

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate
District Office

☒ AS-DRILLED
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35669	² Pool Code 98175	³ Pool Name BETONNIE TSOSIE WASH UNIT MANCOS OIL POOL
⁴ Property Code 325179	⁵ Property Name BETONNIE TSOSIE WASH UNIT	⁶ Well Number 720H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6880.0'

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
A	3	22N	8W	1	1308'	NORTH	17'	EAST	SAN JUAN

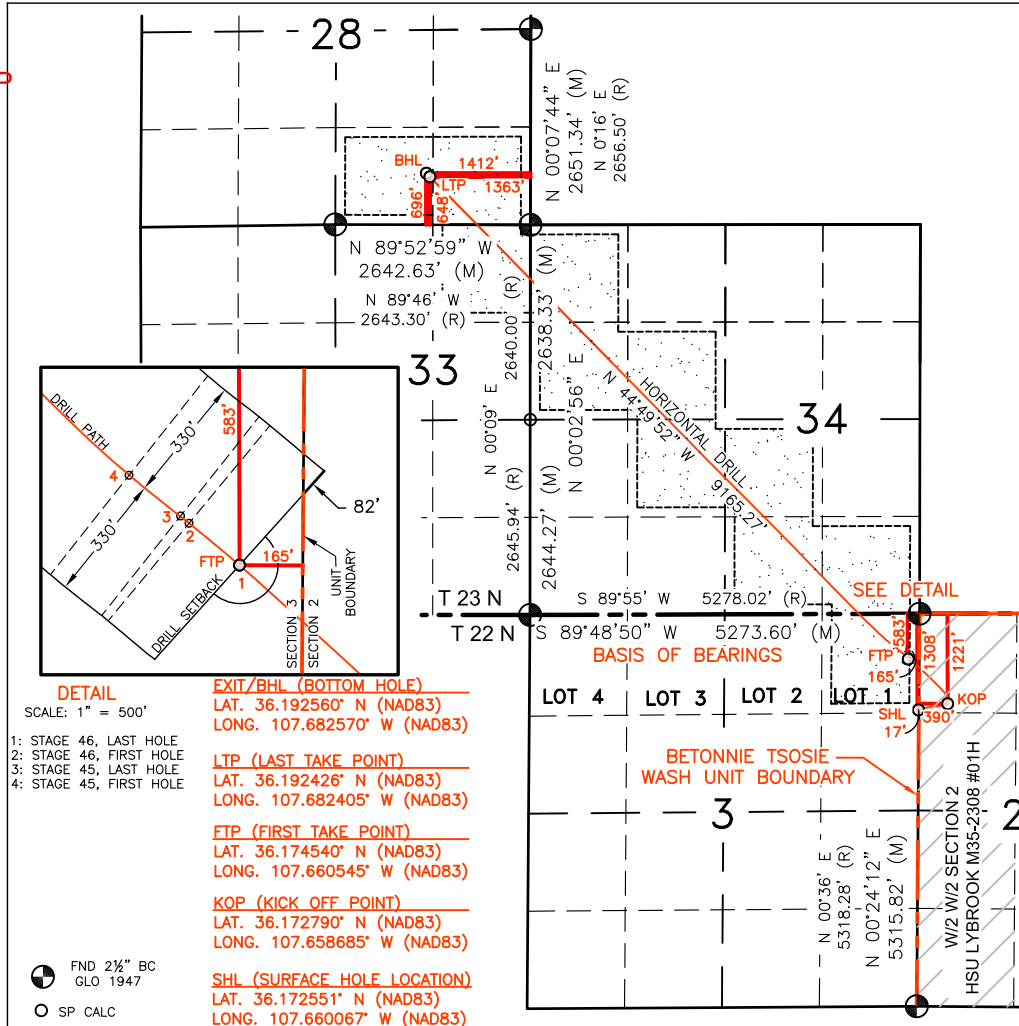
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	28	23N	8W		696'	SOUTH	1412'	EAST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT; SEC 3: LOT 1 (40.53 AC.); SEC 34: SE/SE, SW/SE, NW/SE, NE/SW, SE/NW, SW/NW & NW/NW (280 AC.); SEC 33: NE/NE, NE/4 (40 AC.); SEC. 28: SW/SE & SE/SE (80 AC.) = 440.53 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13930, R-13930A
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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

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¹⁷ OPERATOR CERTIFICATION

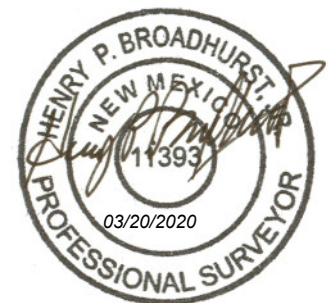
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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.

Shaw-Marie Ford 04/14/20
Signature Date
Shaw-Marie Ford
Printed Name
sford@djrlc.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.
MARCH 19, 2020

Date of Survey
Signature and Seal of Professional Surveyor:



11393

OCD Received
4/14/2020



Directional Survey Certification

2948 I-70 Business Loop
Grand Junction, CO 81504
(970)-245-9447 Fax (970)-245-9454

Operator	DJR Operating
Well Name & No.	Betonnies Tsosie A03 2308 720H
County & State	San Juan, NM
SDI Job No.	OP.022715 & OP.022922
Rig	Aztec 920

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 502 feet to a measured depth of 14,632 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

30-Dec-19

Date

Janie Collins

Colorado District Well Planner
Scientific Drilling International

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
Project:	Betonnies Tsoie Unit	TVD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Site:	A03 2308 Pad	MD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Project	Betonnies Tsoie Unit		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	A03 2308 Pad		
Site Position:		Northing:	1,882,120.91 usft
From:	Lat/Long	Easting:	2,774,230.16 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.1724680
		Longitude:	-107.6600660
		Grid Convergence:	0.10 °

Well	# 720H		
Well Position	+N/-S	0.00 usft	Northing: 1,882,151.13 usft
	+E/-W	0.00 usft	Easting: 2,774,229.81 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.1725510
		Longitude:	-107.6600670
		Ground Level:	6,880.00 usft

Wellbore	Original drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/11/2019	8.77	62.72	49,319.30000000

Design	Original drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	317.468	

Survey Program	Date	12/30/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
502.00	4,102.00	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4,165.00	5,174.00	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5,251.00	14,632.00	Survey #3 - Lateral MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
502.00	1.36	81.310	501.95	0.90	5.89	-3.32	0.27	0.27	0.00	
563.00	4.02	71.780	562.88	1.68	8.64	-4.60	4.41	4.36	-15.62	
623.00	4.94	69.960	622.70	3.22	13.06	-6.46	1.55	1.53	-3.03	
684.00	5.24	69.260	683.46	5.11	18.13	-8.49	0.50	0.49	-1.15	
745.00	5.52	69.980	744.19	7.10	23.50	-10.65	0.47	0.46	1.18	
806.00	5.50	70.700	804.91	9.07	29.01	-12.93	0.12	-0.03	1.18	
868.00	5.66	71.730	866.61	11.01	34.72	-15.36	0.30	0.26	1.66	
929.00	5.72	74.330	927.31	12.77	40.50	-17.97	0.43	0.10	4.26	

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Site:	A03 2308 Pad	MD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
990.00	5.94	74.460	988.00	14.44	46.47	-20.77	0.36	0.36	0.21	
1,051.00	6.22	75.570	1,048.65	16.11	52.71	-23.76	0.50	0.46	1.82	
1,112.00	5.69	76.050	1,109.32	17.66	58.85	-26.76	0.87	-0.87	0.79	
1,173.00	6.84	73.050	1,169.96	19.45	65.26	-29.78	1.96	1.89	-4.92	
1,234.00	7.43	71.360	1,230.49	21.77	72.47	-32.95	1.03	0.97	-2.77	
1,294.00	7.72	72.030	1,289.96	24.25	79.98	-36.19	0.51	0.48	1.12	
1,356.00	7.64	72.380	1,351.41	26.79	87.87	-39.66	0.15	-0.13	0.56	
1,418.00	7.60	71.310	1,412.86	29.35	95.68	-43.05	0.24	-0.06	-1.73	
1,479.00	7.61	78.320	1,473.32	31.46	103.45	-46.75	1.52	0.02	11.49	
1,540.00	7.81	82.000	1,533.77	32.85	111.51	-51.18	0.87	0.33	6.03	
1,601.00	7.70	80.890	1,594.21	34.08	119.65	-55.78	0.30	-0.18	-1.82	
1,663.00	7.29	79.660	1,655.68	35.44	127.62	-60.16	0.71	-0.66	-1.98	
1,724.00	7.51	79.310	1,716.18	36.87	135.35	-64.32	0.37	0.36	-0.57	
1,785.00	7.70	76.560	1,776.64	38.56	143.24	-68.41	0.67	0.31	-4.51	
1,845.00	7.71	75.540	1,836.10	40.50	151.05	-72.26	0.23	0.02	-1.70	
1,908.00	7.45	72.070	1,898.55	42.81	159.03	-75.95	0.84	-0.41	-5.51	
1,971.00	7.54	77.610	1,961.01	44.96	166.95	-79.73	1.16	0.14	8.79	
2,034.00	7.82	80.420	2,023.45	46.56	175.21	-84.13	0.74	0.44	4.46	
2,097.00	7.51	84.480	2,085.88	47.67	183.54	-88.94	0.99	-0.49	6.44	
2,160.00	7.00	94.030	2,148.38	47.79	191.46	-94.21	2.08	-0.81	15.16	
2,223.00	7.10	95.650	2,210.90	47.14	199.17	-99.90	0.35	0.16	2.57	
2,287.00	6.87	89.260	2,274.43	46.80	206.93	-105.40	1.27	-0.36	-9.98	
2,350.00	6.62	85.700	2,336.99	47.12	214.32	-110.16	0.77	-0.40	-5.65	
2,413.00	7.13	86.540	2,399.54	47.63	221.84	-114.87	0.83	0.81	1.33	
2,476.00	7.39	87.590	2,462.04	48.04	229.80	-119.94	0.46	0.41	1.67	
2,539.00	7.58	87.920	2,524.50	48.36	238.00	-125.25	0.31	0.30	0.52	
2,602.00	7.10	84.420	2,586.98	48.89	246.02	-130.29	1.04	-0.76	-5.56	
2,665.00	6.78	83.790	2,649.52	49.67	253.60	-134.83	0.52	-0.51	-1.00	
2,728.00	6.54	83.710	2,712.10	50.46	260.86	-139.15	0.38	-0.38	-0.13	
2,791.00	6.58	80.470	2,774.68	51.45	267.98	-143.24	0.59	0.06	-5.14	
2,854.00	6.32	78.950	2,837.29	52.72	274.95	-147.02	0.49	-0.41	-2.41	
2,917.00	6.31	78.420	2,899.90	54.08	281.74	-150.61	0.09	-0.02	-0.84	
2,980.00	6.18	78.470	2,962.53	55.45	288.46	-154.14	0.21	-0.21	0.08	
3,043.00	6.22	77.250	3,025.16	56.88	295.11	-157.58	0.22	0.06	-1.94	
3,106.00	6.33	77.630	3,087.78	58.38	301.83	-161.02	0.19	0.17	0.60	
3,170.00	6.46	77.810	3,151.38	59.89	308.79	-164.61	0.21	0.20	0.28	
3,233.00	6.34	76.380	3,213.99	61.46	315.64	-168.08	0.32	-0.19	-2.27	
3,296.00	5.86	78.550	3,276.64	62.92	322.17	-171.42	0.85	-0.76	3.44	
3,359.00	6.05	77.740	3,339.30	64.26	328.57	-174.76	0.33	0.30	-1.29	
3,408.00	6.19	77.380	3,388.02	65.39	333.67	-177.38	0.30	0.29	-0.73	
3,471.00	6.05	76.400	3,450.66	66.91	340.21	-180.68	0.28	-0.22	-1.56	
3,534.00	5.43	74.240	3,513.34	68.50	346.31	-183.63	1.04	-0.98	-3.43	
3,597.00	5.29	72.970	3,576.07	70.16	351.95	-186.22	0.29	-0.22	-2.02	

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
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Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,660.00	5.24	71.450	3,638.80	71.93	357.46	-188.64	0.24	-0.08	-2.41
3,723.00	5.62	71.970	3,701.52	73.80	363.12	-191.09	0.61	0.60	0.83
3,786.00	6.06	76.930	3,764.19	75.50	369.29	-194.00	1.06	0.70	7.87
3,850.00	6.16	79.490	3,827.83	76.89	375.96	-197.48	0.45	0.16	4.00
3,913.00	6.50	76.700	3,890.44	78.33	382.75	-201.02	0.73	0.54	-4.43
3,976.00	6.55	74.800	3,953.03	80.09	389.69	-204.41	0.35	0.08	-3.02
4,039.00	6.00	73.110	4,015.66	81.99	396.31	-207.48	0.92	-0.87	-2.68
4,102.00	5.59	72.010	4,078.33	83.90	402.38	-210.18	0.67	-0.65	-1.75
4,165.00	7.13	41.560	4,140.96	87.77	407.89	-211.06	5.79	2.44	-48.33
4,228.00	11.97	21.430	4,203.09	96.78	412.87	-207.78	9.22	7.68	-31.95
4,291.00	16.57	9.070	4,264.14	111.75	416.68	-199.33	8.72	7.30	-19.62
4,354.00	20.03	352.570	4,323.99	131.34	416.70	-184.91	9.84	5.49	-26.19
4,417.00	24.38	340.150	4,382.33	154.29	410.89	-164.06	10.12	6.90	-19.71
4,480.00	30.45	336.600	4,438.23	181.20	400.12	-136.96	9.97	9.63	-5.63
4,543.00	35.03	329.300	4,491.23	211.42	384.53	-104.15	9.59	7.27	-11.59
4,606.00	40.29	321.630	4,541.12	242.98	362.63	-66.09	11.17	8.35	-12.17
4,669.00	43.06	317.560	4,588.18	274.84	335.46	-24.25	6.15	4.40	-6.46
4,732.00	48.60	317.030	4,632.06	308.02	304.82	20.92	8.81	8.79	-0.84
4,796.00	53.55	316.530	4,672.26	344.29	270.73	70.69	7.76	7.73	-0.78
4,859.00	58.97	312.870	4,707.24	381.08	233.48	122.98	9.86	8.60	-5.81
4,922.00	63.45	312.570	4,737.58	418.52	192.92	177.99	7.12	7.11	-0.48
4,985.00	66.75	313.500	4,764.10	457.52	151.16	234.96	5.41	5.24	1.48
5,048.00	69.76	313.050	4,787.44	497.63	108.56	293.31	4.82	4.78	-0.71
5,111.00	74.55	311.870	4,806.74	538.09	64.33	353.03	7.81	7.60	-1.87
5,174.00	78.99	311.310	4,821.15	578.79	18.47	414.02	7.10	7.05	-0.89
5,251.00	84.62	314.330	4,832.13	630.57	-37.39	489.95	8.28	7.31	3.92
5,313.00	85.40	311.580	4,837.52	672.66	-82.59	551.51	4.59	1.26	-4.44
5,375.00	88.53	310.090	4,840.80	713.13	-129.43	613.00	5.59	5.05	-2.40
5,438.00	90.34	310.080	4,841.42	753.70	-177.63	675.47	2.87	2.87	-0.02
5,500.00	89.90	309.420	4,841.29	793.34	-225.29	736.91	1.28	-0.71	-1.06
5,563.00	90.17	309.340	4,841.26	833.31	-273.99	799.29	0.45	0.43	-0.13
5,626.00	89.63	308.450	4,841.37	872.87	-323.02	861.58	1.65	-0.86	-1.41
5,688.00	88.96	307.390	4,842.13	910.97	-371.93	922.72	2.02	-1.08	-1.71
5,751.00	89.30	310.420	4,843.09	950.52	-420.94	985.00	4.84	0.54	4.81
5,814.00	89.16	310.930	4,843.93	991.58	-468.72	1,047.55	0.84	-0.22	0.81
5,877.00	88.62	312.400	4,845.15	1,033.45	-515.77	1,110.21	2.49	-0.86	2.33
5,939.00	89.66	313.130	4,846.08	1,075.55	-561.28	1,172.00	2.05	1.68	1.18
6,002.00	90.94	314.260	4,845.75	1,119.07	-606.83	1,234.86	2.71	2.03	1.79
6,066.00	90.24	315.160	4,845.09	1,164.09	-652.31	1,298.78	1.78	-1.09	1.41
6,129.00	89.70	315.020	4,845.13	1,208.70	-696.79	1,361.72	0.89	-0.86	-0.22
6,192.00	89.03	314.050	4,845.83	1,252.89	-741.69	1,424.64	1.87	-1.06	-1.54
6,255.00	88.52	313.750	4,847.17	1,296.56	-787.08	1,487.50	0.94	-0.81	-0.48
6,318.00	89.13	314.870	4,848.46	1,340.56	-832.15	1,550.39	2.02	0.97	1.78

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Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,380.00	89.80	317.230	4,849.04	1,385.19	-875.17	1,612.36	3.96	1.08	3.81	
6,443.00	89.50	317.380	4,849.43	1,431.49	-917.89	1,675.36	0.53	-0.48	0.24	
6,506.00	88.89	316.850	4,850.31	1,477.65	-960.76	1,738.35	1.28	-0.97	-0.84	
6,569.00	88.46	316.170	4,851.77	1,523.34	-1,004.11	1,801.33	1.28	-0.68	-1.08	
6,632.00	90.27	317.190	4,852.47	1,569.17	-1,047.32	1,864.31	3.30	2.87	1.62	
6,695.00	90.37	316.750	4,852.12	1,615.22	-1,090.31	1,927.31	0.72	0.16	-0.70	
6,758.00	89.40	315.670	4,852.24	1,660.70	-1,133.91	1,990.29	2.30	-1.54	-1.71	
6,821.00	87.45	313.200	4,853.97	1,704.79	-1,178.87	2,053.17	4.99	-3.10	-3.92	
6,884.00	87.15	312.780	4,856.94	1,747.70	-1,224.90	2,115.91	0.82	-0.48	-0.67	
6,946.00	88.66	313.360	4,859.21	1,790.00	-1,270.16	2,177.69	2.61	2.44	0.94	
7,009.00	89.03	314.050	4,860.48	1,833.53	-1,315.70	2,240.54	1.24	0.59	1.10	
7,072.00	88.09	314.990	4,862.06	1,877.68	-1,360.60	2,303.43	2.11	-1.49	1.49	
7,135.00	91.34	318.980	4,862.38	1,923.73	-1,403.56	2,366.41	8.17	5.16	6.33	
7,198.00	91.38	318.530	4,860.88	1,971.09	-1,445.08	2,429.37	0.72	0.06	-0.71	
7,261.00	91.07	318.530	4,859.53	2,018.28	-1,486.80	2,492.35	0.49	-0.49	0.00	
7,323.00	91.04	318.180	4,858.39	2,064.61	-1,527.99	2,554.33	0.57	-0.05	-0.56	
7,387.00	91.00	317.770	4,857.25	2,112.14	-1,570.83	2,618.32	0.64	-0.06	-0.64	
7,449.00	90.60	316.760	4,856.39	2,157.67	-1,612.90	2,680.31	1.75	-0.65	-1.63	
7,512.00	90.34	316.100	4,855.87	2,203.32	-1,656.32	2,743.30	1.13	-0.41	-1.05	
7,574.00	90.17	315.690	4,855.59	2,247.84	-1,699.47	2,805.27	0.72	-0.27	-0.66	
7,637.00	90.20	315.900	4,855.39	2,293.00	-1,743.39	2,868.25	0.34	0.05	0.33	
7,699.00	90.33	314.460	4,855.10	2,336.98	-1,787.09	2,930.19	2.33	0.21	-2.32	
7,762.00	89.00	314.390	4,855.47	2,381.07	-1,832.08	2,993.10	2.11	-2.11	-0.11	
7,825.00	89.16	314.370	4,856.48	2,425.13	-1,877.10	3,056.00	0.26	0.25	-0.03	
7,888.00	89.43	314.410	4,857.26	2,469.20	-1,922.12	3,118.91	0.43	0.43	0.06	
7,950.00	89.70	314.630	4,857.73	2,512.67	-1,966.33	3,180.82	0.56	0.44	0.35	
8,013.00	89.83	314.360	4,857.99	2,556.82	-2,011.26	3,243.74	0.48	0.21	-0.43	
8,076.00	89.46	313.790	4,858.38	2,600.64	-2,056.52	3,306.63	1.08	-0.59	-0.90	
8,138.00	89.30	312.840	4,859.05	2,643.17	-2,101.63	3,368.46	1.55	-0.26	-1.53	
8,200.00	88.93	314.070	4,860.01	2,685.81	-2,146.63	3,430.30	2.07	-0.60	1.98	
8,263.00	89.23	315.420	4,861.02	2,730.15	-2,191.37	3,493.22	2.19	0.48	2.14	
8,326.00	88.72	314.680	4,862.15	2,774.73	-2,235.87	3,556.15	1.43	-0.81	-1.17	
8,388.00	89.09	314.700	4,863.33	2,818.32	-2,279.94	3,618.07	0.60	0.60	0.03	
8,451.00	89.26	314.450	4,864.24	2,862.54	-2,324.81	3,680.98	0.48	0.27	-0.40	
8,514.00	89.13	313.940	4,865.12	2,906.45	-2,369.98	3,743.87	0.84	-0.21	-0.81	
8,576.00	89.40	316.050	4,865.92	2,950.28	-2,413.82	3,805.80	3.43	0.44	3.40	
8,639.00	90.03	316.260	4,866.23	2,995.72	-2,457.46	3,868.79	1.05	1.00	0.33	
8,702.00	89.77	315.710	4,866.34	3,041.02	-2,501.23	3,931.77	0.97	-0.41	-0.87	
8,765.00	89.10	314.660	4,866.96	3,085.71	-2,545.63	3,994.71	1.98	-1.06	-1.67	
8,828.00	88.96	314.560	4,868.03	3,129.95	-2,590.47	4,057.62	0.27	-0.22	-0.16	
8,891.00	89.09	314.190	4,869.10	3,174.00	-2,635.50	4,120.52	0.62	0.21	-0.59	
8,954.00	88.96	314.100	4,870.17	3,217.87	-2,680.70	4,183.41	0.25	-0.21	-0.14	
9,016.00	89.63	315.960	4,870.94	3,261.73	-2,724.51	4,245.34	3.19	1.08	3.00	
9,079.00	89.66	315.900	4,871.33	3,306.99	-2,768.33	4,308.32	0.11	0.05	-0.10	

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Site:	A03 2308 Pad	MD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,142.00	89.60	315.860	4,871.73	3,352.22	-2,812.19	4,371.29	0.11	-0.10	-0.06
9,205.00	89.33	315.770	4,872.32	3,397.39	-2,856.10	4,434.27	0.45	-0.43	-0.14
9,268.00	89.26	315.320	4,873.10	3,442.36	-2,900.21	4,497.23	0.72	-0.11	-0.71
9,332.00	89.50	315.300	4,873.79	3,487.86	-2,945.22	4,561.18	0.38	0.38	-0.03
9,395.00	89.60	314.980	4,874.28	3,532.51	-2,989.66	4,624.12	0.53	0.16	-0.51
9,458.00	89.40	314.450	4,874.83	3,576.84	-3,034.42	4,687.05	0.90	-0.32	-0.84
9,521.00	89.43	314.260	4,875.48	3,620.88	-3,079.47	4,749.95	0.31	0.05	-0.30
9,584.00	88.63	316.150	4,876.54	3,665.57	-3,123.85	4,812.89	3.26	-1.27	3.00
9,647.00	88.62	316.800	4,878.06	3,711.24	-3,167.22	4,875.86	1.03	-0.02	1.03
9,710.00	89.06	316.750	4,879.33	3,757.14	-3,210.36	4,938.84	0.70	0.70	-0.08
9,770.00	89.09	316.510	4,880.30	3,800.75	-3,251.56	4,998.83	0.40	0.05	-0.40
9,831.00	89.19	316.780	4,881.21	3,845.10	-3,293.43	5,059.82	0.47	0.16	0.44
9,892.00	89.29	316.580	4,882.02	3,889.47	-3,335.28	5,120.80	0.37	0.16	-0.33
9,953.00	89.50	316.630	4,882.67	3,933.79	-3,377.18	5,181.79	0.35	0.34	0.08
10,014.00	89.83	316.850	4,883.02	3,978.22	-3,418.98	5,242.79	0.65	0.54	0.36
10,074.00	90.17	316.290	4,883.02	4,021.79	-3,460.23	5,302.78	1.09	0.57	-0.93
10,134.00	90.34	316.280	4,882.76	4,065.16	-3,501.70	5,362.77	0.28	0.28	-0.02
10,194.00	90.34	316.020	4,882.40	4,108.43	-3,543.26	5,422.75	0.43	0.00	-0.43
10,255.00	90.17	315.710	4,882.13	4,152.20	-3,585.74	5,483.73	0.58	-0.28	-0.51
10,316.00	90.27	315.460	4,881.90	4,195.78	-3,628.43	5,544.69	0.44	0.16	-0.41
10,377.00	89.33	315.100	4,882.11	4,239.12	-3,671.35	5,605.65	1.65	-1.54	-0.59
10,438.00	89.30	315.000	4,882.84	4,282.29	-3,714.44	5,666.59	0.17	-0.05	-0.16
10,498.00	90.34	315.260	4,883.03	4,324.81	-3,756.77	5,726.54	1.79	1.73	0.43
10,558.00	91.07	315.440	4,882.29	4,367.49	-3,798.94	5,786.49	1.25	1.22	0.30
10,619.00	90.47	315.750	4,881.47	4,411.06	-3,841.61	5,847.45	1.11	-0.98	0.51
10,680.00	90.50	316.150	4,880.95	4,454.91	-3,884.03	5,908.43	0.66	0.05	0.66
10,742.00	89.87	315.860	4,880.75	4,499.51	-3,927.09	5,970.41	1.12	-1.02	-0.47
10,803.00	89.60	315.300	4,881.03	4,543.08	-3,969.78	6,031.37	1.02	-0.44	-0.92
10,864.00	89.60	314.920	4,881.46	4,586.29	-4,012.83	6,092.32	0.62	0.00	-0.62
10,924.00	90.17	314.610	4,881.58	4,628.54	-4,055.43	6,152.25	1.08	0.95	-0.52
10,985.00	90.20	314.210	4,881.38	4,671.23	-4,099.01	6,213.17	0.66	0.05	-0.66
11,046.00	90.07	314.080	4,881.24	4,713.71	-4,142.78	6,274.06	0.30	-0.21	-0.21
11,107.00	90.17	314.000	4,881.11	4,756.12	-4,186.63	6,334.95	0.21	0.16	-0.13
11,168.00	90.10	313.740	4,880.97	4,798.39	-4,230.61	6,395.83	0.44	-0.11	-0.43
11,229.00	90.67	313.450	4,880.56	4,840.45	-4,274.78	6,456.69	1.05	0.93	-0.48
11,291.00	90.84	314.060	4,879.74	4,883.33	-4,319.56	6,518.56	1.02	0.27	0.98
11,352.00	89.97	315.960	4,879.31	4,926.47	-4,362.68	6,579.50	3.43	-1.43	3.11
11,412.00	89.93	316.420	4,879.36	4,969.76	-4,404.22	6,639.48	0.77	-0.07	0.77
11,473.00	90.13	316.360	4,879.33	5,013.93	-4,446.30	6,700.47	0.34	0.33	-0.10
11,534.00	90.23	316.130	4,879.14	5,057.99	-4,488.48	6,761.46	0.41	0.16	-0.38
11,595.00	90.30	315.620	4,878.86	5,101.78	-4,530.95	6,822.43	0.84	0.11	-0.84
11,657.00	90.57	315.520	4,878.39	5,146.05	-4,574.35	6,884.39	0.46	0.44	-0.16
11,718.00	90.81	315.020	4,877.65	5,189.38	-4,617.28	6,945.35	0.91	0.39	-0.82

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
Project:	Betonne Tsoie Unit	TVD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Site:	A03 2308 Pad	MD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,779.00	90.40	315.060	4,877.01	5,232.55	-4,660.38	7,006.29	0.68	-0.67	0.07	
11,840.00	89.08	316.390	4,877.28	5,276.22	-4,702.96	7,067.26	3.07	-2.16	2.18	
11,901.00	89.33	316.860	4,878.13	5,320.55	-4,744.85	7,128.24	0.87	0.41	0.77	
11,961.00	89.53	316.980	4,878.73	5,364.38	-4,785.83	7,188.24	0.39	0.33	0.20	
12,022.00	89.87	316.630	4,879.05	5,408.85	-4,827.58	7,249.23	0.80	0.56	-0.57	
12,083.00	90.00	316.460	4,879.12	5,453.13	-4,869.54	7,310.22	0.35	0.21	-0.28	
12,144.00	90.07	315.950	4,879.08	5,497.16	-4,911.75	7,371.21	0.84	0.11	-0.84	
12,205.00	90.30	315.760	4,878.88	5,540.93	-4,954.24	7,432.18	0.49	0.38	-0.31	
12,266.00	90.80	315.310	4,878.30	5,584.46	-4,996.96	7,493.15	1.10	0.82	-0.74	
12,326.00	90.77	314.890	4,877.47	5,626.96	-5,039.31	7,553.09	0.70	-0.05	-0.70	
12,387.00	90.17	316.800	4,876.97	5,670.72	-5,081.80	7,614.06	3.28	-0.98	3.13	
12,448.00	90.40	317.890	4,876.67	5,715.58	-5,123.13	7,675.06	1.83	0.38	1.79	
12,509.00	90.64	317.510	4,876.12	5,760.70	-5,164.18	7,736.05	0.74	0.39	-0.62	
12,569.00	89.56	317.910	4,876.01	5,805.08	-5,204.56	7,796.05	1.92	-1.80	0.67	
12,629.00	89.20	317.450	4,876.66	5,849.44	-5,244.95	7,856.05	0.97	-0.60	-0.77	
12,689.00	89.36	317.060	4,877.42	5,893.50	-5,285.67	7,916.04	0.70	0.27	-0.65	
12,749.00	89.56	316.800	4,877.98	5,937.33	-5,326.64	7,976.04	0.55	0.33	-0.43	
12,810.00	90.47	317.000	4,877.96	5,981.87	-5,368.32	8,037.03	1.53	1.49	0.33	
12,870.00	90.74	316.840	4,877.33	6,025.69	-5,409.30	8,097.03	0.52	0.45	-0.27	
12,931.00	90.07	316.450	4,876.90	6,070.04	-5,451.18	8,158.02	1.27	-1.10	-0.64	
12,991.00	90.10	316.230	4,876.81	6,113.45	-5,492.60	8,218.01	0.37	0.05	-0.37	
13,051.00	89.70	315.260	4,876.92	6,156.42	-5,534.47	8,277.98	1.75	-0.67	-1.62	
13,112.00	90.03	314.850	4,877.06	6,199.60	-5,577.56	8,338.93	0.86	0.54	-0.67	
13,173.00	90.44	314.480	4,876.81	6,242.48	-5,620.95	8,399.85	0.91	0.67	-0.61	
13,234.00	90.47	313.760	4,876.32	6,284.94	-5,664.74	8,460.75	1.18	0.05	-1.18	
13,294.00	90.44	313.220	4,875.85	6,326.23	-5,708.26	8,520.60	0.90	-0.05	-0.90	
13,355.00	90.44	312.900	4,875.38	6,367.88	-5,752.83	8,581.42	0.52	0.00	-0.52	
13,415.00	89.09	312.600	4,875.63	6,408.61	-5,796.89	8,641.21	2.30	-2.25	-0.50	
13,475.00	89.26	312.240	4,876.49	6,449.08	-5,841.18	8,700.97	0.66	0.28	-0.60	
13,536.00	89.60	311.860	4,877.10	6,489.93	-5,886.47	8,761.70	0.84	0.56	-0.62	
13,598.00	89.70	312.220	4,877.48	6,531.45	-5,932.52	8,823.42	0.60	0.16	0.58	
13,658.00	89.83	313.880	4,877.72	6,572.41	-5,976.36	8,883.24	2.78	0.22	2.77	
13,718.00	89.70	314.310	4,877.97	6,614.16	-6,019.45	8,943.13	0.75	-0.22	0.72	
13,780.00	88.86	315.490	4,878.75	6,657.92	-6,063.36	9,005.06	2.34	-1.35	1.90	
13,841.00	89.66	315.170	4,879.53	6,701.29	-6,106.24	9,066.02	1.41	1.31	-0.52	
13,902.00	89.80	315.900	4,879.82	6,744.83	-6,148.97	9,126.98	1.22	0.23	1.20	
13,962.00	89.36	317.640	4,880.26	6,788.54	-6,190.07	9,186.97	2.99	-0.73	2.90	
14,022.00	90.60	317.630	4,880.28	6,832.87	-6,230.50	9,246.97	2.07	2.07	-0.02	
14,084.00	90.74	317.440	4,879.56	6,878.61	-6,272.35	9,308.96	0.38	0.23	-0.31	
14,144.00	91.07	317.240	4,878.61	6,922.72	-6,313.01	9,368.96	0.64	0.55	-0.33	
14,204.00	90.57	316.660	4,877.75	6,966.56	-6,353.96	9,428.95	1.28	-0.83	-0.97	
14,265.00	89.36	316.170	4,877.79	7,010.75	-6,396.01	9,489.94	2.14	-1.98	-0.80	
14,326.00	89.53	316.020	4,878.38	7,054.70	-6,438.31	9,550.92	0.37	0.28	-0.25	

Company:	DJR Operating	Local Co-ordinate Reference:	Well # 720H
Project:	Betonnies Tsosie Unit	TVD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Site:	A03 2308 Pad	MD Reference:	GL 6880' & RKB 14' @ 6894.00usft (Aztec 920)
Well:	# 720H	North Reference:	True
Wellbore:	Original drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original drilling	Database:	Grand Junction

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,388.00	90.40	315.940	4,878.42	7,099.28	-6,481.40	9,612.89	1.41	1.40	-0.13	
14,448.00	90.74	315.660	4,877.82	7,142.29	-6,523.22	9,672.87	0.73	0.57	-0.47	
14,510.00	91.14	315.200	4,876.80	7,186.45	-6,566.73	9,734.82	0.98	0.65	-0.74	
14,571.00	91.81	314.990	4,875.23	7,229.64	-6,609.78	9,795.75	1.15	1.10	-0.34	
14,581.00	91.78	314.950	4,874.92	7,236.71	-6,616.85	9,805.73	0.50	-0.30	-0.40	
14,632.00	91.78	314.950	4,873.34	7,272.72	-6,652.92	9,856.66	0.00	0.00	0.00	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
502.00	501.95	0.90	5.89	First SDI Surface MWD Survey	
4,102.00	4,078.33	83.90	402.38	Last SDI Surface MWD Survey	
4,165.00	4,140.96	87.77	407.89	First SDI Curve MWD Survey	
5,174.00	4,821.15	578.79	18.47	Last SDI Curve MWD Survey	
5,251.00	4,832.13	630.57	-37.39	First SDI Lateral MWD Survey	
14,581.00	4,874.92	7,236.71	-6,616.85	Last SDI Lateral MWD Survey	
14,632.00	4,873.34	7,272.72	-6,652.92	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____