

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM120350
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1964	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 35 T26S R27E Lot 4 0210FSL 1230FWL 32.000208 N Lat, 104.095492 W Lon		8. Well Name and No. HORNSBY 35 FEDERAL COM 1H
		9. API Well No. 30-015-42164-00-X1
		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

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 & 710' FWL
KOP 9591'
EOC 10341'
MD 16411'
TVD 10068'
PH 10850'
Pool Wolfcamp

Accepted for record
tes NMOC
6674

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 06 2014

RECEIVED

Original COAs still apply

14. I hereby certify that the foregoing is true and correct. Electronic Submission #246674 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 05/28/2014 (14CQ0055SE)	
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	

APPROVED
JUN 2 2014
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 #246674 that would not fit on the form

32. Additional remarks, continued

Proposed:

BHL 330' FNL & 710' FWL

KOP 9591'

EOC 10341'

MD 16734'

TVD 10068'

PH 10850 (no change)

Pool Wolfcamp C Horizontal

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240
Phone (606) 893-8181 Fax: (606) 893-8720

DISTRICT II
611 S. First St., Artesia, NM 88210
Phone (606) 748-1203 Fax: (606) 748-0720

DISTRICT III
1000 Rio Bravos Rd., Aztec, NM 87410
Phone (606) 554-6178 Fax: (606) 554-6175

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (606) 476-2400 Fax: (606) 476-2100

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 30015-42164	Pool Code 98017	Pool Name WC-015 S262728A; WC (Gas)
Property Code 40444	Property Name HORNSBY 35 FEDERAL COM	Well Number 1H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3277'

Surface Location

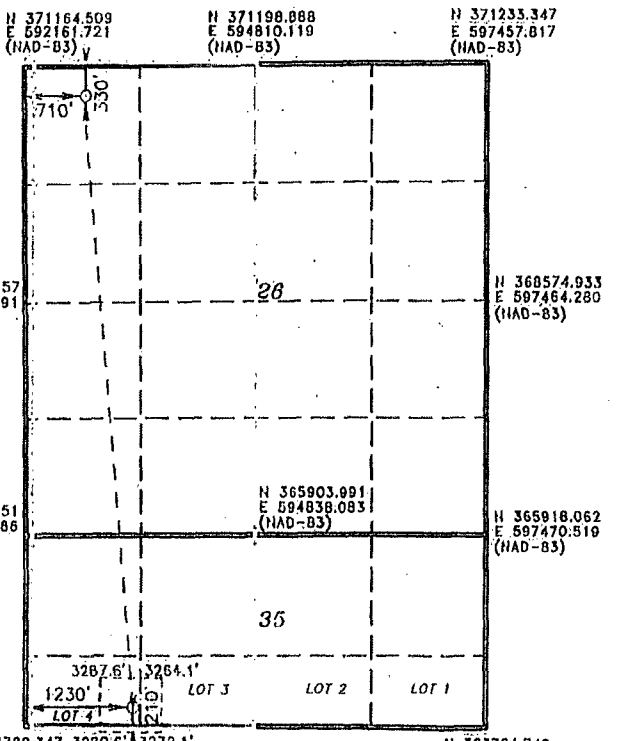
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 4	35	26 S	27 E		210	SOUTH	1230	WEST	EDDY

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
D	26	26 S	27 E		330	NORTH	710	WEST	EDDY

Dedicated Acres 448.09	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

PROPOSED BOTTOM HOLE LOCATION Lot - N 32°01'09.91" Long - W 104°10'01.36" NMSPC- N 370843.7 E 592874.4 (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, unless stated otherwise, 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>Deysi Favela</i> 5-2-14 Signature Date Deysi Favela Printed Name dfavela@cimarex.com Email Address
SURFACE LOCATION Lot - N 32°00'07.08" Long - W 104°08'54.92" NMSPC- N 363981.207 E 593439.575 (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. <i>Gary L. Jones</i> Signature & Seal of Professional Surveyor Date Surveyed: 5-2-14 Certificante No. Gary L. Jones 7977 BASIN SURVEYS 29237



Cimarex Hornsby 35 Federal Com 1H ST01 Rev1 WEB 16-May-14 Proposal Geodetic Report (Non-Def Plan)



Report Date: May 16, 2014 - 02:04 PM
Client: Cimarex
Field: NM Eddy County (NAD 83)
Structure / Slot: Cimarex Hornsby 35 Federal Com 1H / Cimarex Hornsby 35 Federal Com 1H
Well: Cimarex Hornsby 35 Federal Com 1H
Borehole: ST01 Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Hornsby 35 Federal Com 1H ST01 Rev1 WEB 16-May-14
Survey Date: October 09, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 6871.252 ft / 6.012 / 0.682
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 0' 2.08990", W 104° 9' 54.91692"
Location Grid N/E Y/X: N 363991.207 ftUS, E 593439.575 ftUS
CRS Grid Convergence Angle: 0.0891 °
Grid Scale Factor: 0.9999122

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 355.070 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground level
TVD Reference Elevation: 3277.000 ft above
Seabed / Ground Elevation: 3277.000 ft above
Magnetic Declination: 7.668 °
Total Gravity Field Strength: 998.4809mgn (9.80665 Based).
Total Magnetic Field Strength: 48163.455 nT
Magnetic Dip Angle: 59.801 °
Declination Date: October 09, 2013
Magnetic Declination Model: BGGM 2013
North Reference: Grid North
Grid Convergence Used: 0.0891 °
Total Corr Mag North->Grid North: 7.5791 °
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 Hole	9550.00	0.00	355.29	9550.00	0.00	0.00	0.00	N/A	363991.21	593439.58	N 32 0 2.09	W 104 9 54.92
KOP - Build	9590.50	0.00	355.29	9590.50	0.00	0.00	0.00	0.00	363991.21	593439.58	N 32 0 2.09	W 104 9 54.92
12°/100ft DLS	9600.00	1.14	355.29	9600.00	0.09	0.09	-0.01	12.00	363991.30	593439.57	N 32 0 2.09	W 104 9 54.92
	9700.00	13.14	355.29	9699.04	12.50	12.46	-1.03	12.00	364003.66	593438.55	N 32 0 2.21	W 104 9 54.93
	9800.00	25.14	355.29	9793.34	45.23	45.07	-3.72	12.00	364036.28	593435.86	N 32 0 2.54	W 104 9 54.96
	9900.00	37.14	355.29	9878.78	96.84	96.51	-7.96	12.00	364087.71	593431.62	N 32 0 3.05	W 104 9 55.01
	10000.00	49.14	355.29	9951.62	165.09	164.53	-13.57	12.00	364155.72	593426.01	N 32 0 3.72	W 104 9 55.07
	10100.00	61.14	355.29	10008.68	246.99	246.16	-20.30	12.00	364237.34	593419.27	N 32 0 4.53	W 104 9 55.15
	10200.00	73.13	355.29	10047.46	338.96	337.82	-27.86	12.00	364329.00	593411.71	N 32 0 5.43	W 104 9 55.23
	10300.00	85.13	355.29	10066.28	436.99	435.51	-35.92	12.00	364426.68	593403.66	N 32 0 6.40	W 104 9 55.33
Landing Point	10340.56	90.00	355.29	10068.00	477.50	475.88	-39.25	12.00	364467.05	593400.33	N 32 0 6.80	W 104 9 55.36
	10400.00	90.00	355.29	10068.00	536.94	535.13	-44.14	0.00	364526.29	593395.44	N 32 0 7.39	W 104 9 55.42
	10500.00	90.00	355.29	10068.00	636.94	634.79	-52.36	0.00	364625.94	593387.22	N 32 0 8.37	W 104 9 55.51
	10600.00	90.00	355.29	10068.00	736.94	734.45	-60.58	0.00	364725.59	593379.00	N 32 0 9.36	W 104 9 55.61
	10700.00	90.00	355.29	10068.00	836.94	834.11	-68.80	0.00	364825.24	593370.79	N 32 0 10.34	W 104 9 55.70
	10800.00	90.00	355.29	10068.00	936.94	933.77	-77.02	0.00	364924.90	593362.57	N 32 0 11.33	W 104 9 55.79
	10900.00	90.00	355.29	10068.00	1036.94	1033.44	-85.24	0.00	365024.55	593354.35	N 32 0 12.32	W 104 9 55.89
	11000.00	90.00	355.29	10068.00	1136.94	1133.10	-93.45	0.00	365124.20	593346.13	N 32 0 13.30	W 104 9 55.98
	11100.00	90.00	355.29	10068.00	1236.94	1232.76	-101.67	0.00	365223.86	593337.91	N 32 0 14.29	W 104 9 56.08
	11200.00	90.00	355.29	10068.00	1336.94	1332.42	-109.89	0.00	365323.51	593329.69	N 32 0 15.28	W 104 9 56.17
	11300.00	90.00	355.29	10068.00	1436.93	1432.08	-118.11	0.00	365423.16	593321.47	N 32 0 16.26	W 104 9 56.26

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	355.29	10068.00	1536.93	1531.74	-126.33	0.00	365522.81	593313.25	N 32 0 17.25	W 104 9 56.36
	11500.00	90.00	355.29	10068.00	1636.93	1631.41	-134.55	0.00	365622.47	593305.03	N 32 0 18.24	W 104 9 56.45
	11600.00	90.00	355.29	10068.00	1736.93	1731.07	-142.77	0.00	365722.12	593296.81	N 32 0 19.22	W 104 9 56.54
	11700.00	90.00	355.29	10068.00	1836.93	1830.73	-150.99	0.00	365821.77	593288.60	N 32 0 20.21	W 104 9 56.64
	11800.00	90.00	355.29	10068.00	1936.93	1930.39	-159.21	0.00	365921.42	593280.38	N 32 0 21.19	W 104 9 56.73
	11900.00	90.00	355.29	10068.00	2036.93	2030.05	-167.43	0.00	366021.08	593272.16	N 32 0 22.18	W 104 9 56.82
	12000.00	90.00	355.29	10068.00	2136.93	2129.71	-175.65	0.00	366120.73	593263.94	N 32 0 23.17	W 104 9 56.92
	12100.00	90.00	355.29	10068.00	2236.93	2229.38	-183.87	0.00	366220.38	593255.72	N 32 0 24.15	W 104 9 57.01
	12200.00	90.00	355.29	10068.00	2336.93	2329.04	-192.09	0.00	366320.03	593247.50	N 32 0 25.14	W 104 9 57.11
	12300.00	90.00	355.29	10068.00	2436.93	2428.70	-200.31	0.00	366419.69	593239.28	N 32 0 26.13	W 104 9 57.20
	12400.00	90.00	355.29	10068.00	2536.93	2528.36	-208.53	0.00	366519.34	593231.06	N 32 0 27.11	W 104 9 57.29
	12500.00	90.00	355.29	10068.00	2636.93	2628.02	-216.75	0.00	366618.99	593222.84	N 32 0 28.10	W 104 9 57.39
	12600.00	90.00	355.29	10068.00	2736.93	2727.68	-224.97	0.00	366718.65	593214.62	N 32 0 29.09	W 104 9 57.48
	12700.00	90.00	355.29	10068.00	2836.92	2827.34	-233.19	0.00	366818.30	593206.41	N 32 0 30.07	W 104 9 57.57
	12800.00	90.00	355.29	10068.00	2936.92	2927.01	-241.41	0.00	366917.95	593198.19	N 32 0 31.06	W 104 9 57.67
	12900.00	90.00	355.29	10068.00	3036.92	3026.67	-249.63	0.00	367017.60	593189.97	N 32 0 32.04	W 104 9 57.76
	13000.00	90.00	355.29	10068.00	3136.92	3126.33	-257.85	0.00	367117.26	593181.75	N 32 0 33.03	W 104 9 57.85
	13100.00	90.00	355.29	10068.00	3236.92	3225.99	-266.07	0.00	367216.91	593173.53	N 32 0 34.02	W 104 9 57.95
	13200.00	90.00	355.29	10068.00	3336.92	3325.65	-274.29	0.00	367316.56	593165.31	N 32 0 35.00	W 104 9 58.04
	13300.00	90.00	355.29	10068.00	3436.92	3425.31	-282.51	0.00	367416.21	593157.09	N 32 0 35.99	W 104 9 58.14
	13400.00	90.00	355.29	10068.00	3536.92	3524.98	-290.73	0.00	367515.87	593148.87	N 32 0 36.98	W 104 9 58.23
	13500.00	90.00	355.29	10068.00	3636.92	3624.64	-298.95	0.00	367615.52	593140.65	N 32 0 37.96	W 104 9 58.32
	13600.00	90.00	355.29	10068.00	3736.92	3724.30	-307.17	0.00	367715.17	593132.43	N 32 0 38.95	W 104 9 58.42
	13700.00	90.00	355.29	10068.00	3836.92	3823.96	-315.39	0.00	367814.82	593124.22	N 32 0 39.93	W 104 9 58.51
	13800.00	90.00	355.29	10068.00	3936.92	3923.62	-323.61	0.00	367914.48	593116.00	N 32 0 40.92	W 104 9 58.60
	13900.00	90.00	355.29	10068.00	4036.92	4023.28	-331.83	0.00	368014.13	593107.78	N 32 0 41.91	W 104 9 58.70
	14000.00	90.00	355.29	10068.00	4136.92	4122.95	-340.05	0.00	368113.78	593099.56	N 32 0 42.89	W 104 9 58.79
	14100.00	90.00	355.29	10068.00	4236.91	4222.61	-348.27	0.00	368213.43	593091.34	N 32 0 43.88	W 104 9 58.89
	14200.00	90.00	355.29	10068.00	4336.91	4322.27	-356.49	0.00	368313.09	593083.12	N 32 0 44.87	W 104 9 58.98
	14300.00	90.00	355.29	10068.00	4436.91	4421.93	-364.71	0.00	368412.74	593074.90	N 32 0 45.85	W 104 9 59.07
	14400.00	90.00	355.29	10068.00	4536.91	4521.59	-372.93	0.00	368512.39	593066.68	N 32 0 46.84	W 104 9 59.17
	14500.00	90.00	355.29	10068.00	4636.91	4621.25	-381.15	0.00	368612.05	593058.46	N 32 0 47.83	W 104 9 59.26
	14600.00	90.00	355.29	10068.00	4736.91	4720.92	-389.37	0.00	368711.70	593050.24	N 32 0 48.81	W 104 9 59.35
	14700.00	90.00	355.29	10068.00	4836.91	4820.58	-397.59	0.00	368811.35	593042.03	N 32 0 49.80	W 104 9 59.45
	14800.00	90.00	355.29	10068.00	4936.91	4920.24	-405.80	0.00	368911.00	593033.81	N 32 0 50.78	W 104 9 59.54
	14900.00	90.00	355.29	10068.00	5036.91	5019.90	-414.02	0.00	369010.66	593025.59	N 32 0 51.77	W 104 9 59.63
	15000.00	90.00	355.29	10068.00	5136.91	5119.56	-422.24	0.00	369110.31	593017.37	N 32 0 52.76	W 104 9 59.73
	15100.00	90.00	355.29	10068.00	5236.91	5219.22	-430.46	0.00	369209.96	593009.15	N 32 0 53.74	W 104 9 59.82
	15200.00	90.00	355.29	10068.00	5336.91	5318.88	-438.68	0.00	369309.61	593000.93	N 32 0 54.73	W 104 9 59.92
	15300.00	90.00	355.29	10068.00	5436.91	5418.55	-446.90	0.00	369409.27	592992.71	N 32 0 55.72	W 104 10 0.01
	15400.00	90.00	355.29	10068.00	5536.91	5518.21	-455.12	0.00	369508.92	592984.49	N 32 0 56.70	W 104 10 0.10
	15500.00	90.00	355.29	10068.00	5636.90	5617.87	-463.34	0.00	369608.57	592976.27	N 32 0 57.69	W 104 10 0.20
	15600.00	90.00	355.29	10068.00	5736.90	5717.53	-471.56	0.00	369708.22	592968.05	N 32 0 58.67	W 104 10 0.29
	15700.00	90.00	355.29	10068.00	5836.90	5817.19	-479.78	0.00	369807.88	592959.84	N 32 0 59.66	W 104 10 0.38
	15800.00	90.00	355.29	10068.00	5936.90	5916.85	-488.00	0.00	369907.53	592951.62	N 32 1 0.65	W 104 10 0.48
	15900.00	90.00	355.29	10068.00	6036.90	6016.52	-496.22	0.00	370007.18	592943.40	N 32 1 1.63	W 104 10 0.57
	16000.00	90.00	355.29	10068.00	6136.90	6116.18	-504.44	0.00	370106.84	592935.18	N 32 1 2.62	W 104 10 0.67
	16100.00	90.00	355.29	10068.00	6236.90	6215.84	-512.66	0.00	370206.49	592926.96	N 32 1 3.61	W 104 10 0.76
	16200.00	90.00	355.29	10068.00	6336.90	6315.50	-520.88	0.00	370306.14	592918.74	N 32 1 4.59	W 104 10 0.85

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	355.29	10068.00	6436.90	6415.16	-529.10	0.00	370405.79	592910.52	N 32 1 5.58	W 104 10 0.95
	16400.00	90.00	355.29	10068.00	6536.90	6514.82	-537.32	0.00	370505.45	592902.30	N 32 1 6.57	W 104 10 1.04
	16500.00	90.00	355.29	10068.00	6636.90	6614.49	-545.54	0.00	370605.10	592894.08	N 32 1 7.55	W 104 10 1.13
	16600.00	90.00	355.29	10068.00	6736.90	6714.15	-553.76	0.00	370704.75	592885.86	N 32 1 8.54	W 104 10 1.23
	16700.00	90.00	355.29	10068.00	6836.90	6813.81	-561.98	0.00	370804.40	592877.65	N 32 1 9.52	W 104 10 1.32
Cimarex Hornsby 35 Federal Com 1H PBHL	16734.31	90.00	355.29	10068.00	6871.20	6848.00	-564.80	0.00	370838.59	592874.83	N 32 1 9.86	W 104 10 1.35

Survey Type: Non-Def Plan

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

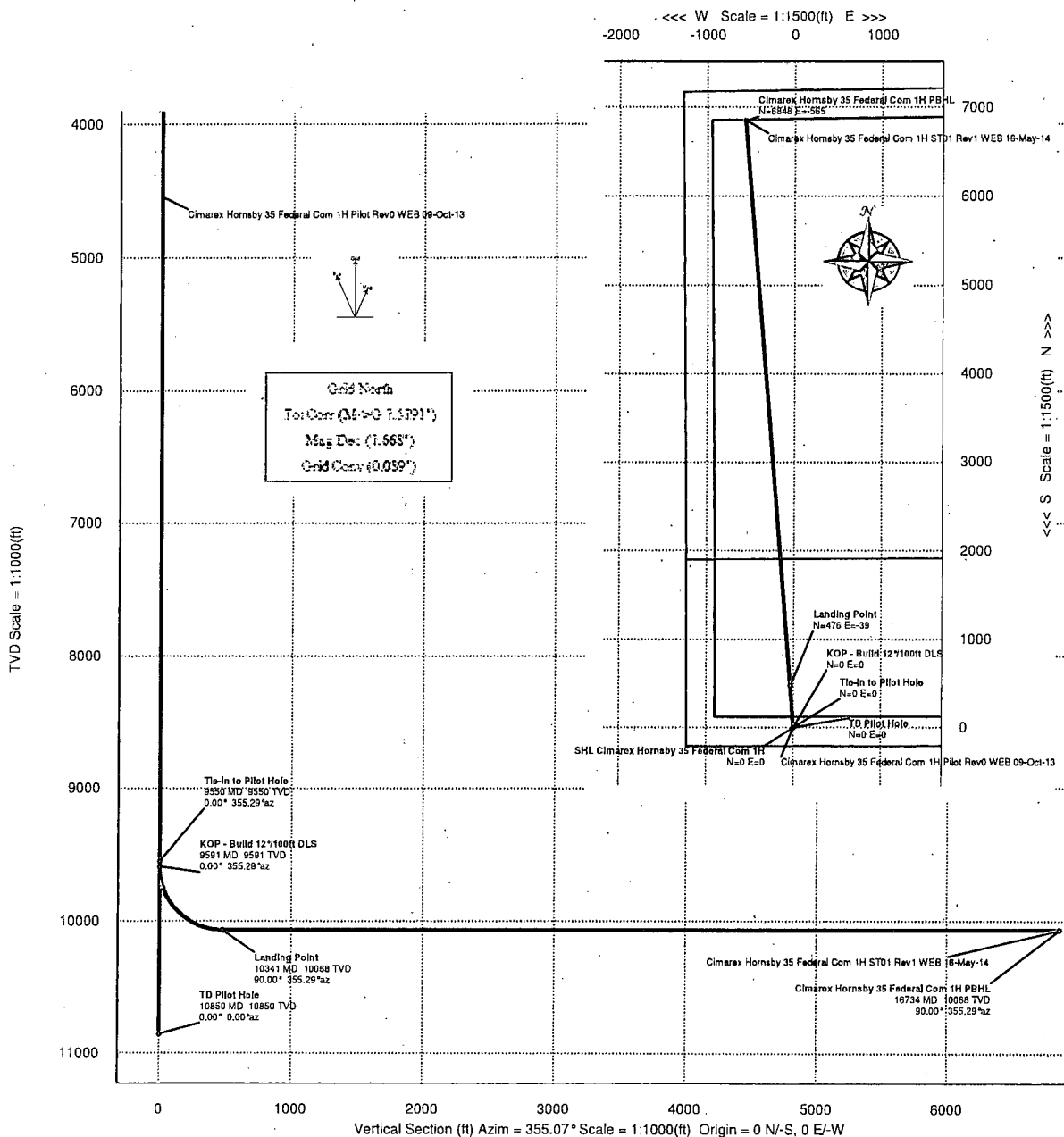
Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	9550.000	1/100.000	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Hornsby 35 Federal Com 1H Pilot
	9550.000	16734.307	1/100.000	30.000	30.000	SLB_MWD-STD	ST01 Borehole / Cimarex Hornsby 35 Federal Com 1H



Cimarex

PATHFINDER
A Schlumberger Company

WELL	Hornsby 35 Federal Com 1H	FIELD	NM Eddy County (NAD 83)	STRUCTURE	TBD
Magelle Parameters	Dip: 59.831° Model: SGGM 2013 Mag Dec: 7.668°	Date: October 09 2013 PC: 48163.517	Surface Location Lat: N 32 9 2.090 Lon: W 104 8 54.817	NAD83 New Mexico State Plane, Eastern Zone, US Foot Northing: 365991.21 NLS Easting: 393439.58 NLS Grid Conv: 8.289° Scale Factor: 0.99991329	Miscellaneous Site: Hornsby 35 Federal Com 1H TVD Ref: Ground level (277ft above) Plan: ST01 Rev1 WEB 18-May-14. Gray Date: October 09, 2013



Critical Points

Critical Point MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In to Pilot Hole	9550.00	0.00	355.29	9550.00	0.00	0.00	
KOP - Build 12"100ft DLS	9590.50	0.00	355.29	9590.50	0.00	0.00	0.00
Landing Point	10340.56	90.00	355.29	10068.00	477.50	473.83	-39.25
Cimarex Hornsby 35 Federal Com 1H PBHL	16734.31	90.00	355.29	10068.00	6871.20	6848.00	-564.80