

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1320 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 10, 2010
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 30-015-41684	Pool Code 97818	Pool Name Wildcat G-03 S252636M; Bone Spring
Property Code 39082	Property Name COTTONWOOD HILLS 32 STATE COM	Well Number 2H
OGRI No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3248

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	25 S	27 E		200	SOUTH	400	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	32	25 S	27 E		330	NORTH	500	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No. NSL 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**

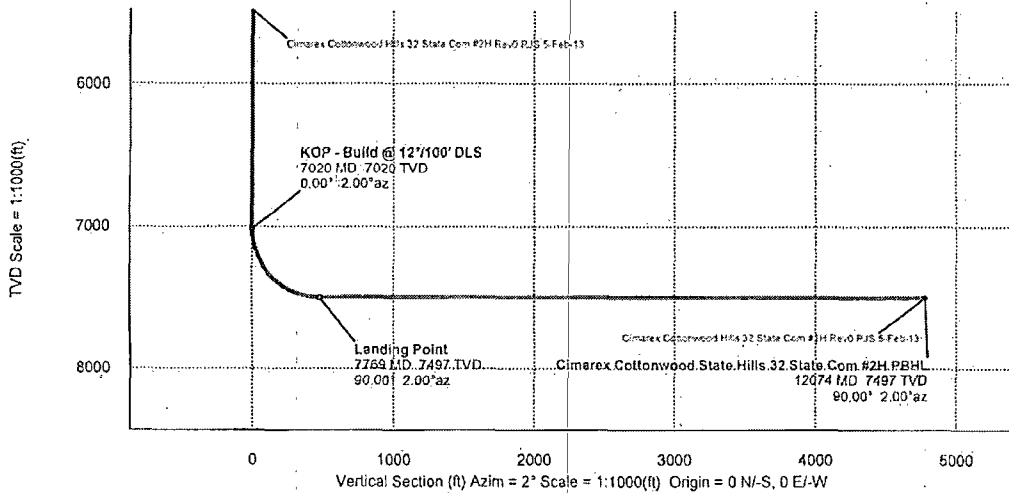
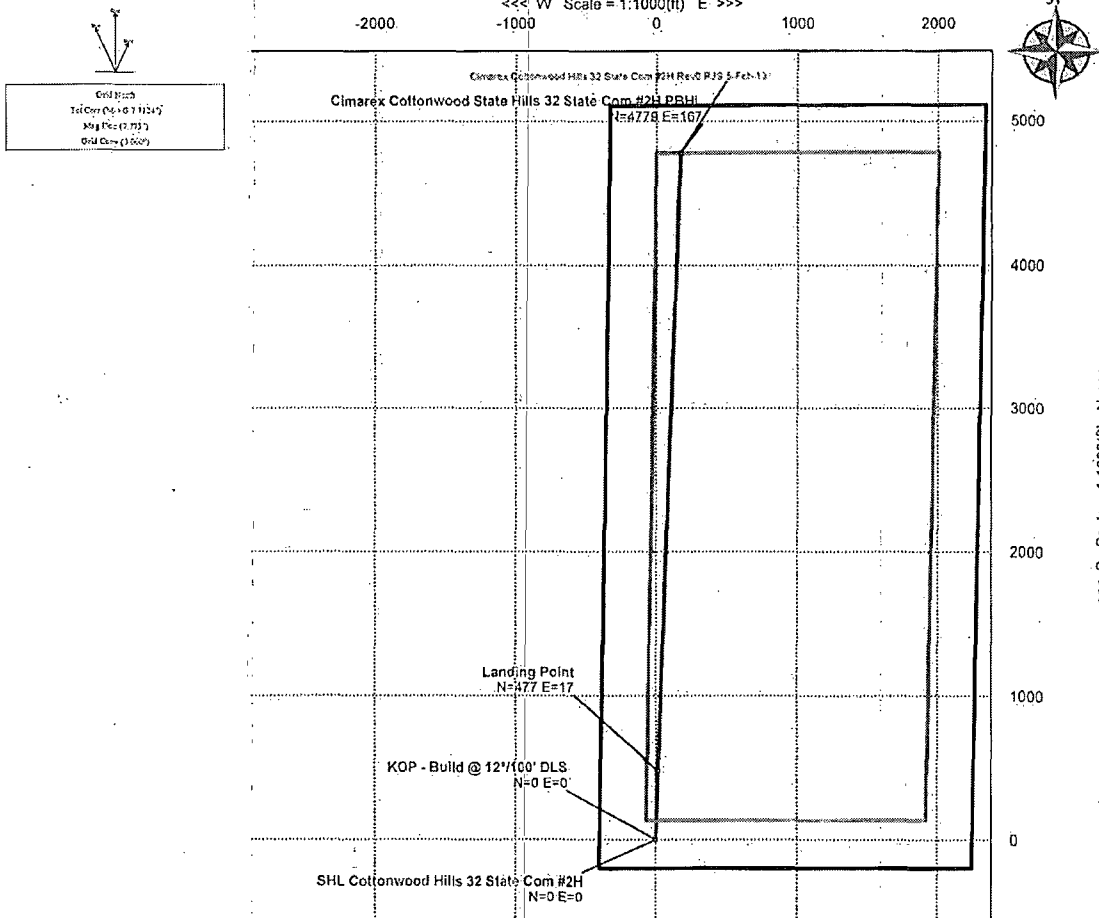
500' 330 N 397807.70 E 576211.75 PROPOSED BOTTOM HOLE LOCATION Lat - N 32°05'33.71" Long - W 104°13'08.81" NMSPC - N 397479.2 E 576707.8 (NAD-83) 4782.4' N 395153.49 E 576181.32 3257.5' 3240.2' 1400' 200' 3256.2' 3236.5' SURFACE LOCATION Lat - N 32°04'46.42" Long - W 104°13'10.81" NMSPC - N 392700.9 E 576540.8 (NAD-83) N 392500.33 E 576137.39 N 392504.25 E 578787.57	N 397815.20 E 578881.20 RECEIVED FEB 11 2013 NMOCD ARTESIA	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>Michelle Chappell</i> 02/11/2013 Signature Date Michelle Chappell Printed Name mchappell@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. <i>Gary L. Jones</i> Date Surveyed Signature of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 27943
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Cimarex

PATHFINDER
A Schlumberger Company

Well:	Cottonwood Hills 32 State #2H	Field:	NM Eddy County	Structure:	TBD
Logistics Information	Dr: 51 951'	Dev: February 05, 2013	Drill Date: 7/7/13	Drill Site: 40200 847	Drill Site: 40200 847
Map:	8/20/2012	Map Date: 7/7/13	Map Date: 7/7/13	Map Date: 7/7/13	Map Date: 7/7/13
Drill Date:	7/7/13	Drill Date: 7/7/13	Drill Date: 7/7/13	Drill Date: 7/7/13	Drill Date: 7/7/13



Critical Point	MD	NCL	AZIM	TVD	YSIC	N(±) / S(±)	E(±) / W(±)	DLS
SHL Cottonwood Hills 32 State Com #2H	0.00	0.00	2.00	0.00	0.00	0.00	0.00	
KOP - Build @ 12°/100' DLS	7020.00	0.00	2.00	7020.00	0.00	0.00	0.00	0.00
Landing Point	7769.27	90.00	2.00	7497.00	477.00	476.71	16.65	12.01
Cimarex Cottonwood State Hills 32 State Com #2H PBHL	12073.92	90.00	2.00	7497.00	4781.65	4778.74	167.02	0.00



Cimarex Cottonwood Hills 32 State Com #2H Rev0 RJS 5-Feb-13 Proposal
Report 100' Interpolated
(Non-Def Plan)



Report Date: February 05, 2013 - 11:25 AM
Client: Cimarex
Field: NW Eddy County (RAD 83)
Structure / Slot: TBD / Cimarex Cottonwood Hills 32 State Com #2H
Well: Cimarex Cottonwood Hills 32 State Com #2H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Cottonwood Hills 32 State Com #2H Rev0 RJS 5-Feb-13
Survey Date: February 05, 2013
Test / AND / DD / ERD Ratio: 60.024 / 4781.655 A / 5.841 / 0.678
Coordinate Reference System: NAD83 (North American Datum, Eastern Zone, US Feet)
Location Lat / Long: N 32° 4' 45.42342" W 104° 13' 10.81913"
Location Grid N/E Y/X: N 392700 607 NUS, E 576540 600 NUS
CRS Grid Convergence Angle: 0.0624°
Grid Scale Factor: 0.99991651

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 2.602° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3248.000 ft above
Seabed / Ground Elevation: 3248.000 ft above
Magnetic Deflection: 7.771°
Total Gravity Field Strength: 953.4502 mgn (B 6065 Base)
Total Magnetic Field Strength: 49268.583 nT
Magnetic Dip Angle: 59.651°
Declination Date: February 05, 2013
Magnetic Declination Model: BGMN 2012
North Reference: Grid North
Grid Convergence Used: 0.0624°
Total Corr Mag North to Grid North: 7.7124°
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (NUS)	Easting (EUS)	Latitude (NUS ° ° ' ")	Longitude (EW ° ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)
SHL Cottonwood Hills 32 State Com #2H	0.00	0.00	2.00	0.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	N/A
	100.00	0.00	2.00	100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	200.00	0.00	2.00	200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	300.00	0.00	2.00	300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	400.00	0.00	2.00	400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	500.00	0.00	2.00	500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	600.00	0.00	2.00	600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	700.00	0.00	2.00	700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	800.00	0.00	2.00	800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	900.00	0.00	2.00	900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1000.00	0.00	2.00	1000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1100.00	0.00	2.00	1100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1200.00	0.00	2.00	1200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1300.00	0.00	2.00	1300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1400.00	0.00	2.00	1400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1500.00	0.00	2.00	1500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1600.00	0.00	2.00	1600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1700.00	0.00	2.00	1700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1800.00	0.00	2.00	1800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	1900.00	0.00	2.00	1900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2000.00	0.00	2.00	2000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2100.00	0.00	2.00	2100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2200.00	0.00	2.00	2200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2300.00	0.00	2.00	2300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2400.00	0.00	2.00	2400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2500.00	0.00	2.00	2500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2600.00	0.00	2.00	2600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2700.00	0.00	2.00	2700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2800.00	0.00	2.00	2800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	2900.00	0.00	2.00	2900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3000.00	0.00	2.00	3000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3100.00	0.00	2.00	3100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3200.00	0.00	2.00	3200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3300.00	0.00	2.00	3300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3400.00	0.00	2.00	3400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3500.00	0.00	2.00	3500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3600.00	0.00	2.00	3600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3700.00	0.00	2.00	3700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3800.00	0.00	2.00	3800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	3900.00	0.00	2.00	3900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4000.00	0.00	2.00	4000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4100.00	0.00	2.00	4100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4200.00	0.00	2.00	4200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4300.00	0.00	2.00	4300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4400.00	0.00	2.00	4400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4500.00	0.00	2.00	4500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4600.00	0.00	2.00	4600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4700.00	0.00	2.00	4700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4800.00	0.00	2.00	4800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	4900.00	0.00	2.00	4900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5000.00	0.00	2.00	5000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5100.00	0.00	2.00	5100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5200.00	0.00	2.00	5200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5300.00	0.00	2.00	5300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5400.00	0.00	2.00	5400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5500.00	0.00	2.00	5500.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5600.00	0.00	2.00	5600.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5700.00	0.00	2.00	5700.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5800.00	0.00	2.00	5800.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	5900.00	0.00	2.00	5900.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	6000.00	0.00	2.00	6000.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	6100.00	0.00	2.00	6100.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	6200.00	0.00	2.00	6200.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	6300.00	0.00	2.00	6300.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.82"		0.00	0.00	0.00
	6400.00	0.00	2.00	6400.00	0.00	0.00	0.00	392700.50	576540.60	N 32° 4' 45.43" W 104° 13' 10.820				

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 (ft/100ft)
KOP - Bulk @ 12'160' DLS	7000.00	0.00	2.00	7000.00	0.00	0.00	0.00	392700.90	576540.60	N 32 4 48.43 W 104 13 10.62		0.00	0.00	0.00
	7020.00	0.00	2.00	7020.00	0.00	0.00	0.00	392700.90	576540.60	N 32 4 48.43 W 104 13 10.62		0.00	0.00	0.00
	7100.00	9.61	2.00	7059.63	8.69	8.69	0.23	392707.59	576541.03	N 32 4 48.43 W 104 13 10.62		6.69	2.00	12.01
	7200.00	21.82	2.00	7165.76	33.56	33.54	1.17	392734.44	576541.97	N 32 4 48.76 W 104 13 10.80		33.56	2.00	12.01
	7300.00	33.63	2.00	7284.19	79.85	79.80	2.79	392760.69	576543.59	N 32 4 47.22 W 104 13 10.78		79.85	2.00	12.01
Landing Point	7400.00	45.64	2.00	7361.06	143.63	143.44	5.01	392844.32	576545.81	N 32 4 47.85 W 104 13 10.78		143.63	2.00	12.01
	7500.00	57.66	2.00	7422.99	221.81	221.87	7.74	392922.55	576549.54	N 32 4 48.62 W 104 13 10.73		221.81	2.00	12.01
	7600.00	69.67	2.00	7467.28	311.26	311.07	10.66	393011.94	576551.66	N 32 4 49.51 W 104 13 10.69		311.26	2.00	12.01
	7700.00	81.68	2.00	7491.88	407.97	407.72	14.24	393108.59	576555.04	N 32 4 50.48 W 104 13 10.65		407.97	2.00	12.01
	7769.27	90.00	2.00	7497.00	477.00	476.71	16.65	393177.57	576557.45	N 32 4 51.15 W 104 13 10.62		477.00	2.00	12.01
	7800.00	90.00	2.00	7497.00	507.73	507.42	17.72	393204.27	576558.02	N 32 4 51.45 W 104 13 10.61		507.73	2.00	0.00
	7900.00	90.00	2.00	7497.00	607.73	607.36	21.21	393304.20	576562.01	N 32 4 52.44 W 104 13 10.56		607.73	2.00	0.00
	8000.00	90.00	2.00	7497.00	707.73	707.30	24.70	393404.13	576565.00	N 32 4 53.43 W 104 13 10.52		707.73	2.00	0.00
	8100.00	90.00	2.00	7497.00	807.73	807.24	28.19	393504.06	576568.99	N 32 4 54.42 W 104 13 10.48		807.73	2.00	0.00
	8200.00	90.00	2.00	7497.00	907.73	907.18	31.68	393607.59	576572.48	N 32 4 55.49 W 104 13 10.44		907.73	2.00	0.00
	8300.00	90.00	2.00	7497.00	1007.73	1007.12	35.17	393707.92	576575.97	N 32 4 56.39 W 104 13 10.40		1007.73	2.00	0.00
	8400.00	90.00	2.00	7497.00	1107.73	1107.06	38.66	393807.85	576579.46	N 32 4 57.38 W 104 13 10.36		1107.73	2.00	0.00
	8500.00	90.00	2.00	7497.00	1207.73	1206.99	42.15	393907.78	576582.95	N 32 4 58.37 W 104 13 10.31		1207.73	2.00	0.00
	8600.00	90.00	2.00	7497.00	1307.73	1306.93	45.64	394007.71	576586.44	N 32 4 59.36 W 104 13 10.27		1307.73	2.00	0.00
	8700.00	90.00	2.00	7497.00	1407.73	1406.87	49.14	394107.64	576589.93	N 32 5 0.35 W 104 13 10.23		1407.73	2.00	0.00
	8800.00	90.00	2.00	7497.00	1507.73	1506.61	52.63	394207.57	576593.42	N 32 5 1.31 W 104 13 10.19		1507.73	2.00	0.00
	8900.00	90.00	2.00	7497.00	1607.73	1606.76	56.12	394307.50	576596.91	N 32 5 2.33 W 104 13 10.15		1607.73	2.00	0.00
	9000.00	90.00	2.00	7497.00	1707.73	1706.69	59.61	394407.43	576600.40	N 32 5 3.32 W 104 13 10.10		1707.73	2.00	0.00
	9100.00	90.00	2.00	7497.00	1807.73	1806.63	63.10	394507.36	576603.89	N 32 5 4.31 W 104 13 10.06		1807.73	2.00	0.00
	9200.00	90.00	2.00	7497.00	1907.73	1906.67	66.59	394607.29	576607.38	N 32 5 5.29 W 104 13 10.02		1907.73	2.00	0.00
	9300.00	90.00	2.00	7497.00	2007.73	2006.61	70.09	394707.22	576610.88	N 32 5 6.28 W 104 13 9.98		2007.73	2.00	0.00
	9400.00	90.00	2.00	7497.00	2107.73	2106.45	73.58	394807.15	576614.37	N 32 5 7.27 W 104 13 9.94		2107.73	2.00	0.00
	9500.00	90.00	2.00	7497.00	2207.73	2206.38	77.07	394907.08	576617.86	N 32 5 8.26 W 104 13 9.90		2207.73	2.00	0.00
	9600.00	90.00	2.00	7497.00	2307.73	2306.32	80.56	395007.01	576621.34	N 32 5 9.25 W 104 13 9.85		2307.73	2.00	0.00
	9700.00	90.00	2.00	7497.00	2407.73	2406.26	84.06	395106.94	576624.83	N 32 5 10.24 W 104 13 9.81		2407.73	2.00	0.00
	9800.00	90.00	2.00	7497.00	2507.73	2506.20	87.55	395206.87	576628.34	N 32 5 11.23 W 104 13 9.77		2507.73	2.00	0.00
	9900.00	90.00	2.00	7497.00	2607.73	2605.14	91.04	395306.80	576631.83	N 32 5 12.22 W 104 13 9.73		2607.73	2.00	0.00
	10000.00	90.00	2.00	7497.00	2707.73	2704.08	94.54	395406.73	576635.33	N 32 5 13.21 W 104 13 9.69		2707.73	2.00	0.00
	10100.00	90.00	2.00	7497.00	2807.73	2803.02	98.03	395506.66	576638.82	N 32 5 14.19 W 104 13 9.64		2807.73	2.00	0.00
	10200.00	90.00	2.00	7497.00	2907.73	2905.96	101.52	395606.59	576642.31	N 32 5 15.18 W 104 13 9.60		2907.73	2.00	0.00
	10300.00	90.00	2.00	7497.00	3007.73	3005.80	105.02	395706.52	576645.81	N 32 5 16.17 W 104 13 9.56		3007.73	2.00	0.00
	10400.00	90.00	2.00	7497.00	3107.73	3105.64	108.51	395806.45	576649.30	N 32 5 17.16 W 104 13 9.52		3107.73	2.00	0.00
	10500.00	90.00	2.00	7497.00	3207.73	3205.77	112.00	395906.38	576652.79	N 32 5 18.15 W 104 13 9.48		3207.73	2.00	0.00
	10600.00	90.00	2.00	7497.00	3307.73	3305.71	115.50	396006.31	576656.29	N 32 5 19.14 W 104 13 9.44		3307.73	2.00	0.00
	10700.00	90.00	2.00	7497.00	3407.73	3405.65	118.99	396106.24	576659.78	N 32 5 20.13 W 104 13 9.39		3407.73	2.00	0.00
	10800.00	90.00	2.00	7497.00	3507.73	3505.59	122.49	396206.17	576663.28	N 32 5 21.12 W 104 13 9.35		3507.73	2.00	0.00
	10900.00	90.00	2.00	7497.00	3607.73	3605.53	125.98	396306.10	576666.77	N 32 5 22.11 W 104 13 9.31		3607.73	2.00	0.00
	11000.00	90.00	2.00	7497.00	3707.73	3705.47	129.48	396406.03	576670.26	N 32 5 23.09 W 104 13 9.27		3707.73	2.00	0.00
	11100.00	90.00	2.00	7497.00	3807.73	3805.41	132.97	396505.96	576673.76	N 32 5 24.08 W 104 13 9.23		3807.73	2.00	0.00
	11200.00	90.00	2.00	7497.00	3907.73	3905.35	136.47	396605.89	576677.25	N 32 5 25.07 W 104 13 9.18		3907.73	2.00	0.00
	11300.00	90.00	2.00	7497.00	4007.73	4005.29	139.96	396705.82	576680.75	N 32 5 26.06 W 104 13 9.14		4007.73	2.00	0.00
	11400.00	90.00	2.00	7497.00	4107.73	4105.22	143.46	396805.75	576684.24	N 32 5 27.05 W 104 13 9.10		4107.73	2.00	0.00
	11500.00	90.00	2.00	7497.00	4207.73	4205.16	146.95	396905.68	576687.74	N 32 5 28.04 W 104 13 9.05		4207.73	2.00	0.00
	11600.00	90.00	2.00	7497.00	4307.73	4305.10	150.45	397005.61	576691.23	N 32 5 29.03 W 104 13 9.02		4307.73	2.00	0.00
	11700.00	90.00	2.00	7497.00	4407.73	4405.04	153.94	397105.54	576694.73	N 32 5 30.02 W 104 13 8.97		4407.73	2.00	0.00
	11800.00	90.00	2.00	7497.00	4507.73	4504.98	157.44	397205.47	576698.22	N 32 5 31.01 W 104 13 8.93		4507.73	2.00	0.00
	11900.00	90.00	2.00	7497.00	4607.73	4604.92	160.93	397305.40	576701.72	N 32 5 31.99 W 104 13 8.89		4607.73	2.00	0.00
	12000.00	90.00	2.00	7497.00	4707.73	4704.86	164.43	397405.33	576705.22	N 32 5 32.98 W 104 13 8.85		4707.73	2.00	0.00
Cimarex Cottonwood State Hills 32 State Com #2H PBHL	12073.92	50.00	2.00	7497.00	4781.65	4778.74	167.02	397479.20	576707.80	N 32 5 33.71 W 104 13 8.82		4781.65	2.00	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	12073.925		11.000	30.000	30.000	SLB_MWD-STD
							Original Borehole / Cimarex Cottonwood Hills 32 State Com

