

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

HOBBS OCE
FEB 20 2014
RECEIVED
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-41661 ✓	
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 12H ✓	
9. OGRID Number 162683	
10. Pool name or Wildcat Wildcat Upper BS	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3403' GL	

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 D : 160 feet from the North line and 1340 feet from the West line
Section 32 Township 25S Range 33E NMPM Lea County

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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 12H

From 160 FNL & 1340 FWL; Sec 32-T25S-R33E
To 160 FNL & 1330 FWL; Sec 32-T25S-R33E

The MD TD will change from 14538' to 14540'. Production casing will be set at 14540'. 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

KZ

HOBBS OCD

FEB 20 2014

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

Phone (505) 393-6161 Fax: (505) 393-0720

DISTRICT II

611 S. First St., Artesia, NM 88210

Phone (505) 748-1283 Fax: (505) 748-0720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

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

Phone (505) 478-3480 Fax: (505) 478-3482

RECEIVED

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 30-025-41661	Pool Code 97994	Pool Name Wildcat Upper BS
Property Code 300545	Property Name RED HILLS UNIT	Well Number 12H
GRID No. 162683	Operator Name CIMAREX ENERGY CO.	Elevation 3403'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	32	25 S	33 E		160	NORTH	1330	WEST	LEA

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
N	32	25 S	33 E		330	SOUTH	2200	WEST	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

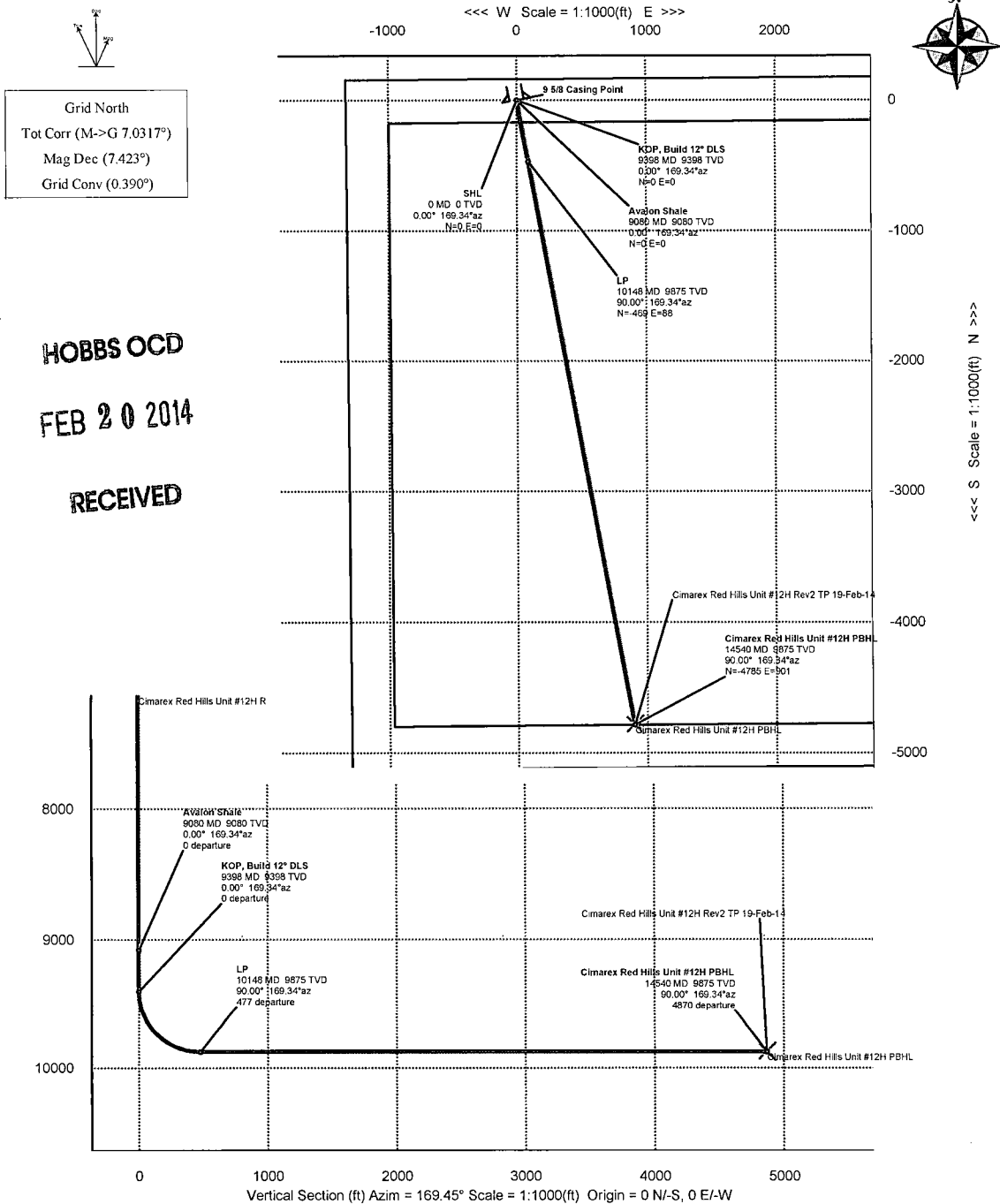
N: 398817.5 E: 767548.3 NAD 83 1330' 160' SURFACE LOCATION Lat - N 32°05'37.97" Long - W 103°35'54.81" NAD83 - N 398665.4 E 768879.1 (NAD-83)	N: 398848.7 E: 772836.8 NAD 83	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and 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
N: 393533.1 E: 787582.8 NAD 83 2200' 330' PROPOSED BOTTOM HOLE LOCATION Lat - N 32°04'50.58" Long - W 103°35'44.76" NAD83 - N 393880.1 E 769780.1 (NAD-83)	N: 393567.9 E: 772871.6 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. FEDERAL BUREAU OF SURVEY Date Surveyed Signature & Seal of Professional Surveyor Certificate No. 7977 BASIN SURVEYS SCALE: 1" = 1000' WO Num: 30099



Cimarex

PATHFINDER
A Schlumberger Company

WELL	Red Hills Unit #12H		FIELD	NM Lea County (NAD 83)		STRUCTURE	Cimarex Red Hills Unit #12H	
Magnetic Parameters Model: ICGM 2013	Dip: 5.994° Mag Dec: 7.423°	Date: February 19, 2014 FS: 48304.8mT	Surface Location Lat: N 33 53' 96" Lon: W 103 35 54' 8.13"	Northings 396569 40 NUS	Eastings 768579 10 NUS	NAD83 New Mexico State Plane, Eastern Zone, US Feet Grid Zone: 0 390° Scale Fact: 0.99996329	Miscellaneous Ref: Red Hills Unit #12H Plan: Cimarex Red Hills Unit #12H Rev2 TP 19-Feb-14	TVD Ref: Ground Level (3453.8 above MSL) TVD Ref: 4522, 2013



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
SHL	0.00	0.00	169.34	0.00	0.00	0.00	0.00	
9 5/8 Casing Point	4850.00	0.00	169.34	4850.00	0.00	0.00	0.00	0.00
Avalon Shale	9080.00	0.00	169.34	9080.00	0.00	0.00	0.00	0.00
KOP, Build 12° DLS	9397.54	0.00	169.34	9397.54	0.00	0.00	0.00	0.00
LP	10147.54	90.00	169.34	9875.00	477.46	-469.22	88.35	12.00
Cimarex Red Hills Unit #12H PBHL	14539.62	90.00	169.34	9875.00	4869.54	-4785.46	901.03	0.00

Cimarex Red Hills Unit #12H Rev2 TP 19-Feb-14 Proposal Report

(Non-Def Plan)

Report Date: February 19, 2014 - 11:22 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Red Hills Unit #12H / Red Hills Unit #12H
Well: Red Hills Unit #12H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Red Hills Unit #12H Rev2 TP 19-Feb-14
Survey Date: August 22, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4869.547 ft / 5.810 / 0.493
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 5' 37.96654", W 103° 35' 54.81271"
Location Grid N/E Y/X: N 398665.400 ftUS, E 768879.100 ftUS
CRS Grid Convergence Angle: 0.3904 °
Grid Scale Factor: 0.99996839

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 169.453 ° (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: 7.423 °
Total Field Strength: 48304.772 nT
Magnetic Dip Angle: 59.994 °
Declination Date: February 19, 2014
Magnetic Declination Model: BGGM 2013
North Reference: Grid North
Grid Convergence Used: 0.3910 °
Total Corr Mag North->Grid North: 7.0317 °
Local Coord Referenced To: Structure Reference Point

HOBBS OCD
FEB 20 2014
RECEIVED

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	169.34	0.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	N/A
	100.00	0.00	169.34	100.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	200.00	0.00	169.34	200.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	300.00	0.00	169.34	300.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	400.00	0.00	169.34	400.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	500.00	0.00	169.34	500.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	600.00	0.00	169.34	600.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	700.00	0.00	169.34	700.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	800.00	0.00	169.34	800.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	900.00	0.00	169.34	900.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1000.00	0.00	169.34	1000.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1100.00	0.00	169.34	1100.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1200.00	0.00	169.34	1200.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1300.00	0.00	169.34	1300.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1400.00	0.00	169.34	1400.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1500.00	0.00	169.34	1500.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1600.00	0.00	169.34	1600.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1700.00	0.00	169.34	1700.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1800.00	0.00	169.34	1800.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	1900.00	0.00	169.34	1900.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2000.00	0.00	169.34	2000.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2100.00	0.00	169.34	2100.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2200.00	0.00	169.34	2200.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2300.00	0.00	169.34	2300.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2400.00	0.00	169.34	2400.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2500.00	0.00	169.34	2500.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2600.00	0.00	169.34	2600.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2700.00	0.00	169.34	2700.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2800.00	0.00	169.34	2800.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	2900.00	0.00	169.34	2900.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	3000.00	0.00	169.34	3000.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	3100.00	0.00	169.34	3100.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	0.00
	3200.00	0.00	169.34	3200.00	0.00	0.00	0.00	398665.40	768879.10	N 32 537.97	W 103 35 54.81	0.00	0.00	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)
Avalon Shale	8700.00	0.00	169.34	8700.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	8800.00	0.00	169.34	8800.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	8900.00	0.00	169.34	8900.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9000.00	0.00	169.34	9000.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9080.00	0.00	169.34	9080.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9100.00	0.00	169.34	9100.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9200.00	0.00	169.34	9200.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9300.00	0.00	169.34	9300.00	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
KOP, Build 12° DLS	9397.54	0.00	169.34	9397.54	0.00	0.00	0.00	398665.40	768879.10	N 32 5 37.97	W 103 35 54.81	0.00	0.00	0.00
	9400.00	0.30	169.34	9400.00	0.01	-0.01	0.00	398665.39	768879.10	N 32 5 37.97	W 103 35 54.81	0.01	169.34	12.00
	9500.00	12.30	169.34	9499.22	10.95	-10.76	2.03	398654.64	768881.13	N 32 5 37.86	W 103 35 54.79	10.95	169.34	12.00
	9600.00	24.30	169.34	9593.99	42.29	-41.56	7.82	398623.84	768886.92	N 32 5 37.55	W 103 35 54.73	42.29	169.34	12.00
LP	9700.00	36.30	169.34	9680.17	92.64	-91.04	17.14	398574.36	768896.24	N 32 5 37.06	W 103 35 54.62	92.64	169.34	12.00
	9800.00	48.30	169.34	9754.01	159.81	-157.05	29.57	398508.35	768908.67	N 32 5 36.41	W 103 35 54.48	159.81	169.34	12.00
	9900.00	60.30	169.34	9812.26	240.87	-236.71	44.57	398428.70	768923.67	N 32 5 35.62	W 103 35 54.31	240.87	169.34	12.00
	10000.00	72.30	169.34	9852.39	332.27	-326.53	61.48	398338.88	768940.58	N 32 5 34.73	W 103 35 54.12	332.27	169.34	12.00
	10100.00	84.30	169.34	9872.64	430.01	-422.58	79.57	398242.83	768958.66	N 32 5 33.78	W 103 35 53.92	430.01	169.34	12.00
	10147.54	90.00	169.34	9875.00	477.46	-469.22	88.35	398196.20	768967.44	N 32 5 33.32	W 103 35 53.82	477.46	169.34	12.00
	10200.00	90.00	169.34	9875.00	529.93	-520.78	98.05	398144.64	768977.15	N 32 5 32.81	W 103 35 53.71	529.93	169.34	0.00
	10300.00	90.00	169.34	9875.00	629.93	-619.05	116.56	398046.37	768995.65	N 32 5 31.83	W 103 35 53.51	629.93	169.34	0.00
	10400.00	90.00	169.34	9875.00	729.93	-717.33	135.06	397948.10	769014.16	N 32 5 30.86	W 103 35 53.30	729.93	169.34	0.00
	10500.00	90.00	169.34	9875.00	829.93	-815.60	153.56	397849.83	769032.66	N 32 5 29.89	W 103 35 53.09	829.93	169.34	0.00
	10600.00	90.00	169.34	9875.00	929.93	-913.87	172.07	397751.56	769051.16	N 32 5 28.91	W 103 35 52.89	929.93	169.34	0.00
	10700.00	90.00	169.34	9875.00	1029.93	-1012.15	190.57	397653.29	769069.67	N 32 5 27.94	W 103 35 52.68	1029.93	169.34	0.00
	10800.00	90.00	169.34	9875.00	1129.93	-1110.42	209.08	397555.02	769088.17	N 32 5 26.96	W 103 35 52.47	1129.93	169.34	0.00
	10900.00	90.00	169.34	9875.00	1229.93	-1208.69	227.58	397456.75	769106.67	N 32 5 25.99	W 103 35 52.26	1229.93	169.34	0.00
	11000.00	90.00	169.34	9875.00	1329.93	-1306.96	246.08	397358.48	769125.17	N 32 5 25.02	W 103 35 52.06	1329.93	169.34	0.00
	11100.00	90.00	169.34	9875.00	1429.93	-1405.24	264.59	397260.21	769143.68	N 32 5 24.04	W 103 35 51.85	1429.93	169.34	0.00
	11200.00	90.00	169.34	9875.00	1529.93	-1503.51	283.09	397161.94	769162.18	N 32 5 23.07	W 103 35 51.64	1529.93	169.34	0.00
	11300.00	90.00	169.34	9875.00	1629.93	-1601.78	301.59	397063.67	769180.68	N 32 5 22.10	W 103 35 51.43	1629.93	169.34	0.00
	11400.00	90.00	169.34	9875.00	1729.93	-1700.06	320.10	396965.40	769199.18	N 32 5 21.12	W 103 35 51.23	1729.93	169.34	0.00
	11500.00	90.00	169.34	9875.00	1829.93	-1798.33	338.60	396867.13	769217.69	N 32 5 20.15	W 103 35 51.02	1829.93	169.34	0.00
	11600.00	90.00	169.34	9875.00	1929.93	-1896.60	357.10	396768.86	769236.19	N 32 5 19.18	W 103 35 50.81	1929.93	169.34	0.00
	11700.00	90.00	169.34	9875.00	2029.93	-1994.88	375.61	396670.59	769254.69	N 32 5 18.20	W 103 35 50.60	2029.93	169.34	0.00
	11800.00	90.00	169.34	9875.00	2129.93	-2093.15	394.11	396572.32	769273.20	N 32 5 17.23	W 103 35 50.40	2129.93	169.34	0.00
	11900.00	90.00	169.34	9875.00	2229.93	-2191.42	412.61	396474.05	769291.70	N 32 5 16.25	W 103 35 50.19	2229.93	169.34	0.00
	12000.00	90.00	169.34	9875.00	2329.92	-2289.70	431.12	396375.78	769310.20	N 32 5 15.28	W 103 35 49.98	2329.93	169.34	0.00
	12100.00	90.00	169.34	9875.00	2429.92	-2387.97	449.62	396277.51	769328.70	N 32 5 14.31	W 103 35 49.78	2429.93	169.34	0.00
	12200.00	90.00	169.34	9875.00	2529.92	-2486.24	468.12	396179.24	769347.21	N 32 5 13.33	W 103 35 49.57	2529.93	169.34	0.00
	12300.00	90.00	169.34	9875.00	2629.92	-2584.52	486.63	396080.97	769365.71	N 32 5 12.36	W 103 35 49.36	2629.93	169.34	0.00
	12400.00	90.00	169.34	9875.00	2729.92	-2682.79	505.13	395982.70	769384.21	N 32 5 11.39	W 103 35 49.15	2729.93	169.34	0.00
	12500.00	90.00	169.34	9875.00	2829.92	-2781.06	523.63	395884.43	769402.71	N 32 5 10.41	W 103 35 48.95	2829.93	169.34	0.00
	12600.00	90.00	169.34	9875.00	2929.92	-2879.34	542.14	395786.16	769421.22	N 32 5 9.44	W 103 35 48.74	2929.93	169.34	0.00
	12700.00	90.00	169.34	9875.00	3029.92	-2977.61	560.64	395687.89	769439.72	N 32 5 8.46	W 103 35 48.53	3029.93	169.34	0.00
	12800.00	90.00	169.34	9875.00	3129.92	-3075.88	579.14	395589.62	769458.22	N 32 5 7.49	W 103 35 48.33	3129.93	169.34	0.00
	12900.00	90.00	169.34	9875.00	3229.92	-3174.16	597.65	395491.35	769476.73	N 32 5 6.52	W 103 35 48.12	3229.93	169.34	0.00
	13000.00	90.00	169.34	9875.00	3329.92	-3272.43	616.15	395393.08	769495.23	N 32 5 5.54	W 103 35 47.91	3329.93	169.34	0.00
	13100.00	90.00	169.34	9875.00	3429.92	-3370.70	634.65	395294.81	769513.73	N 32 5 4.57	W 103 35 47.70	3429.93	169.34	0.00
	13200.00	90.00	169.34	9875.00	3529.92	-3468.98	653.16	395196.54	769532.23	N 32 5 3.60	W 103 35 47.50	3529.93	169.34	0.00
	13300.00	90.00	169.34	9875.00	3629.92	-3567.25	671.66	395098.27	769550.74	N 32 5 2.62	W 103 35 47.29	3629.93	169.34	0.00
	13400.00	90.00	169.34	9875.00	3729.92	-3665.52	690.16	395000.00	769569.24	N 32 5 1.65	W 103 35 47.08	3729.93	169.34	0.00
	13500.00	90.00	169.34	9875.00	3829.92	-3763.80	708.67	394901.73	769587.74	N 32 5 0.68	W 103 35 46.87	3829.93	169.34	0.00
	13600.00	90.00	169.34	9875.00	3929.92	-3862.07	727.17	394803.46	769606.24	N 32 4 59.70	W 103 35 46.67	3929.93	169.34	0.00
	13700.00	90.00	169.34	9875.00	4029.92	-3960.34	745.67	394705.19	769624.75	N 32 4 58.73	W 103 35 46.46	4029.93	169.34	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	169.34	9875.00	4129.92	-4058.61	764.18	394606.92	769643.25	N 32 4 57.75	W 103 35 46.25	4129.93	169.34	0.00
	13900.00	90.00	169.34	9875.00	4229.92	-4156.89	782.68	394508.65	769661.75	N 32 4 56.78	W 103 35 46.05	4229.93	169.34	0.00
	14000.00	90.00	169.34	9875.00	4329.92	-4255.16	801.18	394410.38	769680.26	N 32 4 55.81	W 103 35 45.84	4329.93	169.34	0.00
	14100.00	90.00	169.34	9875.00	4429.92	-4353.43	819.69	394312.11	769698.76	N 32 4 54.83	W 103 35 45.63	4429.93	169.34	0.00
	14200.00	90.00	169.34	9875.00	4529.92	-4451.71	838.19	394213.84	769717.26	N 32 4 53.86	W 103 35 45.42	4529.93	169.34	0.00
	14300.00	90.00	169.34	9875.00	4629.92	-4549.98	856.69	394115.57	769735.76	N 32 4 52.89	W 103 35 45.22	4629.93	169.34	0.00
	14400.00	90.00	169.34	9875.00	4729.92	-4648.25	875.20	394017.30	769754.27	N 32 4 51.91	W 103 35 45.01	4729.93	169.34	0.00
	14500.00	90.00	169.34	9875.00	4829.92	-4746.53	893.70	393919.03	769772.77	N 32 4 50.94	W 103 35 44.80	4829.93	169.34	0.00
Cimarex Red Hills Unit #12H PBHL	14539.62	90.00	169.34	9875.00	4869.54	-4785.46	901.03	393880.10	769780.10	N 32 4 50.55	W 103 35 44.72	4869.55	169.34	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	14539.618	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Red Hills Unit #12H Rev2 TP 19-Feb-