

DISTRICT I
1025 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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 18, 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 30-015-42430	Pool Code 65010	Pool Name Winchester; Bone Spring
Property Code 38387	Property Name EXXON STATE	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3305'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	25	19 S	28 E		330	SOUTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

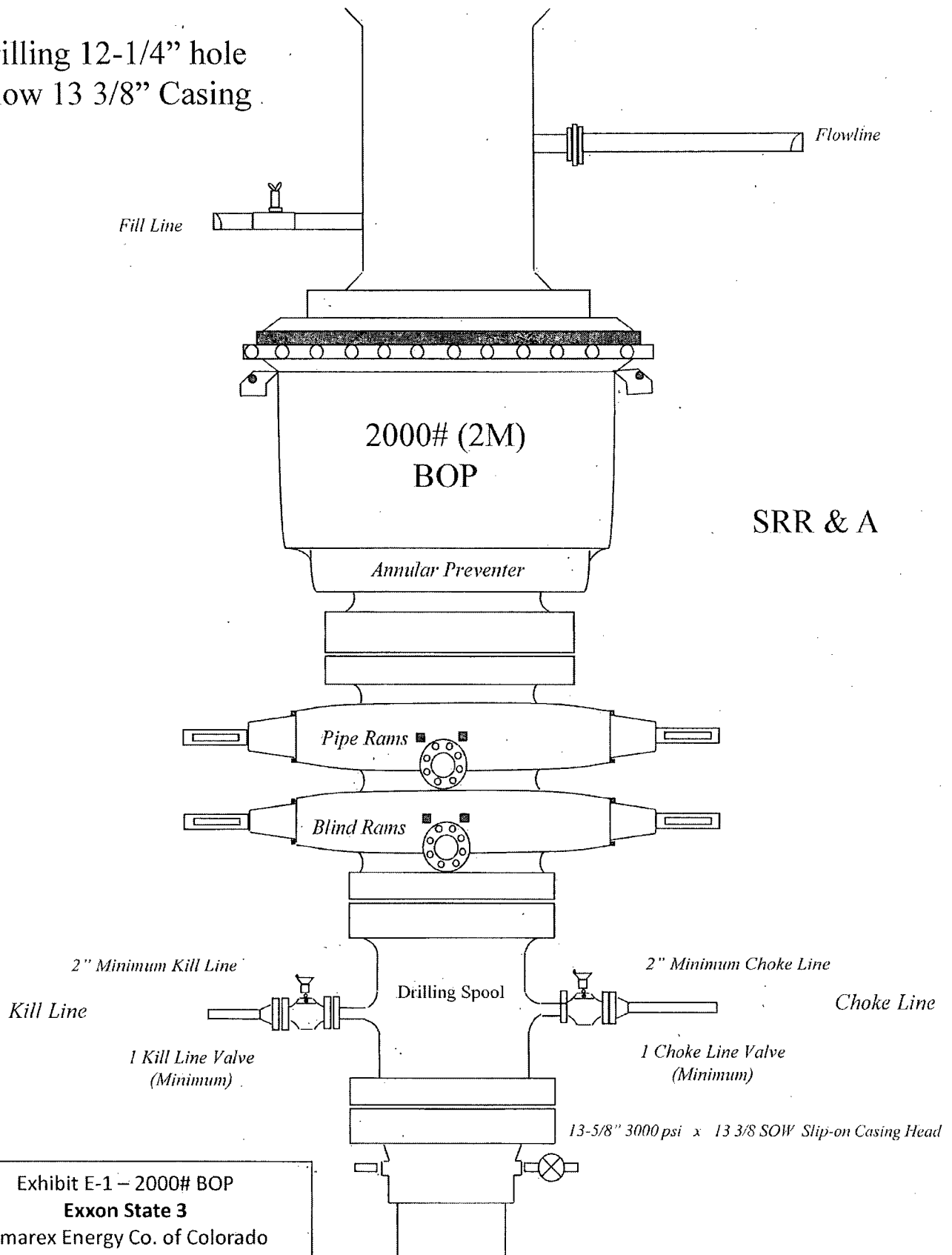
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	19 S	28 E		330	NORTH	1980	EAST	EDDY

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

PROPOSED BOTTOM HOLE LOCATION Lat - N 32°38'17.92" Long - W 104°07'42.21" NMSPCE- N 596008.993 E 604423.187 (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>Aricka Easterling</i> 5/11/2014 Signature Date Aricka Easterling Printed Name aeasterling@cimarex.com Email Address
SURFACE LOCATION Lat - N 32°37'31.99" Long - W 104°07'42.04" NMSPCE- N 591367.4 E 604448.6 (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. Date Surveyed Signature & Seal of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23207

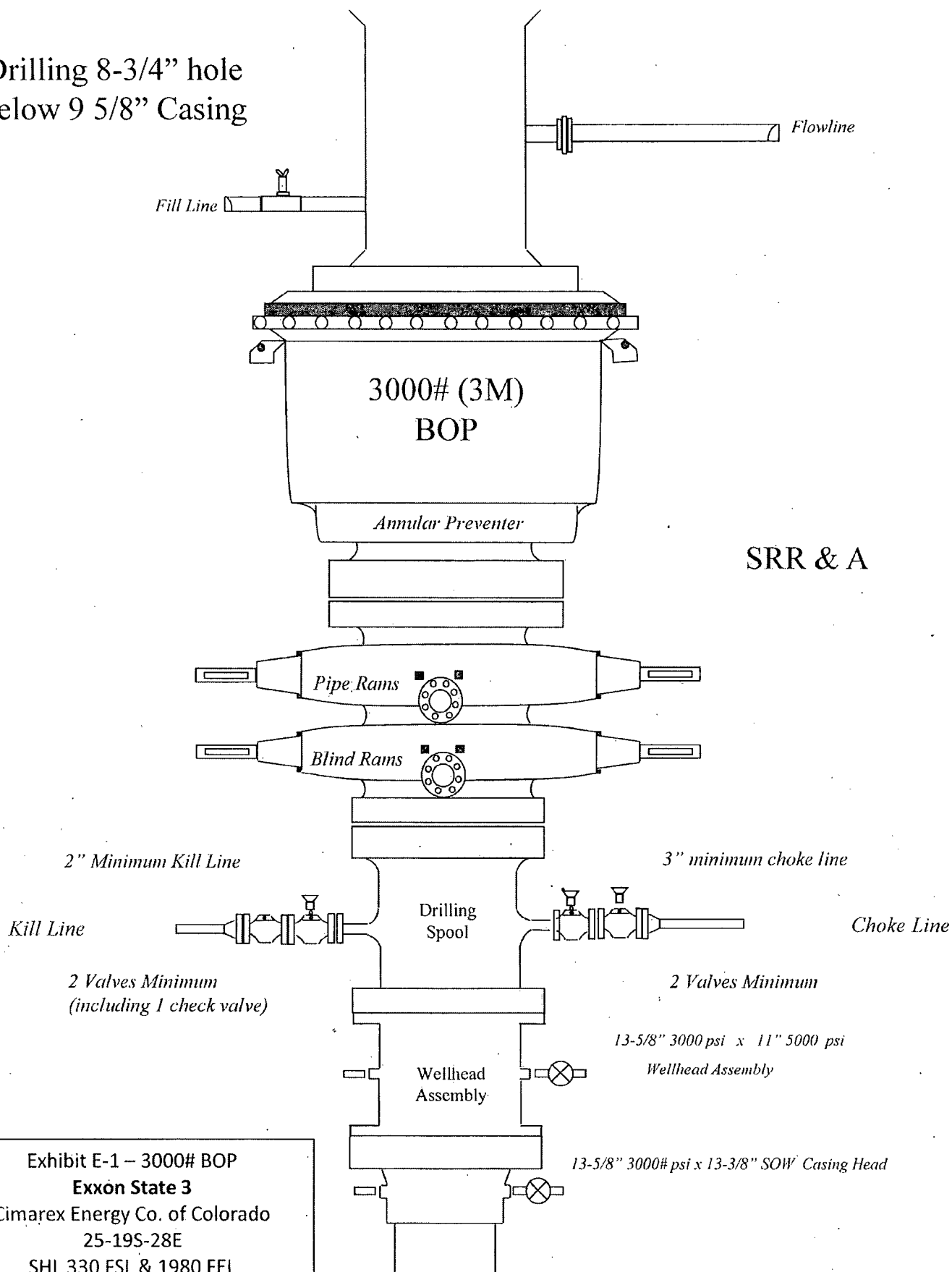
Drilling 12-1/4" hole
below 13 3/8" Casing



SRR & A

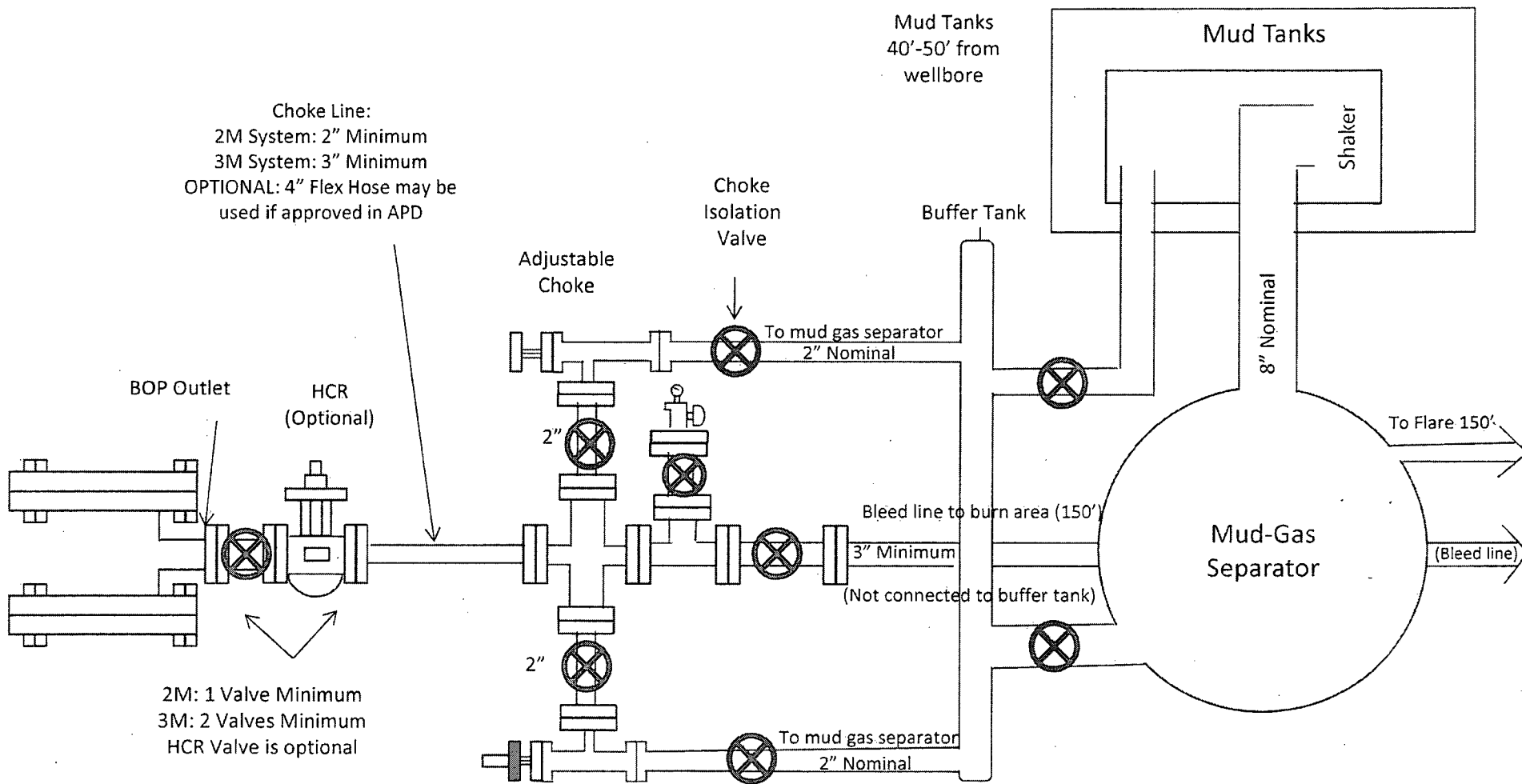
Exhibit E-1 – 2000# BOP
Exxon State 3
Cimarex Energy Co. of Colorado
25-19S-28E
SHL 330 FSL & 1980 FEL
BHL 330 FNL & 1980 FEL
Eddy County, NM.

Drilling 8-3/4" hole
below 9 5/8" Casing



SRR & A

Exhibit E-1 – 3000# BOP
Exxon State 3
Cimarex Energy Co. of Colorado
25-19S-28E
SHL 330 FSL & 1980 FEL
BHL 330 FNL & 1980 FEL
Eddy County, NM



Drilling Operations Choke Manifold 2M/3M Service

Exhibit E-1 – Choke Manifold Diagram
Exxon State 3
 Cimarex Energy Co. of Colorado
 25-19S-28E
 SHL 330 FSL & 1980 FEL
 BHL 330 FNL & 1980 FEL
 Eddy County, NM



**Cimarex Exxon 25 State #3H Rev0 PCG 29-May-14 Proposal Geodetic
Report
(Non-Def Plan)**



Report Date: May 29, 2014 - 02:06 PM
Client: Cimarex
Field: NM Eddy County (NAD 83)
Structure / Slot: Cimarex Exxon 25 State #3H / Cimarex Exxon 25 State #3H
Well: Cimarex Exxon 25 State #3H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Exxon 25 State #3H Rev0 PCG 29-May-14
Survey Date: May 29, 2014
Tort / AHD / DDI / ERD Ratio: 90.002 ° / 4642.062 ft / 5.819 / 0.606
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 37' 31.98608", W 104° 7' 42.03835"
Location Grid N/E Y/X: N 591367.400 ftUS, E 604446.600 ftUS
CRS Grid Convergence Angle: 0.1105 °
Grid Scale Factor: 0.99991365
Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.711 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Ground Level
TVD Reference Elevation: 3305.000 ft above
Seabed / Ground Elevation: 3305.000 ft above
Magnetic Declination: 7.673 °
Total Gravity Field Strength: 998.5142mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48463.778 nT
Magnetic Dip Angle: 60.383 °
Declination Date: May 29, 2014
Magnetic Declination Model: BGGM 2014
North Reference: Grid North
Grid Convergence Used: 0.1105 °
Total Corr Mag North->Grid: 7.5625 °
North:
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 ° ' ")
Cimarex Exxon 25 State #3H SHL	0.00	0.00	359.71	0.00	0.00	0.00	0.00	N/A	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	100.00	0.00	359.71	100.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	200.00	0.00	359.71	200.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	300.00	0.00	359.71	300.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	400.00	0.00	359.71	400.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	500.00	0.00	359.71	500.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	600.00	0.00	359.71	600.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	700.00	0.00	359.71	700.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	800.00	0.00	359.71	800.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	900.00	0.00	359.71	900.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1000.00	0.00	359.71	1000.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1100.00	0.00	359.71	1100.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1200.00	0.00	359.71	1200.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1300.00	0.00	359.71	1300.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1400.00	0.00	359.71	1400.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1500.00	0.00	359.71	1500.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1600.00	0.00	359.71	1600.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1700.00	0.00	359.71	1700.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1800.00	0.00	359.71	1800.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	1900.00	0.00	359.71	1900.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	2000.00	0.00	359.71	2000.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	2100.00	0.00	359.71	2100.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04

6/11/2014 12:49 PM Page 2 of 4

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 ° ' ")
KOP Built 12°/100'	7000.00	0.00	359.71	7000.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	7100.00	0.00	359.71	7100.00	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	7182.54	0.00	359.71	7182.54	0.00	0.00	0.00	0.00	591367.40	604446.60	N 32 37 31.99 W 104	7 42.04
	7200.00	2.10	359.71	7200.00	0.32	0.32	0.00	12.00	591367.72	604446.60	N 32 37 31.99 W 104	7 42.04
	7300.00	14.10	359.71	7298.82	14.38	14.38	-0.07	12.00	591381.77	604446.53	N 32 37 32.13 W 104	7 42.04
	7400.00	26.10	359.71	7392.56	48.67	48.67	-0.25	12.00	591416.07	604446.35	N 32 37 32.47 W 104	7 42.04
	7500.00	38.10	359.71	7477.12	101.71	101.71	-0.51	12.00	591469.10	604446.09	N 32 37 32.99 W 104	7 42.04
	7600.00	50.10	359.71	7548.81	171.16	171.16	-0.87	12.00	591538.55	604445.73	N 32 37 33.68 W 104	7 42.04
	7700.00	62.10	359.71	7604.49	254.01	254.01	-1.29	12.00	591621.38	604445.31	N 32 37 34.50 W 104	7 42.05
	7800.00	74.10	359.71	7641.73	346.62	346.62	-1.75	12.00	591713.99	604444.85	N 32 37 35.42 W 104	7 42.05
Landing Point	7900.00	86.10	359.71	7658.90	444.95	444.94	-2.25	12.00	591812.31	604444.35	N 32 37 36.39 W 104	7 42.05
	7932.54	90.00	359.71	7660.00	477.46	477.46	-2.42	12.00	591844.82	604444.18	N 32 37 36.71 W 104	7 42.06
	8000.00	90.00	359.71	7660.00	544.92	544.92	-2.76	0.00	591912.27	604443.84	N 32 37 37.38 W 104	7 42.06
	8100.00	90.00	359.71	7660.00	644.92	644.92	-3.26	0.00	592012.26	604443.34	N 32 37 38.37 W 104	7 42.06
	8200.00	90.00	359.71	7660.00	744.92	744.92	-3.77	0.00	592112.25	604442.83	N 32 37 39.36 W 104	7 42.07
	8300.00	90.00	359.71	7660.00	844.92	844.91	-4.28	0.00	592212.24	604442.32	N 32 37 40.35 W 104	7 42.07
	8400.00	90.00	359.71	7660.00	944.92	944.91	-4.78	0.00	592312.23	604441.82	N 32 37 41.34 W 104	7 42.07
	8500.00	90.00	359.71	7660.00	1044.92	1044.91	-5.29	0.00	592412.22	604441.31	N 32 37 42.33 W 104	7 42.08
	8600.00	90.00	359.71	7660.00	1144.92	1144.91	-5.79	0.00	592512.21	604440.81	N 32 37 43.31 W 104	7 42.08
	8700.00	90.00	359.71	7660.00	1244.92	1244.91	-6.30	0.00	592612.20	604440.30	N 32 37 44.30 W 104	7 42.08
	8800.00	90.00	359.71	7660.00	1344.92	1344.91	-6.80	0.00	592712.19	604439.80	N 32 37 45.29 W 104	7 42.09
	8900.00	90.00	359.71	7660.00	1444.92	1444.91	-7.31	0.00	592812.18	604439.29	N 32 37 46.28 W 104	7 42.09
	9000.00	90.00	359.71	7660.00	1544.92	1544.91	-7.81	0.00	592912.17	604438.79	N 32 37 47.27 W 104	7 42.09
	9100.00	90.00	359.71	7660.00	1644.92	1644.90	-8.32	0.00	593012.16	604438.28	N 32 37 48.26 W 104	7 42.10
	9200.00	90.00	359.71	7660.00	1744.92	1744.90	-8.82	0.00	593112.15	604437.78	N 32 37 49.25 W 104	7 42.10
	9300.00	90.00	359.71	7660.00	1844.92	1844.90	-9.33	0.00	593212.14	604437.27	N 32 37 50.24 W 104	7 42.11
	9400.00	90.00	359.71	7660.00	1944.92	1944.90	-9.83	0.00	593312.13	604436.77	N 32 37 51.23 W 104	7 42.11
	9500.00	90.00	359.71	7660.00	2044.92	2044.90	-10.34	0.00	593412.12	604436.26	N 32 37 52.22 W 104	7 42.11
	9600.00	90.00	359.71	7660.00	2144.92	2144.90	-10.84	0.00	593512.11	604435.76	N 32 37 53.21 W 104	7 42.12
	9700.00	90.00	359.71	7660.00	2244.92	2244.90	-11.35	0.00	593612.10	604435.25	N 32 37 54.20 W 104	7 42.12
	9800.00	90.00	359.71	7660.00	2344.92	2344.89	-11.85	0.00	593712.09	604434.75	N 32 37 55.19 W 104	7 42.12
	9900.00	90.00	359.71	7660.00	2444.92	2444.89	-12.36	0.00	593812.08	604434.24	N 32 37 56.18 W 104	7 42.13
	10000.00	90.00	359.71	7660.00	2544.92	2544.89	-12.86	0.00	593912.07	604433.74	N 32 37 57.17 W 104	7 42.13
	10100.00	90.00	359.71	7660.00	2644.92	2644.89	-13.37	0.00	594012.06	604433.24	N 32 37 58.16 W 104	7 42.13
	10200.00	90.00	359.71	7660.00	2744.92	2744.89	-13.87	0.00	594112.05	604432.73	N 32 37 59.15 W 104	7 42.14
	10300.00	90.00	359.71	7660.00	2844.92	2844.89	-14.37	0.00	594212.04	604432.23	N 32 38 0.14 W 104	7 42.14
	10400.00	90.00	359.71	7660.00	2944.92	2944.89	-14.88	0.00	594312.03	604431.72	N 32 38 1.12 W 104	7 42.15
	10500.00	90.00	359.71	7660.00	3044.92	3044.89	-15.38	0.00	594412.02	604431.22	N 32 38 2.11 W 104	7 42.15
	10600.00	90.00	359.71	7660.00	3144.92	3144.88	-15.88	0.00	594512.01	604430.72	N 32 38 3.10 W 104	7 42.15
	10700.00	90.00	359.71	7660.00	3244.92	3244.88	-16.39	0.00	594612.00	604430.21	N 32 38 4.09 W 104	7 42.16
	10800.00	90.00	359.71	7660.00	3344.92	3344.88	-16.89	0.00	594711.99	604429.71	N 32 38 5.08 W 104	7 42.16
	10900.00	90.00	359.71	7660.00	3444.92	3444.88	-17.40	0.00	594811.98	604429.21	N 32 38 6.07 W 104	7 42.16
	11000.00	90.00	359.71	7660.00	3544.92	3544.88	-17.90	0.00	594911.97	604428.70	N 32 38 7.06 W 104	7 42.17
	11100.00	90.00	359.71	7660.00	3644.92	3644.88	-18.40	0.00	595011.96	604428.20	N 32 38 8.05 W 104	7 42.17
	11200.00	90.00	359.71	7660.00	3744.92	3744.88	-18.91	0.00	595111.95	604427.70	N 32 38 9.04 W 104	7 42.17
	11300.00	90.00	359.71	7660.00	3844.92	3844.88	-19.41	0.00	595211.94	604427.19	N 32 38 10.03 W 104	7 42.18
	11400.00	90.00	359.71	7660.00	3944.92	3944.87	-19.91	0.00	595311.93	604426.69	N 32 38 11.02 W 104	7 42.18
	11500.00	90.00	359.71	7660.00	4044.92	4044.87	-20.41	0.00	595411.92	604426.19	N 32 38 12.01 W 104	7 42.19

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 ° ' ")
	11600.00	90.00	359.71	7660.00	4144.92	4144.87	-20.92	0.00	595511.91	604425.68	N 32 38 13.00 W 104	7 42.19
	11700.00	90.00	359.71	7660.00	4244.92	4244.87	-21.42	0.00	595611.90	604425.18	N 32 38 13.99 W 104	7 42.19
	11800.00	90.00	359.71	7660.00	4344.92	4344.87	-21.92	0.00	595711.89	604424.68	N 32 38 14.98 W 104	7 42.20
	11900.00	90.00	359.71	7660.00	4444.92	4444.87	-22.42	0.00	595811.88	604424.18	N 32 38 15.97 W 104	7 42.20
	12000.00	90.00	359.71	7660.00	4544.92	4544.87	-22.93	0.00	595911.87	604423.67	N 32 38 16.96 W 104	7 42.20
Cimarex Exxon 25 State #3H PBHL	12097.14	90.00	359.71	7660.00	4642.06	4642.00	-23.42	0.00	596008.99	604423.19	N 32 38 17.92 W 104	7 42.21

Survey Type: Non-Def Plan

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

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	12097.137	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Exxon 25 State #3H Rev0 PCG