (ft)	Comment
6,409.01	6,409.01		0.00	0.00	KOP - Build 30.0° / 100
6,709.01	6,600.00		0.96	190.98	EOC - Hold 90.0° Inc. : 89.71° Azi.

Checked By: _____ Approved By: _____ Date: _____

Crow Flats 16 State #3H Lateral Plan #1 Report 9-4-07
Cimarex Energy Co., Inc.
Crow Flats 16 State #3H - Plan #1

Eddy Co., New Mexico
Crow Flats 16 State Com #3H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6410.00 0.00	0.296	89.712	6410.00	0.00 N	0.00 E	0.00
6420.00 30.00	3.296	89.712	6419.99	0.00 N	0.32 E	0.32
6430.00 30.00	6.296	89.712	6429.96	0.01 N	1.15 E	1.15
6440.00 30.00	9.296	89.712	6439.86	0.01 N	2.51 E	2.51
6450.00 30.00	12.296	89.712	6449.69	0.02 N	4.38 E	4.38
6460.00 30.00	15.296	89.712	6459.40	0.03 N	6.77 E	6.77
6470.00 30.00	18.296	89.712	6468.97	0.05 N	9.65 E	9.65
6480.00 30.00	21.296	89.712	6478.38	0.07 N	13.04 E	13.04
6490.00 30.00	24.296	89.712	6487.59	0.09 N	16.91 E	16.92
6500.00 30.00	27.296	89.712	6496.60	0.11 N	21.27 E	21.27
6510.00 30.00	30.296	89.712	6505.36	0.13 N	26.08 E	26.08
6520.00 30.00	33.296	89.712	6513.86	0.16 N	31.35 E	31.35
6530.00 30.00	36.296	89.712	6522.07	0.19 N	37.06 E	37.06
6540.00 30.00	39.296	89.712	6529.97	0.22 N	43.18 E	43.18
6550.00 30.00	42.296	89.712	6537.54	0.25 N	49.72 E	49.72
6560.00 30.00	45.296	89.712	6544.76	0.28 N	56.64 E	56.64
6570.00 30.00	48.296	89.712	6551.60	0.32 N	63.93 E	63.93
6580.00 30.00	51.296	89.712	6558.06	0.36 N	71.56 E	71.56
6590.00 30.00	54.296	89.712	6564.10	0.40 N	79.53 E	79.53
6600.00 30.00	57.296	89.712	6569.72	0.44 N	87.79 E	87.80
6610.00 30.00	60.296	89.712	6574.90	0.48 N	96.35 E	96.35
6620.00 30.00	63.296	89.712	6579.63	0.53 N	105.16 E	105.16
6630.00 30.00	66.296	89.712	6583.89	0.57 N	114.21 E	114.21
6640.00 30.00	69.296	89.712	6587.67	0.62 N	123.46 E	123.46
6650.00 30.00	72.296	89.712	6590.95	0.67 N	132.90 E	132.91

	Crow	Flats 16	State #3H	Lateral	Plan #1	Report 9-4-07	
6660.00	75.296	89.712	6593.74	0.72 N	142.51 E	142.51	
30.00							
6670.00	78.296	89.712	6596.03	0.77 N	152.24 E	152.24	
30.00							
6680.00	81.296	89.712	6597.80	0.82 N	162.08 E	162.08	
30.00							
6690.00	84.296	89.712	6599.05	0.87 N	172.00 E	172.00	
30.00							
6700.00	87.296	89.712	6599.79	0.92 N	181.97 E	181.98	
30.00							
6710.00	90.000	89.712	6600.00	0.97 N	191.97 E	191.97	
27.04							
6720.00	90.000	89.712	6600.00	1.02 N	201.97 E	201.97	
0.00							
6730.00	90.000	89.712	6600.00	1.07 N	211.97 E	211.97	
0.00							
6740.00	90.000	89.712	6600.00	1.12 N	221.97 E	221.97	
0.00							
6750.00	90.000	89.712	6600.00	1.17 N	231.97 E	231.97	
0.00							
6760.00	90.000	89.712	6600.00	1.22 N	241.97 E	241.97	
0.00							
6770.00	90.000	89.712	6600.00	1.27 N	251.97 E	251.97	
0.00							
6780.00	90.000	89.712	6600.00	1.32 N	261.97 E	261.97	
0.00							
6790.00	90.000	89.712	6600.00	1.37 N	271.97 E	271.97	
0.00							
6800.00	90.000	89.712	6600.00	1.42 N	281.97 E	281.97	
0.00							
6810.00	90.000	89.712	6600.00	1.47 N	291.97 E	291.97	
0.00							
6820.00	90.000	89.712	6600.00	1.52 N	301.97 E	301.97	
0.00							
6830.00	90.000	89.712	6600.00	1.57 N	311.97 E	311.97	
0.00							
6840.00	90.000	89.712	6600.00	1.62 N	321.97 E	321.97	
0.00							
6850.00	90.000	89.712	6600.00	1.67 N	331.97 E	331.97	
0.00							
6860.00	90.000	89.712	6600.00	1.72 N	341.97 E	341.97	
0.00							
6870.00	90.000	89.712	6600.00	1.77 N	351.97 E	351.97	
0.00							
6880.00	90.000	89.712	6600.00	1.82 N	361.97 E	361.97	
0.00							
6890.00	90.000	89.712	6600.00	1.87 N	371.97 E	371.97	
0.00							
6900.00	90.000	89.712	6600.00	1.92 N	381.97 E	381.97	
0.00							
6910.00	90.000	89.712	6600.00	1.97 N	391.97 E	391.97	
0.00							
6920.00	90.000	89.712	6600.00	2.02 N	401.97 E	401.97	
0.00							
6930.00	90.000	89.712	6600.00	2.07 N	411.97 E	411.97	
0.00							
6940.00	90.000	89.712	6600.00	2.12 N	421.97 E	421.97	
0.00							
6950.00	90.000	89.712	6600.00	2.17 N	431.97 E	431.97	
0.00							
6960.00	90.000	89.712	6600.00	2.22 N	441.97 E	441.97	
0.00							
6970.00	90.000	89.712	6600.00	2.27 N	451.97 E	451.97	

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0.00						
6980.00	90.000	89.712	6600.00	2.32 N	461.97 E	461.97
0.00						
6990.00	90.000	89.712	6600.00	2.37 N	471.97 E	471.97
0.00						
7000.00	90.000	89.712	6600.00	2.42 N	481.97 E	481.97
0.00						
7010.00	90.000	89.712	6600.00	2.47 N	491.97 E	491.97
0.00						
7020.00	90.000	89.712	6600.00	2.52 N	501.97 E	501.97
0.00						
7030.00	90.000	89.712	6600.00	2.58 N	511.97 E	511.97
0.00						
7040.00	90.000	89.712	6600.00	2.63 N	521.97 E	521.97
0.00						
7050.00	90.000	89.712	6600.00	2.68 N	531.97 E	531.97
0.00						
7060.00	90.000	89.712	6600.00	2.73 N	541.97 E	541.97
0.00						
7070.00	90.000	89.712	6600.00	2.78 N	551.97 E	551.97
0.00						
7080.00	90.000	89.712	6600.00	2.83 N	561.96 E	561.97
0.00						
7090.00	90.000	89.712	6600.00	2.88 N	571.96 E	571.97
0.00						
7100.00	90.000	89.712	6600.00	2.93 N	581.96 E	581.97
0.00						
7110.00	90.000	89.712	6600.00	2.98 N	591.96 E	591.97
0.00						
7120.00	90.000	89.712	6600.00	3.03 N	601.96 E	601.97
0.00						
7130.00	90.000	89.712	6600.00	3.08 N	611.96 E	611.97
0.00						
7140.00	90.000	89.712	6600.00	3.13 N	621.96 E	621.97
0.00						
7150.00	90.000	89.712	6600.00	3.18 N	631.96 E	631.97
0.00						
7160.00	90.000	89.712	6600.00	3.23 N	641.96 E	641.97
0.00						
7170.00	90.000	89.712	6600.00	3.28 N	651.96 E	651.97
0.00						
7180.00	90.000	89.712	6600.00	3.33 N	661.96 E	661.97
0.00						
7190.00	90.000	89.712	6600.00	3.38 N	671.96 E	671.97
0.00						
7200.00	90.000	89.712	6600.00	3.43 N	681.96 E	681.97
0.00						
7210.00	90.000	89.712	6600.00	3.48 N	691.96 E	691.97
0.00						
7220.00	90.000	89.712	6600.00	3.53 N	701.96 E	701.97
0.00						
7230.00	90.000	89.712	6600.00	3.58 N	711.96 E	711.97
0.00						
7240.00	90.000	89.712	6600.00	3.63 N	721.96 E	721.97
0.00						
7250.00	90.000	89.712	6600.00	3.68 N	731.96 E	731.97
0.00						
7260.00	90.000	89.712	6600.00	3.73 N	741.96 E	741.97
0.00						
7270.00	90.000	89.712	6600.00	3.78 N	751.96 E	751.97
0.00						
7280.00	90.000	89.712	6600.00	3.83 N	761.96 E	761.97
0.00						

	Crow	Flats 16	State #3H	Lateral	Plan #1	Report 9-4-07	
7290.00	90.000	89.712	6600.00	3.88	N	771.96 E	771.97
0.00							
7300.00	90.000	89.712	6600.00	3.93	N	781.96 E	781.97
0.00							
7310.00	90.000	89.712	6600.00	3.98	N	791.96 E	791.97
0.00							
7320.00	90.000	89.712	6600.00	4.03	N	801.96 E	801.97
0.00							
7330.00	90.000	89.712	6600.00	4.08	N	811.96 E	811.97
0.00							
7340.00	90.000	89.712	6600.00	4.13	N	821.96 E	821.97
0.00							
7350.00	90.000	89.712	6600.00	4.18	N	831.96 E	831.97
0.00							
7360.00	90.000	89.712	6600.00	4.23	N	841.96 E	841.97
0.00							
7370.00	90.000	89.712	6600.00	4.29	N	851.96 E	851.97
0.00							
7380.00	90.000	89.712	6600.00	4.34	N	861.96 E	861.97
0.00							
7390.00	90.000	89.712	6600.00	4.39	N	871.96 E	871.97
0.00							
7400.00	90.000	89.712	6600.00	4.44	N	881.96 E	881.97
0.00							
7410.00	90.000	89.712	6600.00	4.49	N	891.96 E	891.97
0.00							
7420.00	90.000	89.712	6600.00	4.54	N	901.96 E	901.97
0.00							
7430.00	90.000	89.712	6600.00	4.59	N	911.96 E	911.97
0.00							
7440.00	90.000	89.712	6600.00	4.64	N	921.96 E	921.97
0.00							
7450.00	90.000	89.712	6600.00	4.69	N	931.96 E	931.97
0.00							
7460.00	90.000	89.712	6600.00	4.74	N	941.96 E	941.97
0.00							
7470.00	90.000	89.712	6600.00	4.79	N	951.96 E	951.97
0.00							
7480.00	90.000	89.712	6600.00	4.84	N	961.96 E	961.97
0.00							
7490.00	90.000	89.712	6600.00	4.89	N	971.96 E	971.97
0.00							
7500.00	90.000	89.712	6600.00	4.94	N	981.96 E	981.97
0.00							
7510.00	90.000	89.712	6600.00	4.99	N	991.96 E	991.97
0.00							
7520.00	90.000	89.712	6600.00	5.04	N	1001.96 E	1001.97
0.00							
7530.00	90.000	89.712	6600.00	5.09	N	1011.96 E	1011.97
0.00							
7540.00	90.000	89.712	6600.00	5.14	N	1021.96 E	1021.97
0.00							
7550.00	90.000	89.712	6600.00	5.19	N	1031.96 E	1031.97
0.00							
7560.00	90.000	89.712	6600.00	5.24	N	1041.96 E	1041.97
0.00							
7570.00	90.000	89.712	6600.00	5.29	N	1051.96 E	1051.97
0.00							
7580.00	90.000	89.712	6600.00	5.34	N	1061.96 E	1061.97
0.00							
7590.00	90.000	89.712	6600.00	5.39	N	1071.96 E	1071.97
0.00							
7600.00	90.000	89.712	6600.00	5.44	N	1081.96 E	1081.97

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0.00						
7610.00	90.000	89.712	6600.00	5.49 N	1091.96 E	1091.97
0.00						
7620.00	90.000	89.712	6600.00	5.54 N	1101.96 E	1101.97
0.00						
7630.00	90.000	89.712	6600.00	5.59 N	1111.96 E	1111.97
0.00						
7640.00	90.000	89.712	6600.00	5.64 N	1121.96 E	1121.97
0.00						
7650.00	90.000	89.712	6600.00	5.69 N	1131.96 E	1131.97
0.00						
7660.00	90.000	89.712	6600.00	5.74 N	1141.96 E	1141.97
0.00						
7670.00	90.000	89.712	6600.00	5.79 N	1151.96 E	1151.97
0.00						
7680.00	90.000	89.712	6600.00	5.84 N	1161.96 E	1161.97
0.00						
7690.00	90.000	89.712	6600.00	5.89 N	1171.96 E	1171.97
0.00						
7700.00	90.000	89.712	6600.00	5.94 N	1181.96 E	1181.97
0.00						
7710.00	90.000	89.712	6600.00	6.00 N	1191.96 E	1191.97
0.00						
7720.00	90.000	89.712	6600.00	6.05 N	1201.96 E	1201.97
0.00						
7730.00	90.000	89.712	6600.00	6.10 N	1211.96 E	1211.97
0.00						
7740.00	90.000	89.712	6600.00	6.15 N	1221.96 E	1221.97
0.00						
7750.00	90.000	89.712	6600.00	6.20 N	1231.96 E	1231.97
0.00						
7760.00	90.000	89.712	6600.00	6.25 N	1241.96 E	1241.97
0.00						
7770.00	90.000	89.712	6600.00	6.30 N	1251.96 E	1251.97
0.00						
7780.00	90.000	89.712	6600.00	6.35 N	1261.96 E	1261.97
0.00						
7790.00	90.000	89.712	6600.00	6.40 N	1271.96 E	1271.97
0.00						
7800.00	90.000	89.712	6600.00	6.45 N	1281.96 E	1281.97
0.00						
7810.00	90.000	89.712	6600.00	6.50 N	1291.96 E	1291.97
0.00						
7820.00	90.000	89.712	6600.00	6.55 N	1301.96 E	1301.97
0.00						
7830.00	90.000	89.712	6600.00	6.60 N	1311.96 E	1311.97
0.00						
7840.00	90.000	89.712	6600.00	6.65 N	1321.96 E	1321.97
0.00						
7850.00	90.000	89.712	6600.00	6.70 N	1331.96 E	1331.97
0.00						
7860.00	90.000	89.712	6600.00	6.75 N	1341.96 E	1341.97
0.00						
7870.00	90.000	89.712	6600.00	6.80 N	1351.95 E	1351.97
0.00						
7880.00	90.000	89.712	6600.00	6.85 N	1361.95 E	1361.97
0.00						
7890.00	90.000	89.712	6600.00	6.90 N	1371.95 E	1371.97
0.00						
7900.00	90.000	89.712	6600.00	6.95 N	1381.95 E	1381.97
0.00						
7910.00	90.000	89.712	6600.00	7.00 N	1391.95 E	1391.97
0.00						

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7920.00	90.000	89.712	6600.00	7.05 N	1401.95 E	1401.97	
0.00							
7930.00	90.000	89.712	6600.00	7.10 N	1411.95 E	1411.97	
0.00							
7940.00	90.000	89.712	6600.00	7.15 N	1421.95 E	1421.97	
0.00							
7950.00	90.000	89.712	6600.00	7.20 N	1431.95 E	1431.97	
0.00							
7960.00	90.000	89.712	6600.00	7.25 N	1441.95 E	1441.97	
0.00							
7970.00	90.000	89.712	6600.00	7.30 N	1451.95 E	1451.97	
0.00							
7980.00	90.000	89.712	6600.00	7.35 N	1461.95 E	1461.97	
0.00							
7990.00	90.000	89.712	6600.00	7.40 N	1471.95 E	1471.97	
0.00							
8000.00	90.000	89.712	6600.00	7.45 N	1481.95 E	1481.97	
0.00							
8010.00	90.000	89.712	6600.00	7.50 N	1491.95 E	1491.97	
0.00							
8020.00	90.000	89.712	6600.00	7.55 N	1501.95 E	1501.97	
0.00							
8030.00	90.000	89.712	6600.00	7.60 N	1511.95 E	1511.97	
0.00							
8040.00	90.000	89.712	6600.00	7.66 N	1521.95 E	1521.97	
0.00							
8050.00	90.000	89.712	6600.00	7.71 N	1531.95 E	1531.97	
0.00							
8060.00	90.000	89.712	6600.00	7.76 N	1541.95 E	1541.97	
0.00							
8070.00	90.000	89.712	6600.00	7.81 N	1551.95 E	1551.97	
0.00							
8080.00	90.000	89.712	6600.00	7.86 N	1561.95 E	1561.97	
0.00							
8090.00	90.000	89.712	6600.00	7.91 N	1571.95 E	1571.97	
0.00							
8100.00	90.000	89.712	6600.00	7.96 N	1581.95 E	1581.97	
0.00							
8110.00	90.000	89.712	6600.00	8.01 N	1591.95 E	1591.97	
0.00							
8120.00	90.000	89.712	6600.00	8.06 N	1601.95 E	1601.97	
0.00							
8130.00	90.000	89.712	6600.00	8.11 N	1611.95 E	1611.97	
0.00							
8140.00	90.000	89.712	6600.00	8.16 N	1621.95 E	1621.97	
0.00							
8150.00	90.000	89.712	6600.00	8.21 N	1631.95 E	1631.97	
0.00							
8160.00	90.000	89.712	6600.00	8.26 N	1641.95 E	1641.97	
0.00							
8170.00	90.000	89.712	6600.00	8.31 N	1651.95 E	1651.97	
0.00							
8180.00	90.000	89.712	6600.00	8.36 N	1661.95 E	1661.97	
0.00							
8190.00	90.000	89.712	6600.00	8.41 N	1671.95 E	1671.97	
0.00							
8200.00	90.000	89.712	6600.00	8.46 N	1681.95 E	1681.97	
0.00							
8210.00	90.000	89.712	6600.00	8.51 N	1691.95 E	1691.97	
0.00							
8220.00	90.000	89.712	6600.00	8.56 N	1701.95 E	1701.97	
0.00							
8230.00	90.000	89.712	6600.00	8.61 N	1711.95 E	1711.97	

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0.00						
8240.00	90.000	89.712	6600.00	8.66 N	1721.95 E	1721.97
0.00						
8250.00	90.000	89.712	6600.00	8.71 N	1731.95 E	1731.97
0.00						
8260.00	90.000	89.712	6600.00	8.76 N	1741.95 E	1741.97
0.00						
8270.00	90.000	89.712	6600.00	8.81 N	1751.95 E	1751.97
0.00						
8280.00	90.000	89.712	6600.00	8.86 N	1761.95 E	1761.97
0.00						
8290.00	90.000	89.712	6600.00	8.91 N	1771.95 E	1771.97
0.00						
8300.00	90.000	89.712	6600.00	8.96 N	1781.95 E	1781.97
0.00						
8310.00	90.000	89.712	6600.00	9.01 N	1791.95 E	1791.97
0.00						
8320.00	90.000	89.712	6600.00	9.06 N	1801.95 E	1801.97
0.00						
8330.00	90.000	89.712	6600.00	9.11 N	1811.95 E	1811.97
0.00						
8340.00	90.000	89.712	6600.00	9.16 N	1821.95 E	1821.97
0.00						
8350.00	90.000	89.712	6600.00	9.21 N	1831.95 E	1831.97
0.00						
8360.00	90.000	89.712	6600.00	9.26 N	1841.95 E	1841.97
0.00						
8370.00	90.000	89.712	6600.00	9.31 N	1851.95 E	1851.97
0.00						
8380.00	90.000	89.712	6600.00	9.37 N	1861.95 E	1861.97
0.00						
8390.00	90.000	89.712	6600.00	9.42 N	1871.95 E	1871.97
0.00						
8400.00	90.000	89.712	6600.00	9.47 N	1881.95 E	1881.97
0.00						
8410.00	90.000	89.712	6600.00	9.52 N	1891.95 E	1891.97
0.00						
8420.00	90.000	89.712	6600.00	9.57 N	1901.95 E	1901.97
0.00						
8430.00	90.000	89.712	6600.00	9.62 N	1911.95 E	1911.97
0.00						
8440.00	90.000	89.712	6600.00	9.67 N	1921.95 E	1921.97
0.00						
8450.00	90.000	89.712	6600.00	9.72 N	1931.95 E	1931.97
0.00						
8460.00	90.000	89.712	6600.00	9.77 N	1941.95 E	1941.97
0.00						
8470.00	90.000	89.712	6600.00	9.82 N	1951.95 E	1951.97
0.00						
8480.00	90.000	89.712	6600.00	9.87 N	1961.95 E	1961.97
0.00						
8490.00	90.000	89.712	6600.00	9.92 N	1971.95 E	1971.97
0.00						
8500.00	90.000	89.712	6600.00	9.97 N	1981.95 E	1981.97
0.00						
8510.00	90.000	89.712	6600.00	10.02 N	1991.95 E	1991.97
0.00						
8520.00	90.000	89.712	6600.00	10.07 N	2001.95 E	2001.97
0.00						
8530.00	90.000	89.712	6600.00	10.12 N	2011.95 E	2011.97
0.00						
8540.00	90.000	89.712	6600.00	10.17 N	2021.95 E	2021.97
0.00						

	Crow	Flats 16	State #3H	Lateral	Plan #1	Report 9-4-07	
8550.00	90.000	89.712	6600.00	10.22	N	2031.95 E	2031.97
0.00							
8560.00	90.000	89.712	6600.00	10.27	N	2041.95 E	2041.97
0.00							
8570.00	90.000	89.712	6600.00	10.32	N	2051.95 E	2051.97
0.00							
8580.00	90.000	89.712	6600.00	10.37	N	2061.95 E	2061.97
0.00							
8590.00	90.000	89.712	6600.00	10.42	N	2071.95 E	2071.97
0.00							
8600.00	90.000	89.712	6600.00	10.47	N	2081.95 E	2081.97
0.00							
8610.00	90.000	89.712	6600.00	10.52	N	2091.95 E	2091.97
0.00							
8620.00	90.000	89.712	6600.00	10.57	N	2101.95 E	2101.97
0.00							
8630.00	90.000	89.712	6600.00	10.62	N	2111.95 E	2111.97
0.00							
8640.00	90.000	89.712	6600.00	10.67	N	2121.95 E	2121.97
0.00							
8650.00	90.000	89.712	6600.00	10.72	N	2131.95 E	2131.97
0.00							
8660.00	90.000	89.712	6600.00	10.77	N	2141.94 E	2141.97
0.00							
8670.00	90.000	89.712	6600.00	10.82	N	2151.94 E	2151.97
0.00							
8680.00	90.000	89.712	6600.00	10.87	N	2161.94 E	2161.97
0.00							
8690.00	90.000	89.712	6600.00	10.92	N	2171.94 E	2171.97
0.00							
8700.00	90.000	89.712	6600.00	10.97	N	2181.94 E	2181.97
0.00							
8710.00	90.000	89.712	6600.00	11.02	N	2191.94 E	2191.97
0.00							
8720.00	90.000	89.712	6600.00	11.08	N	2201.94 E	2201.97
0.00							
8730.00	90.000	89.712	6600.00	11.13	N	2211.94 E	2211.97
0.00							
8740.00	90.000	89.712	6600.00	11.18	N	2221.94 E	2221.97
0.00							
8750.00	90.000	89.712	6600.00	11.23	N	2231.94 E	2231.97
0.00							
8760.00	90.000	89.712	6600.00	11.28	N	2241.94 E	2241.97
0.00							
8770.00	90.000	89.712	6600.00	11.33	N	2251.94 E	2251.97
0.00							
8780.00	90.000	89.712	6600.00	11.38	N	2261.94 E	2261.97
0.00							
8790.00	90.000	89.712	6600.00	11.43	N	2271.94 E	2271.97
0.00							
8800.00	90.000	89.712	6600.00	11.48	N	2281.94 E	2281.97
0.00							
8810.00	90.000	89.712	6600.00	11.53	N	2291.94 E	2291.97
0.00							
8820.00	90.000	89.712	6600.00	11.58	N	2301.94 E	2301.97
0.00							
8830.00	90.000	89.712	6600.00	11.63	N	2311.94 E	2311.97
0.00							
8840.00	90.000	89.712	6600.00	11.68	N	2321.94 E	2321.97
0.00							
8850.00	90.000	89.712	6600.00	11.73	N	2331.94 E	2331.97
0.00							
8860.00	90.000	89.712	6600.00	11.78	N	2341.94 E	2341.97

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0.00						
8870.00	90.000	89.712	6600.00	11.83 N	2351.94 E	2351.97
0.00						
8880.00	90.000	89.712	6600.00	11.88 N	2361.94 E	2361.97
0.00						
8890.00	90.000	89.712	6600.00	11.93 N	2371.94 E	2371.97
0.00						
8900.00	90.000	89.712	6600.00	11.98 N	2381.94 E	2381.97
0.00						
8910.00	90.000	89.712	6600.00	12.03 N	2391.94 E	2391.97
0.00						
8920.00	90.000	89.712	6600.00	12.08 N	2401.94 E	2401.97
0.00						
8930.00	90.000	89.712	6600.00	12.13 N	2411.94 E	2411.97
0.00						
8940.00	90.000	89.712	6600.00	12.18 N	2421.94 E	2421.97
0.00						
8950.00	90.000	89.712	6600.00	12.23 N	2431.94 E	2431.97
0.00						
8960.00	90.000	89.712	6600.00	12.28 N	2441.94 E	2441.97
0.00						
8970.00	90.000	89.712	6600.00	12.33 N	2451.94 E	2451.97
0.00						
8980.00	90.000	89.712	6600.00	12.38 N	2461.94 E	2461.97
0.00						
8990.00	90.000	89.712	6600.00	12.43 N	2471.94 E	2471.97
0.00						
9000.00	90.000	89.712	6600.00	12.48 N	2481.94 E	2481.97
0.00						
9010.00	90.000	89.712	6600.00	12.53 N	2491.94 E	2491.97
0.00						
9020.00	90.000	89.712	6600.00	12.58 N	2501.94 E	2501.97
0.00						
9030.00	90.000	89.712	6600.00	12.63 N	2511.94 E	2511.97
0.00						
9040.00	90.000	89.712	6600.00	12.68 N	2521.94 E	2521.97
0.00						
9050.00	90.000	89.712	6600.00	12.73 N	2531.94 E	2531.97
0.00						
9060.00	90.000	89.712	6600.00	12.79 N	2541.94 E	2541.97
0.00						
9070.00	90.000	89.712	6600.00	12.84 N	2551.94 E	2551.97
0.00						
9080.00	90.000	89.712	6600.00	12.89 N	2561.94 E	2561.97
0.00						
9090.00	90.000	89.712	6600.00	12.94 N	2571.94 E	2571.97
0.00						
9100.00	90.000	89.712	6600.00	12.99 N	2581.94 E	2581.97
0.00						
9110.00	90.000	89.712	6600.00	13.04 N	2591.94 E	2591.97
0.00						
9120.00	90.000	89.712	6600.00	13.09 N	2601.94 E	2601.97
0.00						
9130.00	90.000	89.712	6600.00	13.14 N	2611.94 E	2611.97
0.00						
9140.00	90.000	89.712	6600.00	13.19 N	2621.94 E	2621.97
0.00						
9150.00	90.000	89.712	6600.00	13.24 N	2631.94 E	2631.97
0.00						
9160.00	90.000	89.712	6600.00	13.29 N	2641.94 E	2641.97
0.00						
9170.00	90.000	89.712	6600.00	13.34 N	2651.94 E	2651.97
0.00						

	Crow	Flats 16	State #3H	Lateral	Plan #1	Report 9-4-07	
9180.00	90.000	89.712	6600.00	13.39	N	2661.94 E	2661.97
0.00							
9190.00	90.000	89.712	6600.00	13.44	N	2671.94 E	2671.97
0.00							
9200.00	90.000	89.712	6600.00	13.49	N	2681.94 E	2681.97
0.00							
9210.00	90.000	89.712	6600.00	13.54	N	2691.94 E	2691.97
0.00							
9220.00	90.000	89.712	6600.00	13.59	N	2701.94 E	2701.97
0.00							
9230.00	90.000	89.712	6600.00	13.64	N	2711.94 E	2711.97
0.00							
9240.00	90.000	89.712	6600.00	13.69	N	2721.94 E	2721.97
0.00							
9250.00	90.000	89.712	6600.00	13.74	N	2731.94 E	2731.97
0.00							
9260.00	90.000	89.712	6600.00	13.79	N	2741.94 E	2741.97
0.00							
9270.00	90.000	89.712	6600.00	13.84	N	2751.94 E	2751.97
0.00							
9280.00	90.000	89.712	6600.00	13.89	N	2761.94 E	2761.97
0.00							
9290.00	90.000	89.712	6600.00	13.94	N	2771.94 E	2771.97
0.00							
9300.00	90.000	89.712	6600.00	13.99	N	2781.94 E	2781.97
0.00							
9310.00	90.000	89.712	6600.00	14.04	N	2791.94 E	2791.97
0.00							
9320.00	90.000	89.712	6600.00	14.09	N	2801.94 E	2801.97
0.00							
9330.00	90.000	89.712	6600.00	14.14	N	2811.94 E	2811.97
0.00							
9340.00	90.000	89.712	6600.00	14.19	N	2821.94 E	2821.97
0.00							
9350.00	90.000	89.712	6600.00	14.24	N	2831.94 E	2831.97
0.00							
9360.00	90.000	89.712	6600.00	14.29	N	2841.94 E	2841.97
0.00							
9370.00	90.000	89.712	6600.00	14.34	N	2851.94 E	2851.97
0.00							
9380.00	90.000	89.712	6600.00	14.39	N	2861.94 E	2861.97
0.00							
9390.00	90.000	89.712	6600.00	14.45	N	2871.94 E	2871.97
0.00							
9400.00	90.000	89.712	6600.00	14.50	N	2881.94 E	2881.97
0.00							
9410.00	90.000	89.712	6600.00	14.55	N	2891.94 E	2891.97
0.00							
9420.00	90.000	89.712	6600.00	14.60	N	2901.94 E	2901.97
0.00							
9430.00	90.000	89.712	6600.00	14.65	N	2911.94 E	2911.97
0.00							
9440.00	90.000	89.712	6600.00	14.70	N	2921.94 E	2921.97
0.00							
9450.00	90.000	89.712	6600.00	14.75	N	2931.93 E	2931.97
0.00							
9460.00	90.000	89.712	6600.00	14.80	N	2941.93 E	2941.97
0.00							
9470.00	90.000	89.712	6600.00	14.85	N	2951.93 E	2951.97
0.00							
9480.00	90.000	89.712	6600.00	14.90	N	2961.93 E	2961.97
0.00							
9490.00	90.000	89.712	6600.00	14.95	N	2971.93 E	2971.97

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0.00						
9500.00	90.000	89.712	6600.00	15.00 N	2981.93 E	2981.97
0.00						
9510.00	90.000	89.712	6600.00	15.05 N	2991.93 E	2991.97
0.00						
9520.00	90.000	89.712	6600.00	15.10 N	3001.93 E	3001.97
0.00						
9530.00	90.000	89.712	6600.00	15.15 N	3011.93 E	3011.97
0.00						
9540.00	90.000	89.712	6600.00	15.20 N	3021.93 E	3021.97
0.00						
9550.00	90.000	89.712	6600.00	15.25 N	3031.93 E	3031.97
0.00						
9560.00	90.000	89.712	6600.00	15.30 N	3041.93 E	3041.97
0.00						
9570.00	90.000	89.712	6600.00	15.35 N	3051.93 E	3051.97
0.00						
9580.00	90.000	89.712	6600.00	15.40 N	3061.93 E	3061.97
0.00						
9590.00	90.000	89.712	6600.00	15.45 N	3071.93 E	3071.97
0.00						
9600.00	90.000	89.712	6600.00	15.50 N	3081.93 E	3081.97
0.00						
9610.00	90.000	89.712	6600.00	15.55 N	3091.93 E	3091.97
0.00						
9620.00	90.000	89.712	6600.00	15.60 N	3101.93 E	3101.97
0.00						
9630.00	90.000	89.712	6600.00	15.65 N	3111.93 E	3111.97
0.00						
9640.00	90.000	89.712	6600.00	15.70 N	3121.93 E	3121.97
0.00						
9650.00	90.000	89.712	6600.00	15.75 N	3131.93 E	3131.97
0.00						
9660.00	90.000	89.712	6600.00	15.80 N	3141.93 E	3141.97
0.00						
9670.00	90.000	89.712	6600.00	15.85 N	3151.93 E	3151.97
0.00						
9680.00	90.000	89.712	6600.00	15.90 N	3161.93 E	3161.97
0.00						
9690.00	90.000	89.712	6600.00	15.95 N	3171.93 E	3171.97
0.00						
9700.00	90.000	89.712	6600.00	16.00 N	3181.93 E	3181.97
0.00						
9710.00	90.000	89.712	6600.00	16.05 N	3191.93 E	3191.97
0.00						
9720.00	90.000	89.712	6600.00	16.10 N	3201.93 E	3201.97
0.00						
9730.00	90.000	89.712	6600.00	16.16 N	3211.93 E	3211.97
0.00						
9740.00	90.000	89.712	6600.00	16.21 N	3221.93 E	3221.97
0.00						
9750.00	90.000	89.712	6600.00	16.26 N	3231.93 E	3231.97
0.00						
9760.00	90.000	89.712	6600.00	16.31 N	3241.93 E	3241.97
0.00						
9770.00	90.000	89.712	6600.00	16.36 N	3251.93 E	3251.97
0.00						
9780.00	90.000	89.712	6600.00	16.41 N	3261.93 E	3261.97
0.00						
9790.00	90.000	89.712	6600.00	16.46 N	3271.93 E	3271.97
0.00						
9800.00	90.000	89.712	6600.00	16.51 N	3281.93 E	3281.97
0.00						

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9810.00	90.000	89.712	6600.00	16.56 N	3291.93 E	3291.97
0.00						
9820.00	90.000	89.712	6600.00	16.61 N	3301.93 E	3301.97
0.00						
9830.00	90.000	89.712	6600.00	16.66 N	3311.93 E	3311.97
0.00						
9840.00	90.000	89.712	6600.00	16.71 N	3321.93 E	3321.97
0.00						
9850.00	90.000	89.712	6600.00	16.76 N	3331.93 E	3331.97
0.00						
9860.00	90.000	89.712	6600.00	16.81 N	3341.93 E	3341.97
0.00						
9870.00	90.000	89.712	6600.00	16.86 N	3351.93 E	3351.97
0.00						
9880.00	90.000	89.712	6600.00	16.91 N	3361.93 E	3361.97
0.00						
9890.00	90.000	89.712	6600.00	16.96 N	3371.93 E	3371.97
0.00						
9900.00	90.000	89.712	6600.00	17.01 N	3381.93 E	3381.97
0.00						
9910.00	90.000	89.712	6600.00	17.06 N	3391.93 E	3391.97
0.00						
9920.00	90.000	89.712	6600.00	17.11 N	3401.93 E	3401.97
0.00						
9930.00	90.000	89.712	6600.00	17.16 N	3411.93 E	3411.97
0.00						
9940.00	90.000	89.712	6600.00	17.21 N	3421.93 E	3421.97
0.00						
9950.00	90.000	89.712	6600.00	17.26 N	3431.93 E	3431.97
0.00						
9960.00	90.000	89.712	6600.00	17.31 N	3441.93 E	3441.97
0.00						
9970.00	90.000	89.712	6600.00	17.36 N	3451.93 E	3451.97
0.00						
9980.00	90.000	89.712	6600.00	17.41 N	3461.93 E	3461.97
0.00						
9990.00	90.000	89.712	6600.00	17.46 N	3471.93 E	3471.97
0.00						
10000.00	90.000	89.712	6600.00	17.51 N	3481.93 E	3481.97
0.00						
10010.00	90.000	89.712	6600.00	17.56 N	3491.93 E	3491.97
0.00						
10020.00	90.000	89.712	6600.00	17.61 N	3501.93 E	3501.97
0.00						
10030.00	90.000	89.712	6600.00	17.66 N	3511.93 E	3511.97
0.00						
10040.00	90.000	89.712	6600.00	17.71 N	3521.93 E	3521.97
0.00						
10050.00	90.000	89.712	6600.00	17.76 N	3531.93 E	3531.97
0.00						
10060.00	90.000	89.712	6600.00	17.81 N	3541.93 E	3541.97
0.00						
10070.00	90.000	89.712	6600.00	17.87 N	3551.93 E	3551.97
0.00						
10080.00	90.000	89.712	6600.00	17.92 N	3561.93 E	3561.97
0.00						
10090.00	90.000	89.712	6600.00	17.97 N	3571.93 E	3571.97
0.00						
10100.00	90.000	89.712	6600.00	18.02 N	3581.93 E	3581.97
0.00						
10110.00	90.000	89.712	6600.00	18.07 N	3591.93 E	3591.97
0.00						
10120.00	90.000	89.712	6600.00	18.12 N	3601.93 E	3601.97

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0.00							
10130.00	90.000	89.712	6600.00	18.17 N	3611.93 E	3611.97	
0.00							
10140.00	90.000	89.712	6600.00	18.22 N	3621.93 E	3621.97	
0.00							
10150.00	90.000	89.712	6600.00	18.27 N	3631.93 E	3631.97	
0.00							
10160.00	90.000	89.712	6600.00	18.32 N	3641.93 E	3641.97	
0.00							
10170.00	90.000	89.712	6600.00	18.37 N	3651.93 E	3651.97	
0.00							
10180.00	90.000	89.712	6600.00	18.42 N	3661.93 E	3661.97	
0.00							
10190.00	90.000	89.712	6600.00	18.47 N	3671.93 E	3671.97	
0.00							
10200.00	90.000	89.712	6600.00	18.52 N	3681.93 E	3681.97	
0.00							
10210.00	90.000	89.712	6600.00	18.57 N	3691.93 E	3691.97	
0.00							
10220.00	90.000	89.712	6600.00	18.62 N	3701.93 E	3701.97	
0.00							
10230.00	90.000	89.712	6600.00	18.67 N	3711.93 E	3711.97	
0.00							
10240.00	90.000	89.712	6600.00	18.72 N	3721.92 E	3721.97	
0.00							
10250.00	90.000	89.712	6600.00	18.77 N	3731.92 E	3731.97	
0.00							
10260.00	90.000	89.712	6600.00	18.82 N	3741.92 E	3741.97	
0.00							
10270.00	90.000	89.712	6600.00	18.87 N	3751.92 E	3751.97	
0.00							
10280.00	90.000	89.712	6600.00	18.92 N	3761.92 E	3761.97	
0.00							
10290.00	90.000	89.712	6600.00	18.97 N	3771.92 E	3771.97	
0.00							
10300.00	90.000	89.712	6600.00	19.02 N	3781.92 E	3781.97	
0.00							
10310.00	90.000	89.712	6600.00	19.07 N	3791.92 E	3791.97	
0.00							
10320.00	90.000	89.712	6600.00	19.12 N	3801.92 E	3801.97	
0.00							
10330.00	90.000	89.712	6600.00	19.17 N	3811.92 E	3811.97	
0.00							
10340.00	90.000	89.712	6600.00	19.22 N	3821.92 E	3821.97	
0.00							
10350.00	90.000	89.712	6600.00	19.27 N	3831.92 E	3831.97	
0.00							
10360.00	90.000	89.712	6600.00	19.32 N	3841.92 E	3841.97	
0.00							
10370.00	90.000	89.712	6600.00	19.37 N	3851.92 E	3851.97	
0.00							
10380.00	90.000	89.712	6600.00	19.42 N	3861.92 E	3861.97	
0.00							
10390.00	90.000	89.712	6600.00	19.47 N	3871.92 E	3871.97	
0.00							
10400.00	90.000	89.712	6600.00	19.53 N	3881.92 E	3881.97	
0.00							
10410.00	90.000	89.712	6600.00	19.58 N	3891.92 E	3891.97	
0.00							
10420.00	90.000	89.712	6600.00	19.63 N	3901.92 E	3901.97	
0.00							
10430.00	90.000	89.712	6600.00	19.68 N	3911.92 E	3911.97	
0.00							

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10440.00	90.000	89.712	6600.00	19.73	N	3921.92 E	3921.97
0.00							
10450.00	90.000	89.712	6600.00	19.78	N	3931.92 E	3931.97
0.00							
10460.00	90.000	89.712	6600.00	19.83	N	3941.92 E	3941.97
0.00							
10470.00	90.000	89.712	6600.00	19.88	N	3951.92 E	3951.97
0.00							
10480.00	90.000	89.712	6600.00	19.93	N	3961.92 E	3961.97
0.00							
10490.00	90.000	89.712	6600.00	19.98	N	3971.92 E	3971.97
0.00							
10500.00	90.000	89.712	6600.00	20.03	N	3981.92 E	3981.97
0.00							
10510.00	90.000	89.712	6600.00	20.08	N	3991.92 E	3991.97
0.00							
10520.00	90.000	89.712	6600.00	20.13	N	4001.92 E	4001.97
0.00							
10530.00	90.000	89.712	6600.00	20.18	N	4011.92 E	4011.97
0.00							
10540.00	90.000	89.712	6600.00	20.23	N	4021.92 E	4021.97
0.00							
10550.00	90.000	89.712	6600.00	20.28	N	4031.92 E	4031.97
0.00							
10560.00	90.000	89.712	6600.00	20.33	N	4041.92 E	4041.97
0.00							
10570.00	90.000	89.712	6600.00	20.38	N	4051.92 E	4051.97
0.00							
10580.00	90.000	89.712	6600.00	20.43	N	4061.92 E	4061.97
0.00							
10590.00	90.000	89.712	6600.00	20.48	N	4071.92 E	4071.97
0.00							
10600.00	90.000	89.712	6600.00	20.53	N	4081.92 E	4081.97
0.00							
10610.00	90.000	89.712	6600.00	20.58	N	4091.92 E	4091.97
0.00							
10620.00	90.000	89.712	6600.00	20.63	N	4101.92 E	4101.97
0.00							
10630.00	90.000	89.712	6600.00	20.68	N	4111.92 E	4111.97
0.00							
10640.00	90.000	89.712	6600.00	20.73	N	4121.92 E	4121.97
0.00							
10650.00	90.000	89.712	6600.00	20.78	N	4131.92 E	4131.97
0.00							
10660.00	90.000	89.712	6600.00	20.83	N	4141.92 E	4141.97
0.00							
10670.00	90.000	89.712	6600.00	20.88	N	4151.92 E	4151.97
0.00							
10680.00	90.000	89.712	6600.00	20.93	N	4161.92 E	4161.97
0.00							
10690.00	90.000	89.712	6600.00	20.98	N	4171.92 E	4171.97
0.00							
10700.00	90.000	89.712	6600.00	21.03	N	4181.92 E	4181.97
0.00							
10710.00	90.000	89.712	6600.00	21.08	N	4191.92 E	4191.97
0.00							
10720.00	90.000	89.712	6600.00	21.13	N	4201.92 E	4201.97
0.00							
10730.00	90.000	89.712	6600.00	21.18	N	4211.92 E	4211.97
0.00							
10740.00	90.000	89.712	6600.00	21.24	N	4221.92 E	4221.97
0.00							
10750.00	90.000	89.712	6600.00	21.29	N	4231.92 E	4231.97

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0.00							
10760.00	90.000	89.712	6600.00	21.34 N	4241.92 E	4241.97	
0.00							
10770.00	90.000	89.712	6600.00	21.39 N	4251.92 E	4251.97	
0.00							
10780.00	90.000	89.712	6600.00	21.44 N	4261.92 E	4261.97	
0.00							
10790.00	90.000	89.712	6600.00	21.49 N	4271.92 E	4271.97	
0.00							
10800.00	90.000	89.712	6600.00	21.54 N	4281.92 E	4281.97	
0.00							
10810.00	90.000	89.712	6600.00	21.59 N	4291.92 E	4291.97	
0.00							
10820.00	90.000	89.712	6600.00	21.64 N	4301.92 E	4301.97	
0.00							
10830.00	90.000	89.712	6600.00	21.69 N	4311.92 E	4311.97	
0.00							
10840.00	90.000	89.712	6600.00	21.74 N	4321.92 E	4321.97	
0.00							
10850.00	90.000	89.712	6600.00	21.79 N	4331.92 E	4331.97	
0.00							
10860.00	90.000	89.712	6600.00	21.84 N	4341.92 E	4341.97	
0.00							
10870.00	90.000	89.712	6600.00	21.89 N	4351.92 E	4351.97	
0.00							
10880.00	90.000	89.712	6600.00	21.94 N	4361.92 E	4361.97	
0.00							
10890.00	90.000	89.712	6600.00	21.99 N	4371.92 E	4371.97	
0.00							
10900.00	90.000	89.712	6600.00	22.04 N	4381.92 E	4381.97	
0.00							
10910.00	90.000	89.712	6600.00	22.09 N	4391.92 E	4391.97	
0.00							
10920.00	90.000	89.712	6600.00	22.14 N	4401.92 E	4401.97	
0.00							
10930.00	90.000	89.712	6600.00	22.19 N	4411.92 E	4411.97	
0.00							
10940.00	90.000	89.712	6600.00	22.24 N	4421.92 E	4421.97	
0.00							
10950.00	90.000	89.712	6600.00	22.29 N	4431.92 E	4431.97	
0.00							
10960.00	90.000	89.712	6600.00	22.34 N	4441.92 E	4441.97	
0.00							
10970.00	90.000	89.712	6600.00	22.39 N	4451.92 E	4451.97	
0.00							
10980.00	90.000	89.712	6600.00	22.44 N	4461.92 E	4461.97	
0.00							
10990.00	90.000	89.712	6600.00	22.49 N	4471.92 E	4471.97	
0.00							
11000.00	90.000	89.712	6600.00	22.54 N	4481.92 E	4481.97	
0.00							
11010.00	90.000	89.712	6600.00	22.59 N	4491.92 E	4491.97	
0.00							
11020.00	90.000	89.712	6600.00	22.64 N	4501.92 E	4501.97	
0.00							
11030.00	90.000	89.712	6600.00	22.69 N	4511.91 E	4511.97	
0.00							
11040.00	90.000	89.712	6600.00	22.74 N	4521.91 E	4521.97	
0.00							
11050.00	90.000	89.712	6600.00	22.79 N	4531.91 E	4531.97	
0.00							
11060.00	90.000	89.712	6600.00	22.84 N	4541.91 E	4541.97	
0.00							

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11070.00	90.000	89.712	6600.00	22.89 N	4551.91 E	4551.97
0.00						
11076.66	90.000	89.712	6600.00	22.93 N	4558.58 E	4558.64
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 89.712° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.079°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 11076.66ft., the Bottom Hole Displacement is 4558.64ft., in the Direction of 89.712° (True).