

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

RECEIVED HOBBS OCP FEB 20 2014 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505		WELL API NO. 30-025-41660 ✓
5. Indicate Type of Lease STATE ☒ FEE ☐		6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name RED HILLS UNIT ✓		8. Well Number 10H ✓
9. OGRID Number 162683		10. Pool name or Wildcat Wildcat Upper BS
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		
1. Type of Well: Oil Well ☒ Gas Well ☐ Other		
2. Name of Operator Cimarex Energy Co. of Colorado ✓		
3. Address of Operator 600 N. Marienfeld, Midland, TX 79701, Suite 600		
4. Well Location Unit Letter <u>D</u> : <u>160</u> feet from the <u>North</u> line and <u>1300</u> feet from the <u>West</u> line Section <u>32</u> Township <u>25S</u> Range <u>33E</u> NMPM Lea County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3403' GL		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Cimarex respectfully requests permission to change the SHL of the Red Hills Unit 10H

From 160 FNL & 1300 FWL; Sec 32-T25S-R33E
To 160 FNL & 1290 FWL; Sec 32-T25S-R33E

All other aspects of the approved APD will remain the same.

A revised C-102 and preliminary directional plan are attached.

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

SIGNATURE Paula Brunson TITLE Regulatory Compliance DATE 2/19/14

Type or print name Paula Brunson E-mail address: pbrunson@cimarex.com PHONE: 432-571-7848

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE FEB 25 2014
Conditions of Approval (if any)

FEB 25 2014

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611 S. First St., Artesia, NM 88210
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DISTRICT III
1000 Rio Brazos Rd., Aptec, NM 87410
Phone (505) 854-6176 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone (505) 476-3480 Fax: (505) 476-3482

HOBBS OCD

FEB 20 2014

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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 August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-41660	Pool Code 97994	Pool Name Wildcat Upper BS
Property Code 300545	Property Name RED HILLS UNIT	Well Number 10H
GRID No. 162683	Operator Name CIMAREX ENERGY CO.	Elevation 3403'

Surface Location

UL or lot No. D	Section 32	Township 25 S	Range 33 E	Lot Idn	Feet from the 160	North/South line NORTH	Feet from the 1290	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No. M	Section 32	Township 25 S	Range 33 E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 440	East/West line WEST	County LEA
Dedicated Acres 160	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

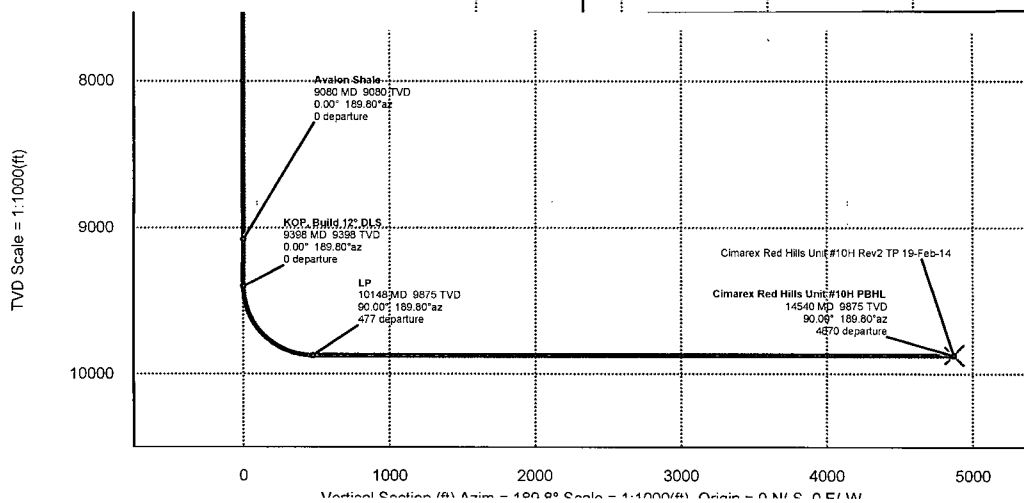
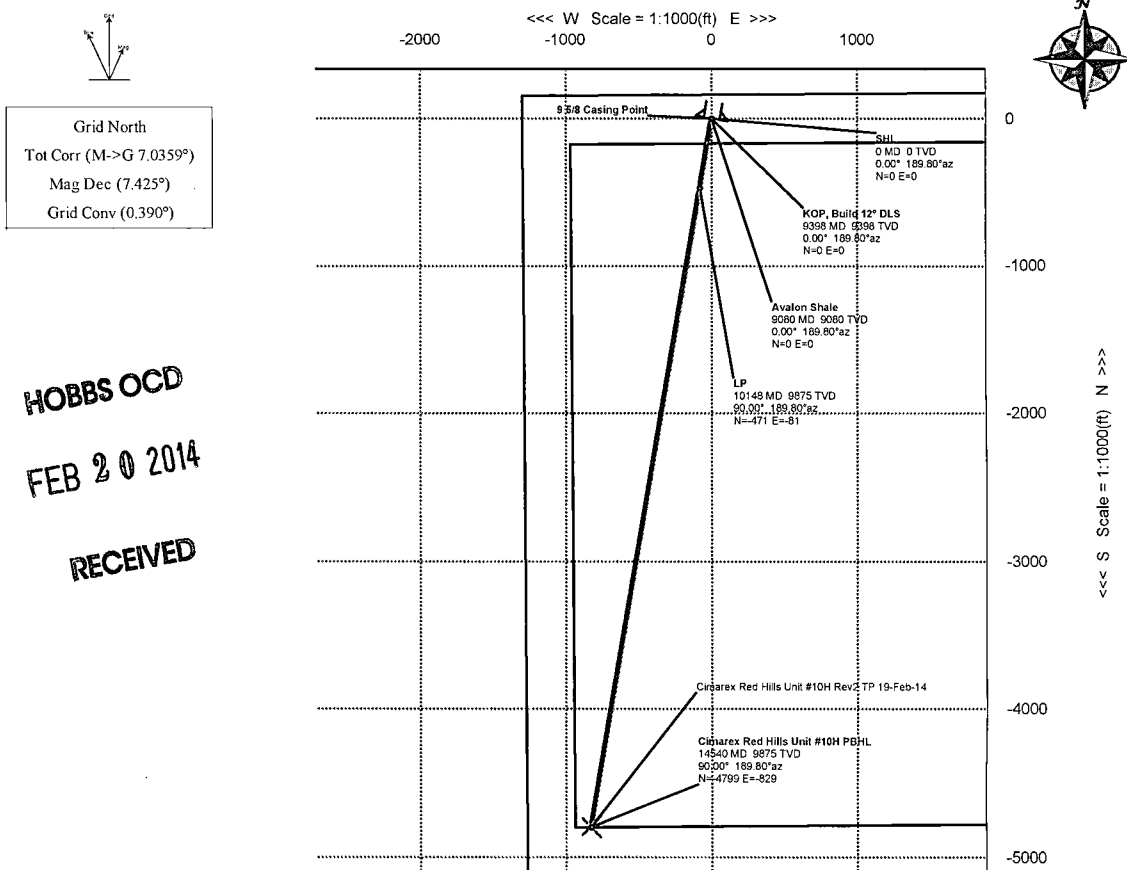
SURFACE LOCATION Lat - N 32°05'37.97" Long - W 103°35'55.28" NAD83 N: 398848.7 E: 772836.8 NAD 83 PROPOSED BOTTOM HOLE LOCATION Lat - N 32°04'50.56" Long - W 103°36'05.21" NAD83 N: 393553.7 E: 770228.1 NAD 83	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete 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 or has a right to drill this well at this 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>Paula Brunson</i> 2/19/2014 Signature Date Paula Brunson Printed Name pbrunson@cimarex.com Email Address
	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. FEB 20 2014 Date Surveyed Signature & Seal of Professional Surveyor Certification Number 7977 BASIN SURVEYS 0' 500' 1000' 1500' 2000' SCALE: 1" = 1000' WQ Num.: 30097



Cimarex

PATHFINDER
 A Schlumberger Company

WELL	Red Hills Unit #10H	FIELD	NM Lea County (NAD 83)	STRUCTURE	Cimarex Red Hills Unit #10H
Magnetic Parameters		Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous	
Model: BOGAI 2013	Dip: 59.993°	Date: January 03, 2014	Lat: N 32 53.7566	Red Hills Unit #10H	TVD Ref: Ground Level (3453ft above MSL)
	Mag Dec: 7.425°	FB: 48364.347	Long: W 103 35 55.181	Plan: Cimarex Red Hills Unit #10H Rev2 (19-Feb-14)	Scale: 0.9995638



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
SHL	0.00	0.00	189.80	0.00	0.00	0.00	0.00	
9 5/8 Casing Point	4850.00	0.00	189.80	4850.00	0.00	0.00	0.00	0.00
Avalon Shale	9080.00	0.00	189.80	9080.00	0.00	0.00	0.00	0.00
KOP, Build 12° DLS	9397.54	0.00	189.80	9397.54	0.00	0.00	0.00	0.00
LP	10147.54	90.00	189.80	9875.00	477.46	-470.50	-81.24	12.00
Cimarex Red Hills Unit #10H PBHL	14539.95	90.00	189.80	9875.00	4869.88	-4798.86	-828.63	0.00

Cimarex Red Hills Unit #10H Rev2 TP 19-Feb-14 Proposal Report

(Non-Def Plan)

Report Date: February 19, 2014 - 10:48 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Red Hills Unit #10H / Red Hills Unit #10H
Well: Red Hills Unit #10H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Red Hills Unit #10H Rev2 TP 19-Feb-14
Survey Date: August 22, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4869.876 ft / 5.810 / 0.493
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 5' 37.96559", W 103° 35' 55.16146"
Location Grid N/E Y/X: N 398665.100 ftUS, E 768849.100 ftUS
CRS Grid Convergence Angle: 0.3904 °
Grid Scale Factor: 0.99996838

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 189.797 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3403.000 ft above MSL
Seabed / Ground Elevation: 3403.000 ft above MSL
Magnetic Declination: 7.425 °
Total Field Strength: 48304.323 nT
Magnetic Dip Angle: 59.993 °
Declination Date: January 03, 2014
Magnetic Declination Model: BGGM 2013
North Reference: Grid North
Grid Convergence Used: 0.3887 °
Total Corr Mag North->Grid North: 7.0359 °
Local Coord Referenced To: Structure Reference Point

HOBBS OCD

FEB 20 2014

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
SHL	0.00	0.00	189.80	0.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	N/A
	100.00	0.00	189.80	100.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	200.00	0.00	189.80	200.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	300.00	0.00	189.80	300.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	400.00	0.00	189.80	400.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	500.00	0.00	189.80	500.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	600.00	0.00	189.80	600.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	700.00	0.00	189.80	700.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	800.00	0.00	189.80	800.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	900.00	0.00	189.80	900.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1000.00	0.00	189.80	1000.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1100.00	0.00	189.80	1100.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1200.00	0.00	189.80	1200.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1300.00	0.00	189.80	1300.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1400.00	0.00	189.80	1400.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1500.00	0.00	189.80	1500.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1600.00	0.00	189.80	1600.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1700.00	0.00	189.80	1700.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1800.00	0.00	189.80	1800.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	1900.00	0.00	189.80	1900.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2000.00	0.00	189.80	2000.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2100.00	0.00	189.80	2100.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2200.00	0.00	189.80	2200.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2300.00	0.00	189.80	2300.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2400.00	0.00	189.80	2400.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2500.00	0.00	189.80	2500.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2600.00	0.00	189.80	2600.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2700.00	0.00	189.80	2700.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2800.00	0.00	189.80	2800.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	2900.00	0.00	189.80	2900.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	3000.00	0.00	189.80	3000.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	3100.00	0.00	189.80	3100.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	3200.00	0.00	189.80	3200.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
Avalon Shale	8700.00	0.00	189.80	8700.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	8800.00	0.00	189.80	8800.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	8900.00	0.00	189.80	8900.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9000.00	0.00	189.80	9000.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9080.00	0.00	189.80	9080.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9100.00	0.00	189.80	9100.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9200.00	0.00	189.80	9200.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9300.00	0.00	189.80	9300.00	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9397.54	0.00	189.80	9397.54	0.00	0.00	0.00	398665.10	768849.10	N 32 5 37.97	W 103 35 55.16	0.00	0.00	0.00
	9400.00	0.30	189.80	9400.00	0.01	-0.01	0.00	398665.09	768849.10	N 32 5 37.97	W 103 35 55.16	0.01	189.80	12.00
KOP, Build 12° DLS	9500.00	12.30	189.80	9499.22	10.95	-10.79	-1.86	398654.31	768847.24	N 32 5 37.86	W 103 35 55.18	10.95	189.80	12.00
	9600.00	24.30	189.80	9593.99	42.29	-41.67	-7.20	398623.43	768841.90	N 32 5 37.55	W 103 35 55.25	42.29	189.80	12.00
	9700.00	36.30	189.80	9680.17	92.64	-91.29	-15.76	398573.81	768833.34	N 32 5 37.06	W 103 35 55.35	92.64	189.80	12.00
	9800.00	48.30	189.80	9754.01	159.81	-157.48	-27.19	398507.62	768821.91	N 32 5 36.41	W 103 35 55.49	159.81	189.80	12.00
	9900.00	60.30	189.80	9812.26	240.87	-237.36	-40.98	398427.75	768808.12	N 32 5 35.62	W 103 35 55.66	240.87	189.80	12.00
	10000.00	72.30	189.80	9852.39	332.27	-327.42	-56.54	398337.69	768792.57	N 32 5 34.73	W 103 35 55.84	332.27	189.80	12.00
	10100.00	84.30	189.80	9872.64	430.01	-423.74	-73.17	398241.38	768775.93	N 32 5 33.78	W 103 35 56.05	430.01	189.80	12.00
	10147.54	90.00	189.80	9875.00	477.46	-470.50	-81.24	398194.61	768767.86	N 32 5 33.32	W 103 35 56.14	477.46	189.80	12.00
	10200.00	90.00	189.80	9875.00	529.93	-522.20	-90.17	398142.92	768758.93	N 32 5 32.80	W 103 35 56.25	529.93	189.80	0.00
	10300.00	90.00	189.80	9875.00	629.93	-620.74	-107.18	398044.38	768741.92	N 32 5 31.83	W 103 35 56.46	629.93	189.80	0.00
LP	10400.00	90.00	189.80	9875.00	729.93	-719.29	-124.20	397945.84	768724.90	N 32 5 30.86	W 103 35 56.66	729.93	189.80	0.00
	10500.00	90.00	189.80	9875.00	829.93	-817.83	-141.22	397847.30	768707.89	N 32 5 29.88	W 103 35 56.87	829.93	189.80	0.00
	10600.00	90.00	189.80	9875.00	929.93	-916.37	-158.23	397748.76	768690.87	N 32 5 28.91	W 103 35 57.07	929.93	189.80	0.00
	10700.00	90.00	189.80	9875.00	1029.93	-1014.91	-175.25	397650.22	768673.86	N 32 5 27.93	W 103 35 57.28	1029.93	189.80	0.00
	10800.00	90.00	189.80	9875.00	1129.93	-1113.45	-192.26	397551.68	768656.84	N 32 5 26.96	W 103 35 57.48	1129.93	189.80	0.00
	10900.00	90.00	189.80	9875.00	1229.93	-1211.99	-209.28	397453.15	768639.83	N 32 5 25.99	W 103 35 57.69	1229.93	189.80	0.00
	11000.00	90.00	189.80	9875.00	1329.93	-1310.54	-226.29	397354.61	768622.82	N 32 5 25.01	W 103 35 57.90	1329.93	189.80	0.00
	11100.00	90.00	189.80	9875.00	1429.93	-1409.08	-243.31	397256.07	768605.80	N 32 5 24.04	W 103 35 58.10	1429.93	189.80	0.00
	11200.00	90.00	189.80	9875.00	1529.93	-1507.62	-260.32	397157.53	768588.79	N 32 5 23.07	W 103 35 58.31	1529.93	189.80	0.00
	11300.00	90.00	189.80	9875.00	1629.93	-1606.16	-277.34	397058.99	768571.77	N 32 5 22.09	W 103 35 58.51	1629.93	189.80	0.00
	11400.00	90.00	189.80	9875.00	1729.93	-1704.70	-294.35	396960.45	768554.76	N 32 5 21.12	W 103 35 58.72	1729.93	189.80	0.00
	11500.00	90.00	189.80	9875.00	1829.93	-1803.24	-311.37	396861.92	768537.74	N 32 5 20.14	W 103 35 58.92	1829.93	189.80	0.00
	11600.00	90.00	189.80	9875.00	1929.93	-1901.79	-328.38	396763.38	768520.73	N 32 5 19.17	W 103 35 59.13	1929.93	189.80	0.00
	11700.00	90.00	189.80	9875.00	2029.93	-2000.33	-345.40	396664.84	768503.71	N 32 5 18.20	W 103 35 59.33	2029.93	189.80	0.00
	11800.00	90.00	189.80	9875.00	2129.93	-2098.87	-362.42	396566.30	768486.70	N 32 5 17.22	W 103 35 59.54	2129.93	189.80	0.00
	11900.00	90.00	189.80	9875.00	2229.93	-2197.41	-379.43	396467.76	768469.68	N 32 5 16.25	W 103 35 59.75	2229.93	189.80	0.00
	12000.00	90.00	189.80	9875.00	2329.93	-2295.95	-396.45	396369.22	768452.67	N 32 5 15.27	W 103 35 59.95	2329.93	189.80	0.00
	12100.00	90.00	189.80	9875.00	2429.93	-2394.50	-413.46	396270.69	768435.65	N 32 5 14.30	W 103 36 0.16	2429.93	189.80	0.00
	12200.00	90.00	189.80	9875.00	2529.93	-2493.04	-430.48	396172.15	768418.64	N 32 5 13.33	W 103 36 0.36	2529.93	189.80	0.00
	12300.00	90.00	189.80	9875.00	2629.93	-2591.58	-447.49	396073.61	768401.62	N 32 5 12.35	W 103 36 0.57	2629.93	189.80	0.00
	12400.00	90.00	189.80	9875.00	2729.93	-2690.12	-464.51	395975.07	768384.61	N 32 5 11.38	W 103 36 0.77	2729.93	189.80	0.00
	12500.00	90.00	189.80	9875.00	2829.93	-2788.66	-481.52	395876.53	768367.59	N 32 5 10.40	W 103 36 0.98	2829.93	189.80	0.00
	12600.00	90.00	189.80	9875.00	2929.93	-2887.20	-498.54	395777.99	768350.58	N 32 5 9.43	W 103 36 1.18	2929.93	189.80	0.00
	12700.00	90.00	189.80	9875.00	3029.93	-2985.75	-515.55	395679.45	768333.56	N 32 5 8.46	W 103 36 1.39	3029.93	189.80	0.00
	12800.00	90.00	189.80	9875.00	3129.93	-3084.29	-532.57	395580.92	768316.55	N 32 5 7.48	W 103 36 1.60	3129.93	189.80	0.00
	12900.00	90.00	189.80	9875.00	3229.93	-3182.83	-549.58	395482.38	768299.53	N 32 5 6.51	W 103 36 1.80	3229.93	189.80	0.00
	13000.00	90.00	189.80	9875.00	3329.93	-3281.37	-566.60	395383.84	768282.52	N 32 5 5.53	W 103 36 2.01	3329.93	189.80	0.00
	13100.00	90.00	189.80	9875.00	3429.93	-3379.91	-583.62	395285.30	768265.50	N 32 5 4.56	W 103 36 2.21	3429.93	189.80	0.00
	13200.00	90.00	189.80	9875.00	3529.93	-3478.45	-600.63	395186.76	768248.49	N 32 5 3.59	W 103 36 2.42	3529.93	189.80	0.00
	13300.00	90.00	189.80	9875.00	3629.93	-3577.00	-617.65	395088.22	768231.47	N 32 5 2.61	W 103 36 2.62	3629.93	189.80	0.00
	13400.00	90.00	189.80	9875.00	3729.93	-3675.54	-634.66	394989.69	768214.46	N 32 5 1.64	W 103 36 2.83	3729.93	189.80	0.00
	13500.00	90.00	189.80	9875.00	3829.93	-3774.08	-651.68	394891.15	768197.44	N 32 5 0.66	W 103 36 3.03	3829.93	189.80	0.00
	13600.00	90.00	189.80	9875.00	3929.93	-3872.62	-668.69	394792.61	768180.43	N 32 4 59.69	W 103 36 3.24	3929.93	189.80	0.00
	13700.00	90.00	189.80	9875.00	4029.93	-3971.16	-685.71	394694.07	768163.42	N 32 4 58.72	W 103 36 3.45	4029.93	189.80	0.00

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS ("/100ft)
	13800.00	90.00	189.80	9875.00	4129.93	-4069.71	-702.72	394595.53	768146.40	N 32 4 57.74	W 103 36 3.65	4129.93	189.80	0.00
	13900.00	90.00	189.80	9875.00	4229.93	-4168.25	-719.74	394496.99	768129.39	N 32 4 56.77	W 103 36 3.86	4229.93	189.80	0.00
	14000.00	90.00	189.80	9875.00	4329.93	-4266.79	-736.75	394398.45	768112.37	N 32 4 55.79	W 103 36 4.06	4329.93	189.80	0.00
	14100.00	90.00	189.80	9875.00	4429.93	-4365.33	-753.77	394299.92	768095.36	N 32 4 54.82	W 103 36 4.27	4429.93	189.80	0.00
	14200.00	90.00	189.80	9875.00	4529.93	-4463.87	-770.78	394201.38	768078.34	N 32 4 53.85	W 103 36 4.47	4529.93	189.80	0.00
	14300.00	90.00	189.80	9875.00	4629.93	-4562.41	-787.80	394102.84	768061.33	N 32 4 52.87	W 103 36 4.68	4629.93	189.80	0.00
	14400.00	90.00	189.80	9875.00	4729.93	-4660.96	-804.82	394004.30	768044.31	N 32 4 51.90	W 103 36 4.88	4729.93	189.80	0.00
	14500.00	90.00	189.80	9875.00	4829.93	-4759.50	-821.83	393905.76	768027.30	N 32 4 50.93	W 103 36 5.09	4829.93	189.80	0.00
Cimarex Red Hills Unit #10H PBHL	14539.95	90.00	189.80	9875.00	4869.88	-4798.86	-828.63	393866.40	768020.50	N 32 4 50.54	W 103 36 5.17	4869.88	189.80	0.00

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	14539.947	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Red Hills Unit #10H Rev2 TP 19-Feb-