

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCONFIDENTIALITY REQUESTED
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM-19423	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Cimarex Energy Co. of Colorado		7. Unit of CA Agreement Name and No.	
3. Address PO Box 140907; Irving, TX 75014		8. Lease Name and Well No. White City 14 Federal 4	
3a. Phone No. (include area code) 972-443-6489		9. API Well No. 30-015-36336	
4. Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 330' FSL & 2280' FEL At top prod. interval reported below 345' FSL & 2279' FEL At total depth 2301' FSL & 2255' FEL		10. Field and Pool, or Exploratory Sulphate; Delaware SW	
14. Date Spudded 06.27.08		15. Date T.D. Reached 08.01.08	
16. Date Completed ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3279' GL	
18. Total Depth. MD 4,854' TVD 3008		19. Plug Back TD. MD 4,854' TVD 3008	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HRLA-HNGSCNL-CFLGR-Sonic	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey ☐ No ☒ Yes (Submit copy)		23. Casing and Liner Record (Report all strings set in well)	
24. Tubing Record		25. Producing Intervals	
26. Perforation Record		27. Acid, Fracture, Treatment, Cement Squeeze, etc	
28. Production - Interval A -		28. Production - Interval B -	

* (See instructions and spaces for additional data on page 2)

Accepted for record - NMOC

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)

Flare, waiting for Hunter gas gathering tie in approval.

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Top Salt	1,012'
				Base Salt	1,681'
				Delaware	1,886'
				Cherry Canyon	2,853'

32. Additional remarks (include plugging procedure):

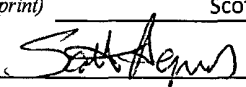
Tried to produce as open hole but had problem, SI well and ran peak liner assembly and began production.
Rod Pump: 25-150 RWBC (HUR) 24 pump.

Installed

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☐ Other: PEAK Systems Drawing, Frac Job, Deviation/well path

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Scott Haynes Title Regulatory Analyst
 Signature  Date November 14, 2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Acid, Fracture, Treatment, Cement Squeeze, etc. Attachment

White City 14 Federal 4

14-25S-26E

Eddy County, NM

Depth Interval	Amount and Type of Material Used
4523'-4854'	6359 gals Lightning 2000 x-linker pad, 0.5 to 1 ppg 16/30# white sand in lightning 2000 gel, flush with 2513 gals 20# linear gel. 7527# 16/30 white sand pumped.
4163'-4523'	6432 gals Lightning 2000 x-linker pad, 0.5 to 1 ppg 16/30# white sand in lightning 2000 gel, flush with 2303 gals 20# linear gel. 7527# 16/30 white sand pumped.
3814'-4163'	6567 gals Lightning 2000 x-linker pad, 0.5 to 1 ppg 16/30# white sand in lightning 2000 gel, flush with 2453 gals 20# linear gel. 7173# 16/30 white sand pumped.
3500'-3814'	6297 gals Lightning 2000 x-linker pad, 0.5 to 1 ppg 16/30# white sand in lightning 2000 gel, flush with 1037 gals 20# linear gel. 5677# 16/30 white sand pumped.
3147'-3500'	4697 gals Lightning 2000 x-linker pad, 0.5 to 1 ppg 16/30# white sand in lightning 2000 gel, flush with 1789 gals 20# linear gel. 2948# 16/30 white sand pumped.

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

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

DISTRICT III
1000 Rio Brazos Ed., 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 30-015-36336	Pool Code	Pool Name Sulphate; Delaware
Property Code	Property Name WHITE CITY "14" FEDERAL	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3279'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	14	25 S	26 E		330	SOUTH	2280	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
J	14	25 S	26 E		2301	SOUTH	2255	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	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

		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. <i>Scott Haynes</i> 11-07-08 Signature Date Scott Haynes 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. FEBRUARY 14 2008 Date Surveyed Signature of Gary L. Jones Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS

DRILLING CONTRACTOR *United Drilling, Inc.*

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth
1 @ 218'
3/4 @ 413'
1 @ 597'
1 @ 988'
2 @ 1210'
4 @ 1506'
3-1/2 @ 1601'
3-1/4 @ 1622'
3-1/2 @ 1727'
3-1/4 @ 1790'
1-3/4 @ 1817'
2 @ 1880'
1 @ 2169'
1 @ 2422'
3/4 @ 2573'
1/2 @ 2802'

[illegible]

Degrees @ Depth

Drilling Contractor- **UNITED DRILLING, INC.**

By:

Luisa Garcia
(Luisa Garcia)

Title:

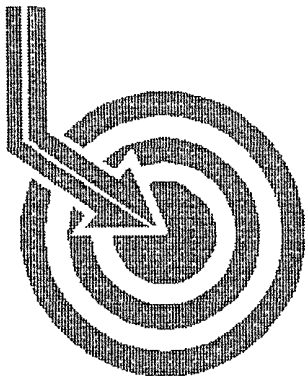
Assistant Office Manager

Subscribed and sworn to before me this 5 day of August, 2008

August 1, 2008
George A. Aho
 Notary Public
Chaves, NM
 County State

My Commission Expires:

10-8-08



Scientific Drilling

CIMAREX ENERGY

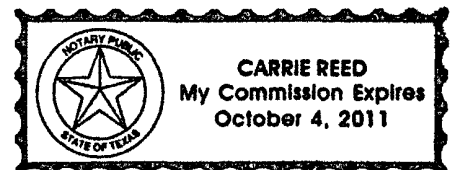
Field: Sulphate
Site: Eddy County, NM
Well: White City 14 Federal #4
Wellpath: VH - Job #32K0708535
Survey: 07/12/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Sharton*.....Company Representative

Notorized this date 11th of August, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CIMAREX ENERGY
Field: Sulphate
Site: Eddy County, NM
Well: White City 14 Federal #4
Wellpath: VH - Job #32K0708535

Date: 08/10/2008 Time: 16:11:07 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/12/08
KSRG 0'-2692'

Start Date: 07/12/2008

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Guebara/Williams w/Rotary
Tied-to: From Surface

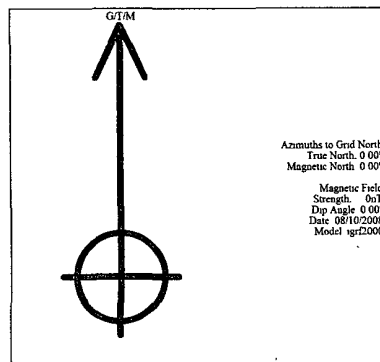
Survey

MD ft	Incl deg	Azimi deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.28	151.90	100.00	-0.22	-0.22	0.12	0.28	0.24	151.90
200.00	0.08	246.10	200.00	-0.46	-0.46	0.17	0.30	0.49	160.09
300.00	0.27	280.87	300.00	-0.44	-0.44	-0.13	0.21	0.46	196.21
400.00	0.15	251.61	400.00	-0.44	-0.44	-0.48	0.16	0.65	227.75
500.00	0.05	288.85	500.00	-0.46	-0.47	-0.65	0.11	0.80	234.29
600.00	0.09	53.72	600.00	-0.40	-0.41	-0.63	0.13	0.75	237.07
700.00	0.20	63.68	700.00	-0.28	-0.28	-0.41	0.11	0.50	235.28
800.00	0.21	81.36	800.00	-0.18	-0.18	-0.07	0.06	0.19	201.64
900.00	0.28	107.73	900.00	-0.23	-0.22	0.34	0.13	0.41	123.22
1000.00	0.42	104.54	999.99	-0.40	-0.39	0.93	0.14	1.01	112.80
1100.00	1.47	83.63	1099.98	-0.36	-0.34	2.56	1.09	2.58	97.58
1200.00	1.82	87.93	1199.94	-0.17	-0.14	5.42	0.37	5.42	91.49
1300.00	2.54	83.76	1299.86	0.11	0.16	9.21	0.74	9.21	89.02
1400.00	3.23	82.43	1399.74	0.69	0.77	14.21	0.69	14.23	86.90
1500.00	3.39	86.99	1499.57	1.18	1.30	19.95	0.31	19.99	86.29
1600.00	3.52	82.59	1599.39	1.70	1.85	25.95	0.30	26.01	85.93
1700.00	3.41	84.61	1699.21	2.34	2.52	31.95	0.16	32.05	85.49
1800.00	1.96	92.57	1799.09	2.52	2.72	36.62	1.49	36.73	85.75
1900.00	1.19	97.17	1899.06	2.30	2.52	39.36	0.78	39.44	86.34
2000.00	1.00	115.40	1999.04	1.78	2.01	41.18	0.39	41.23	87.20
2100.00	0.98	110.77	2099.02	1.10	1.34	42.77	0.08	42.79	88.21
2200.00	0.72	103.26	2199.01	0.64	0.89	44.18	0.28	44.19	88.85
2300.00	0.80	115.11	2299.00	0.20	0.45	45.42	0.18	45.43	89.43
2400.00	0.74	101.74	2398.99	-0.24	0.02	46.69	0.19	46.69	89.97
2500.00	0.56	123.06	2498.99	-0.64	-0.38	47.73	0.30	47.73	90.45
2600.00	0.56	99.84	2598.98	-1.00	-0.73	48.62	0.23	48.63	90.86
2692.00	0.75	137.26	2690.98	-1.52	-1.25	49.47	0.50	49.49	91.44

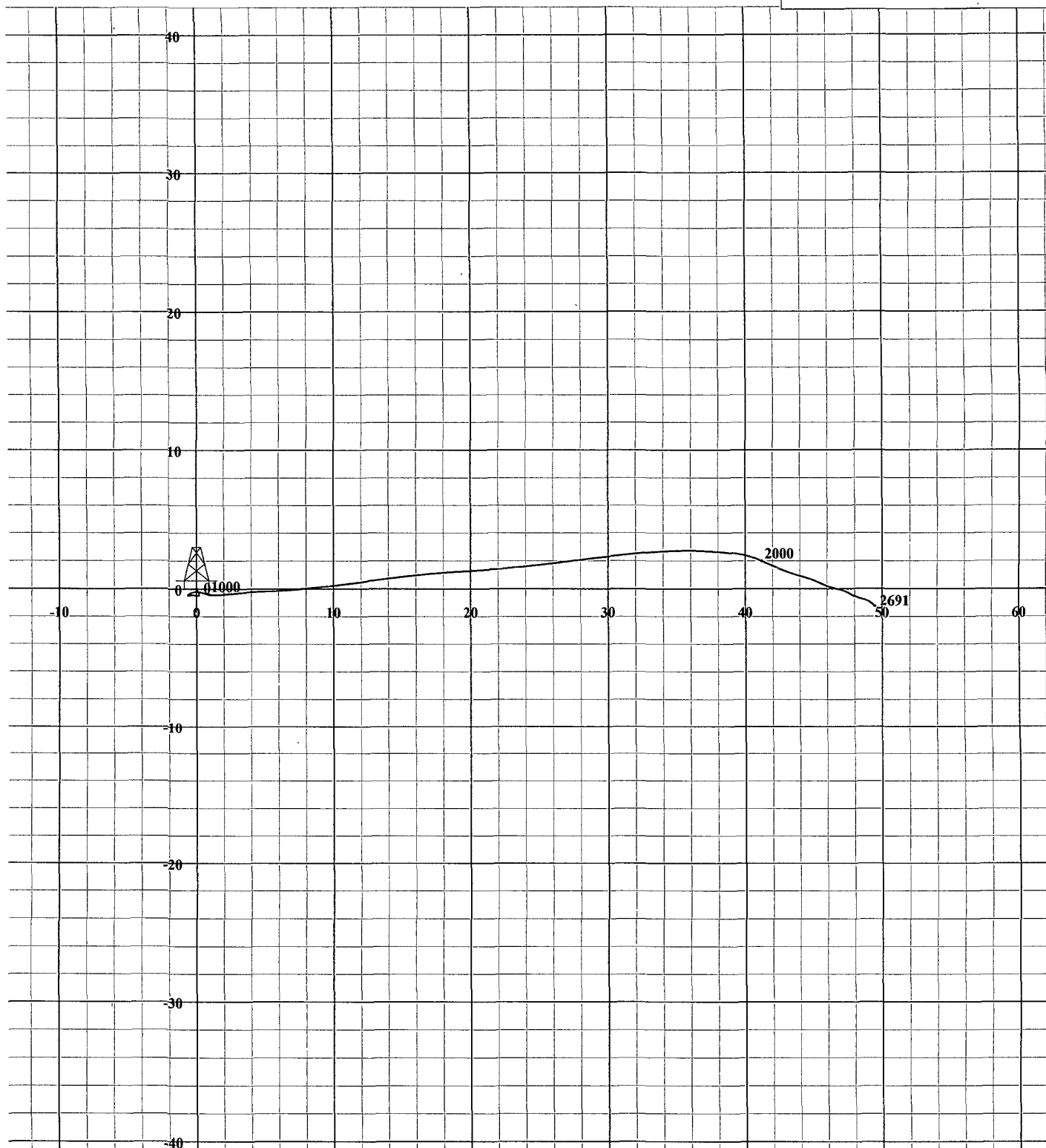


Scientific
Drilling

Field: Sulphate
Site: Eddy County, NM
Well: White City 14 Federal #4
Wellpath: VH - Job #32K0708535
Survey: 07/12/08



South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]



Sperry Drilling Services

DIRECTIONAL SURVEY REPORT

CIMAREX
WC"14" FED
WHITE CITY
EDDY TX
USA
MO-MJ-000600901

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
2692.00	0.75	137.26	2690.98	1.25 S	49.47 E	-1.53	TIE-IN
2719.00	6.59	339.18	2717.93	0.07 N	49.04 E	-0.20	27.02
2750.00	9.87	5.67	2748.61	4.38 N	48.67 E	4.11	15.92
2782.00	15.34	8.98	2779.83	11.30 N	49.60 E	11.02	17.22
2813.00	22.23	0.98	2809.17	21.22 N	50.34 E	20.94	23.69
2845.00	29.54	355.68	2837.94	35.16 N	49.85 E	34.88	23.92
2877.00	36.13	351.15	2864.82	52.37 N	47.80 E	52.10	21.99
2908.00	41.92	346.32	2888.89	71.48 N	43.94 E	71.24	21.08
2938.00	46.37	342.35	2910.42	91.58 N	38.27 E	91.37	17.46
2970.00	52.60	342.26	2931.20	114.75 N	30.88 E	114.57	19.47
3001.00	59.39	340.98	2948.52	139.12 N	22.78 E	138.99	22.17
3032.00	66.42	341.67	2962.63	165.25 N	13.95 E	165.17	22.75
3064.00	72.94	342.68	2973.74	193.80 N	4.77 E	193.77	20.58
3091.00	78.44	344.40	2980.41	218.88 N	2.63 W	218.89	21.30
3159.00	84.51	346.73	2990.49	283.98 N	19.37 W	284.08	9.54
3191.00	85.25	350.01	2993.35	315.19 N	25.80 W	315.33	10.46
3224.00	86.36	354.23	2995.76	347.78 N	30.30 W	347.95	13.20
3255.00	87.60	358.40	2997.40	378.67 N	32.29 W	378.84	13.99
3287.00	88.68	2.59	2998.44	410.64 N	32.02 W	410.82	13.53
3319.00	91.66	5.87	2998.34	442.55 N	29.66 W	442.71	13.85
3350.00	90.99	8.56	2997.63	473.29 N	25.76 W	473.43	8.95
3383.00	89.63	10.39	2997.45	505.84 N	20.33 W	505.94	6.91
3413.00	89.45	9.76	2997.69	535.37 N	15.08 W	535.45	2.18
3445.00	91.26	9.26	2997.49	566.93 N	9.80 W	566.98	5.89
3477.00	92.19	9.37	2996.53	598.50 N	4.62 W	598.51	2.91
3507.00	93.33	9.64	2995.09	628.05 N	0.33 E	628.04	3.91
3539.00	91.26	10.80	2993.80	659.51 N	6.00 E	659.47	7.39
3570.00	90.15	10.93	2993.42	689.96 N	11.84 E	689.88	3.61
3601.00	88.92	10.54	2993.67	720.41 N	17.62 E	720.30	4.17
3632.00	89.54	9.88	2994.09	750.92 N	23.11 E	750.78	2.92
3664.00	90.43	7.86	2994.10	782.53 N	28.04 E	782.37	6.90
3696.00	90.06	6.26	2993.96	814.29 N	31.98 E	814.10	5.12
3727.00	91.20	5.29	2993.62	845.13 N	35.09 E	844.92	4.84
3758.00	90.00	4.70	2993.29	876.01 N	37.79 E	875.78	4.31
3790.00	88.77	3.91	2993.64	907.92 N	40.20 E	907.68	4.58
3822.00	88.34	3.23	2994.44	939.84 N	42.19 E	939.59	2.52
3853.00	88.83	1.47	2995.21	970.81 N	43.47 E	970.55	5.90
3885.00	89.45	1.08	2995.69	1002.79 N	44.18 E	1002.53	2.29
3917.00	89.88	1.24	2995.88	1034.79 N	44.82 E	1034.52	1.44
3949.00	88.58	1.57	2996.31	1066.77 N	45.61 E	1066.50	4.18
3980.00	88.80	0.91	2997.02	1097.76 N	46.28 E	1097.48	2.25
4012.00	89.97	1.00	2997.37	1129.75 N	46.81 E	1129.47	3.67
4044.00	91.23	0.52	2997.03	1161.75 N	47.24 E	1161.46	4.23
4076.00	92.22	0.72	2996.07	1193.73 N	47.58 E	1193.45	3.15
4105.00	92.93	0.82	2994.76	1222.70 N	47.97 E	1222.41	2.48
4138.00	91.48	359.91	2993.49	1255.67 N	48.18 E	1255.38	5.19
4169.00	90.12	359.70	2993.06	1286.67 N	48.08 E	1286.38	4.43
4201.00	88.49	359.41	2993.45	1318.66 N	47.83 E	1318.38	5.17
4232.00	87.26	358.84	2994.60	1349.64 N	47.35 E	1349.35	4.40
4264.00	86.98	358.45	2996.21	1381.59 N	46.60 E	1381.31	1.49
4296.00	86.70	359.11	2997.97	1413.53 N	45.91 E	1413.25	2.24
4327.00	86.05	357.73	2999.93	1444.46 N	45.06 E	1444.18	4.93
4359.00	86.89	357.30	3001.90	1476.37 N	43.68 E	1476.10	2.92
4391.00	87.63	357.06	3003.43	1508.29 N	42.10 E	1508.03	2.44
4422.00	87.84	357.07	3004.66	1539.23 N	40.52 E	1538.98	0.70

4453.00	88.09	356.87	3005.76	1570.16 N	38.88 E	1569.92	1.01
4484.00	88.03	356.88	3006.81	1601.10 N	37.19 E	1600.87	0.20
4516.00	88.15	357.07	3007.88	1633.04 N	35.50 E	1632.81	0.70
4547.00	88.34	357.57	3008.83	1663.99 N	34.05 E	1663.77	1.72
4579.00	89.88	357.48	3009.32	1695.95 N	32.67 E	1695.74	4.82
4610.00	90.62	358.09	3009.19	1726.93 N	31.47 E	1726.73	3.09
4641.00	89.78	358.16	3009.08	1757.91 N	30.46 E	1757.71	2.70
4673.00	90.55	358.70	3008.99	1789.90 N	29.58 E	1789.71	2.93
4704.00	90.37	358.65	3008.74	1820.89 N	28.86 E	1820.70	0.62
4736.00	89.48	358.41	3008.78	1852.88 N	28.04 E	1852.69	2.89
4768.00	89.97	358.39	3008.94	1884.87 N	27.15 E	1884.69	1.54
4800.00	90.18	358.55	3008.89	1916.85 N	26.29 E	1916.68	0.83
4817.00	90.46	358.31	3008.80	1933.85 N	25.83 E	1933.67	2.13
4854.00	90.46	358.31	3008.50	1970.83 N	24.74 E	1970.66	0.01

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 359.68 DEGREES (GRID)
A TOTAL CORRECTION OF 8.11 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD
HORIZONTAL DISPLACEMENT (CLOSURE) AT 4854.00 FEET
IS 1970.99 FEET ALONG 0.72 DEGREES (GRID)

SURVEYS CALCULATED USING LONG COLLAR METHOD. TIE ON SURVEY AT SURFACE PROVIDED BY RELIABLE SURVEY CORP. SURVEYS FROM 0' MD TO 2692' MD PROVIDED BY SCIENTIFIC SURVEYS FROM 2692' MD TO 4854' MD PROJECTED TO TD AT 4854' MD. SPERRY-SUN ENGINEERS: C/AUGUILLARD, M. HALE



WINDOW @ 77 FT

2" ID strada-Port 3,304'

Iso-Pak 3,500'

1 3/4" ID Stada-Port 3,660'

Iso-Pak 3,814'

1 1/2" ID Stada-Port 4,002'

Iso-Pak 4,163'

1 1/4" ID Stada-Port 4,321'

Iso-Pak 4,523'

Anchor: 4,620'

Pump Out Plug 4,685'

Top of Packer: 2,631'											
DOWN HOLE WELL PROFILE											
WELL NAME		White City Federal 14 #004		DATE		9/12/08					
SUPERVISOR		Steve Cockrum		TOOL HAND		Ray Lollar					
PHONE #				PHONE #		432-425-2193					
RIG #		Integrity #104		FIELD TICKET #		11403					
ELEVATIONS											
KB ELEV		GL ELEV		KB TO THF		KB TO SCF		RIG KBD		PBTD	
								19			
CASING / OPEN HOLE LAYOUT		OD (IN)		LANDED DEPTH		WEIGHT (LB/FT)		TOP OF (FTKB)			
CASING DESCRIPTION		5 1/2		3,147'		17					
WINDOW DESCRIPTION											
OPEN HOLE DESCRIPTION		4 3/4		3,147'-4,680'		JUNCTION @					
DESCRIPTION											
STEERING DIRECTIONS											
DOWNHOLE DESCRIPTION FROM BOTTOM UP (Tubing String)											
BOTTOM @		DESCRIPTION				LENGTH		ID		OD	
4685.00		Peak Pump Out Plug				0.80		0.75		3.75	
4684.20		2 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				62.69		2.44		2.88	
4621.51		5 1/2 x 2 7/8 Peak Rotational Centralizer with 2 7/8" 8rd threads				0.59		2.50		4.50	
4620.92		5 1/2 x 2 7/8 Peak Extreme Service Hydro-Pak Anchor with 2 7/8" 8rd threads				3.94		2.50		4.50	
4616.98		3 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				92.76		2.44		3.88	
4524.22		5 1/2 x 2 7/8 Peak Rotational Centralizer with 2 7/8" 8rd threads				0.59		2.50		4.50	
4523.63		5 1/2 x 2 7/8" Peak Extreme Service 10K Isolation Packer with 10K HPHT Elements an				4.43		2.50		4.50	
4519.20		6 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				197.78		2.44		3.88	
4321.42		Peak Stada-Port Pack Sleeve with 1 1/2" Seat 2 7/8 8rd Threads (1 1/2" Free Ball to acti				2.21		1.31		4.00	
4319.21		5 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				155.61		2.44		3.88	
4163.60		5 1/2 x 2 7/8 Peak Rotational Centralizer with 2 7/8" 8rd threads				0.59		2.50		4.50	
4163.01		5 1/2 x 2 7/8" Peak Extreme Service 10K Isolation Packer with 10K HPHT Elements an				4.43		2.50		4.50	
4158.58		5 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				155.81		2.44		2.88	
4002.77		Peak Stada-Port Pack Sleeve with 1 1/2" Seat 2 7/8 8rd Threads (1 1/2" Free Ball to acti				2.21		1.56		4.00	
4000.56		6 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				185.13		2.44		2.88	
3815.43		5 1/2 x 2 7/8 Peak Rotational Centralizer with 2 7/8" 8rd threads				0.59		2.50		4.50	
3814.84		5 1/2 x 2 7/8" Peak Extreme Service 10K Isolation Packer with 10K HPHT Elements an				4.43		2.50		4.50	
3810.41		5 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				149.89		2.44		3.88	
3660.52		Peak Stada-Port Pack Sleeve with 1 1/2" Seat 2 7/8 8rd Threads (1 1/2" Free Ball to acti				2.21		1.81		4.00	
3658.31		5 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				156.80		2.44		3.88	
3501.51		5 1/2 x 2 7/8 Peak Rotational Centralizer with 2 7/8" 8rd threads				0.59		2.50		4.50	
3500.92		5 1/2 x 2 7/8" Peak Extreme Service 10K Isolation Packer with 10K HPHT Elements an				4.43		2.50		4.50	
3496.49		6 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				192.35		2.44		3.88	
3304.14		Peak Stada-Port Pack Sleeve with 2" Seat 2 7/8 8rd Threads (2 1/4" Free Ball to acti				2.21		2.06		4.00	
3301.93		2 Joints 2 7/8", 6.4#, P-110 Liner w 2 7/8 8rd threads				63.93		2.44		2.88	
3238.00		2 7/8 8rd pin x 2 7/8 Ultra FX box				0.85		2.50		3.00	
3237.15		19 Joints 2 7/8, 6.4#, P-110 Liner with 2 7/8" Ultra FX Threads				596.00		2.44		2.88	
2641.15		2 7/8 Ultra FX pin v 2 7/8 8rd box				1.00		2.50		3.75	
2640.15		Peak Extreme 10K Service Swivel with 2 7/8 8rd Threads				1.10		2.50		4.00	
2639.05		Peak AS-1, 5K, 5 1/2" 17# Casing, Retrievable Production Packer				7.20		2.50		4.63	
2631.85		Peak On/Off Tool with HPHT seals 2 7/8 8rd Threads Inverted)				2.58		2.50		4.25	
2629.27		On/Off Tool re-entry tool with 2 7/8" 8rd threads				0.85		2.50		3.25	
2628.42		2 7/8 8rd pin x 2 7/8" AOH box				0.50		2.25		4.25	
2627.92		84 Joints 2 7/8" drill pipe with 2 7/8" AOH Threads				2647.00		2.25		2.88	
-19.08		Stick-Up				0.00		0.00		0.00	
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*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE
**Cimarex Energy Company **

TOTAL MEASURED DEPTH @
FT