

HOBBS OCD

DISTRICT I

1035 N. French Dr., Hobbs, NM 88240
Phone (505) 524-6102 Fax (505) 524-0720

DISTRICT II

811 S. Third St., Artesia, NM 88210
Phone (505) 745-1225 Fax (505) 745-0720

DISTRICT III

1000 Rio Grande Rd., Aztec, NM 87410
Phone (505) 524-6170 Fax (505) 524-0170

DISTRICT IV

1880 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-5455 Fax (505) 476-5455

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

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025- 41141	Pool Code 55610	Pool Name Scharb; Bone Spring
Property Code 39527	Property Name QUAIL 11 STATE	Well Number 3H
OGRIID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3982'

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	11	19 S	34 E		330	SOUTH	530	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
D	11	19 S	34 E		330	NORTH	660	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

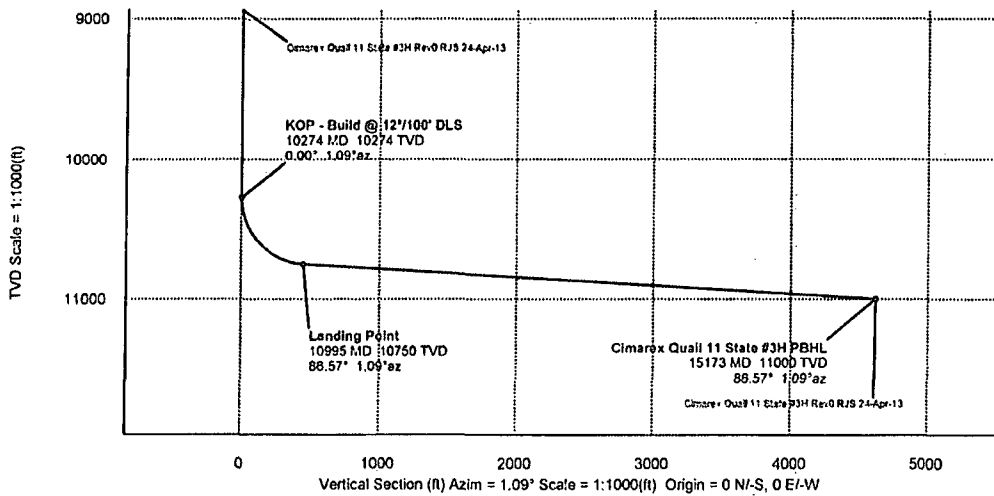
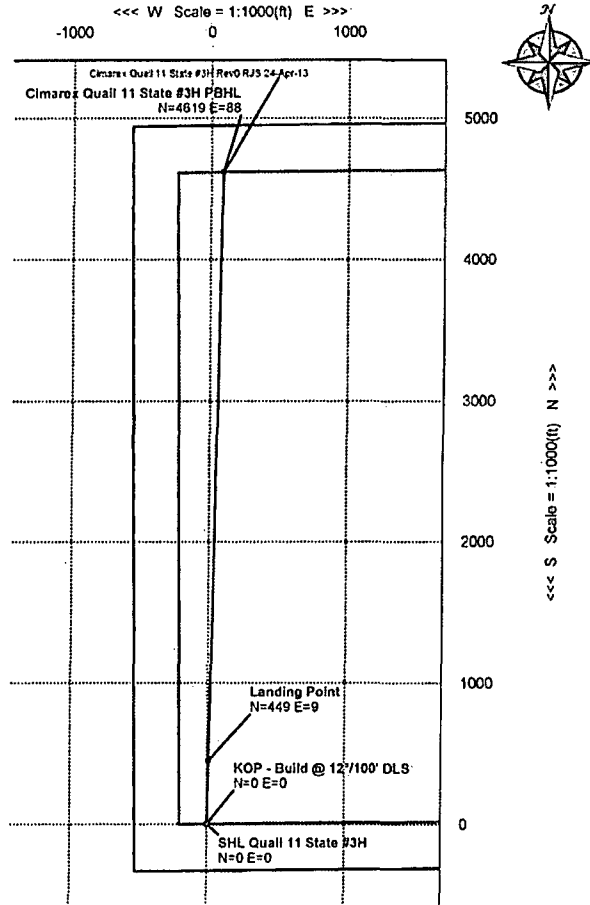
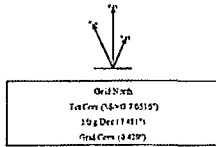
N: 612782.5 E: 785596.8 660' B.H.	PROPOSED BOTTOM HOLE LOCATION Lat. - N. 32°40'52.21" Long. - W. 103°32'14.77" NMSPCE - N 612459.2 E 786218.3 (NAD-83)	N: 612836.2 E: 790840.4	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided 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> 04/24/2013 Signature Date Michelle Chappell Printed Name mchappell@cimarex.com Email Address
530' S.L. N: 607505.4 E: 785603.4	SURFACE LOCATION Lat. - N. 32°40'08.82" Long. - W. 103°32'16.20" NMSPCE - N 607840.3 E 786130.1 (NAD-83)	N: 607557.9 E: 790886.8	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. SEPTEMBER 2012 Date Surveyed Signature of Seal of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS



Cimarex

PATHFINDER
A Schlumberger Company

WELL	Quail 11 State #3H	FIELD	NM Lea County	STRUCTURE	TBA
Well Name	Quail 11 State #3H	Well ID	Q11S3H	Well Type	Oil
Well Status	Active	Well Depth	15173.30	Well Completion	Open
Well Location	Quail 11 State #3H	Well Coordinates	N 30° 12' E 1.09'	Well Orientation	0° 00' 00"
Well Owner	Cimarex	Well Operator	Cimarex	Well Lease	Lease
Well Lease	Lease	Well Lease	Lease	Well Lease	Lease



Critical Point	MD	INCL	AZIM	TVD	VSIC	N(±)/S(±)	E(±)/W(±)	DLS
SHL Quail 11 State #3H	0.00	0.00	1.09	0.00	0.00	0.00	0.00	
KOP - Build @ 12°/100' DLS	10273.50	0.00	1.09	10273.50	0.00	0.00	0.00	0.00
Landing Point	10994.75	86.57	1.09	10750.00	448.80	448.71	8.57	12.00
Cimarex Quail 11 State #3H PBHL	15173.30	86.57	1.09	11000.00	4619.85	4619.01	88.20	0.00



Cimarex Quail 11 State #3H Rev0 RJS 24-Apr-13 Proposal Report
(Non-Def Plan)



Report Date: April 24, 2013 - 12:18 PM
Client: Cimarex
Field: NM Lea County (HAD 83)
Structure / Slot: ScanDrill Eagle / Cimarex Quail 11 State #3H
Well: Cimarex Quail 11 State #3H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Quail 11 State #3H Rev0 RJS 24-Apr-13
Survey Date: April 24, 2013
Tort / AHD / DDI / ERD Ratio: 86.870° / 4519.854 ft / 5.742 / 0.420
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 8.51715", W 103° 32' 18.20400"
Location Grid N/E Y/X: N 607840.300 NUS, E 766130.100 NUS
CRS Grid Convergence Angle: 0.4284°
Grid Scale Factor: 0.9997771
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 1.024° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3932.000 ft above MSL
Seabed / Ground Elevation: 3932.000 ft above MSL
Magnetic Declination: 7.481°
Total Gravity Field Strength: 995.4580mg (9.80665 Based)
Total Magnetic Field Strength: 46074.758 nT
Magnetic Dip Angle: 60.521°
Declination Date: April 24, 2013
Magnetic Declination Model: BGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4284°
Total Corr Mag North-Grid North: 7.0518°
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	N/S (ft)	E/W (ft)	Northing (NUS)	Easting (EUS)	Latitude (NUS °'")	Longitude (E/W °'")	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)
SHL Quail 11 State #3H	0.00	0.00	1.09	0.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	N/A
	100.00	0.00	1.09	100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	200.00	0.00	1.09	200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	300.00	0.00	1.09	300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	400.00	0.00	1.09	400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	500.00	0.00	1.09	500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	600.00	0.00	1.09	600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	700.00	0.00	1.09	700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	800.00	0.00	1.09	800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	900.00	0.00	1.09	900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1000.00	0.00	1.09	1000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1100.00	0.00	1.09	1100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1200.00	0.00	1.09	1200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1300.00	0.00	1.09	1300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1400.00	0.00	1.09	1400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1500.00	0.00	1.09	1500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1600.00	0.00	1.09	1600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1700.00	0.00	1.09	1700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1800.00	0.00	1.09	1800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	1900.00	0.00	1.09	1900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2000.00	0.00	1.09	2000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2100.00	0.00	1.09	2100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2200.00	0.00	1.09	2200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2300.00	0.00	1.09	2300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2400.00	0.00	1.09	2400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2500.00	0.00	1.09	2500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2600.00	0.00	1.09	2600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2700.00	0.00	1.09	2700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2800.00	0.00	1.09	2800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	2900.00	0.00	1.09	2900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3000.00	0.00	1.09	3000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3100.00	0.00	1.09	3100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3200.00	0.00	1.09	3200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3300.00	0.00	1.09	3300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3400.00	0.00	1.09	3400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3500.00	0.00	1.09	3500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3600.00	0.00	1.09	3600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3700.00	0.00	1.09	3700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3800.00	0.00	1.09	3800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	3900.00	0.00	1.09	3900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4000.00	0.00	1.09	4000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4100.00	0.00	1.09	4100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4200.00	0.00	1.09	4200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4300.00	0.00	1.09	4300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4400.00	0.00	1.09	4400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4500.00	0.00	1.09	4500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4600.00	0.00	1.09	4600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4700.00	0.00	1.09	4700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4800.00	0.00	1.09	4800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	4900.00	0.00	1.09	4900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5000.00	0.00	1.09	5000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5100.00	0.00	1.09	5100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5200.00	0.00	1.09	5200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5300.00	0.00	1.09	5300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5400.00	0.00	1.09	5400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5500.00	0.00	1.09	5500.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5600.00	0.00	1.09	5600.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5700.00	0.00	1.09	5700.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5800.00	0.00	1.09	5800.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	5900.00	0.00	1.09	5900.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6000.00	0.00	1.09	6000.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6100.00	0.00	1.09	6100.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6200.00	0.00	1.09	6200.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6300.00	0.00	1.09	6300.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6400.00	0.00	1.09	6400.00	0.00	0.00	0.00	607840.30	-766130.10	N 32 40 8.52	W 103 32 18.20	0.00	0.00	0.00
	6500.00	0.00	1.09	6500.00	0.00	0.00	0.00	607840.30	-766130.10	N				

Comments	ID	MD	MD From (M)	Description	Survey Error Model:										Survey Type:
					Non-Dat Plan										
Survey Program:															
ISCV: Rvw 0.0009 Confidence 2.783 Sigma															
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Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (NUS)	Easting (EUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)
	0.000		15173.295		1/100.000	30.000	30.000	SLB_MWD-STD		Original Borehole / Cimarex Quail 11 State #3H Rev0 RJS 24-Apr-				

