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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

☒ AMENDED REPORT  
AS DRILLED

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-46537	<sup>2</sup> Pool Code 28435	<sup>3</sup> Pool Name GRAMA RIDGE; BONE SPRING, NE <i>KZ</i>
<sup>4</sup> Property Code	<sup>5</sup> Property Name GRAMA RIDGE EAST 34 STATE COM 2BS	<sup>6</sup> Well Number 9H
<sup>7</sup> OGRID No. 372137	<sup>8</sup> Operator Name CHISHOLM ENERGY OPERATING, LLC	<sup>9</sup> Elevation 3616'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	21S	34E		226	SOUTH	1273	EAST	LEA

<sup>11</sup> 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
A	34	21S	34E		80	NORTH	465	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill INFILL	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

<p>BHL 80' FNL 465' FEL BHL LOCATION LAT 32.442465 LONG -103.450696 NMSPCE-NAD83 N 525824.8 E 813627.08</p> <p>TOE PERF 159' FSL 458' FEL LAT 32.442245 LONG -103.450676 NAD 83</p> <p>TOP PERF 781' FSL 447' FEL LAT 32.430255 LONG -103.450636 NAD 83</p> <p>SHL 226' FSL 1273' FEL SURFACE LOCATION LAT 32.428777 LONG -103.453312 NMSPCE-NAD83 N 520838.5 E 812861.1</p> <p>KOP 244' FSL 491' FEL LAT 32.428833 LONG -103.450777 NAD 83</p> <p>21S 34E 34 22S 34E</p> <p>N 525857.8 E 808809.9 N 525908.9 E 814090.9 N 520568.2 E 808855.9 N 520626.95 E 814136.3</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b> 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.</p> <p><i>Jennifer Elrod</i> 06/10/2020 Signature Date</p> <p>JENNIFER ELROD Printed Name</p> <p>JELROD@CHISHOLMENERGY.COM E-mail Address</p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>
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Intent ☐ As Drilled ☒

Rec'd 6/10/2020 - NMOCD

API #		
Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: GRAMA RIDGE EAST 34 2BS STATE COM	Well Number 9H

Kick Off Point (KOP)

UL P	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	21S	34E		244	SOUTH	491	EAST	LEA
Latitude 32.428833					Longitude -103.450777				NAD 83

First Take Point (FTP)

UL P	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	21S	34E		761	SOUTH	447	EAST	LEA
Latitude 32.430255					Longitude -103.450636				NAD 83

Last Take Point (LTP)

UL A	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	21S	34E		159	SOUTH	458	EAST	LEA
Latitude 32.442245					Longitude -103.450676				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-025-45625		
Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: GRAMA RIDGE EAST 34 STATE COM 2BS	Well Number 5''



# Chisholm Grama Ridge East 34 State 2BS 9H MWD Surveys 0ft to 15020ft

## MD Survey Geodetic Report

(Def Survey)



**Report Date:** March 25, 2020 - 11:37 AM  
**Client:** Chisholm  
**Field:** NM Lea County (NAD 83)  
**Structure / Slot:** Chisholm Grama Ridge East 34 State 2BS 9H / New Slot  
**Well:** Grama Ridge East 34 State 2BS 9H  
**Borehole:** Grama Ridge East 34 State 2BS 9H  
**UWI / API#:** Unknown / Unknown  
**Survey Name:** Chisholm Grama Ridge East 34 State 2BS 9H MWD Surveys 0ft to 15020ft MD  
**Survey Date:** March 21, 2020  
**Tort / AHD / DDI / ERD Ratio:** 203.819 ° / 5784.330 ft / 6.234 / 0.559  
**Coordinate Reference System:** NAD83 New Mexico State Plane, Eastern Zone, US Feet  
**Location Lat / Long:** N 32° 25' 43.59771", W 103° 27' 11.92249"  
**Location Grid N/E Y/X:** N 520838.500 fTUS, E 812861.100 fTUS  
**CRS Grid Convergence Angle:** 0.4719 °  
**Grid Scale Factor:** 0.99999353  
**Version / Patch:** 2.10.810.1

**Survey / DLS Computation:** Minimum Curvature / Lubinski  
**Vertical Section Azimuth:** 359.510 ° (Grid North)  
**Vertical Section Origin:** 0.000 ft, 0.000 ft  
**TVD Reference Datum:** RKB  
**TVD Reference Elevation:** 3647.000 ft above MSL  
**Seabed / Ground Elevation:** 3616.000 ft above MSL  
**Magnetic Declination:** 6.538 °  
**Total Gravity Field Strength:** 998.4793mgn (9.80665 Based)  
**Gravity Model:** GARM  
**Total Magnetic Field Strength:** 47950.313 nT  
**Magnetic Dip Angle:** 60.237 °  
**Declination Date:** March 21, 2020  
**Magnetic Declination Model:** HDGM 2020  
**North Reference:** Grid North  
**Grid Convergence Used:** 0.4719 °  
**Total Corr Mag North->Grid North:** 6.0664 °  
**Local Coord Referenced To:** Well Head

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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	520838.50	812861.10	N 32 25 43.60	W 103 27 11.92
First SLB MWD Survey	178.00	0.75	121.59	177.99	-0.62	-0.61	0.99	0.42	520837.89	812862.09	N 32 25 43.59	W 103 27 11.91
	304.00	0.67	125.74	303.99	-1.49	-1.47	2.29	0.08	520837.03	812863.39	N 32 25 43.58	W 103 27 11.90
	331.00	0.61	121.95	330.98	-1.66	-1.64	2.54	0.27	520836.86	812863.64	N 32 25 43.58	W 103 27 11.89
	388.00	0.56	112.84	387.98	-1.94	-1.91	3.06	0.18	520836.59	812864.16	N 32 25 43.58	W 103 27 11.89
	447.00	0.40	125.48	446.98	-2.17	-2.14	3.49	0.32	520836.36	812864.59	N 32 25 43.58	W 103 27 11.88
	510.00	0.43	119.18	509.98	-2.42	-2.38	3.88	0.09	520836.12	812864.98	N 32 25 43.57	W 103 27 11.88
	636.00	0.28	124.92	635.97	-2.83	-2.79	4.54	0.12	520835.71	812865.64	N 32 25 43.57	W 103 27 11.87
	731.00	0.25	152.67	730.97	-3.15	-3.11	4.83	0.14	520835.39	812865.93	N 32 25 43.57	W 103 27 11.87
	825.00	0.33	155.46	824.97	-3.58	-3.54	5.03	0.09	520834.96	812866.13	N 32 25 43.56	W 103 27 11.86
	927.00	0.13	137.63	926.97	-3.93	-3.89	5.23	0.21	520834.61	812866.33	N 32 25 43.56	W 103 27 11.86
	1021.00	0.16	155.83	1020.97	-4.13	-4.09	5.36	0.06	520834.41	812866.46	N 32 25 43.56	W 103 27 11.86
	1115.00	0.08	158.72	1114.97	-4.31	-4.27	5.44	0.09	520834.23	812866.54	N 32 25 43.56	W 103 27 11.86
	1210.00	0.00	6.08	1209.97	-4.38	-4.33	5.46	0.08	520834.17	812866.56	N 32 25 43.55	W 103 27 11.86
	1304.00	0.08	228.96	1303.97	-4.42	-4.37	5.41	0.09	520834.13	812866.51	N 32 25 43.55	W 103 27 11.86
	1398.00	0.13	207.11	1397.97	-4.56	-4.51	5.31	0.07	520833.99	812866.41	N 32 25 43.55	W 103 27 11.86
	1493.00	0.13	209.08	1492.97	-4.75	-4.70	5.21	0.00	520833.80	812866.31	N 32 25 43.55	W 103 27 11.86
	1587.00	0.13	179.58	1586.97	-4.94	-4.90	5.16	0.07	520833.60	812866.26	N 32 25 43.55	W 103 27 11.86
	1682.00	0.11	332.63	1681.97	-4.97	-4.93	5.12	0.25	520833.57	812866.22	N 32 25 43.55	W 103 27 11.86
	1703.00	0.17	242.44	1702.97	-4.97	-4.92	5.08	0.97	520833.58	812866.18	N 32 25 43.55	W 103 27 11.86
	1869.00	0.18	135.52	1868.97	-5.27	-5.22	5.05	0.17	520833.28	812866.15	N 32 25 43.55	W 103 27 11.86
	1964.00	1.93	75.24	1963.95	-4.98	-4.92	6.70	1.94	520833.58	812867.80	N 32 25 43.55	W 103 27 11.84
	2058.00	4.49	79.29	2057.80	-3.94	-3.84	11.85	2.73	520834.66	812872.95	N 32 25 43.56	W 103 27 11.78
	2153.00	5.97	78.95	2152.40	-2.37	-2.20	20.35	1.56	520836.30	812881.45	N 32 25 43.57	W 103 27 11.69
	2247.00	5.60	78.57	2245.92	-0.61	-0.35	29.64	0.40	520838.15	812890.74	N 32 25 43.59	W 103 27 11.58
	2341.00	5.57	77.83	2339.47	1.19	1.52	38.60	0.08	520840.02	812899.70	N 32 25 43.61	W 103 27 11.47
	2436.00	5.56	77.86	2434.02	3.05	3.46	47.60	0.01	520841.96	812908.70	N 32 25 43.63	W 103 27 11.37
	2530.00	5.37	76.88	2527.60	4.93	5.41	56.34	0.23	520843.91	812917.44	N 32 25 43.65	W 103 27 11.26
	2625.00	5.22	74.48	2622.19	7.03	7.58	64.83	0.28	520846.08	812925.93	N 32 25 43.67	W 103 27 11.17
	2719.00	5.72	85.72	2715.77	8.44	9.07	73.62	1.26	520847.57	812934.72	N 32 25 43.68	W 103 27 11.06
	2813.00	6.10	94.85	2809.27	8.29	9.00	83.27	1.08	520847.50	812944.37	N 32 25 43.68	W 103 27 10.95
	2908.00	5.91	90.33	2903.75	7.75	8.55	93.19	0.54	520847.05	812954.29	N 32 25 43.67	W 103 27 10.83
	3002.00	6.20	88.79	2997.22	7.74	8.63	103.11	0.35	520847.13	812964.20	N 32 25 43.67	W 103 27 10.72
	3097.00	6.50	88.21	3091.64	7.93	8.90	113.61	0.32	520847.40	812974.71	N 32 25 43.68	W 103 27 10.60
	3192.00	6.81	85.60	3186.00	8.44	9.50	124.60	0.46	520848.00	812985.70	N 32 25 43.68	W 103 27 10.47
	3287.00	7.01	82.29	3280.31	9.55	10.71	135.96	0.47	520849.21	812997.06	N 32 25 43.69	W 103 27 10.34
	3382.00	7.02	82.77	3374.60	10.96	12.22	147.46	0.06	520850.72	813008.56	N 32 25 43.71	W 103 27 10.20
	3477.00	7.19	80.83	3468.87	12.54	13.90	159.09	0.31	520852.40	813020.19	N 32 25 43.72	W 103 27 10.07
	3571.00	7.22	79.40	3562.13	14.46	15.92	170.71	0.19	520854.42	813031.80	N 32 25 43.74	W 103 27 9.93
	3666.00	7.51	79.16	3656.34	16.62	18.19	182.67	0.31	520856.69	813043.77	N 32 25 43.76	W 103 27 9.79
	3761.00	7.07	88.34	3750.58	17.86	19.52	194.61	1.31	520858.02	813055.71	N 32 25 43.78	W 103 27 9.65
	3856.00	6.68	91.94	3844.90	17.74	19.51	205.98	0.61	520858.01	813067.08	N 32 25 43.77	W 103 27 9.52
	3950.00	6.19	88.86	3938.30	17.57	19.42	216.51	0.64	520857.92	813077.61	N 32 25 43.77	W 103 27 9.39
	4045.00	6.12	89.08	4032.76	17.67	19.61	226.69	0.08	520858.11	813087.79	N 32 25 43.77	W 103 27 9.28
	4140.00	5.72	87.35	4127.25	17.88	19.91	236.49	0.46	520858.41	813097.58	N 32 25 43.78	W 103 27 9.16
	4234.00	5.53	85.51	4220.80	18.38	20.48	245.68	0.28	520858.98	813106.78	N 32 25 43.78	W 103 27 9.05
	4329.00	5.35	84.24	4315.37	19.10	21.28	254.65	0.23	520859.78	813115.75	N 32 25 43.79	W 103 27 8.95
	4424.00	5.39	82.54	4409.95	20.05	22.30	263.48	0.17	520860.80	813124.58	N 32 25 43.80	W 103 27 8.85
	4518.00	5.20	81.99	4503.55	21.14	23.47	272.08	0.21	520861.97	813133.18	N 32 25 43.81	W 103 27 8.75
	4613.00	5.96	90.11	4598.10	21.65	24.06	281.27	1.15	520862.56	813142.37	N 32 25 43.81	W 103 27 8.64
	4707.00	6.83	97.81	4691.52	20.80	23.29	291.69	1.30	520861.79	813152.79	N 32 25 43.80	W 103 27 8.52
	4802.00	6.37	96.59	4785.89	19.33	21.92	302.52	0.51	520860.42	813163.62	N 32 25 43.79	W 103 27 8.39
	4896.00	6.15	97.02	4879.33	18.03	20.71	312.70	0.24	520859.21	813173.80	N 32 25 43.78	W 103 27 8.27
	4991.00	5.91	94.75	4973.80	16.92	19.68	322.63	0.36	520858.18	813183.72	N 32 25 43.77	W 103 27 8.16
	5086.00	5.86	92.12	5068.30	16.25	19.09	332.35	0.29	520857.59	813193.44	N 32 25 43.76	W 103 27 8.04
	5180.00	5.69	92.32	5161.82	15.80	18.73	341.80	0.18	520857.23	813202.89	N 32 25 43.76	W 103 27 7.93
	5275.00	5.53	90.62	5256.37	15.49	18.49	351.08	0.24	520856.99	813212.18	N 32 25 43.75	W 103 27 7.82
	5370.00	5.32	89.26	5350.94	15.42	18.50	360.06	0.26	520857.00	813221.16	N 32 25 43.75	W 103 27 7.72
	5464.00	6.09	87.67	5444.48	15.59	18.75	369.40	0.84	520857.25	813230.50	N 32 25 43.75	W 103 27 7.61
	5559.00	6.20	87.26	5538.93	15.96	19.20	379.56	0.12	520857.70	813240.66	N 32 25 43.76	W 103 27 7.49
	5699.00	5.75	85.15	5678.17	16.79	20.16	394.10	0.36	520858.66	813255.20	N 32 25 43.77	W 103 27 7.32
	5794.00	5.59	84.69	5772.71	17.54	20.99	403.45	0.18	520859.49	813264.54	N 32 25 43.77	W 103 27 7.21
	5889.00	5.92	81.77	5867.23	18.59	22.12	412.90	0.46	520860.62	813274.00	N 32 25 43.78	W 103 27 7.10
	5983.00	5.95	78.63	5960.72	20.16	23.77	422.48	0.35	520862.27	813283.57	N 32 25 43.80	W 103 27 6.99
	6077.00	5.78	76.67	6054.23	22.13	25.83	431.86	0.28	520864.33	813292.96	N 32 25 43.82	W 103 27 6.88
	6172.00	5.80	73.67	6148.75	24.50	28.28	441.12	0.32	520866.78	813302.22	N 32 25 43.84	W 103 27 6.77
	6266.00	6.74	89.02	6242.19	25.85	29.71	451.20	2.04	520868.21	813312.29	N 32 25 43.85	W 103 27 6.66
	6361.00	7.39	98.40	6336.47	24.95	28.91	462.81	1.39	520867.41	813323.91	N 32 25 43.85	W 103 27 6.52
	6455.00	7.02	98.55	6429.73	23.11	27.17	474.48	0.39	520865.67	813335.57	N 32 25 43.83	W 103 27 6.38
	6549.00	6.76	98.44	6523.05	21.35	25.51	485.63	0.28	520864.01	813346.72	N 32 25 43.81	W 103 27 6.25
	6644.00	6.71	95.41	6617.40	19.92	24.16	496.68	0.38	520862.66	813357.78	N 32 25 43.80	W 103 27 6.13
	6738.00	6.55	95.13	6710.77	18.83	23.17	507.49	0.17	520861.67	813368.59	N 32 25 43.79	W 103 27 6.00
	6927.00	5.52	94.28	6898.72	17.01	21.52	527.29	0.55	520860.02	813388.39	N 32 25 43.77	W 103 27 5.77
	7022.00	5.07	91.87	6993.31	16.46	21.05	536.04	0.53	520859.55	813397.14	N 32 25 43.76	W 103 27 5.67

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 ° ' ")
	7400.00	6.34	90.18	7369.44	13.51	18.41	573.23	0.97	520856.91	813434.33	N 32 25 43.73 W 103 27 5.23	
	7494.00	5.88	87.53	7462.90	13.61	18.60	583.24	0.57	520857.10	813444.33	N 32 25 43.73 W 103 27 5.12	
	7588.00	5.30	85.08	7556.46	14.11	19.18	592.37	0.67	520857.68	813453.47	N 32 25 43.74 W 103 27 5.01	
	7683.00	4.69	80.70	7651.10	15.05	20.18	600.58	0.76	520858.68	813461.67	N 32 25 43.75 W 103 27 4.91	
	7777.00	6.06	87.40	7744.68	15.82	21.03	609.33	1.60	520859.53	813470.42	N 32 25 43.76 W 103 27 4.81	
	7872.00	5.52	85.95	7839.20	16.29	21.58	618.89	0.59	520860.08	813479.99	N 32 25 43.76 W 103 27 4.70	
	7966.00	5.34	83.22	7932.77	17.05	22.42	627.75	0.33	520860.92	813488.84	N 32 25 43.77 W 103 27 4.60	
	8155.00	4.73	81.07	8121.04	19.15	24.66	644.18	0.34	520863.16	813505.27	N 32 25 43.79 W 103 27 4.40	
	8249.00	4.04	77.17	8214.77	20.43	26.00	651.23	0.80	520864.50	813512.33	N 32 25 43.80 W 103 27 4.32	
	8344.00	4.64	69.11	8309.50	22.49	28.11	658.09	0.90	520866.61	813519.18	N 32 25 43.82 W 103 27 4.24	
	8439.00	6.99	60.94	8404.00	26.59	32.29	666.73	2.62	520870.79	813527.83	N 32 25 43.86 W 103 27 4.14	
	8533.00	8.20	76.41	8497.19	30.85	36.65	678.25	2.52	520875.15	813539.34	N 32 25 43.90 W 103 27 4.01	
	8628.00	7.58	84.51	8591.29	32.93	38.84	691.07	1.34	520877.34	813552.17	N 32 25 43.93 W 103 27 3.86	
	8723.00	6.47	82.49	8685.57	34.13	40.14	702.62	1.20	520878.64	813563.71	N 32 25 43.94 W 103 27 3.72	
	8817.00	5.51	90.89	8779.06	34.67	40.76	712.38	1.38	520879.26	813573.47	N 32 25 43.94 W 103 27 3.61	
	8911.00	4.01	84.82	8872.74	34.83	40.99	720.17	1.68	520879.49	813581.26	N 32 25 43.94 W 103 27 3.52	
	9006.00	5.20	94.00	8967.43	34.76	40.99	727.77	1.47	520879.49	813588.86	N 32 25 43.94 W 103 27 3.43	
	9100.00	5.75	90.41	9061.00	34.35	40.66	736.73	0.69	520879.15	813597.82	N 32 25 43.94 W 103 27 3.32	
	9195.00	4.52	99.16	9155.62	33.65	40.03	745.18	1.53	520878.52	813606.27	N 32 25 43.93 W 103 27 3.22	
	9289.00	4.57	104.87	9249.32	32.04	38.47	752.46	0.48	520876.97	813613.55	N 32 25 43.92 W 103 27 3.14	
	9384.00	4.74	115.16	9344.01	29.34	35.83	759.67	0.90	520874.33	813620.76	N 32 25 43.89 W 103 27 3.06	
	9479.00	4.37	117.27	9438.71	25.95	32.51	766.44	0.43	520871.01	813627.53	N 32 25 43.86 W 103 27 2.98	
	9573.00	3.83	120.50	9532.47	22.67	29.27	772.33	0.62	520867.77	813633.42	N 32 25 43.82 W 103 27 2.91	
	9592.00	3.51	121.86	9551.43	22.03	28.64	773.37	1.75	520867.14	813634.46	N 32 25 43.82 W 103 27 2.90	
	9690.00	7.23	94.12	9649.00	19.93	26.62	782.07	4.52	520865.12	813643.16	N 32 25 43.80 W 103 27 2.80	
	9737.00	12.41	78.87	9695.30	20.62	27.38	789.98	12.24	520865.88	813651.08	N 32 25 43.80 W 103 27 2.70	
	9785.00	15.29	65.21	9741.91	24.18	31.03	800.79	9.04	520869.53	813661.89	N 32 25 43.84 W 103 27 2.58	
	9832.00	16.48	46.82	9787.15	31.27	38.21	811.27	11.07	520876.71	813672.37	N 32 25 43.91 W 103 27 2.45	
	9879.00	16.97	31.19	9832.18	41.65	48.66	819.67	9.48	520887.16	813680.77	N 32 25 44.01 W 103 27 2.36	
	9974.00	23.79	4.44	9921.37	72.64	79.73	828.37	11.98	520918.23	813689.46	N 32 25 44.32 W 103 27 2.25	
	10016.00	28.65	359.51	9959.04	91.16	98.26	828.94	12.67	520936.76	813690.03	N 32 25 44.50 W 103 27 2.24	
	10068.00	35.30	356.98	10003.13	118.67	125.76	828.04	13.04	520964.26	813699.13	N 32 25 44.77 W 103 27 2.25	
	10115.00	41.23	356.82	10040.02	147.74	154.81	826.46	12.62	520993.31	813687.55	N 32 25 45.06 W 103 27 2.27	
	10163.00	45.01	356.41	10075.05	180.50	187.55	824.52	7.90	521026.05	813685.61	N 32 25 45.39 W 103 27 2.29	
	10210.00	49.17	357.30	10107.04	214.88	221.92	822.64	8.96	521060.42	813683.73	N 32 25 45.73 W 103 27 2.30	
	10257.00	53.33	358.80	10136.45	251.51	258.54	821.41	9.19	521097.04	813682.50	N 32 25 46.09 W 103 27 2.31	
	10304.00	57.22	0.22	10163.22	290.13	297.16	821.09	8.64	521135.66	813682.18	N 32 25 46.47 W 103 27 2.31	
	10352.00	62.55	0.96	10187.30	331.63	338.67	821.52	11.18	521177.16	813682.62	N 32 25 46.88 W 103 27 2.31	
	10399.00	67.08	0.16	10207.29	374.14	381.18	821.93	9.76	521219.68	813683.03	N 32 25 47.30 W 103 27 2.30	
	10443.00	70.10	359.55	10223.35	415.10	422.14	821.83	6.98	521260.84	813682.92	N 32 25 47.71 W 103 27 2.29	
	10490.00	72.88	359.87	10238.27	459.66	466.71	821.60	5.95	521305.20	813682.70	N 32 25 48.15 W 103 27 2.29	
	10538.00	76.88	359.53	10250.79	505.99	513.03	821.36	8.36	521351.53	813682.45	N 32 25 48.61 W 103 27 2.29	
	10585.00	80.66	0.16	10259.94	552.08	559.13	821.24	8.15	521397.62	813682.33	N 32 25 49.06 W 103 27 2.29	
	10633.00	83.66	0.55	10266.49	599.62	606.67	821.53	6.30	521445.17	813682.62	N 32 25 49.53 W 103 27 2.28	
	10680.00	86.63	0.07	10270.46	646.44	653.50	821.78	6.40	521491.99	813682.88	N 32 25 50.00 W 103 27 2.27	
	10727.00	89.27	0.23	10272.15	693.41	700.46	821.91	5.63	521538.96	813683.00	N 32 25 50.46 W 103 27 2.27	
	10822.00	90.90	359.99	10272.01	788.40	795.46	822.09	1.73	521633.95	813683.18	N 32 25 51.40 W 103 27 2.25	
	10885.00	90.50	359.27	10271.24	851.39	858.45	821.68	1.31	521696.94	813682.78	N 32 25 52.02 W 103 27 2.25	
	10918.00	90.49	358.76	10270.95	884.39	891.44	821.12	1.55	521729.94	813682.21	N 32 25 52.35 W 103 27 2.26	
	11013.00	89.05	357.77	10271.33	979.36	986.40	818.24	1.84	521824.89	813679.33	N 32 25 53.29 W 103 27 2.28	
	11108.00	89.17	357.37	10272.81	1074.30	1081.30	814.21	0.44	521919.79	813675.30	N 32 25 54.23 W 103 27 2.32	
	11202.00	88.63	356.59	10274.61	1168.19	1175.15	809.26	1.01	522013.64	813670.35	N 32 25 55.16 W 103 27 2.37	
	11296.00	88.42	355.74	10277.03	1262.00	1268.91	802.98	0.93	522107.40	813664.07	N 32 25 56.09 W 103 27 2.43	
	11391.00	88.48	356.77	10279.60	1356.81	1363.67	796.77	1.09	522202.16	813657.87	N 32 25 57.03 W 103 27 2.50	
	11486.00	88.57	357.93	10282.05	1451.71	1458.53	792.38	1.22	522297.02	813653.48	N 32 25 57.96 W 103 27 2.54	
	11580.00	89.89	359.62	10283.31	1545.68	1552.50	790.37	2.28	522390.99	813651.47	N 32 25 58.89 W 103 27 2.55	
	11674.00	89.74	0.71	10283.61	1639.68	1646.50	790.64	1.17	522484.98	813651.74	N 32 25 59.82 W 103 27 2.54	
	11769.00	91.15	0.80	10282.88	1734.65	1741.48	791.90	1.49	522579.97	813652.99	N 32 26 0.76 W 103 27 2.52	
	11788.00	91.51	0.74	10282.43	1753.64	1760.48	792.15	1.92	522598.96	813653.24	N 32 26 0.95 W 103 27 2.51	
	11883.00	91.96	0.10	10279.56	1848.58	1855.43	792.85	0.82	522693.91	813653.94	N 32 26 1.89 W 103 27 2.49	
	11977.00	92.07	0.04	10276.25	1942.52	1949.37	792.96	0.13	522787.86	813654.05	N 32 26 2.82 W 103 27 2.48	
	12072.00	92.24	0.13	10272.68	2037.45	2044.30	793.10	0.20	522882.79	813654.20	N 32 26 3.76 W 103 27 2.47	
	12166.00	90.45	359.30	10270.47	2131.42	2138.27	792.63	2.10	522976.75	813653.73	N 32 26 4.69 W 103 27 2.47	
	12260.00	90.11	358.83	10270.02	2225.41	2232.26	791.10	0.62	523070.74	813652.19	N 32 26 5.62 W 103 27 2.48	
	12355.00	87.81	357.54	10271.74	2320.36	2327.19	788.09	2.78	523165.67	813649.19	N 32 26 6.56 W 103 27 2.50	
	12449.00	87.48	357.20	10275.60	2414.22	2421.01	783.78	0.50	523259.49	813644.88	N 32 26 7.49 W 103 27 2.55	
	12543.00	87.42	357.65	10279.78	2508.06	2514.82	779.56	0.48	523353.30	813640.66	N 32 26 8.42 W 103 27 2.59	
	12638.00	87.42	359.02	10284.06	2602.94	2609.68	776.81	1.44	523448.16	813637.90	N 32 26 9.36 W 103 27 2.61	
	12732.00	87.42	359.83	10288.29	2696.85	2703.58	775.86	0.86	523542.06	813636.96	N 32 26 10.28 W 103 27 2.61	
	12827.00	86.92	0.17	10292.98	2791.73	2798.46	775.86	0.64	523636.94	813636.96	N 32 26 11.22 W 103 27 2.60	
	12921.00	87.03	0.62	10297.94	2885.58	2892.33	776.51	0.49	523730.81	813637.61	N 32 26 12.15 W 103 27 2.58	
	13015.00	86.93	1.03	10302.81	2979.43	2986.19	777.86	0.44	523824.67	813638.96	N 32 26 13.08 W 103 27 2.56	
	13110.00	87.07	1.14	10307.79	3074.27	3081.05	779.66	0.13	523919.52	813640.75	N 32 26 14.02 W 103 27 2.53	
	13204.00	87.03	1.50	10312.71	3168.09	3174.89	781.82	0.39	524013.37	813642.92	N 32 26 14.95 W 103 27 2.50	
	13299.00	86.92	1.91	10317.72	3262.69	3269.72	784.64	0.45	524106.19	813645.74	N 32 26 15.89 W 103 27 2.45	
	13393.00	87.09	2.53	10322.63	3356.66	3363.52	786.28	0.68	524201.99	813648.37	N 32 26 16.81 W 103 27 2.40	
	13488.00	85.96	1.97	10328.39	3451.37	3458.27	792.00	1.33	524296.74	813653.10	N 32 26 17.75 W 103 27 2.35	
	13582.00	86.19	2.09	10334.82								

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 ° ' ")
		1	0.000	31.000	1/98.425	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only			Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East 34 State 2BS 9H MWD Surveys Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East 34 State 2BS 9H MWD Surveys Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East	
		1	31.000	31.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only				
		1	31.000	506.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG				
		1	506.000	1775.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG				
		1	1775.000	9643.000	Act Stns	8.750	0.000	NAL_MWD_1.0_DEG				
		1	9643.000	15020.000	Act Stns	8.500	0.000	NAL_MWD_1.0_DEG				