

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM120350

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
HORNSBY 35 FEDERAL COM 10H9. API Well No.
30-015-42170-00-X110. Field and Pool, or Exploratory
WILDCAT11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Contact: DEYSI FAVELA

CIMAREX ENERGY COMPANY OF CO-Mail: dfavela@cimarex.com

3a. Address

600 NORTH MARIENFELD STREET SUITE 600
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-620-1964

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 35 T26S R27E Lot 1 0210FSL 0790FEL
32.000207 N Lat, 104.091722 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy respectfully requests changes to the APD:

Directional Plan Change / BHL Move

Approved:

BHL 660' FNL & 790 FEL'

KOP 9603'

EOC 10351'

MD 16445'

TVD 10100'

PH 10850'

Pool Wolfcamp

Accepted for record
NMOCD

6-23-14

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 20 2014

RECEIVED

Original COAs Still Stand

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #246690 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by CATHY QUEEN on 06/05/2014 (14CQ0103SE)

Name (Printed/Typed) DEYSI FAVELA

Title DRILLING TECH

Signature (Electronic Submission)

Date 05/22/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #246690 that would not fit on the form

32. Additional remarks, continued

Proposed:
BHL 330' FNL & 790 FEL'
KOP 9591'
EOC 10341'
MD 16755'
TVD 10068'
PH 10850 (no change)
Pool Wolfcamp C Horizontal

DISTRICT I
1025 N. French Dr., Hobbs, NM 88240
Phone (505) 593-5101 Fax: (505) 593-5175

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 746-1263 Fax: (505) 746-0770

DISTRICT III
1000 Rio Branson Rd., Aztec, NM 87410
Phone (505) 534-5175 Fax: (505) 534-5170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3468

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30015-42170	Pool Code 98017	Pool Name WC-015 S262728A; WC (Gas)
Property Code 40444	Property Name HORNSBY "35" FEDERAL COM	Well Number 10H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3229'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	35	26 S	27 E		210	SOUTH	790	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
A	26	26 S	27 E		330	NORTH	790	EAST	EDDY

Dedicated Acres 448.31	Joint or Infill	Consolidation Code	Order No. NSL/NSP pending
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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

LOT 1 3153.4' 3152.7' 3143.0' 3135.4'		LOT 2 3153.4' 3152.7' 3143.0' 3135.4'		LOT 3 3153.4' 3152.7' 3143.0' 3135.4'		LOT 4 3153.4' 3152.7' 3143.0' 3135.4'		LOT 5 3153.4' 3152.7' 3143.0' 3135.4'		LOT 6 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 7 3153.4' 3152.7' 3143.0' 3135.4'		LOT 8 3153.4' 3152.7' 3143.0' 3135.4'		LOT 9 3153.4' 3152.7' 3143.0' 3135.4'		LOT 10 3153.4' 3152.7' 3143.0' 3135.4'		LOT 11 3153.4' 3152.7' 3143.0' 3135.4'		LOT 12 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 13 3153.4' 3152.7' 3143.0' 3135.4'		LOT 14 3153.4' 3152.7' 3143.0' 3135.4'		LOT 15 3153.4' 3152.7' 3143.0' 3135.4'		LOT 16 3153.4' 3152.7' 3143.0' 3135.4'		LOT 17 3153.4' 3152.7' 3143.0' 3135.4'		LOT 18 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 19 3153.4' 3152.7' 3143.0' 3135.4'		LOT 20 3153.4' 3152.7' 3143.0' 3135.4'		LOT 21 3153.4' 3152.7' 3143.0' 3135.4'		LOT 22 3153.4' 3152.7' 3143.0' 3135.4'		LOT 23 3153.4' 3152.7' 3143.0' 3135.4'		LOT 24 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 25 3153.4' 3152.7' 3143.0' 3135.4'		LOT 26 3153.4' 3152.7' 3143.0' 3135.4'		LOT 27 3153.4' 3152.7' 3143.0' 3135.4'		LOT 28 3153.4' 3152.7' 3143.0' 3135.4'		LOT 29 3153.4' 3152.7' 3143.0' 3135.4'		LOT 30 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 31 3153.4' 3152.7' 3143.0' 3135.4'		LOT 32 3153.4' 3152.7' 3143.0' 3135.4'		LOT 33 3153.4' 3152.7' 3143.0' 3135.4'		LOT 34 3153.4' 3152.7' 3143.0' 3135.4'		LOT 35 3153.4' 3152.7' 3143.0' 3135.4'		LOT 36 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 37 3153.4' 3152.7' 3143.0' 3135.4'		LOT 38 3153.4' 3152.7' 3143.0' 3135.4'		LOT 39 3153.4' 3152.7' 3143.0' 3135.4'		LOT 40 3153.4' 3152.7' 3143.0' 3135.4'		LOT 41 3153.4' 3152.7' 3143.0' 3135.4'		LOT 42 3153.4' 3152.7' 3143.0' 3135.4'	
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LOT 187 3153.4' 3152.7' 3143.0' 3135.4'		LOT 188 3153.4' 3152.7' 3143.0' 3135.4'		LOT 189 3153.4' 3152.7' 3143.0' 3135.4'		LOT 190 3153.4' 3152.7' 3143.0' 3135.4'		LOT 191 3153.4' 3152.7' 3143.0' 3135.4'		LOT 192 3153.4' 3152.7' 3143.0' 3135.4'	
LOT 193 3153.4' 3152.7' 3143.0' 3135.4'		LOT 194 3153.4' 3152.7' 3143.0' 3135.4'		LOT 195 3153.4' 3152.7' 3143.0' 3135.4'		LOT 196 3153.4' 3152.7' 3143.0' 3135.4'		LOT 197 3153.4' 3152.7' 3143.0' 3135.4'		LOT 198 3153.4' 3	



		Critical Points						
<u>Critical Point</u>	<u>MD</u>	<u>INCL</u>	<u>AZIM</u>	<u>IVD</u>	<u>VSEC</u>	<u>N(+)/S(-)</u>	<u>E(+)/W(-)</u>	<u>DLS</u>
Tie-In to Pilot	9550.00	0.00	359.86	9550.00	0.00	0.00	0.00	
KOP - Build 12"/100ft DLS	9590.50	0.00	359.86	9590.50	0.00	0.00	0.00	0.00
Landing point	10340.56	90.00	359.86	10068.00	477.50	477.50	-1.13	12.00
Cimarex Hornsby 35 Federal Com 10H PBHL	16754.69	90.00	359.86	10068.00	6891.64	6891.62	-16.30	0.00



Cimarex Hornsby 35 Federal Com 10H ST01 Rev1 WEB 16-May-14 Proposal
Geodetic Report 100' Interpolated
(Non-Def Plan)



Report Date:	May 16, 2014 - 04:15 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Cimarex	Vertical Section Azimuth:	359.867 ° (Grid North)
Field:	NM Eddy County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Cimarex Hornsby 35 Federal Com 10H / Cimarex Hornsby 35 Federal Com 10H	TVD Reference Datum:	Ground level
Well:	Cimarex Hornsby 35 Federal Com 10H	TVD Reference Elevation:	3229.000 ft above
Borehole:	ST01 Borehole	Seabed / Ground Elevation:	3229.000 ft above
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.662 °
Survey Name:	Cimarex Hornsby 35 Federal Com 10H ST01 Rev1 WEB 16-May-14	Total Gravity Field Strength:	998.4855mgn (9.80665 Based)
Survey Date:	October 14, 2013	Total Magnetic Field Strength:	48163.559 nT
Tort / AHD / DDI / ERD Ratio:	90.001 ° / 6891.639 ft / 6.014 / 0.685	Magnetic Dip Angle:	59.803 °
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Declination Date:	October 14, 2013
Location Lat / Long:	N 32° 0' 2.06606", W 104° 9' 17.22771"	Magnetic Declination Model:	BGGM 2013
Location Grid N/E Y/X:	N 363994.000 ftUS, E 596684.900 ftUS	North Reference:	Grid North
CRS Grid Convergence Angle:	0.0946 °	Grid Convergence Used:	0.0946 °
Grid Scale Factor:	0.9999126	Total Corr Mag North->Grid North:	7.5672 °

Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
Tie-In to Pilot	9550.00	0.00	359.86	9550.00	0.00	0.00	0.00	N/A	363994.00	596684.90	N 32 0 2.07	W 104 9 17.23
KOP - Build	9590.50	0.00	359.86	9590.50	0.00	0.00	0.00	0.00	363994.00	596684.90	N 32 0 2.07	W 104 9 17.23
12"/100ft DLS	9600.00	1.14	359.86	9600.00	0.09	0.09	0.00	12.00	363994.09	596684.90	N 32 0 2.07	W 104 9 17.23
	9700.00	13.14	359.86	9699.04	12.50	12.50	-0.03	12.00	364006.50	596684.87	N 32 0 2.19	W 104 9 17.23
	9800.00	25.14	359.86	9793.34	45.23	45.23	-0.11	12.00	364039.22	596684.79	N 32 0 2.51	W 104 9 17.23
	9900.00	37.14	359.86	9878.78	96.84	96.84	-0.23	12.00	364090.83	596684.67	N 32 0 3.02	W 104 9 17.23
	10000.00	49.14	359.86	9951.62	165.09	165.09	-0.39	12.00	364159.08	596684.51	N 32 0 3.70	W 104 9 17.23
	10100.00	61.14	359.86	10008.68	246.99	246.99	-0.58	12.00	364240.97	596684.32	N 32 0 4.51	W 104 9 17.23
	10200.00	73.13	359.86	10047.46	338.97	338.96	-0.80	12.00	364332.93	596684.10	N 32 0 5.42	W 104 9 17.23
	10300.00	85.13	359.86	10066.28	436.99	436.99	-1.03	12.00	364430.95	596683.87	N 32 0 6.39	W 104 9 17.23
Landing point	10340.56	90.00	359.86	10068.00	477.50	477.50	-1.13	12.00	364471.46	596683.77	N 32 0 6.79	W 104 9 17.23
	10400.00	90.00	359.86	10068.00	536.94	536.94	-1.27	0.00	364530.90	596683.63	N 32 0 7.38	W 104 9 17.23
	10500.00	90.00	359.86	10068.00	636.94	636.94	-1.50	0.00	364630.89	596683.40	N 32 0 8.37	W 104 9 17.23
	10600.00	90.00	359.86	10068.00	736.94	736.94	-1.74	0.00	364730.88	596683.16	N 32 0 9.36	W 104 9 17.23
	10700.00	90.00	359.86	10068.00	836.94	836.94	-1.98	0.00	364830.87	596682.92	N 32 0 10.35	W 104 9 17.23
	10800.00	90.00	359.86	10068.00	936.94	936.94	-2.21	0.00	364930.86	596682.69	N 32 0 11.34	W 104 9 17.24
	10900.00	90.00	359.86	10068.00	1036.94	1036.94	-2.45	0.00	365030.85	596682.45	N 32 0 12.33	W 104 9 17.24
	11000.00	90.00	359.86	10068.00	1136.94	1136.94	-2.69	0.00	365130.84	596682.21	N 32 0 13.32	W 104 9 17.24
	11100.00	90.00	359.86	10068.00	1236.94	1236.94	-2.92	0.00	365230.83	596681.98	N 32 0 14.31	W 104 9 17.24
	11200.00	90.00	359.86	10068.00	1336.94	1336.94	-3.16	0.00	365330.82	596681.74	N 32 0 15.30	W 104 9 17.24
	11300.00	90.00	359.86	10068.00	1436.94	1436.94	-3.40	0.00	365430.81	596681.50	N 32 0 16.29	W 104 9 17.24

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	11400.00	90.00	359.86	10068.00	1536.94	1536.94	-3.63	0.00	365530.80	596681.27	N 32 0 17.27	W 104 9 17.24
	11500.00	90.00	359.86	10068.00	1636.94	1636.94	-3.87	0.00	365630.79	596681.03	N 32 0 18.26	W 104 9 17.24
	11600.00	90.00	359.86	10068.00	1736.94	1736.94	-4.11	0.00	365730.78	596680.79	N 32 0 19.25	W 104 9 17.24
	11700.00	90.00	359.86	10068.00	1836.94	1836.94	-4.34	0.00	365830.78	596680.56	N 32 0 20.24	W 104 9 17.24
	11800.00	90.00	359.86	10068.00	1936.94	1936.94	-4.58	0.00	365930.77	596680.32	N 32 0 21.23	W 104 9 17.24
	11900.00	90.00	359.86	10068.00	2036.94	2036.94	-4.82	0.00	366030.76	596680.08	N 32 0 22.22	W 104 9 17.24
	12000.00	90.00	359.86	10068.00	2136.94	2136.94	-5.05	0.00	366130.75	596679.85	N 32 0 23.21	W 104 9 17.25
	12100.00	90.00	359.86	10068.00	2236.94	2236.94	-5.29	0.00	366230.74	596679.61	N 32 0 24.20	W 104 9 17.25
	12200.00	90.00	359.86	10068.00	2336.94	2336.94	-5.53	0.00	366330.73	596679.38	N 32 0 25.19	W 104 9 17.25
	12300.00	90.00	359.86	10068.00	2436.94	2436.94	-5.76	0.00	366430.72	596679.14	N 32 0 26.18	W 104 9 17.25
	12400.00	90.00	359.86	10068.00	2536.94	2536.94	-6.00	0.00	366530.71	596678.90	N 32 0 27.17	W 104 9 17.25
	12500.00	90.00	359.86	10068.00	2636.94	2636.94	-6.24	0.00	366630.70	596678.67	N 32 0 28.16	W 104 9 17.25
	12600.00	90.00	359.86	10068.00	2736.94	2736.94	-6.47	0.00	366730.69	596678.43	N 32 0 29.15	W 104 9 17.25
	12700.00	90.00	359.86	10068.00	2836.94	2836.94	-6.71	0.00	366830.68	596678.19	N 32 0 30.14	W 104 9 17.25
	12800.00	90.00	359.86	10068.00	2936.94	2936.94	-6.94	0.00	366930.67	596677.96	N 32 0 31.13	W 104 9 17.25
	12900.00	90.00	359.86	10068.00	3036.94	3036.94	-7.18	0.00	367030.66	596677.72	N 32 0 32.12	W 104 9 17.25
	13000.00	90.00	359.86	10068.00	3136.94	3136.94	-7.42	0.00	367130.66	596677.48	N 32 0 33.11	W 104 9 17.25
	13100.00	90.00	359.86	10068.00	3236.94	3236.94	-7.65	0.00	367230.65	596677.25	N 32 0 34.10	W 104 9 17.25
	13200.00	90.00	359.86	10068.00	3336.94	3336.94	-7.89	0.00	367330.64	596677.01	N 32 0 35.09	W 104 9 17.26
	13300.00	90.00	359.86	10068.00	3436.94	3436.94	-8.13	0.00	367430.63	596676.77	N 32 0 36.08	W 104 9 17.26
	13400.00	90.00	359.86	10068.00	3536.94	3536.93	-8.36	0.00	367530.62	596676.54	N 32 0 37.07	W 104 9 17.26
	13500.00	90.00	359.86	10068.00	3636.94	3636.93	-8.60	0.00	367630.61	596676.30	N 32 0 38.06	W 104 9 17.26
	13600.00	90.00	359.86	10068.00	3736.94	3736.93	-8.84	0.00	367730.60	596676.06	N 32 0 39.04	W 104 9 17.26
	13700.00	90.00	359.86	10068.00	3836.94	3836.93	-9.07	0.00	367830.59	596675.83	N 32 0 40.03	W 104 9 17.26
	13800.00	90.00	359.86	10068.00	3936.94	3936.93	-9.31	0.00	367930.58	596675.59	N 32 0 41.02	W 104 9 17.26
	13900.00	90.00	359.86	10068.00	4036.94	4036.93	-9.55	0.00	368030.57	596675.35	N 32 0 42.01	W 104 9 17.26
	14000.00	90.00	359.86	10068.00	4136.94	4136.93	-9.78	0.00	368130.56	596675.12	N 32 0 43.00	W 104 9 17.26
	14100.00	90.00	359.86	10068.00	4236.94	4236.93	-10.02	0.00	368230.55	596674.88	N 32 0 43.99	W 104 9 17.26
	14200.00	90.00	359.86	10068.00	4336.94	4336.93	-10.26	0.00	368330.54	596674.64	N 32 0 44.98	W 104 9 17.26
	14300.00	90.00	359.86	10068.00	4436.94	4436.93	-10.49	0.00	368430.54	596674.41	N 32 0 45.97	W 104 9 17.26
	14400.00	90.00	359.86	10068.00	4536.94	4536.93	-10.73	0.00	368530.53	596674.17	N 32 0 46.96	W 104 9 17.27
	14500.00	90.00	359.86	10068.00	4636.94	4636.93	-10.97	0.00	368630.52	596673.93	N 32 0 47.95	W 104 9 17.27
	14600.00	90.00	359.86	10068.00	4736.94	4736.93	-11.20	0.00	368730.51	596673.70	N 32 0 48.94	W 104 9 17.27
	14700.00	90.00	359.86	10068.00	4836.94	4836.93	-11.44	0.00	368830.50	596673.46	N 32 0 49.93	W 104 9 17.27
	14800.00	90.00	359.86	10068.00	4936.94	4936.93	-11.68	0.00	368930.49	596673.22	N 32 0 50.92	W 104 9 17.27
	14900.00	90.00	359.86	10068.00	5036.94	5036.93	-11.91	0.00	369030.48	596672.99	N 32 0 51.91	W 104 9 17.27
	15000.00	90.00	359.86	10068.00	5136.94	5136.93	-12.15	0.00	369130.47	596672.75	N 32 0 52.90	W 104 9 17.27
	15100.00	90.00	359.86	10068.00	5236.94	5236.93	-12.39	0.00	369230.46	596672.51	N 32 0 53.89	W 104 9 17.27
	15200.00	90.00	359.86	10068.00	5336.94	5336.93	-12.62	0.00	369330.45	596672.28	N 32 0 54.88	W 104 9 17.27
	15300.00	90.00	359.86	10068.00	5436.94	5436.93	-12.86	0.00	369430.44	596672.04	N 32 0 55.87	W 104 9 17.27
	15400.00	90.00	359.86	10068.00	5536.94	5536.93	-13.10	0.00	369530.43	596671.80	N 32 0 56.86	W 104 9 17.27
	15500.00	90.00	359.86	10068.00	5636.94	5636.93	-13.33	0.00	369630.43	596671.57	N 32 0 57.85	W 104 9 17.27
	15600.00	90.00	359.86	10068.00	5736.94	5736.93	-13.57	0.00	369730.42	596671.33	N 32 0 58.84	W 104 9 17.28
	15700.00	90.00	359.86	10068.00	5836.94	5836.93	-13.81	0.00	369830.41	596671.10	N 32 0 59.83	W 104 9 17.28
	15800.00	90.00	359.86	10068.00	5936.94	5936.93	-14.04	0.00	369930.40	596670.86	N 32 1 0 0.81	W 104 9 17.28
	15900.00	90.00	359.86	10068.00	6036.94	6036.93	-14.28	0.00	370030.39	596670.62	N 32 1 0 1.80	W 104 9 17.28
	16000.00	90.00	359.86	10068.00	6136.94	6136.93	-14.52	0.00	370130.38	596670.39	N 32 1 0 2.79	W 104 9 17.28
	16100.00	90.00	359.86	10068.00	6236.94	6236.93	-14.75	0.00	370230.37	596670.15	N 32 1 0 3.78	W 104 9 17.28
	16200.00	90.00	359.86	10068.00	6336.94	6336.93	-14.99	0.00	370330.36	596669.91	N 32 1 0 4.77	W 104 9 17.28

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	16300.00	90.00	359.86	10068.00	6436.94	6436.93	-15.23	0.00	370430.35	596669.68	N 32 1 5.76	W 104 9 17.28
	16400.00	90.00	359.86	10068.00	6536.94	6536.93	-15.46	0.00	370530.34	596669.44	N 32 1 6.75	W 104 9 17.28
	16500.00	90.00	359.86	10068.00	6636.94	6636.93	-15.70	0.00	370630.33	596669.20	N 32 1 7.74	W 104 9 17.28
	16600.00	90.00	359.86	10068.00	6736.94	6736.93	-15.94	0.00	370730.32	596668.97	N 32 1 8.73	W 104 9 17.28
	16700.00	90.00	359.86	10068.00	6836.94	6836.93	-16.17	0.00	370830.31	596668.73	N 32 1 9.72	W 104 9 17.28
Cimarex Hornsby 35 Federal Com 10H PBHL	16754.69	90.00	359.86	10068.00	6891.64	6891.62	-16.30	0.00	370885.00	596668.60	N 32 1 10.26	W 104 9 17.28

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	9550.000	1/100.000	30.000	30.000	SLB_MWD-POOR	Pilot Borehole / Cimarex Hornsby 35 Federal Com 10H Pilot Rev0
	9550.000	16754.695	1/100.000	30.000	30.000	SLB_MWD-STD	ST01 Borehole / Cimarex Hornsby 35 Federal Com 10H