

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos 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

Form C-102
Revised October 12, 2005

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36222	Pool Code 97019	Pool Name Abo Wildcat
Property Code 35931	Property Name CROW FLATS "16" STATE COM	Well Number 4
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3586'

Surface Location

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160		P	

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

Penetration Point Abo 1980' FNL & 330' FEL 1980' 330' 4539.7' VB-0629-0001 VB-0823-0000		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. <u>Zeno Farris</u> 03-26-08 Signature Date Zeno Farris Printed Name
BOTTOM HOLE LOCATION Lat - N32°55'29.17" Long - W104°11'17.65" NMSPCE- N 700196.452 E 585858.418 (NAD-83)	SURFACE LOCATION Lat - N32°55'29.45" Long - W104°10'24.40" NMSPCE- N 700231.6 E 590398.0 (NAD-83)	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. FEBRUARY 06 2008 Date Surveyed Signature <u>Gary L. Jones</u> Professional Surveyor W.S. 1000000000 Certificate No. Gary L. Jones 7977 BASIN SURVEYS



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"

March 18, 2008

Oil Conservation Division
District II Office
1301 W. Grand Ave.
Artesia, New Mexico 88210
Attn: Ms. Kimberly Wilson

Re: Statewide Rule 118
Hydrogen Sulfide Gas Contingency Plan
Proposed Crow Flats 16 State Com No. 4 Well

Dear Ms. Wilson:

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. 4
16-16S-28E
SHL 1980' FNL & 330' FEL
BHL 1980' FNL & 330' FWL
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

Application to Drill
Cimarex Energy Co. of Colorado
Crow Flats 16 State Com No. 4
Unit H, Section 16
T16S-R28E, Eddy County, NM

- 1 Location: SHL 1980' FNL & 330' FEL
BHL 1980' FNL & 330' FWL
- 2 Elevation above sea level: 3586' GR
- 3 Geologic name of surface formation: Quaternary Alluvium Deposits
- 4 Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
- 5 Proposed drilling depth: Pilot Hole 6,750' MD 10,953' TVD 6,560'
- 6 Estimated tops of geological markers:

San Andres	1,820'
Abo Shale	5,340'
Lower Abo Dolomite	6,495'
Wolfcamp	6,620'
- 7 Possible mineral bearing formation:

Abo	Oil	Primary
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8 Proposed Mud Circulating System:

Depth			Mud Wt	Visc	Fluid Loss	Type Mud	
0'	to	330'	8.4 - 8.6	28-29	May lose circ	Fresh water gel spud mud	
330'	to	1,800'	10.0	28-29	May lose circ	Brine Water	
1,800'	to	6,750'	8.4 - 9.5	29-32	NC	Fresh water and brine, use hi-vis sweeps to keep hole clean	
0'	to	MD 10,953' TVD 6,560'	8.4 - 9.5	29-33	NC	2% KCL	

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs. Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until production casing is run and cemented.

8a. Proposed drilling Plan

Drill 8¾" hole to 6,560' (pilot hole) and cement (see page 2 - Application to Drill). Set whipstock plug @ 6,297.' Mill window from 6,299' to 6,309.' Kick off 6½" lateral @ 6,304.' Drill 6½" hole to MD 10,953' and TVD 6,560.' Install 4½" **Peak Completion Assembly**, 500' of BTC from TOL through the curve and LTC thereafter to TD. Lateral length 4,540.' Strata-Pak RSBP @ 6,197' (TOL).



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March 18, 2008

Oil Conservation Division
District II Office
1301 W. Grand Ave.
Artesia, New Mexico 88210
Attn: Ms. Kimberly Wilson

Re: Statewide Rule 118
Hydrogen Sulfide Gas Contingency Plan
Proposed Crow Flats 16 State Com No. 4 Well

Dear Ms. Wilson:

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. 4
16-16S-28E
SHL 1980' FNL & 330' FEL
BIIL 1980' FNL & 330' FWL
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,

Zeno Farris
Manager, Operations Administration

Cimarex Energy Co., Inc.

Eddy Co., New Mexico

Crows Flat "16" State Com #4H

Crows Flat "16" State Com #4H

Lateral #1

Plan: Plan #1

Standard Survey Report

29 February, 2008

Black Viper Energy

Survey Report

Company: Cimarex Energy Co, Inc	Local Co-ordinate Reference: Well Crows Flat "16" State Com #4H
Project: Eddy Co, New Mexico	TVD Reference: KB Elevation @ 3606 00ft (KB Elevation)
Site: Crows Flat "16" State Com #4H	MD Reference: KB Elevation @ 3606 00ft (KB Elevation)
Well: Crows Flat "16" State Com #4H	North Reference: True
Wellbore: Lateral #1	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003 14 Server Db

Project: Eddy Co, New Mexico	
Map System: US State Plane 1983	System Datum: Mean Sea Level
Geo Datum: North American Datum 1983	
Map Zone: New Mexico Eastern Zone	

Site: Crows Flat "16" State Com #4H			
Site Position:	Northing: 700,231 60 ft	Latitude:	32° 55' 29 439 N
From: Map	Easting: 590,398 00 ft	Longitude:	104° 10' 24 405 W
Position Uncertainty: 0 00 ft	Slot Radius: "	Grid Convergence:	0 09 °

Well: Crows Flat "16" State Com #4H			
Well Position	+N/-S 0 00 ft	Northing: 700,231 60 ft	Latitude: 32° 55' 29 439 N
	+E/-W 0 00 ft	Easting: 590,398 00 ft	Longitude: 104° 10' 24 405 W
Position Uncertainty	0 00 ft	Wellhead Elevation: 3,606 00 ft	Ground Level: 3,586 00 ft

Wellbore: Lateral #1			
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	2/29/2008	(°) 8 30
			Dip Angle (°) 60 82
			Field Strength (nT) 49,322

Design: Plan #1			
Audit Notes:			
Version:	Phase: PROTOTYPE	Tie On Depth:	6,304 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0 00	0 00	0 00
			Direction (°) 269 64

Survey Tool Program Date 2/29/2008			
From	To	Survey (Wellbore)	Tool Name
(ft) 6,304 00	(ft) 10,953 24	Plan #1 (Lateral #1)	MWD
			Description 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)	
6,304 00	0 00	0 00	6,304 00	0 00	0 00	0 00	0 00	0 00	0 00	
KOP Build 29.99° :: TFO 269.64										
6,601 20	89 14	269 64	6,495 00	-1 17	-188 16	188 17	29.99	29 99	0 00	
EOC Hold 89.14°INC :: 269.64° AZI										
6 601 33	89 14	269 64	6 495 00	-1.17	-188 29	188 29	0 00	0 00	0.00	
T Lower Abo Shale										
10,953 24	89 14	269 64	6,560 00	-28 26	-4,539 63	4,539 72	0 00	0 00	0 00	
B Lower Abo Shale										

Black Viper Energy

Survey Report

Company: Cimarex Energy Co , Inc
Project: Eddy Co , New Mexico
Site: Crows Flat "16" State Com #4H
Well: Crows Flat "16" State Com #4H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Well Crows Flat "16" State Com #4H
TVD Reference: KB Elevation @ 3606 00ft (KB Elevation)
MD Reference: KB Elevation @ 3606 00ft (KB Elevation)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 14 Server Db

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude
PBHL#1[CF16StCom#4I	- plan hits target - Point	0 00	0 00	6,560 00	-28 26	-4,539 63	700,196 45	585,858 42	32° 55' 29 156 N
Lease Line	- plan misses by 6304 00ft at 6304 00ft MD (6304 00 TVD, 0 00 N, 0 00 E) - Rectangle (sides W5,280 00 H5,199 70 D0 00)	0 00	0 00	0 00	0 00	0 00	700,231 60	590,398 00	32° 55' 29 439 N
									104° 11' 17 666 W
									104° 10' 24 405 W

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
	1,820 00	San Andres		0 00		
	5,340 00	Abo Shale		0 00		
6,601 33	6,495 00	T Lower Abo Shale		0 00		
10,953 24	6,560 00	B Lower Abo Shale		0 00		
	6,620 00	Wolf Camp		0 00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
6,304 00	6,304 00	0 00	0 00	KOP Build 29 99° TFO 269 64	
6,601 20	6,495 00	-1 17	-188 16	EOC Hold 89 14°INC 269 64° AZI	

Checked By: _____ Approved By: _____ Date: _____

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08
 Cimarex Energy Co., Inc.
 Crows Flat "16" State Com #4H - Plan #1

Eddy Co., New Mexico
 Crows Flat "16" State Com #4H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6304.00 0.00	0.000	0.000	6304.00	0.00 N	0.00 E	0.00
6310.00 29.99	1.800	269.643	6310.00	0.00 S	0.09 W	0.09
6320.00 29.99	4.799	269.643	6319.98	0.00 S	0.67 W	0.67
6330.00 29.99	7.799	269.643	6329.92	0.01 S	1.77 W	1.77
6340.00 29.99	10.798	269.643	6339.79	0.02 S	3.38 W	3.38
6350.00 29.99	13.798	269.643	6349.56	0.03 S	5.51 W	5.51
6360.00 29.99	16.797	269.643	6359.20	0.05 S	8.15 W	8.15
6370.00 29.99	19.797	269.643	6368.69	0.07 S	11.29 W	11.29
6380.00 29.99	22.796	269.643	6378.01	0.09 S	14.92 W	14.92
6390.00 29.99	25.795	269.643	6387.12	0.12 S	19.03 W	19.03
6400.00 29.99	28.795	269.643	6396.01	0.15 S	23.62 W	23.62
6410.00 29.99	31.794	269.643	6404.64	0.18 S	28.66 W	28.66
6420.00 29.99	34.794	269.643	6413.00	0.21 S	34.15 W	34.15
6430.00 29.99	37.793	269.643	6421.06	0.25 S	40.07 W	40.07
6440.00 29.99	40.793	269.643	6428.80	0.29 S	46.40 W	46.40
6450.00 29.99	43.792	269.643	6436.19	0.33 S	53.13 W	53.13
6460.00 29.99	46.792	269.643	6443.23	0.38 S	60.24 W	60.24
6470.00 29.99	49.791	269.643	6449.88	0.42 S	67.70 W	67.70
6480.00 29.99	52.791	269.643	6456.13	0.47 S	75.50 W	75.50
6490.00 29.99	55.790	269.643	6461.97	0.52 S	83.62 W	83.62
6500.00 29.99	58.790	269.643	6467.37	0.57 S	92.04 W	92.04
6510.00 29.99	61.789	269.643	6472.33	0.63 S	100.72 W	100.72
6520.00 29.99	64.789	269.643	6476.82	0.68 S	109.65 W	109.65
6530.00 29.99	67.788	269.643	6480.84	0.74 S	118.81 W	118.81
6540.00 29.99	70.788	269.643	6484.38	0.80 S	128.16 W	128.16

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08					
6550.00	73.787	269.643	6487.42	0.86 S	137.68 W	137.69
29.99						
6560.00	76.787	269.643	6489.96	0.92 S	147.35 W	147.36
29.99						
6570.00	79.786	269.643	6491.99	0.98 S	157.14 W	157.15
29.99						
6580.00	82.785	269.643	6493.51	1.04 S	167.03 W	167.03
29.99						
6590.00	85.785	269.643	6494.50	1.10 S	176.98 W	176.98
29.99						
6600.00	88.784	269.643	6494.98	1.16 S	186.96 W	186.97
29.99						
6601.20	89.144	269.643	6495.00	1.17 S	188.16 W	188.17
29.99						
6610.00	89.144	269.643	6495.13	1.23 S	196.96 W	196.97
0.00						
6620.00	89.144	269.643	6495.28	1.29 S	206.96 W	206.96
0.00						
6630.00	89.144	269.643	6495.43	1.35 S	216.96 W	216.96
0.00						
6640.00	89.144	269.643	6495.58	1.41 S	226.96 W	226.96
0.00						
6650.00	89.144	269.643	6495.73	1.48 S	236.96 W	236.96
0.00						
6660.00	89.144	269.643	6495.88	1.54 S	246.96 W	246.96
0.00						
6670.00	89.144	269.643	6496.03	1.60 S	256.95 W	256.96
0.00						
6680.00	89.144	269.643	6496.18	1.66 S	266.95 W	266.96
0.00						
6690.00	89.144	269.643	6496.32	1.72 S	276.95 W	276.96
0.00						
6700.00	89.144	269.643	6496.47	1.79 S	286.95 W	286.96
0.00						
6710.00	89.144	269.643	6496.62	1.85 S	296.95 W	296.95
0.00						
6720.00	89.144	269.643	6496.77	1.91 S	306.95 W	306.95
0.00						
6730.00	89.144	269.643	6496.92	1.97 S	316.95 W	316.95
0.00						
6740.00	89.144	269.643	6497.07	2.04 S	326.95 W	326.95
0.00						
6750.00	89.144	269.643	6497.22	2.10 S	336.94 W	336.95
0.00						
6760.00	89.144	269.643	6497.37	2.16 S	346.94 W	346.95
0.00						
6770.00	89.144	269.643	6497.52	2.22 S	356.94 W	356.95
0.00						
6780.00	89.144	269.643	6497.67	2.28 S	366.94 W	366.95
0.00						
6790.00	89.144	269.643	6497.82	2.35 S	376.94 W	376.95
0.00						
6800.00	89.144	269.643	6497.97	2.41 S	386.94 W	386.94
0.00						
6810.00	89.144	269.643	6498.12	2.47 S	396.94 W	396.94
0.00						
6820.00	89.144	269.643	6498.27	2.53 S	406.93 W	406.94
0.00						
6830.00	89.144	269.643	6498.42	2.60 S	416.93 W	416.94
0.00						
6840.00	89.144	269.643	6498.56	2.66 S	426.93 W	426.94
0.00						
6850.00	89.144	269.643	6498.71	2.72 S	436.93 W	436.94

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00						
6860.00	89.144	269.643	6498.86	2.78 S	446.93 W	446.94
0.00						
6870.00	89.144	269.643	6499.01	2.84 S	456.93 W	456.94
0.00						
6880.00	89.144	269.643	6499.16	2.91 S	466.93 W	466.94
0.00						
6890.00	89.144	269.643	6499.31	2.97 S	476.93 W	476.93
0.00						
6900.00	89.144	269.643	6499.46	3.03 S	486.92 W	486.93
0.00						
6910.00	89.144	269.643	6499.61	3.09 S	496.92 W	496.93
0.00						
6920.00	89.144	269.643	6499.76	3.16 S	506.92 W	506.93
0.00						
6930.00	89.144	269.643	6499.91	3.22 S	516.92 W	516.93
0.00						
6940.00	89.144	269.643	6500.06	3.28 S	526.92 W	526.93
0.00						
6950.00	89.144	269.643	6500.21	3.34 S	536.92 W	536.93
0.00						
6960.00	89.144	269.643	6500.36	3.40 S	546.92 W	546.93
0.00						
6970.00	89.144	269.643	6500.51	3.47 S	556.91 W	556.93
0.00						
6980.00	89.144	269.643	6500.66	3.53 S	566.91 W	566.92
0.00						
6990.00	89.144	269.643	6500.81	3.59 S	576.91 W	576.92
0.00						
7000.00	89.144	269.643	6500.95	3.65 S	586.91 W	586.92
0.00						
7010.00	89.144	269.643	6501.10	3.72 S	596.91 W	596.92
0.00						
7020.00	89.144	269.643	6501.25	3.78 S	606.91 W	606.92
0.00						
7030.00	89.144	269.643	6501.40	3.84 S	616.91 W	616.92
0.00						
7040.00	89.144	269.643	6501.55	3.90 S	626.91 W	626.92
0.00						
7050.00	89.144	269.643	6501.70	3.97 S	636.90 W	636.92
0.00						
7060.00	89.144	269.643	6501.85	4.03 S	646.90 W	646.92
0.00						
7070.00	89.144	269.643	6502.00	4.09 S	656.90 W	656.91
0.00						
7080.00	89.144	269.643	6502.15	4.15 S	666.90 W	666.91
0.00						
7090.00	89.144	269.643	6502.30	4.21 S	676.90 W	676.91
0.00						
7100.00	89.144	269.643	6502.45	4.28 S	686.90 W	686.91
0.00						
7110.00	89.144	269.643	6502.60	4.34 S	696.90 W	696.91
0.00						
7120.00	89.144	269.643	6502.75	4.40 S	706.90 W	706.91
0.00						
7130.00	89.144	269.643	6502.90	4.46 S	716.89 W	716.91
0.00						
7140.00	89.144	269.643	6503.05	4.53 S	726.89 W	726.91
0.00						
7150.00	89.144	269.643	6503.19	4.59 S	736.89 W	736.91
0.00						
7160.00	89.144	269.643	6503.34	4.65 S	746.89 W	746.90
0.00						

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08					
7170.00	89.144	269.643	6503.49	4.71 S	756.89 W	756.90
0.00						
7180.00	89.144	269.643	6503.64	4.77 S	766.89 W	766.90
0.00						
7190.00	89.144	269.643	6503.79	4.84 S	776.89 W	776.90
0.00						
7200.00	89.144	269.643	6503.94	4.90 S	786.88 W	786.90
0.00						
7210.00	89.144	269.643	6504.09	4.96 S	796.88 W	796.90
0.00						
7220.00	89.144	269.643	6504.24	5.02 S	806.88 W	806.90
0.00						
7230.00	89.144	269.643	6504.39	5.09 S	816.88 W	816.90
0.00						
7240.00	89.144	269.643	6504.54	5.15 S	826.88 W	826.90
0.00						
7250.00	89.144	269.643	6504.69	5.21 S	836.88 W	836.89
0.00						
7260.00	89.144	269.643	6504.84	5.27 S	846.88 W	846.89
0.00						
7270.00	89.144	269.643	6504.99	5.33 S	856.88 W	856.89
0.00						
7280.00	89.144	269.643	6505.14	5.40 S	866.87 W	866.89
0.00						
7290.00	89.144	269.643	6505.29	5.46 S	876.87 W	876.89
0.00						
7300.00	89.144	269.643	6505.44	5.52 S	886.87 W	886.89
0.00						
7310.00	89.144	269.643	6505.58	5.58 S	896.87 W	896.89
0.00						
7320.00	89.144	269.643	6505.73	5.65 S	906.87 W	906.89
0.00						
7330.00	89.144	269.643	6505.88	5.71 S	916.87 W	916.89
0.00						
7340.00	89.144	269.643	6506.03	5.77 S	926.87 W	926.88
0.00						
7350.00	89.144	269.643	6506.18	5.83 S	936.87 W	936.88
0.00						
7360.00	89.144	269.643	6506.33	5.89 S	946.86 W	946.88
0.00						
7370.00	89.144	269.643	6506.48	5.96 S	956.86 W	956.88
0.00						
7380.00	89.144	269.643	6506.63	6.02 S	966.86 W	966.88
0.00						
7390.00	89.144	269.643	6506.78	6.08 S	976.86 W	976.88
0.00						
7400.00	89.144	269.643	6506.93	6.14 S	986.86 W	986.88
0.00						
7410.00	89.144	269.643	6507.08	6.21 S	996.86 W	996.88
0.00						
7420.00	89.144	269.643	6507.23	6.27 S	1006.86 W	1006.88
0.00						
7430.00	89.144	269.643	6507.38	6.33 S	1016.85 W	1016.87
0.00						
7440.00	89.144	269.643	6507.53	6.39 S	1026.85 W	1026.87
0.00						
7450.00	89.144	269.643	6507.68	6.46 S	1036.85 W	1036.87
0.00						
7460.00	89.144	269.643	6507.83	6.52 S	1046.85 W	1046.87
0.00						
7470.00	89.144	269.643	6507.97	6.58 S	1056.85 W	1056.87
0.00						
7480.00	89.144	269.643	6508.12	6.64 S	1066.85 W	1066.87

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00						
7490.00	89.144	269.643	6508.27	6.70 S	1076.85 W	1076.87
0.00						
7500.00	89.144	269.643	6508.42	6.77 S	1086.85 W	1086.87
0.00						
7510.00	89.144	269.643	6508.57	6.83 S	1096.84 W	1096.87
0.00						
7520.00	89.144	269.643	6508.72	6.89 S	1106.84 W	1106.86
0.00						
7530.00	89.144	269.643	6508.87	6.95 S	1116.84 W	1116.86
0.00						
7540.00	89.144	269.643	6509.02	7.02 S	1126.84 W	1126.86
0.00						
7550.00	89.144	269.643	6509.17	7.08 S	1136.84 W	1136.86
0.00						
7560.00	89.144	269.643	6509.32	7.14 S	1146.84 W	1146.86
0.00						
7570.00	89.144	269.643	6509.47	7.20 S	1156.84 W	1156.86
0.00						
7580.00	89.144	269.643	6509.62	7.26 S	1166.84 W	1166.86
0.00						
7590.00	89.144	269.643	6509.77	7.33 S	1176.83 W	1176.86
0.00						
7600.00	89.144	269.643	6509.92	7.39 S	1186.83 W	1186.86
0.00						
7610.00	89.144	269.643	6510.07	7.45 S	1196.83 W	1196.85
0.00						
7620.00	89.144	269.643	6510.21	7.51 S	1206.83 W	1206.85
0.00						
7630.00	89.144	269.643	6510.36	7.58 S	1216.83 W	1216.85
0.00						
7640.00	89.144	269.643	6510.51	7.64 S	1226.83 W	1226.85
0.00						
7650.00	89.144	269.643	6510.66	7.70 S	1236.83 W	1236.85
0.00						
7660.00	89.144	269.643	6510.81	7.76 S	1246.82 W	1246.85
0.00						
7670.00	89.144	269.643	6510.96	7.82 S	1256.82 W	1256.85
0.00						
7680.00	89.144	269.643	6511.11	7.89 S	1266.82 W	1266.85
0.00						
7690.00	89.144	269.643	6511.26	7.95 S	1276.82 W	1276.85
0.00						
7700.00	89.144	269.643	6511.41	8.01 S	1286.82 W	1286.84
0.00						
7710.00	89.144	269.643	6511.56	8.07 S	1296.82 W	1296.84
0.00						
7720.00	89.144	269.643	6511.71	8.14 S	1306.82 W	1306.84
0.00						
7730.00	89.144	269.643	6511.86	8.20 S	1316.82 W	1316.84
0.00						
7740.00	89.144	269.643	6512.01	8.26 S	1326.81 W	1326.84
0.00						
7750.00	89.144	269.643	6512.16	8.32 S	1336.81 W	1336.84
0.00						
7760.00	89.144	269.643	6512.31	8.38 S	1346.81 W	1346.84
0.00						
7770.00	89.144	269.643	6512.46	8.45 S	1356.81 W	1356.84
0.00						
7780.00	89.144	269.643	6512.60	8.51 S	1366.81 W	1366.84
0.00						
7790.00	89.144	269.643	6512.75	8.57 S	1376.81 W	1376.83
0.00						

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08					
7800.00	89.144	269.643	6512.90	8.63 S	1386.81 W	1386.83
0.00						
7810.00	89.144	269.643	6513.05	8.70 S	1396.80 W	1396.83
0.00						
7820.00	89.144	269.643	6513.20	8.76 S	1406.80 W	1406.83
0.00						
7830.00	89.144	269.643	6513.35	8.82 S	1416.80 W	1416.83
0.00						
7840.00	89.144	269.643	6513.50	8.88 S	1426.80 W	1426.83
0.00						
7850.00	89.144	269.643	6513.65	8.94 S	1436.80 W	1436.83
0.00						
7860.00	89.144	269.643	6513.80	9.01 S	1446.80 W	1446.83
0.00						
7870.00	89.144	269.643	6513.95	9.07 S	1456.80 W	1456.83
0.00						
7880.00	89.144	269.643	6514.10	9.13 S	1466.80 W	1466.82
0.00						
7890.00	89.144	269.643	6514.25	9.19 S	1476.79 W	1476.82
0.00						
7900.00	89.144	269.643	6514.40	9.26 S	1486.79 W	1486.82
0.00						
7910.00	89.144	269.643	6514.55	9.32 S	1496.79 W	1496.82
0.00						
7920.00	89.144	269.643	6514.70	9.38 S	1506.79 W	1506.82
0.00						
7930.00	89.144	269.643	6514.85	9.44 S	1516.79 W	1516.82
0.00						
7940.00	89.144	269.643	6514.99	9.51 S	1526.79 W	1526.82
0.00						
7950.00	89.144	269.643	6515.14	9.57 S	1536.79 W	1536.82
0.00						
7960.00	89.144	269.643	6515.29	9.63 S	1546.79 W	1546.82
0.00						
7970.00	89.144	269.643	6515.44	9.69 S	1556.78 W	1556.81
0.00						
7980.00	89.144	269.643	6515.59	9.75 S	1566.78 W	1566.81
0.00						
7990.00	89.144	269.643	6515.74	9.82 S	1576.78 W	1576.81
0.00						
8000.00	89.144	269.643	6515.89	9.88 S	1586.78 W	1586.81
0.00						
8010.00	89.144	269.643	6516.04	9.94 S	1596.78 W	1596.81
0.00						
8020.00	89.144	269.643	6516.19	10.00 S	1606.78 W	1606.81
0.00						
8030.00	89.144	269.643	6516.34	10.07 S	1616.78 W	1616.81
0.00						
8040.00	89.144	269.643	6516.49	10.13 S	1626.77 W	1626.81
0.00						
8050.00	89.144	269.643	6516.64	10.19 S	1636.77 W	1636.81
0.00						
8060.00	89.144	269.643	6516.79	10.25 S	1646.77 W	1646.80
0.00						
8070.00	89.144	269.643	6516.94	10.31 S	1656.77 W	1656.80
0.00						
8080.00	89.144	269.643	6517.09	10.38 S	1666.77 W	1666.80
0.00						
8090.00	89.144	269.643	6517.23	10.44 S	1676.77 W	1676.80
0.00						
8100.00	89.144	269.643	6517.38	10.50 S	1686.77 W	1686.80
0.00						
8110.00	89.144	269.643	6517.53	10.56 S	1696.77 W	1696.80

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00						
8120.00	89.144	269.643	6517.68	10.63 S	1706.76 W	1706.80
0.00						
8130.00	89.144	269.643	6517.83	10.69 S	1716.76 W	1716.80
0.00						
8140.00	89.144	269.643	6517.98	10.75 S	1726.76 W	1726.80
0.00						
8150.00	89.144	269.643	6518.13	10.81 S	1736.76 W	1736.79
0.00						
8160.00	89.144	269.643	6518.28	10.87 S	1746.76 W	1746.79
0.00						
8170.00	89.144	269.643	6518.43	10.94 S	1756.76 W	1756.79
0.00						
8180.00	89.144	269.643	6518.58	11.00 S	1766.76 W	1766.79
0.00						
8190.00	89.144	269.643	6518.73	11.06 S	1776.76 W	1776.79
0.00						
8200.00	89.144	269.643	6518.88	11.12 S	1786.75 W	1786.79
0.00						
8210.00	89.144	269.643	6519.03	11.19 S	1796.75 W	1796.79
0.00						
8220.00	89.144	269.643	6519.18	11.25 S	1806.75 W	1806.79
0.00						
8230.00	89.144	269.643	6519.33	11.31 S	1816.75 W	1816.79
0.00						
8240.00	89.144	269.643	6519.48	11.37 S	1826.75 W	1826.78
0.00						
8250.00	89.144	269.643	6519.62	11.43 S	1836.75 W	1836.78
0.00						
8260.00	89.144	269.643	6519.77	11.50 S	1846.75 W	1846.78
0.00						
8270.00	89.144	269.643	6519.92	11.56 S	1856.74 W	1856.78
0.00						
8280.00	89.144	269.643	6520.07	11.62 S	1866.74 W	1866.78
0.00						
8290.00	89.144	269.643	6520.22	11.68 S	1876.74 W	1876.78
0.00						
8300.00	89.144	269.643	6520.37	11.75 S	1886.74 W	1886.78
0.00						
8310.00	89.144	269.643	6520.52	11.81 S	1896.74 W	1896.78
0.00						
8320.00	89.144	269.643	6520.67	11.87 S	1906.74 W	1906.78
0.00						
8330.00	89.144	269.643	6520.82	11.93 S	1916.74 W	1916.77
0.00						
8340.00	89.144	269.643	6520.97	12.00 S	1926.74 W	1926.77
0.00						
8350.00	89.144	269.643	6521.12	12.06 S	1936.73 W	1936.77
0.00						
8360.00	89.144	269.643	6521.27	12.12 S	1946.73 W	1946.77
0.00						
8370.00	89.144	269.643	6521.42	12.18 S	1956.73 W	1956.77
0.00						
8380.00	89.144	269.643	6521.57	12.24 S	1966.73 W	1966.77
0.00						
8390.00	89.144	269.643	6521.72	12.31 S	1976.73 W	1976.77
0.00						
8400.00	89.144	269.643	6521.86	12.37 S	1986.73 W	1986.77
0.00						
8410.00	89.144	269.643	6522.01	12.43 S	1996.73 W	1996.77
0.00						
8420.00	89.144	269.643	6522.16	12.49 S	2006.73 W	2006.76
0.00						

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08					
8430.00	89.144	269.643	6522.31	12.56 S	2016.72 W	2016.76
0.00						
8440.00	89.144	269.643	6522.46	12.62 S	2026.72 W	2026.76
0.00						
8450.00	89.144	269.643	6522.61	12.68 S	2036.72 W	2036.76
0.00						
8460.00	89.144	269.643	6522.76	12.74 S	2046.72 W	2046.76
0.00						
8470.00	89.144	269.643	6522.91	12.80 S	2056.72 W	2056.76
0.00						
8480.00	89.144	269.643	6523.06	12.87 S	2066.72 W	2066.76
0.00						
8490.00	89.144	269.643	6523.21	12.93 S	2076.72 W	2076.76
0.00						
8500.00	89.144	269.643	6523.36	12.99 S	2086.71 W	2086.76
0.00						
8510.00	89.144	269.643	6523.51	13.05 S	2096.71 W	2096.75
0.00						
8520.00	89.144	269.643	6523.66	13.12 S	2106.71 W	2106.75
0.00						
8530.00	89.144	269.643	6523.81	13.18 S	2116.71 W	2116.75
0.00						
8540.00	89.144	269.643	6523.96	13.24 S	2126.71 W	2126.75
0.00						
8550.00	89.144	269.643	6524.11	13.30 S	2136.71 W	2136.75
0.00						
8560.00	89.144	269.643	6524.25	13.36 S	2146.71 W	2146.75
0.00						
8570.00	89.144	269.643	6524.40	13.43 S	2156.71 W	2156.75
0.00						
8580.00	89.144	269.643	6524.55	13.49 S	2166.70 W	2166.75
0.00						
8590.00	89.144	269.643	6524.70	13.55 S	2176.70 W	2176.75
0.00						
8600.00	89.144	269.643	6524.85	13.61 S	2186.70 W	2186.74
0.00						
8610.00	89.144	269.643	6525.00	13.68 S	2196.70 W	2196.74
0.00						
8620.00	89.144	269.643	6525.15	13.74 S	2206.70 W	2206.74
0.00						
8630.00	89.144	269.643	6525.30	13.80 S	2216.70 W	2216.74
0.00						
8640.00	89.144	269.643	6525.45	13.86 S	2226.70 W	2226.74
0.00						
8650.00	89.144	269.643	6525.60	13.92 S	2236.70 W	2236.74
0.00						
8660.00	89.144	269.643	6525.75	13.99 S	2246.69 W	2246.74
0.00						
8670.00	89.144	269.643	6525.90	14.05 S	2256.69 W	2256.74
0.00						
8680.00	89.144	269.643	6526.05	14.11 S	2266.69 W	2266.74
0.00						
8690.00	89.144	269.643	6526.20	14.17 S	2276.69 W	2276.73
0.00						
8700.00	89.144	269.643	6526.35	14.24 S	2286.69 W	2286.73
0.00						
8710.00	89.144	269.643	6526.50	14.30 S	2296.69 W	2296.73
0.00						
8720.00	89.144	269.643	6526.64	14.36 S	2306.69 W	2306.73
0.00						
8730.00	89.144	269.643	6526.79	14.42 S	2316.68 W	2316.73
0.00						
8740.00	89.144	269.643	6526.94	14.48 S	2326.68 W	2326.73

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00							
8750.00	89.144	269.643	6527.09	14.55 S	2336.68 W	2336.73	
0.00							
8760.00	89.144	269.643	6527.24	14.61 S	2346.68 W	2346.73	
0.00							
8770.00	89.144	269.643	6527.39	14.67 S	2356.68 W	2356.72	
0.00							
8780.00	89.144	269.643	6527.54	14.73 S	2366.68 W	2366.72	
0.00							
8790.00	89.144	269.643	6527.69	14.80 S	2376.68 W	2376.72	
0.00							
8800.00	89.144	269.643	6527.84	14.86 S	2386.68 W	2386.72	
0.00							
8810.00	89.144	269.643	6527.99	14.92 S	2396.67 W	2396.72	
0.00							
8820.00	89.144	269.643	6528.14	14.98 S	2406.67 W	2406.72	
0.00							
8830.00	89.144	269.643	6528.29	15.05 S	2416.67 W	2416.72	
0.00							
8840.00	89.144	269.643	6528.44	15.11 S	2426.67 W	2426.72	
0.00							
8850.00	89.144	269.643	6528.59	15.17 S	2436.67 W	2436.72	
0.00							
8860.00	89.144	269.643	6528.74	15.23 S	2446.67 W	2446.71	
0.00							
8870.00	89.144	269.643	6528.88	15.29 S	2456.67 W	2456.71	
0.00							
8880.00	89.144	269.643	6529.03	15.36 S	2466.66 W	2466.71	
0.00							
8890.00	89.144	269.643	6529.18	15.42 S	2476.66 W	2476.71	
0.00							
8900.00	89.144	269.643	6529.33	15.48 S	2486.66 W	2486.71	
0.00							
8910.00	89.144	269.643	6529.48	15.54 S	2496.66 W	2496.71	
0.00							
8920.00	89.144	269.643	6529.63	15.61 S	2506.66 W	2506.71	
0.00							
8930.00	89.144	269.643	6529.78	15.67 S	2516.66 W	2516.71	
0.00							
8940.00	89.144	269.643	6529.93	15.73 S	2526.66 W	2526.71	
0.00							
8950.00	89.144	269.643	6530.08	15.79 S	2536.66 W	2536.70	
0.00							
8960.00	89.144	269.643	6530.23	15.85 S	2546.65 W	2546.70	
0.00							
8970.00	89.144	269.643	6530.38	15.92 S	2556.65 W	2556.70	
0.00							
8980.00	89.144	269.643	6530.53	15.98 S	2566.65 W	2566.70	
0.00							
8990.00	89.144	269.643	6530.68	16.04 S	2576.65 W	2576.70	
0.00							
9000.00	89.144	269.643	6530.83	16.10 S	2586.65 W	2586.70	
0.00							
9010.00	89.144	269.643	6530.98	16.17 S	2596.65 W	2596.70	
0.00							
9020.00	89.144	269.643	6531.13	16.23 S	2606.65 W	2606.70	
0.00							
9030.00	89.144	269.643	6531.27	16.29 S	2616.65 W	2616.70	
0.00							
9040.00	89.144	269.643	6531.42	16.35 S	2626.64 W	2626.69	
0.00							
9050.00	89.144	269.643	6531.57	16.41 S	2636.64 W	2636.69	
0.00							

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08						
0.00	9060.00	89.144	269.643	6531.72	16.48 S	2646.64 W	2646.69
0.00	9070.00	89.144	269.643	6531.87	16.54 S	2656.64 W	2656.69
0.00	9080.00	89.144	269.643	6532.02	16.60 S	2666.64 W	2666.69
0.00	9090.00	89.144	269.643	6532.17	16.66 S	2676.64 W	2676.69
0.00	9100.00	89.144	269.643	6532.32	16.73 S	2686.64 W	2686.69
0.00	9110.00	89.144	269.643	6532.47	16.79 S	2696.63 W	2696.69
0.00	9120.00	89.144	269.643	6532.62	16.85 S	2706.63 W	2706.69
0.00	9130.00	89.144	269.643	6532.77	16.91 S	2716.63 W	2716.68
0.00	9140.00	89.144	269.643	6532.92	16.97 S	2726.63 W	2726.68
0.00	9150.00	89.144	269.643	6533.07	17.04 S	2736.63 W	2736.68
0.00	9160.00	89.144	269.643	6533.22	17.10 S	2746.63 W	2746.68
0.00	9170.00	89.144	269.643	6533.37	17.16 S	2756.63 W	2756.68
0.00	9180.00	89.144	269.643	6533.52	17.22 S	2766.63 W	2766.68
0.00	9190.00	89.144	269.643	6533.66	17.29 S	2776.62 W	2776.68
0.00	9200.00	89.144	269.643	6533.81	17.35 S	2786.62 W	2786.68
0.00	9210.00	89.144	269.643	6533.96	17.41 S	2796.62 W	2796.68
0.00	9220.00	89.144	269.643	6534.11	17.47 S	2806.62 W	2806.67
0.00	9230.00	89.144	269.643	6534.26	17.54 S	2816.62 W	2816.67
0.00	9240.00	89.144	269.643	6534.41	17.60 S	2826.62 W	2826.67
0.00	9250.00	89.144	269.643	6534.56	17.66 S	2836.62 W	2836.67
0.00	9260.00	89.144	269.643	6534.71	17.72 S	2846.62 W	2846.67
0.00	9270.00	89.144	269.643	6534.86	17.78 S	2856.61 W	2856.67
0.00	9280.00	89.144	269.643	6535.01	17.85 S	2866.61 W	2866.67
0.00	9290.00	89.144	269.643	6535.16	17.91 S	2876.61 W	2876.67
0.00	9300.00	89.144	269.643	6535.31	17.97 S	2886.61 W	2886.67
0.00	9310.00	89.144	269.643	6535.46	18.03 S	2896.61 W	2896.66
0.00	9320.00	89.144	269.643	6535.61	18.10 S	2906.61 W	2906.66
0.00	9330.00	89.144	269.643	6535.76	18.16 S	2916.61 W	2916.66
0.00	9340.00	89.144	269.643	6535.90	18.22 S	2926.60 W	2926.66
0.00	9350.00	89.144	269.643	6536.05	18.28 S	2936.60 W	2936.66
0.00	9360.00	89.144	269.643	6536.20	18.34 S	2946.60 W	2946.66
0.00	9370.00	89.144	269.643	6536.35	18.41 S	2956.60 W	2956.66

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00							
9380.00	89.144	269.643	6536.50	18.47 S	2966.60 W	2966.66	
0.00							
9390.00	89.144	269.643	6536.65	18.53 S	2976.60 W	2976.66	
0.00							
9400.00	89.144	269.643	6536.80	18.59 S	2986.60 W	2986.65	
0.00							
9410.00	89.144	269.643	6536.95	18.66 S	2996.60 W	2996.65	
0.00							
9420.00	89.144	269.643	6537.10	18.72 S	3006.59 W	3006.65	
0.00							
9430.00	89.144	269.643	6537.25	18.78 S	3016.59 W	3016.65	
0.00							
9440.00	89.144	269.643	6537.40	18.84 S	3026.59 W	3026.65	
0.00							
9450.00	89.144	269.643	6537.55	18.90 S	3036.59 W	3036.65	
0.00							
9460.00	89.144	269.643	6537.70	18.97 S	3046.59 W	3046.65	
0.00							
9470.00	89.144	269.643	6537.85	19.03 S	3056.59 W	3056.65	
0.00							
9480.00	89.144	269.643	6538.00	19.09 S	3066.59 W	3066.65	
0.00							
9490.00	89.144	269.643	6538.15	19.15 S	3076.59 W	3076.64	
0.00							
9500.00	89.144	269.643	6538.29	19.22 S	3086.58 W	3086.64	
0.00							
9510.00	89.144	269.643	6538.44	19.28 S	3096.58 W	3096.64	
0.00							
9520.00	89.144	269.643	6538.59	19.34 S	3106.58 W	3106.64	
0.00							
9530.00	89.144	269.643	6538.74	19.40 S	3116.58 W	3116.64	
0.00							
9540.00	89.144	269.643	6538.89	19.46 S	3126.58 W	3126.64	
0.00							
9550.00	89.144	269.643	6539.04	19.53 S	3136.58 W	3136.64	
0.00							
9560.00	89.144	269.643	6539.19	19.59 S	3146.58 W	3146.64	
0.00							
9570.00	89.144	269.643	6539.34	19.65 S	3156.57 W	3156.64	
0.00							
9580.00	89.144	269.643	6539.49	19.71 S	3166.57 W	3166.63	
0.00							
9590.00	89.144	269.643	6539.64	19.78 S	3176.57 W	3176.63	
0.00							
9600.00	89.144	269.643	6539.79	19.84 S	3186.57 W	3186.63	
0.00							
9610.00	89.144	269.643	6539.94	19.90 S	3196.57 W	3196.63	
0.00							
9620.00	89.144	269.643	6540.09	19.96 S	3206.57 W	3206.63	
0.00							
9630.00	89.144	269.643	6540.24	20.03 S	3216.57 W	3216.63	
0.00							
9640.00	89.144	269.643	6540.39	20.09 S	3226.57 W	3226.63	
0.00							
9650.00	89.144	269.643	6540.53	20.15 S	3236.56 W	3236.63	
0.00							
9660.00	89.144	269.643	6540.68	20.21 S	3246.56 W	3246.63	
0.00							
9670.00	89.144	269.643	6540.83	20.27 S	3256.56 W	3256.62	
0.00							
9680.00	89.144	269.643	6540.98	20.34 S	3266.56 W	3266.62	
0.00							

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

9690.00	89.144	269.643	6541.13	20.40 S	3276.56 W	3276.62
0.00						
9700.00	89.144	269.643	6541.28	20.46 S	3286.56 W	3286.62
0.00						
9710.00	89.144	269.643	6541.43	20.52 S	3296.56 W	3296.62
0.00						
9720.00	89.144	269.643	6541.58	20.59 S	3306.55 W	3306.62
0.00						
9730.00	89.144	269.643	6541.73	20.65 S	3316.55 W	3316.62
0.00						
9740.00	89.144	269.643	6541.88	20.71 S	3326.55 W	3326.62
0.00						
9750.00	89.144	269.643	6542.03	20.77 S	3336.55 W	3336.62
0.00						
9760.00	89.144	269.643	6542.18	20.83 S	3346.55 W	3346.61
0.00						
9770.00	89.144	269.643	6542.33	20.90 S	3356.55 W	3356.61
0.00						
9780.00	89.144	269.643	6542.48	20.96 S	3366.55 W	3366.61
0.00						
9790.00	89.144	269.643	6542.63	21.02 S	3376.55 W	3376.61
0.00						
9800.00	89.144	269.643	6542.78	21.08 S	3386.54 W	3386.61
0.00						
9810.00	89.144	269.643	6542.92	21.15 S	3396.54 W	3396.61
0.00						
9820.00	89.144	269.643	6543.07	21.21 S	3406.54 W	3406.61
0.00						
9830.00	89.144	269.643	6543.22	21.27 S	3416.54 W	3416.61
0.00						
9840.00	89.144	269.643	6543.37	21.33 S	3426.54 W	3426.61
0.00						
9850.00	89.144	269.643	6543.52	21.39 S	3436.54 W	3436.60
0.00						
9860.00	89.144	269.643	6543.67	21.46 S	3446.54 W	3446.60
0.00						
9870.00	89.144	269.643	6543.82	21.52 S	3456.54 W	3456.60
0.00						
9880.00	89.144	269.643	6543.97	21.58 S	3466.53 W	3466.60
0.00						
9890.00	89.144	269.643	6544.12	21.64 S	3476.53 W	3476.60
0.00						
9900.00	89.144	269.643	6544.27	21.71 S	3486.53 W	3486.60
0.00						
9910.00	89.144	269.643	6544.42	21.77 S	3496.53 W	3496.60
0.00						
9920.00	89.144	269.643	6544.57	21.83 S	3506.53 W	3506.60
0.00						
9930.00	89.144	269.643	6544.72	21.89 S	3516.53 W	3516.60
0.00						
9940.00	89.144	269.643	6544.87	21.95 S	3526.53 W	3526.59
0.00						
9950.00	89.144	269.643	6545.02	22.02 S	3536.52 W	3536.59
0.00						
9960.00	89.144	269.643	6545.17	22.08 S	3546.52 W	3546.59
0.00						
9970.00	89.144	269.643	6545.31	22.14 S	3556.52 W	3556.59
0.00						
9980.00	89.144	269.643	6545.46	22.20 S	3566.52 W	3566.59
0.00						
9990.00	89.144	269.643	6545.61	22.27 S	3576.52 W	3576.59
0.00						
10000.00	89.144	269.643	6545.76	22.33 S	3586.52 W	3586.59

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00						
10010.00	89.144	269.643	6545.91	22.39 S	3596.52 W	3596.59
0.00						
10020.00	89.144	269.643	6546.06	22.45 S	3606.52 W	3606.59
0.00						
10030.00	89.144	269.643	6546.21	22.51 S	3616.51 W	3616.58
0.00						
10040.00	89.144	269.643	6546.36	22.58 S	3626.51 W	3626.58
0.00						
10050.00	89.144	269.643	6546.51	22.64 S	3636.51 W	3636.58
0.00						
10060.00	89.144	269.643	6546.66	22.70 S	3646.51 W	3646.58
0.00						
10070.00	89.144	269.643	6546.81	22.76 S	3656.51 W	3656.58
0.00						
10080.00	89.144	269.643	6546.96	22.83 S	3666.51 W	3666.58
0.00						
10090.00	89.144	269.643	6547.11	22.89 S	3676.51 W	3676.58
0.00						
10100.00	89.144	269.643	6547.26	22.95 S	3686.51 W	3686.58
0.00						
10110.00	89.144	269.643	6547.41	23.01 S	3696.50 W	3696.58
0.00						
10120.00	89.144	269.643	6547.55	23.08 S	3706.50 W	3706.57
0.00						
10130.00	89.144	269.643	6547.70	23.14 S	3716.50 W	3716.57
0.00						
10140.00	89.144	269.643	6547.85	23.20 S	3726.50 W	3726.57
0.00						
10150.00	89.144	269.643	6548.00	23.26 S	3736.50 W	3736.57
0.00						
10160.00	89.144	269.643	6548.15	23.32 S	3746.50 W	3746.57
0.00						
10170.00	89.144	269.643	6548.30	23.39 S	3756.50 W	3756.57
0.00						
10180.00	89.144	269.643	6548.45	23.45 S	3766.49 W	3766.57
0.00						
10190.00	89.144	269.643	6548.60	23.51 S	3776.49 W	3776.57
0.00						
10200.00	89.144	269.643	6548.75	23.57 S	3786.49 W	3786.57
0.00						
10210.00	89.144	269.643	6548.90	23.64 S	3796.49 W	3796.56
0.00						
10220.00	89.144	269.643	6549.05	23.70 S	3806.49 W	3806.56
0.00						
10230.00	89.144	269.643	6549.20	23.76 S	3816.49 W	3816.56
0.00						
10240.00	89.144	269.643	6549.35	23.82 S	3826.49 W	3826.56
0.00						
10250.00	89.144	269.643	6549.50	23.88 S	3836.49 W	3836.56
0.00						
10260.00	89.144	269.643	6549.65	23.95 S	3846.48 W	3846.56
0.00						
10270.00	89.144	269.643	6549.80	24.01 S	3856.48 W	3856.56
0.00						
10280.00	89.144	269.643	6549.94	24.07 S	3866.48 W	3866.56
0.00						
10290.00	89.144	269.643	6550.09	24.13 S	3876.48 W	3876.56
0.00						
10300.00	89.144	269.643	6550.24	24.20 S	3886.48 W	3886.55
0.00						
10310.00	89.144	269.643	6550.39	24.26 S	3896.48 W	3896.55
0.00						

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

10320.00	89.144	269.643	6550.54	24.32 S	3906.48 W	3906.55
0.00						
10330.00	89.144	269.643	6550.69	24.38 S	3916.48 W	3916.55
0.00						
10340.00	89.144	269.643	6550.84	24.44 S	3926.47 W	3926.55
0.00						
10350.00	89.144	269.643	6550.99	24.51 S	3936.47 W	3936.55
0.00						
10360.00	89.144	269.643	6551.14	24.57 S	3946.47 W	3946.55
0.00						
10370.00	89.144	269.643	6551.29	24.63 S	3956.47 W	3956.55
0.00						
10380.00	89.144	269.643	6551.44	24.69 S	3966.47 W	3966.55
0.00						
10390.00	89.144	269.643	6551.59	24.76 S	3976.47 W	3976.54
0.00						
10400.00	89.144	269.643	6551.74	24.82 S	3986.47 W	3986.54
0.00						
10410.00	89.144	269.643	6551.89	24.88 S	3996.46 W	3996.54
0.00						
10420.00	89.144	269.643	6552.04	24.94 S	4006.46 W	4006.54
0.00						
10430.00	89.144	269.643	6552.18	25.00 S	4016.46 W	4016.54
0.00						
10440.00	89.144	269.643	6552.33	25.07 S	4026.46 W	4026.54
0.00						
10450.00	89.144	269.643	6552.48	25.13 S	4036.46 W	4036.54
0.00						
10460.00	89.144	269.643	6552.63	25.19 S	4046.46 W	4046.54
0.00						
10470.00	89.144	269.643	6552.78	25.25 S	4056.46 W	4056.54
0.00						
10480.00	89.144	269.643	6552.93	25.32 S	4066.46 W	4066.53
0.00						
10490.00	89.144	269.643	6553.08	25.38 S	4076.45 W	4076.53
0.00						
10500.00	89.144	269.643	6553.23	25.44 S	4086.45 W	4086.53
0.00						
10510.00	89.144	269.643	6553.38	25.50 S	4096.45 W	4096.53
0.00						
10520.00	89.144	269.643	6553.53	25.57 S	4106.45 W	4106.53
0.00						
10530.00	89.144	269.643	6553.68	25.63 S	4116.45 W	4116.53
0.00						
10540.00	89.144	269.643	6553.83	25.69 S	4126.45 W	4126.53
0.00						
10550.00	89.144	269.643	6553.98	25.75 S	4136.45 W	4136.53
0.00						
10560.00	89.144	269.643	6554.13	25.81 S	4146.44 W	4146.53
0.00						
10570.00	89.144	269.643	6554.28	25.88 S	4156.44 W	4156.52
0.00						
10580.00	89.144	269.643	6554.43	25.94 S	4166.44 W	4166.52
0.00						
10590.00	89.144	269.643	6554.57	26.00 S	4176.44 W	4176.52
0.00						
10600.00	89.144	269.643	6554.72	26.06 S	4186.44 W	4186.52
0.00						
10610.00	89.144	269.643	6554.87	26.13 S	4196.44 W	4196.52
0.00						
10620.00	89.144	269.643	6555.02	26.19 S	4206.44 W	4206.52
0.00						
10630.00	89.144	269.643	6555.17	26.25 S	4216.44 W	4216.52

Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08

0.00						
10640.00	89.144	269.643	6555.32	26.31 S	4226.43 W	4226.52
0.00						
10650.00	89.144	269.643	6555.47	26.37 S	4236.43 W	4236.52
0.00						
10660.00	89.144	269.643	6555.62	26.44 S	4246.43 W	4246.51
0.00						
10670.00	89.144	269.643	6555.77	26.50 S	4256.43 W	4256.51
0.00						
10680.00	89.144	269.643	6555.92	26.56 S	4266.43 W	4266.51
0.00						
10690.00	89.144	269.643	6556.07	26.62 S	4276.43 W	4276.51
0.00						
10700.00	89.144	269.643	6556.22	26.69 S	4286.43 W	4286.51
0.00						
10710.00	89.144	269.643	6556.37	26.75 S	4296.43 W	4296.51
0.00						
10720.00	89.144	269.643	6556.52	26.81 S	4306.42 W	4306.51
0.00						
10730.00	89.144	269.643	6556.67	26.87 S	4316.42 W	4316.51
0.00						
10740.00	89.144	269.643	6556.82	26.93 S	4326.42 W	4326.51
0.00						
10750.00	89.144	269.643	6556.96	27.00 S	4336.42 W	4336.50
0.00						
10760.00	89.144	269.643	6557.11	27.06 S	4346.42 W	4346.50
0.00						
10770.00	89.144	269.643	6557.26	27.12 S	4356.42 W	4356.50
0.00						
10780.00	89.144	269.643	6557.41	27.18 S	4366.42 W	4366.50
0.00						
10790.00	89.144	269.643	6557.56	27.25 S	4376.41 W	4376.50
0.00						
10800.00	89.144	269.643	6557.71	27.31 S	4386.41 W	4386.50
0.00						
10810.00	89.144	269.643	6557.86	27.37 S	4396.41 W	4396.50
0.00						
10820.00	89.144	269.643	6558.01	27.43 S	4406.41 W	4406.50
0.00						
10830.00	89.144	269.643	6558.16	27.49 S	4416.41 W	4416.50
0.00						
10840.00	89.144	269.643	6558.31	27.56 S	4426.41 W	4426.49
0.00						
10850.00	89.144	269.643	6558.46	27.62 S	4436.41 W	4436.49
0.00						
10860.00	89.144	269.643	6558.61	27.68 S	4446.41 W	4446.49
0.00						
10870.00	89.144	269.643	6558.76	27.74 S	4456.40 W	4456.49
0.00						
10880.00	89.144	269.643	6558.91	27.81 S	4466.40 W	4466.49
0.00						
10890.00	89.144	269.643	6559.06	27.87 S	4476.40 W	4476.49
0.00						
10900.00	89.144	269.643	6559.20	27.93 S	4486.40 W	4486.49
0.00						
10910.00	89.144	269.643	6559.35	27.99 S	4496.40 W	4496.49
0.00						
10920.00	89.144	269.643	6559.50	28.05 S	4506.40 W	4506.49
0.00						
10930.00	89.144	269.643	6559.65	28.12 S	4516.40 W	4516.48
0.00						
10940.00	89.144	269.643	6559.80	28.18 S	4526.40 W	4526.48
0.00						

	Crows Flat 16 State Com #4H Lateral #1 Plan #1 Report 2-29-08					
10950.00	89.144	269.643	6559.95	28.24 S	4536.39 W	4536.48
0.00						
10953.24	89.144	269.643	6560.00	28.26 S	4539.63 W	4539.72
0.00						

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

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from site and calculated along an Azimuth of 269.643° (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 0.087°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 10953.24ft., the Bottom Hole Displacement is 4539.72ft., in the Direction of 269.643° (True).