

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Rec'd 06/10/2020 - NMOCD

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET, SUITE 1200, UNIT 20 FORT WORTH, TX 76102		² OGRID Number 372137	
		³ Reason for Filing Code/ Effective Date RT-06/08/2020	
⁴ API Number 30 - 0 25-46537	⁵ Pool Name GRAMA RIDGE; BONE SPRING, NE		⁶ Pool Code 28435
⁷ Property Code	⁸ Property Name GRAMA RIDGE EAST 34 STATE COM 2BS		⁹ Well Number 9H

II. ¹⁰ Surface Location

UL or lot no. P	Section 34	Township 21S	Range 34E	Lot Idn	Feet from the 226	North/South Line SOUTH	Feet from the 1273	East/West line EAST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. A	Section 4	Township 21S	Range 34E	Lot Idn	Feet from the 80	North/South line NORTH	Feet from the 465	East/West line EAST	County LEA
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372603	3BEAR FIELD SERVICES, LLC	O/G

IV. Well Completion Data

²¹ Spud Date 03/02/2020	²² Ready Date 06/08/2020	²³ TD 15020'MD/10294'TVD	²⁴ PBTD 14968'MD/10295'TVD	²⁵ Perforations 14940'-10560'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5"		13.375"	1770'		1416
12.25"		9.625"	5587'		1640
8.75"		5.5"	14973'		1509

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature:			OIL CONSERVATION DIVISION		
Printed name: JENNIFER ELROD			Approved by: <i>Patricia Martinez</i>		
Title: SR. REGULATORY ANALYST			Title: <i>LM II</i>		
E-mail Address: JELROD@CHISHOLMENERGY.COM			Approval Date: <i>6/23/2020</i>		
Date: 06/10/2020		Phone: 817-953-3728			

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

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

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

¹⁰ 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

¹¹ 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

¹² Dedicated Acres 160	¹³ Joint or Infill INFILL	¹⁴ Consolidation Code	¹⁵ 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.

	¹⁷ 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>Jennifer Elrod</i> 06/10/2020 Signature Date JENNIFER ELROD Printed Name JELROD@CHISHOLMENERGY.COM E-mail Address ¹⁸ 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 of Survey Signature and Seal of Professional Surveyor: Certificate Number
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Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

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 43.56	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 43.55	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				

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	12.54	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	46.62	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	521260.64	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	87.03	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	86.97	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	3262.89	3269.72	784.64	0.45	524108.19	813645.74	N 32 26 15.89 W 103 27 2.45	
	13393.00	87.09	2.53	10322.63	3356.66	3363.52	788.28	0.68	524201.99	813649.37	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		
		1	31.000	31.000	Act Stns	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		
		1	31.000	506.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG		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		
		1	506.000	1775.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG		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		
		1	1775.000	9643.000	Act Stns	8.750	0.000	NAL_MWD_1.0_DEG		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		
		1	9643.000	15020.000	Act Stns	8.500	0.000	NAL_MWD_1.0_DEG		Grama Ridge East 34 State 2BS 9H / Chisholm Grama Ridge East		