

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

NM OIL CONSERVATION
ARTESIA DISTRICT
State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015 44951	² Pool Code 55510	³ Pool Name Scanlon Draw, Bone Spring
⁴ Property Code 318093- 321385	⁵ Property Name PARKWAY STATE 17 COM	⁶ Well Number #7H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3369.1'

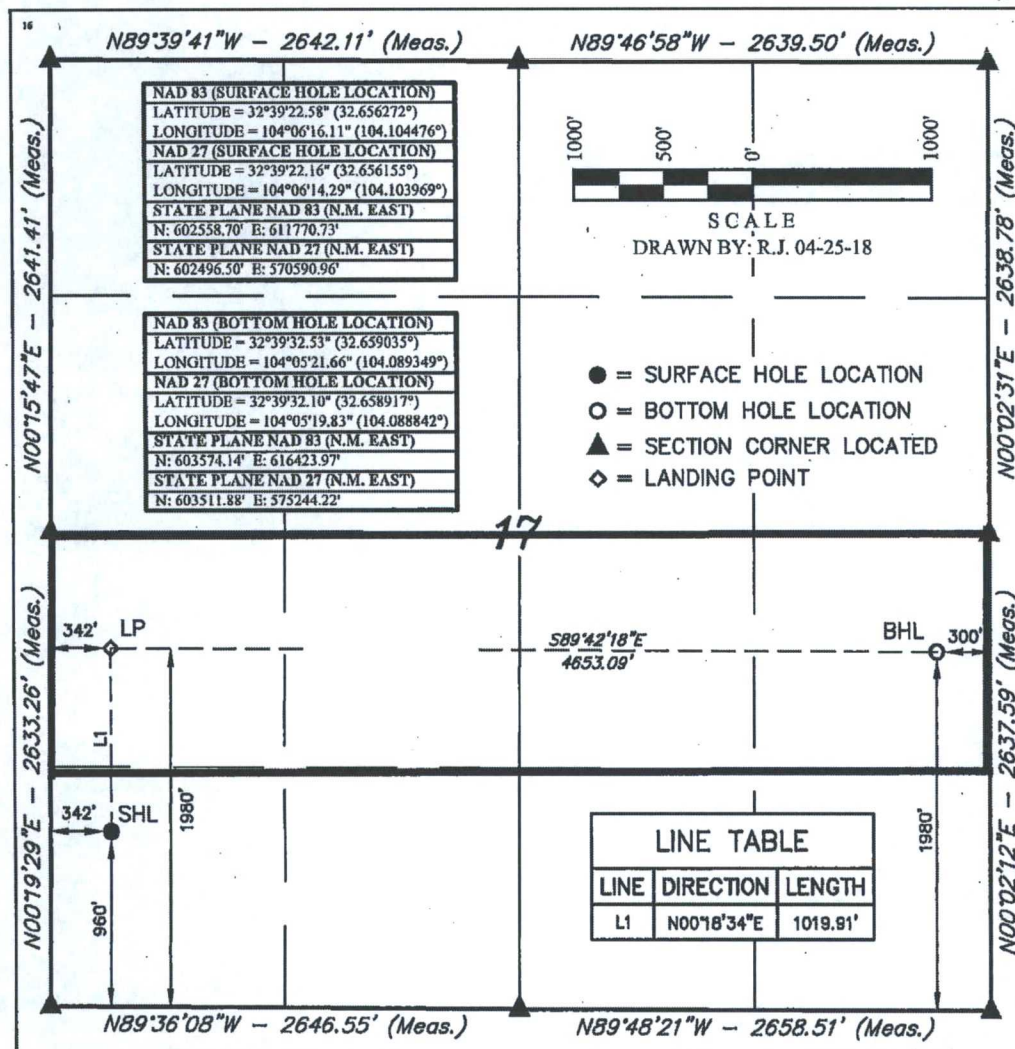
"Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	19S	29E		960	SOUTH	342	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
I	17	19S	29E		1980	SOUTH	300	EAST	EDDY
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.



**"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.

Patricia A. Holland
Signature Date

Patricia Holland 5/1/18

Printed Name

pholland@cimarex.com

E-mail 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.

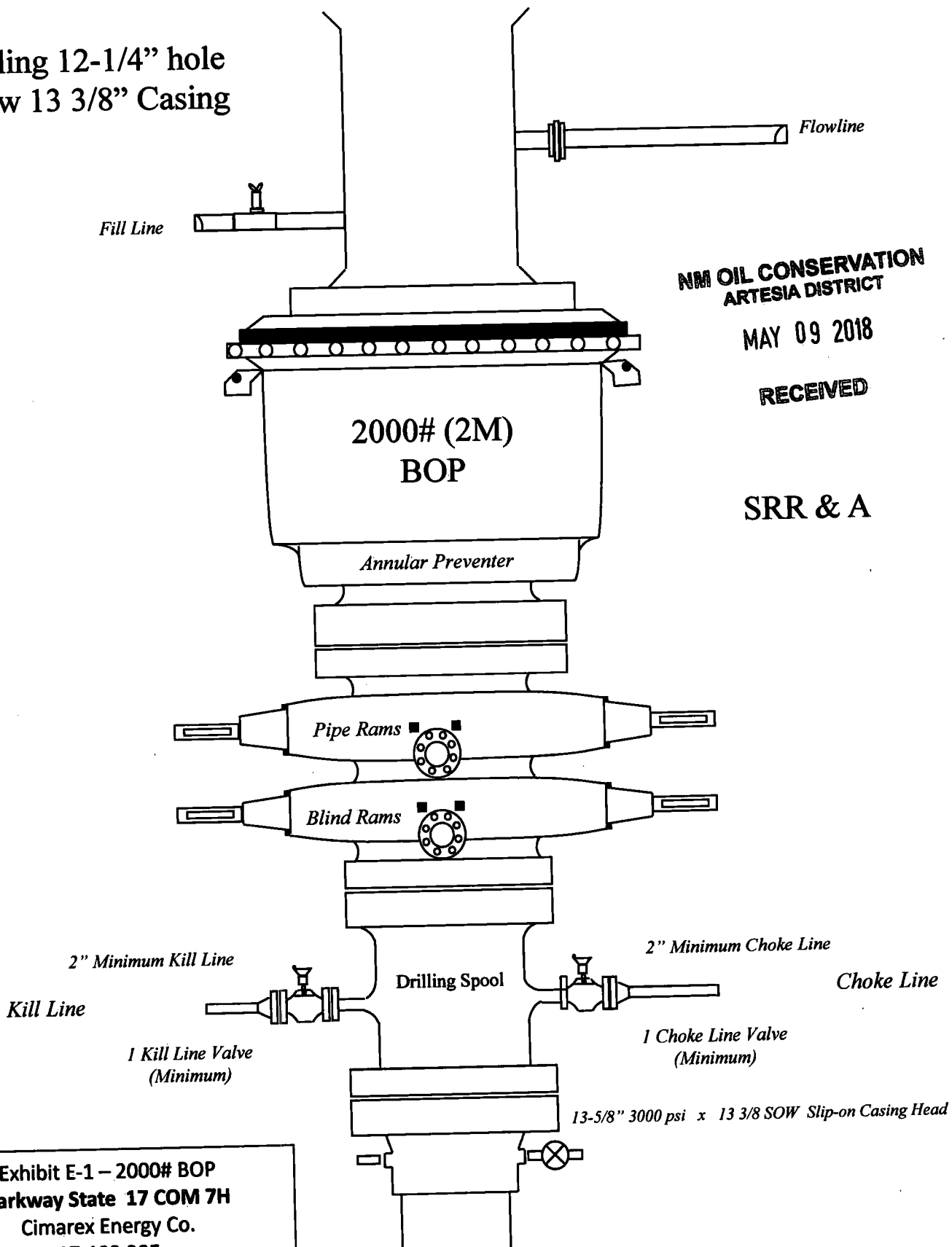
June 08, 2017

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

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



NM OIL CONSERVATION
ARTESIA DISTRICT

MAY 09 2018

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SRR & A

Exhibit E-1 – 2000# BOP
Parkway State 17 COM 7H
Cimarex Energy Co.
17-19S-29E
Eddy, NM

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

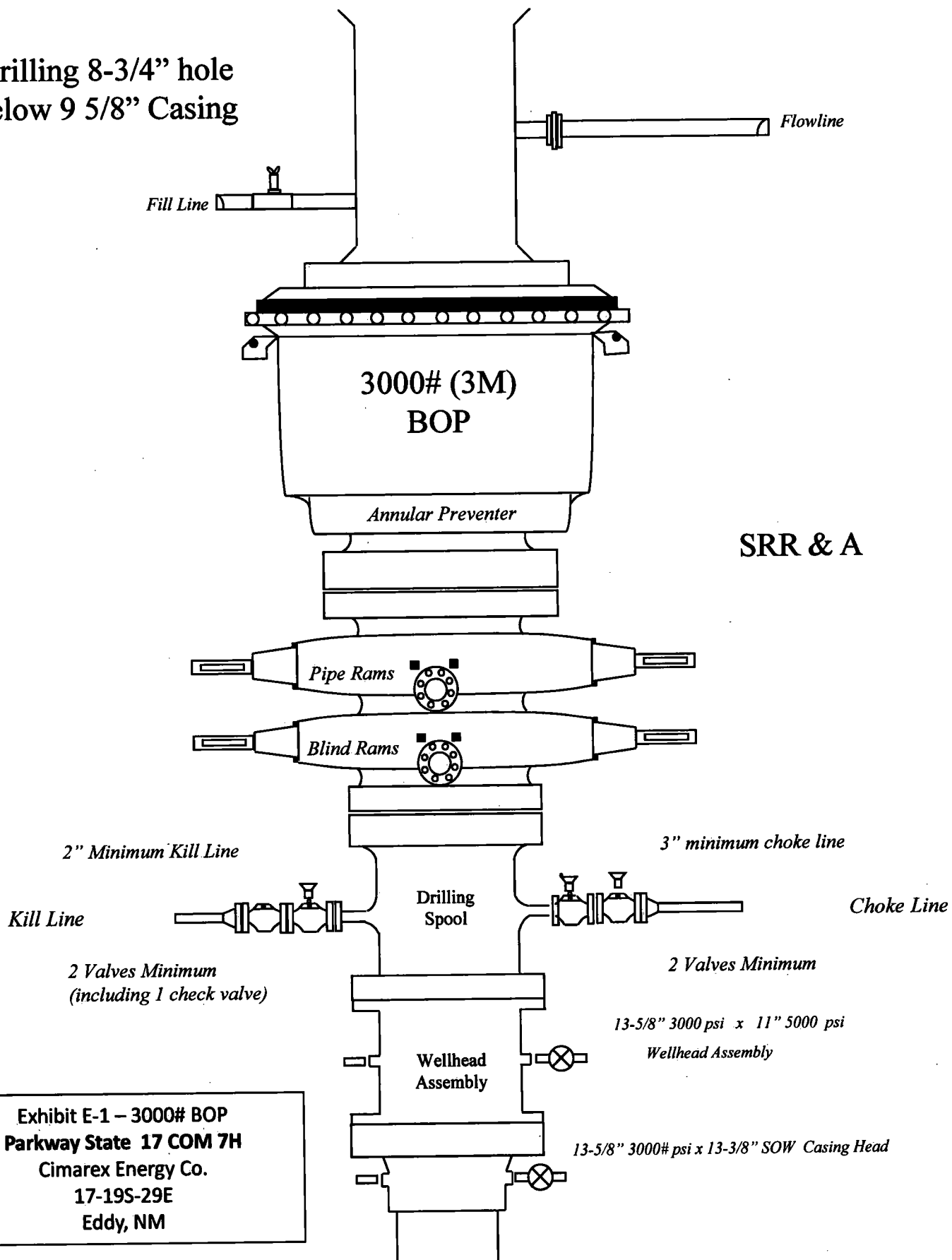


Exhibit E-1 – 3000# BOP
Parkway State 17 COM 7H
Cimarex Energy Co.
17-19S-29E
Eddy, NM

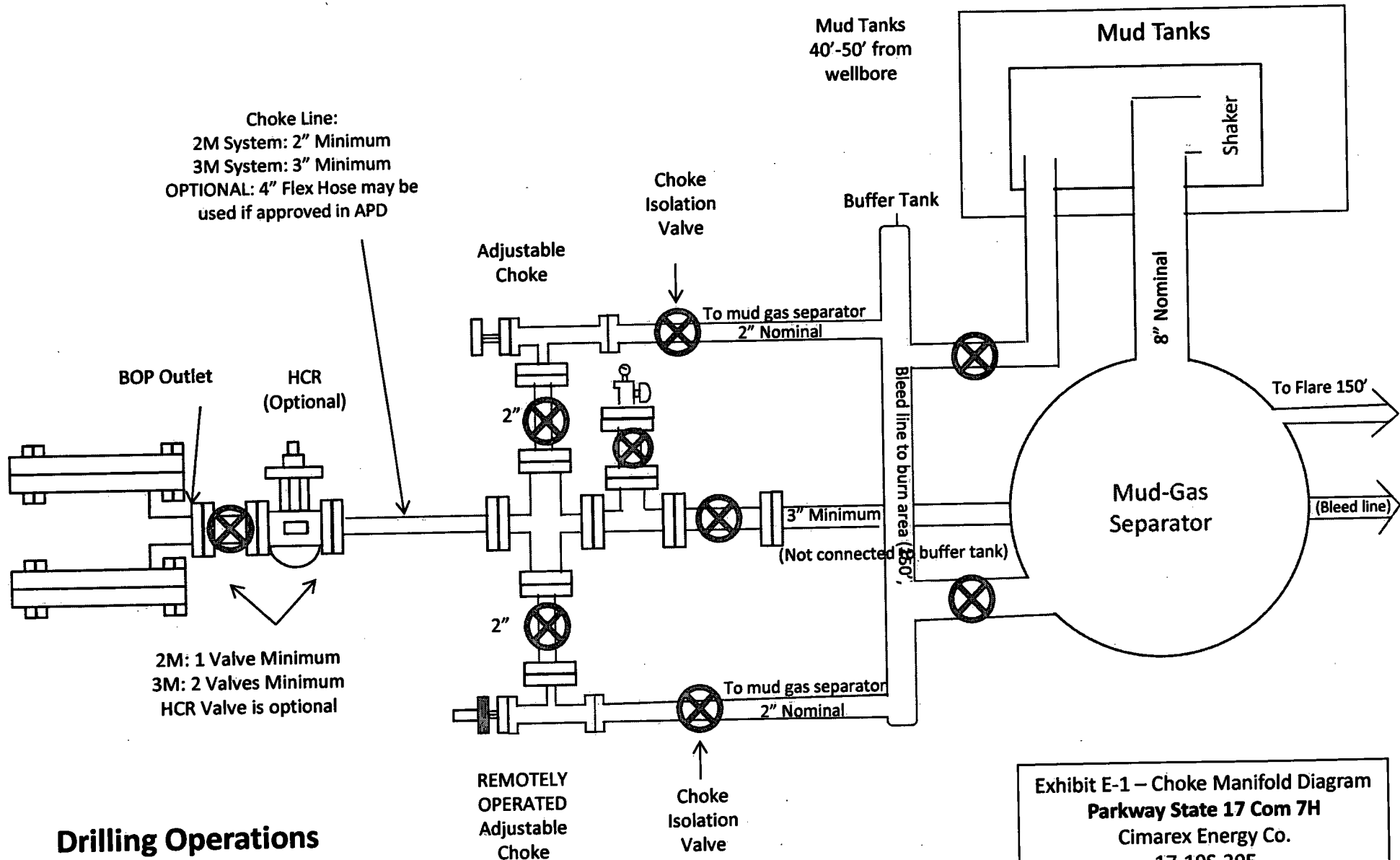


Exhibit E-1 – Choke Manifold Diagram
 Parkway State 17 Com 7H
 Cimarex Energy Co.
 17-19S-29E
 Eddy, NM

Drilling Operations **Choke Manifold** **2M/3M Service**

Cimarex Parkway State 17 Com #7H Rev0 RM 2May18 Proposal Geodetic Report

(Non-Def Plan)

Report Date: May 02, 2018 - 01:38 PM
 Client: Cimarex
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Cimarex Parkway State 17 Com #7H / Cimarex Parkway State 17 Com #7H
 Well: Cimarex Parkway State 17 Com #7H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Parkway State 17 Com #7H Rev0 RM 2May18
 Survey Date: May 02, 2018
 Tort / AHD / DDI / ERD Ratio: 109.293 ° / 5669.190 ft / 5.971 / 0.637
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 39' 22.57978", W 104° 6' 16.11280"
 Location Grid N/E Y/X: N 602558.700 ftUS, E 611770.730 ftUS
 CRS Grid Convergence Angle: 0.1235 °
 Grid Scale Factor: 0.99991477
 Version / Patch: 2.10.715.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 90.000 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3395.100 ft above MSL
 Seabed / Ground Elevation: 3369.100 ft above MSL
 Magnetic Declination: 7.379 °
 Total Gravity Field Strength: 998.5117 mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48094.725 nT
 Magnetic Dip Angle: 60.463 °
 Declination Date: May 02, 2018
 Magnetic Declination Model: HDGM 2018
 North Reference: Grid North
 Grid Convergence Used: 0.1235 °
 Total Corr Mag North->Grid North: 7.2552 °
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
SHL [960' FSL, 342' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
	1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
Nudge 2°/100'	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	602558.70	611770.73	N 32 39 22.58 W 104	6 16.11
DLS	1600.00	2.00	0.00	1599.98	0.00	1.75	0.00	2.00	602560.44	611770.73	N 32 39 22.60 W 104	6 16.11
	1700.00	4.00	0.00	1699.84	0.00	6.98	0.00	2.00	602565.68	611770.73	N 32 39 22.65 W 104	6 16.11
	1800.00	6.00	0.00	1799.45	0.00	15.69	0.00	2.00	602574.39	611770.73	N 32 39 22.74 W 104	6 16.11
	1900.00	8.00	0.00	1898.70	0.00	27.88	0.00	2.00	602586.58	611770.73	N 32 39 22.86 W 104	6 16.11
Hold Nudge	1980.60	9.61	0.00	1978.35	0.00	40.22	0.00	2.00	602598.92	611770.73	N 32 39 22.98 W 104	6 16.11
	2000.00	9.61	0.00	1997.48	0.00	43.46	0.00	0.00	602602.15	611770.73	N 32 39 23.01 W 104	6 16.11
	2100.00	9.61	0.00	2096.07	0.00	60.16	0.00	0.00	602618.85	611770.73	N 32 39 23.17 W 104	6 16.11
	2200.00	9.61	0.00	2194.67	0.00	76.85	0.00	0.00	602635.55	611770.73	N 32 39 23.34 W 104	6 16.11
	2300.00	9.61	0.00	2293.26	0.00	93.55	0.00	0.00	602652.24	611770.73	N 32 39 23.51 W 104	6 16.11

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 ° ' ")
			0.00	2391.86	0.00	110.25	0.00	0.00	602668.94	611770.73	N 32 39 23.67 W 104	6 16.11
	2400.00	9.61	0.00	2490.46	0.00	126.95	0.00	0.00	602685.63	611770.73	N 32 39 23.84 W 104	6 16.11
	2500.00	9.61	0.00	2589.05	0.00	143.64	0.00	0.00	602702.33	611770.73	N 32 39 24.00 W 104	6 16.11
	2600.00	9.61	0.00	2687.65	0.00	160.34	0.00	0.00	602719.03	611770.73	N 32 39 24.17 W 104	6 16.11
	2700.00	9.61	0.00	2786.25	0.00	177.04	0.00	0.00	602735.72	611770.73	N 32 39 24.33 W 104	6 16.11
	2800.00	9.61	0.00	2884.84	0.00	193.74	0.00	0.00	602752.42	611770.73	N 32 39 24.50 W 104	6 16.11
	2900.00	9.61	0.00	2983.44	0.00	210.43	0.00	0.00	602769.11	611770.73	N 32 39 24.66 W 104	6 16.11
	3000.00	9.61	0.00						602779.20	611770.73	N 32 39 24.76 W 104	6 16.11
Delaware Sands	3060.41	9.61	0.00	3043.00	0.00	220.52	0.00	0.00	602785.81	611770.73	N 32 39 24.83 W 104	6 16.11
	3100.00	9.61	0.00	3082.03	0.00	227.13	0.00	0.00	602802.51	611770.73	N 32 39 24.99 W 104	6 16.11
	3200.00	9.61	0.00	3180.63	0.00	243.83	0.00	0.00	602819.20	611770.73	N 32 39 25.16 W 104	6 16.11
	3300.00	9.61	0.00	3279.23	0.00	260.53	0.00	0.00	602835.90	611770.73	N 32 39 25.32 W 104	6 16.11
	3400.00	9.61	0.00	3377.82	0.00	277.22	0.00	0.00	602852.60	611770.73	N 32 39 25.49 W 104	6 16.11
	3500.00	9.61	0.00	3476.42	0.00	293.92	0.00	0.00	602869.29	611770.73	N 32 39 25.65 W 104	6 16.10
	3600.00	9.61	0.00	3575.01	0.00	310.62	0.00	0.00	602885.99	611770.73	N 32 39 25.82 W 104	6 16.10
	3700.00	9.61	0.00	3673.61	0.00	327.32	0.00	0.00	602886.22	611770.73	N 32 39 25.82 W 104	6 16.10
	3701.41	9.61	0.00	3675.00	0.00	327.55	0.00	0.00	602902.68	611770.73	N 32 39 25.98 W 104	6 16.10
Brushy Canyon	3800.00	9.61	0.00	3772.21	0.00	344.01	0.00	0.00	602919.38	611770.73	N 32 39 26.15 W 104	6 16.10
	3800.00	9.61	0.00	3870.80	0.00	360.71	0.00	0.00	602936.08	611770.73	N 32 39 26.31 W 104	6 16.10
	3900.00	9.61	0.00	3969.40	0.00	377.41	0.00	0.00	602952.77	611770.73	N 32 39 26.48 W 104	6 16.10
	4000.00	9.61	0.00	4067.99	0.00	394.11	0.00	0.00	602969.47	611770.73	N 32 39 26.64 W 104	6 16.10
	4100.00	9.61	0.00	4166.59	0.00	410.80	0.00	0.00	602978.51	611770.73	N 32 39 26.73 W 104	6 16.10
	4200.00	9.61	0.00	4220.00	0.00	419.85	0.00	0.00	602986.16	611770.73	N 32 39 26.81 W 104	6 16.10
Bone Spring	4254.17	9.61	0.00	4265.19	0.00	427.50	0.00	0.00	603002.86	611770.73	N 32 39 26.97 W 104	6 16.10
	4300.00	9.61	0.00	4363.78	0.00	444.20	0.00	0.00	603019.56	611770.73	N 32 39 27.14 W 104	6 16.10
	4400.00	9.61	0.00	4462.38	0.00	460.90	0.00	0.00	603036.25	611770.73	N 32 39 27.31 W 104	6 16.10
	4500.00	9.61	0.00	4560.98	0.00	477.59	0.00	0.00	603052.95	611770.73	N 32 39 27.47 W 104	6 16.10
	4600.00	9.61	0.00	4659.57	0.00	494.29	0.00	0.00	603069.64	611770.73	N 32 39 27.64 W 104	6 16.10
	4700.00	9.61	0.00	4758.17	0.00	510.99	0.00	0.00	603086.34	611770.73	N 32 39 27.80 W 104	6 16.10
	4800.00	9.61	0.00	4856.76	0.00	527.69	0.00	0.00	603103.04	611770.73	N 32 39 27.97 W 104	6 16.10
	4900.00	9.61	0.00	4955.36	0.00	544.38	0.00	0.00	603119.73	611770.73	N 32 39 28.13 W 104	6 16.10
	5000.00	9.61	0.00	5053.96	0.00	561.08	0.00	0.00	603136.43	611770.73	N 32 39 28.30 W 104	6 16.10
	5100.00	9.61	0.00	5152.55	0.00	577.78	0.00	0.00	603153.12	611770.73	N 32 39 28.46 W 104	6 16.10
	5200.00	9.61	0.00	5251.15	0.00	594.48	0.00	0.00	603169.82	611770.73	N 32 39 28.63 W 104	6 16.10
	5300.00	9.61	0.00	5349.74	0.00	611.17	0.00	0.00	603186.52	611770.73	N 32 39 28.79 W 104	6 16.10
	5400.00	9.61	0.00	5448.34	0.00	627.87	0.00	0.00	603203.21	611770.73	N 32 39 28.96 W 104	6 16.10
	5500.00	9.61	0.00	5546.94	0.00	644.57	0.00	0.00	603219.91	611770.73	N 32 39 29.12 W 104	6 16.10
	5600.00	9.61	0.00	5645.53	0.00	661.27	0.00	0.00	603236.60	611770.73	N 32 39 29.29 W 104	6 16.10
	5700.00	9.61	0.00	5744.13	0.00	677.96	0.00	0.00	603253.30	611770.73	N 32 39 29.45 W 104	6 16.10
	5800.00	9.61	0.00	5842.72	0.00	694.66	0.00	0.00	603270.00	611770.73	N 32 39 29.62 W 104	6 16.09
	5900.00	9.61	0.00	5941.32	0.00	711.36	0.00	0.00	603286.69	611770.73	N 32 39 29.78 W 104	6 16.09
	6000.00	9.61	0.00	6039.92	0.00	728.06	0.00	0.00	603303.39	611770.73	N 32 39 29.95 W 104	6 16.09
	6100.00	9.61	0.00	6138.51	0.00	744.75	0.00	0.00	603320.08	611770.73	N 32 39 30.11 W 104	6 16.09
	6200.00	9.61	0.00	6237.11	0.00	761.45	0.00	0.00	603336.78	611770.73	N 32 39 30.28 W 104	6 16.09
	6300.00	9.61	0.00	6335.71	0.00	778.15	0.00	0.00	603353.48	611770.73	N 32 39 30.44 W 104	6 16.09
	6400.00	9.61	0.00	6434.30	0.00	794.85	0.00	0.00	603370.17	611770.73	N 32 39 30.61 W 104	6 16.09
	6500.00	9.61	0.00	6532.90	0.00	811.54	0.00	0.00	603386.87	611770.73	N 32 39 30.77 W 104	6 16.09
	6600.00	9.61	0.00	6631.49	0.00	828.24	0.00	0.00	603403.57	611770.73	N 32 39 30.94 W 104	6 16.09
	6700.00	9.61	0.00	6730.09	0.00	844.94	0.00	0.00	603420.26	611770.73	N 32 39 31.11 W 104	6 16.09
	6800.00	9.61	0.00	6828.69	0.00	861.64	0.00	0.00	603426.24	611770.73	N 32 39 31.16 W 104	6 16.09
	6900.00	9.61	0.00						603436.96	611770.73	N 32 39 31.27 W 104	6 16.09
1st Bone Spring Sand	6935.82	9.61	0.00	6864.00	0.00	867.62	0.00	0.00	603453.65	611770.73	N 32 39 31.44 W 104	6 16.09
	7000.00	9.61	0.00	6927.28	0.00	878.33	0.00	0.00	603470.35	611770.73	N 32 39 31.60 W 104	6 16.09
	7100.00	9.61	0.00	7025.88	0.00	895.03	0.00	0.00	603487.05	611770.73	N 32 39 31.77 W 104	6 16.09
	7200.00	9.61	0.00	7124.47	0.00	911.73	0.00	0.00	603503.74	611770.73	N 32 39 31.93 W 104	6 16.09
	7300.00	9.61	0.00	7223.07	0.00	928.43	0.00	0.00	603520.44	611770.73	N 32 39 32.10 W 104	6 16.09
	7400.00	9.61	0.00	7321.67	0.00	945.12	0.00	0.00				
	7500.00	9.61	0.00	7420.26	0.00	961.82	0.00	0.00				

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 ° ' ")
						975.33	0.00	0.00	603533.94	611770.73	N 32 39 32.23 W 104	6 16.09
Drop to Vertical	7580.87	9.61	0.00	7500.00	0.00							
2"/100' DLS						978.46	0.00	2.00	603537.07	611770.73	N 32 39 32.26 W 104	6 16.09
	7600.00	9.23	0.00	7518.87	0.00			2.00	603551.38	611770.73	N 32 39 32.40 W 104	6 16.09
	7700.00	7.23	0.00	7617.83	0.00							
						1001.99	0.00	2.00	603560.60	611770.73	N 32 39 32.49 W 104	6 16.09
2nd Bone	7782.68	5.58	0.00	7700.00	0.00							
Spring Sand						1003.62	0.00	2.00	603562.23	611770.73	N 32 39 32.51 W 104	6 16.09
	7800.00	5.23	0.00	7717.24	0.00			2.00	603569.61	611770.73	N 32 39 32.58 W 104	6 16.09
	7900.00	3.23	0.00	7816.96	0.00			2.00	603573.50	611770.73	N 32 39 32.62 W 104	6 16.09
	8000.00	1.23	0.00	7916.88	0.00			2.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
Hold Vertical	8061.47	0.00	0.00	7978.35	0.00			0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
	8100.00	0.00	0.00	8016.88	0.00			0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
	8200.00	0.00	0.00	8116.88	0.00			0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
	8300.00	0.00	0.00	8216.88	0.00			0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
	8400.00	0.00	0.00	8316.88	0.00			0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
	8500.00	0.00	0.00	8416.88	0.00							
						1015.54	0.00	0.00	603574.16	611770.73	N 32 39 32.63 W 104	6 16.09
KOP - Build	8510.66	0.00	0.00	8427.54	0.00							
12"/100' DLS						1015.54	8.33	12.00	603574.16	611779.06	N 32 39 32.63 W 104	6 15.99
	8600.00	10.72	90.00	8516.36	8.33							
						1015.54	14.67	12.00	603574.16	611785.40	N 32 39 32.63 W 104	6 15.92
3rd Bone	8629.34	14.24	90.00	8545.00	14.67							
Spring Sand						1015.54	37.05	12.00	603574.16	611807.78	N 32 39 32.63 W 104	6 15.65
	8700.00	22.72	90.00	8611.95	37.05			12.00	603574.16	611855.74	N 32 39 32.63 W 104	6 15.09
	8800.00	34.72	90.00	8699.49	85.02			12.00	603574.15	611920.85	N 32 39 32.62 W 104	6 14.33
	8900.00	46.72	90.00	8775.14	150.14			12.00	603574.15	612000.27	N 32 39 32.62 W 104	6 13.40
	9000.00	58.72	90.00	8835.60	229.56			12.00	603574.15	612090.52	N 32 39 32.62 W 104	6 12.35
	9100.00	70.72	90.00	8878.22	319.82			12.00	603574.15	612187.66	N 32 39 32.62 W 104	6 11.21
	9200.00	82.72	90.00	8901.15	416.97			12.00	603574.15	612248.72	N 32 39 32.62 W 104	6 10.50
	9261.23	90.07	90.00	8905.00	478.04			0.00	603574.15	612287.49	N 32 39 32.62 W 104	6 10.04
Landing Point	9300.00	90.07	90.00	8904.95	516.81			0.00	603574.15	612387.48	N 32 39 32.61 W 104	6 8.87
	9400.00	90.07	90.00	8904.83	616.81			0.00	603574.15	612487.47	N 32 39 32.61 W 104	6 7.70
	9500.00	90.07	90.00	8904.71	716.81			0.00	603574.15	612587.46	N 32 39 32.61 W 104	6 6.53
	9600.00	90.07	90.00	8904.59	816.81			0.00	603574.15	612687.46	N 32 39 32.61 W 104	6 5.36
	9700.00	90.07	90.00	8904.47	916.80			0.00	603574.15	612787.45	N 32 39 32.61 W 104	6 4.19
	9800.00	90.07	90.00	8904.35	1016.80			0.00	603574.15	612887.44	N 32 39 32.60 W 104	6 3.02
	9900.00	90.07	90.00	8904.24	1116.80			0.00	603574.15	612987.43	N 32 39 32.60 W 104	6 1.85
	10000.00	90.07	90.00	8904.12	1216.80			0.00	603574.15	613087.42	N 32 39 32.60 W 104	6 0.68
	10100.00	90.07	90.00	8904.00	1316.80			0.00	603574.15	613187.41	N 32 39 32.60 W 104	5 59.52
	10200.00	90.07	90.00	8903.88	1416.80			0.00	603574.15	613287.40	N 32 39 32.60 W 104	5 58.35
	10300.00	90.07	90.00	8903.76	1516.80			0.00	603574.15	613387.39	N 32 39 32.59 W 104	5 57.18
	10400.00	90.07	90.00	8903.64	1616.80			0.00	603574.15	613487.38	N 32 39 32.59 W 104	5 56.01
	10500.00	90.07	90.00	8903.52	1716.80			0.00	603574.15	613587.38	N 32 39 32.59 W 104	5 54.84
	10600.00	90.07	90.00	8903.40	1816.80			0.00	603574.15	613687.37	N 32 39 32.59 W 104	5 53.67
	10700.00	90.07	90.00	8903.28	1916.80			0.00	603574.15	613787.36	N 32 39 32.58 W 104	5 52.50
	10800.00	90.07	90.00	8903.16	2016.80			0.00	603574.15	613887.35	N 32 39 32.58 W 104	5 51.33
	10900.00	90.07	90.00	8903.04	2116.80			0.00	603574.15	613987.34	N 32 39 32.58 W 104	5 50.16
	11000.00	90.07	90.00	8902.92	2216.80			0.00	603574.15	614087.33	N 32 39 32.58 W 104	5 48.99
	11100.00	90.07	90.00	8902.80	2316.80			0.00	603574.15	614187.32	N 32 39 32.58 W 104	5 47.82
	11200.00	90.07	90.00	8902.68	2416.80			0.00	603574.15	614287.31	N 32 39 32.57 W 104	5 46.65
	11300.00	90.07	90.00	8902.56	2516.80			0.00	603574.15	614387.31	N 32 39 32.57 W 104	5 45.48
	11400.00	90.07	90.00	8902.44	2616.80			0.00	603574.15	614487.30	N 32 39 32.57 W 104	5 44.31
	11500.00	90.07	90.00	8902.32	2716.80			0.00	603574.15	614587.29	N 32 39 32.57 W 104	5 43.14
	11600.00	90.07	90.00	8902.20	2816.80			0.00	603574.15	614687.28	N 32 39 32.56 W 104	5 41.97
	11700.00	90.07	90.00	8902.08	2916.80			0.00	603574.15	614787.27	N 32 39 32.56 W 104	5 40.80
	11800.00	90.07	90.00	8901.96	3016.80			0.00	603574.15	614887.26	N 32 39 32.56 W 104	5 39.63
	11900.00	90.07	90.00	8901.84	3116.80			0.00	603574.14	614987.25	N 32 39 32.56 W 104	5 38.46
	12000.00	90.07	90.00	8901.72	3216.80			0.00	603574.14	615087.24	N 32 39 32.56 W 104	5 37.29
	12100.00	90.07	90.00	8901.60	3316.80			0.00	603574.14	615187.24	N 32 39 32.55 W 104	5 36.12
	12200.00	90.07	90.00	8901.48	3416.80			0.00	603574.14	615287.23	N 32 39 32.55 W 104	5 34.95
	12300.00	90.07	90.00	8901.36	3516.80			0.00	603574.14	615387.22	N 32 39 32.55 W 104	5 33.78
	12400.00	90.07	90.00	8901.24	3616.80							

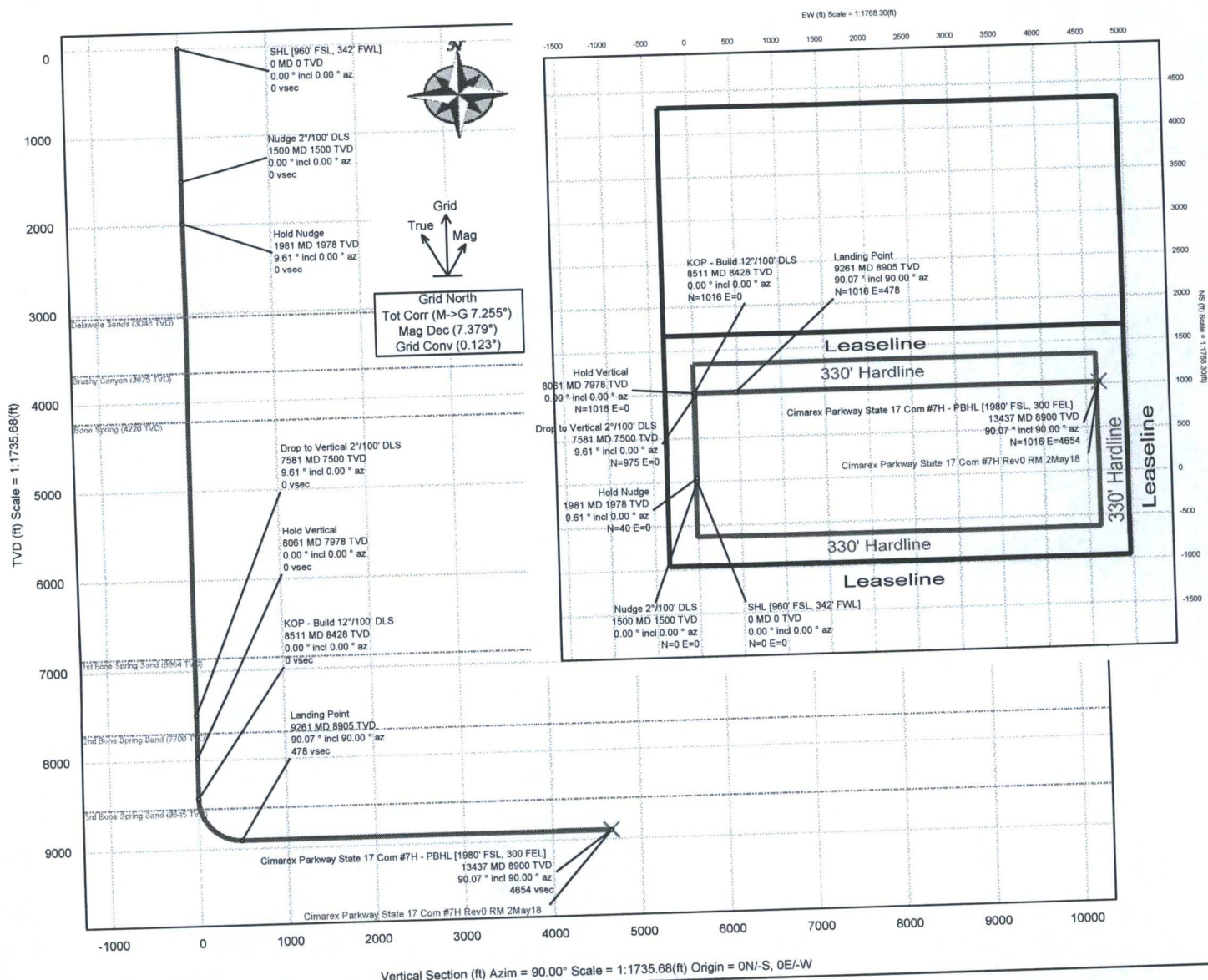
Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	12500.00	90.07	90.00	8901.12	3716.80	1015.53	3716.80	0.00	603574.14	615487.21	N 32 39 32.55 W 104	5 32.61
	12600.00	90.07	90.00	8901.00	3816.80	1015.53	3816.80	0.00	603574.14	615587.20	N 32 39 32.54 W 104	5 31.44
	12700.00	90.07	90.00	8900.88	3916.80	1015.53	3916.80	0.00	603574.14	615687.19	N 32 39 32.54 W 104	5 30.27
	12800.00	90.07	90.00	8900.76	4016.80	1015.53	4016.80	0.00	603574.14	615787.18	N 32 39 32.54 W 104	5 29.10
	12900.00	90.07	90.00	8900.64	4116.80	1015.53	4116.80	0.00	603574.14	615887.17	N 32 39 32.54 W 104	5 27.93
	13000.00	90.07	90.00	8900.52	4216.80	1015.53	4216.80	0.00	603574.14	615987.16	N 32 39 32.54 W 104	5 26.76
	13100.00	90.07	90.00	8900.40	4316.80	1015.53	4316.80	0.00	603574.14	616087.16	N 32 39 32.53 W 104	5 25.59
	13200.00	90.07	90.00	8900.28	4416.80	1015.53	4416.80	0.00	603574.14	616187.15	N 32 39 32.53 W 104	5 24.43
	13300.00	90.07	90.00	8900.16	4516.80	1015.53	4516.80	0.00	603574.14	616287.14	N 32 39 32.53 W 104	5 23.26
	13400.00	90.07	90.00	8900.04	4616.80	1015.53	4616.80	0.00	603574.14	616387.13	N 32 39 32.53 W 104	5 22.09
Cimarex Parkway State 17 Com #7H - PBHL [1980' FSL, 300 FEL]	13436.84	90.07	90.00	8900.00	4653.65	1015.53	4653.65	0.00	603574.14	616423.97	N 32 39 32.53 W 104	5 21.66

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)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	26.000	1/100.000	30.000	30.000		NAL_MWD_IFR1+MS-Depth Only	Original Borehole / Cimarex Parkway State 17 Com #7H Rev0 RM 2May18
	1	26.000	13436.844	1/100.000	30.000	30.000		NAL_MWD_IFR1+MS	Original Borehole / Cimarex Parkway State 17 Com #7H

Borehole: Original Borehole		Well: Cimarex Parkway State 17 Com #7H	Field: NM Eddy County (NAD 83)	Structure: Cimarex Parkway State 17 Com #7H
Gravity & Magnetic Parameters		Surface Location NAD83 New Mexico State Plane, Eastern Zone, US Feet		Miscellaneous
Model: HDGM 2018	Dip: 60.463°	Date: 02-May-2018	Lat: N 32 39 22.68	Slot: Cimarex Parkway State 17 Com #7H
MagDec: 7.379°	FS: 48094.726nT	Gravity FS: 998.512mgN (9.80665 Based)	North: 602568.7mUS	TVD Ref: RKB(3396.1ft above MSL)
			Grid Conv: 0.1235°	Plan: Cimarex Parkway State 17 Com #7H Rev0 RM 2May18
			Lon: W 104 6 16.11	
			Easting: 611770.73mUS	
			Scale Fact: 0.99991477	



Vertical Section (ft) Azim = 90.00° Scale = 1:1735.68(ft) Origin = 0N/-S, 0E/-W

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [960' FSL, 342' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge 2°/100' DLS	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	2.00
Hold Nudge	1980.60	9.61	0.00	1978.35	0.00	40.22	0.00	0.00
Delaware Sands	3060.41	9.61	0.00	3043.00	0.00	327.55	0.00	0.00
Brushy Canyon	3701.41	9.61	0.00	3675.00	0.00	419.85	0.00	0.00
Bone Spring	4254.17	9.61	0.00	4220.00	0.00	867.62	0.00	0.00
1st Bone Spring Sand	6935.82	9.61	0.00	6864.00	0.00	975.33	0.00	0.00
Drop to Vertical 2°/100' DLS	7580.87	9.61	0.00	7500.00	0.00	1001.99	0.00	2.00
2nd Bone Spring Sand	7782.68	5.58	0.00	7700.00	0.00	1015.54	0.00	2.00
Hold Vertical	8061.47	0.00	0.00	7978.35	0.00	1015.54	0.00	0.00
KOP - Build 12°/100' DLS	8510.66	0.00	0.00	8427.54	0.00	1015.54	14.67	12.00
3rd Bone Spring Sand	8629.34	14.24	90.00	8545.00	14.67	1015.54	478.04	12.00
Landing Point	9261.23	90.07	90.00	8905.00	478.04	1015.54	4653.65	0.00
Cimarex Parkway State 17 Com #7H	13436.84	90.07	90.00	8900.00	4653.65	1015.53	4653.65	0.00
- PBHL [1980' FSL, 300' FEL]	NaN			8950.00				
Wolfcamp								