

SEP 26 2018

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

DISTRICT III Revised August 1, 2011

Submit one copy to appropriate

District Office

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, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35638	² Pool Code 98102	³ Pool Name PINON UNIT; HZ (OIL)
⁴ Property Code 317565	⁵ Property Name PINON UNIT	⁶ Well Number 306H ST
⁷ OGRID No. 371654	⁸ Operator Name JUNIPER RESOURCES EXPLORATION CO. LLC.	⁹ Elevation 6732

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
M	16	24 N	10 W		1277	SOUTH	318	WEST	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
I	21	24 N	10 W		2562	SOUTH	358	EAST	SAN JUAN

¹² Dedicated Acres SEC. 16: W/2 SW/4, SE/4 SW/4 SEC. 21: NE/4 NW/4, W/2 NE/4, SE/4 NE/4, NE/4 SE/4, T-24-N, R-10-W (320.00 ACRES)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13857A
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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

16

LEGEND:

- = SURFACE LOCATION
- ⊕ = KICK OFF POINT
- = BOTTOM HOLE LOCATION
- ⊙ = FND 1932 U.S.G.L.O. BRASS CAP

SURFACE LOCATION

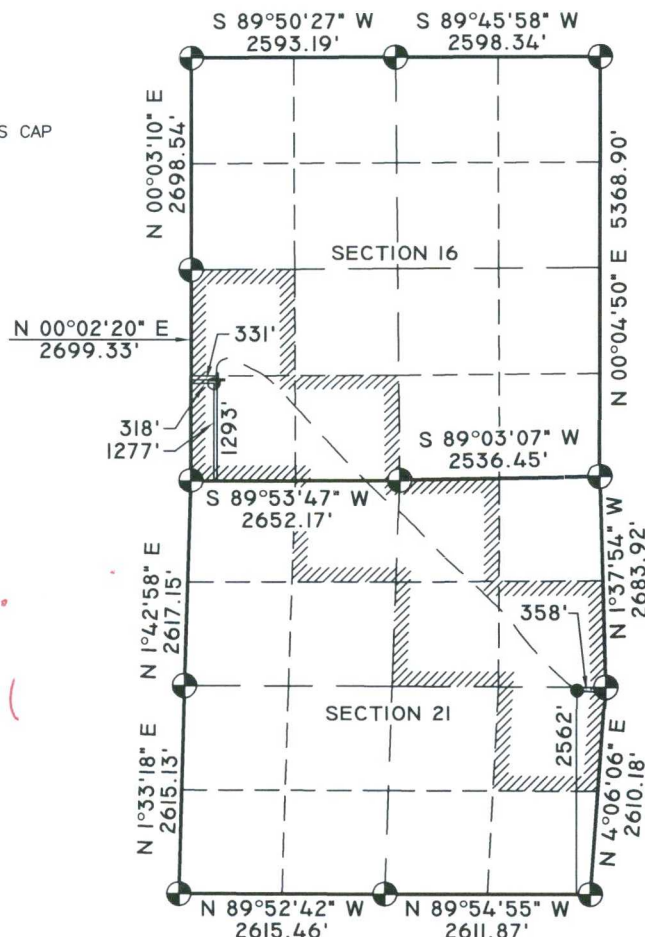
SEC. 16, T24N, R10W
1277' FSL, 318' FWL
LAT: 36.3094124° N
LONG: 107.9087406° W
NAD 83
LAT: 36.3094014° N
LONG: 107.9081216° W
NAD 27

KICK OFF POINT

SEC. 16, T24N, R10W
1293' FSL, 331' FWL
LAT: 36.3094584° N
LONG: 107.9086959° W
NAD 83
LAT: 36.3094474° N
LONG: 107.9080769° W
NAD 27

BOTTOM HOLE LOCATION

SEC. 21, T24N, R10W
2562' FSL, 358' FWL
LAT: 36.2985587° N
LONG: 107.8931733° W
NAD 83
LAT: 36.2985475° N
LONG: 107.8925548° W
NAD 27

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.

Signature

Date

MATT STRICKLER

Printed Name

matt.strickler@jnrresources.com

E-mail Address

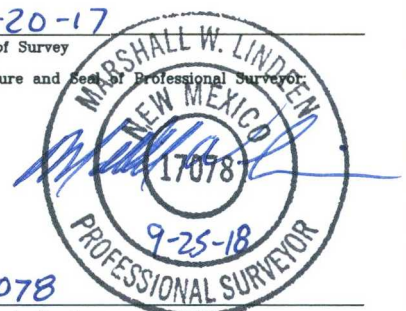
¹⁸ SURVEYOR CERTIFICATION

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.

3-20-17

Date of Survey

Signature and Seal of Professional Surveyor



17078

Certificate Number

Juniper Resources, LLC

San Juan, NM NAD83

Pinon Pad

Pinon 306 ST

OH

Design: OH

Standard Survey Report

17 August, 2018



www.scientificdrilling.com

Scientific Drilling, Intl

Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	San Juan, NM NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site		Pinon Pad			
Site Position:		Northing:	1,931,934.75 usft	Latitude:	36.3094124
From:	Lat/Long	Easting:	2,700,874.60 usft	Longitude:	-107.9087406
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.04 °

Well	Pinon 306 ST					
Well Position	+N/-S	0.00 ft	Northing:	1,931,934.75 usft	Latitude:	36.3094124
	+E/-W	0.00 ft	Easting:	2,700,874.60 usft	Longitude:	-107.9087406
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	6,732.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/7/2018	9.00	62.82	49,610

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	3,703.50
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	130.93	

Survey Program	Date 8/17/2018			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
372.50	3,703.50	Survey #2 (Pinon 306 Pilot)	MWD	MWD - Standard
3,736.00	10,950.00	Survey #1 - MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
372.50	0.57	237.06	372.40	-0.08	-1.57	-0.64	0.15	0.15	0.00	
432.50	0.22	213.96	432.49	-1.24	-1.89	-0.62	0.63	-0.58	-40.00	
493.50	0.66	107.97	493.49	-1.44	-1.62	-0.28	1.23	0.72	-173.75	
553.50	1.36	78.44	553.48	-1.41	-0.59	0.47	1.42	1.17	-49.22	
614.50	1.67	71.67	614.46	-0.98	0.96	1.37	0.59	0.51	-11.10	
674.50	2.37	62.79	674.42	-0.14	2.89	2.28	1.27	1.17	-14.80	
735.50	3.03	58.13	735.35	1.29	5.38	3.22	1.14	1.08	-7.64	
795.50	4.09	45.92	795.24	3.61	8.27	3.88	2.16	1.77	-20.35	
856.50	5.10	38.80	856.04	7.24	11.53	3.97	1.90	1.66	-11.67	

Scientific Drilling, Intl

Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
916.50	5.36	39.68	915.79	11.48	14.99	3.81	0.45	0.43	1.47
977.50	5.01	37.92	976.54	15.77	18.45	3.60	0.63	-0.57	-2.89
1,037.50	3.69	26.67	1,036.37	19.56	20.92	2.99	2.61	-2.20	-18.75
1,098.50	1.93	9.88	1,097.30	22.33	21.98	1.98	3.16	-2.89	-27.52
1,220.50	0.97	350.11	1,219.26	25.37	22.16	0.12	0.88	-0.79	-16.20
1,340.50	1.06	260.19	1,339.24	26.18	20.89	-1.37	1.20	0.08	-74.93
1,461.50	1.67	253.25	1,460.21	25.48	18.10	-3.02	0.52	0.50	-5.74
1,582.50	1.71	248.07	1,581.16	24.30	14.73	-4.79	0.13	0.03	-4.28
1,702.50	1.27	178.54	1,701.12	22.30	13.11	-4.71	1.45	-0.37	-57.94
1,823.50	1.63	185.14	1,822.08	19.25	12.99	-2.80	0.33	0.30	5.45
1,943.50	2.37	178.63	1,942.01	15.07	12.89	-0.13	0.64	0.62	-5.43
2,065.50	2.20	152.97	2,063.92	10.46	14.02	3.74	0.84	-0.14	-21.03
2,187.50	1.93	125.46	2,185.84	7.18	16.75	7.95	0.83	-0.22	-22.55
2,307.50	1.36	93.20	2,305.79	5.93	19.82	11.09	0.89	-0.48	-26.88
2,428.50	1.14	56.82	2,426.77	6.51	22.26	12.56	0.67	-0.18	-30.07
2,550.50	1.63	35.55	2,548.73	8.58	24.29	12.73	0.58	0.40	-17.43
2,672.50	2.02	40.03	2,670.67	11.64	26.68	12.53	0.34	0.32	3.67
2,793.50	1.41	7.95	2,791.62	14.75	28.26	11.69	0.92	-0.50	-26.51
2,914.50	0.97	313.90	2,912.59	16.93	27.73	9.85	0.95	-0.36	-44.67
3,035.50	0.84	322.24	3,033.58	18.35	26.44	7.96	0.15	-0.11	6.89
3,159.50	1.49	253.51	3,157.56	18.61	24.34	6.20	1.15	0.52	-55.43
3,285.50	1.41	262.52	3,283.52	18.46	21.26	3.95	0.56	-0.06	-23.02
3,410.50	1.45	265.82	3,408.48	18.70	18.18	1.49	0.33	0.03	-13.36
3,536.50	1.58	250.97	3,534.44	18.01	14.95	-0.51	0.33	0.10	-11.79
3,663.50	0.40	190.50	3,661.42	17.01	13.21	-1.16	1.12	-0.93	-47.61
3,703.50	0.55	183.12	3,701.42	16.68	13.17	-0.97	0.40	0.37	-18.45
3,736.00	5.89	2.06	3,733.86	18.19	13.23	-1.92	19.81	16.43	550.59
3,767.00	7.13	5.93	3,764.66	21.69	13.48	-4.03	4.24	4.00	12.48
3,799.00	8.71	7.42	3,796.36	25.07	14.00	6.50	4.98	4.94	4.88
3,830.00	10.38	7.42	3,826.93	31.17	14.66	-9.34	5.39	5.39	0.00
3,846.00	11.86	6.54	3,842.63	34.23	15.04	-11.07	9.31	9.25	-5.50
3,877.00	14.43	4.36	3,872.81	41.25	15.69	-15.17	8.44	8.29	-7.03
3,909.00	19.05	355.70	3,903.45	50.44	15.61	-21.25	16.37	14.44	-27.06
3,941.00	23.07	350.75	3,933.31	61.84	14.21	-29.78	13.73	12.56	-15.47
3,972.00	25.24	350.30	3,961.59	74.35	12.12	-39.56	7.03	7.00	-1.45
4,004.00	25.58	350.64	3,990.50	87.89	9.84	-50.15	1.16	1.06	1.06
4,035.00	25.67	350.95	4,018.45	101.13	7.70	-60.44	0.52	0.29	1.00
4,067.00	28.83	354.88	4,046.90	115.66	5.92	-71.30	11.36	9.88	12.28
4,097.00	30.66	359.08	4,072.95	130.52	5.15	-81.62	9.24	6.10	14.00
4,130.00	30.74	4.96	4,101.33	147.34	5.74	-92.19	9.10	0.24	17.82
4,162.00	29.97	5.91	4,128.94	163.43	7.27	-101.58	2.84	-2.41	2.97
4,193.00	26.39	8.06	4,156.26	177.96	9.04	-109.76	12.00	-11.55	6.94
4,227.00	23.04	11.23	4,187.15	191.97	11.39	-117.16	10.59	-9.85	9.32

Scientific Drilling, Intl

Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,256.00	21.63	19.41	4,213.98	202.59	14.28	-121.93	11.76	-4.86	28.21
4,287.00	21.72	25.47	4,242.70	213.15	18.64	-125.56	7.22	0.29	19.55
4,319.00	22.34	31.45	4,272.45	223.69	24.36	-128.14	7.27	1.94	18.69
4,351.00	23.17	37.22	4,301.97	233.89	31.34	-129.55	7.44	2.59	18.03
4,382.00	23.83	42.26	4,330.40	243.38	39.25	-129.80	6.82	2.13	16.26
4,414.00	26.28	47.28	4,359.39	252.98	48.80	-128.87	10.13	7.66	15.69
4,445.00	27.70	53.60	4,387.02	261.91	59.64	-126.53	10.32	4.58	20.39
4,477.00	29.14	57.74	4,415.16	270.48	72.22	-122.64	7.62	4.50	12.94
4,508.00	30.34	60.10	4,442.08	278.42	85.39	-117.89	5.41	3.87	7.61
4,540.00	31.82	65.13	4,469.49	285.99	100.06	-111.77	9.34	4.63	15.72
4,571.00	32.71	71.26	4,495.71	292.12	115.41	-104.19	10.94	2.87	19.77
4,603.00	33.40	79.51	4,522.55	296.51	132.26	-94.33	14.22	2.16	25.78
4,634.00	32.98	87.35	4,548.50	298.45	149.09	-82.89	13.90	-1.35	25.29
4,666.00	33.46	93.30	4,575.28	298.35	166.60	-69.59	10.29	1.50	18.59
4,698.00	33.68	99.91	4,601.95	296.31	184.16	-54.99	11.44	0.69	20.66
4,729.00	34.34	104.88	4,627.65	292.59	201.08	-39.77	9.21	2.13	16.03
4,761.00	36.23	110.02	4,653.78	287.03	218.69	-22.82	10.99	5.91	16.06
4,792.00	38.89	113.61	4,678.35	279.99	236.22	-4.97	11.11	8.58	11.58
4,823.00	41.15	115.82	4,702.09	271.65	254.32	14.17	8.61	7.29	7.13
4,854.00	44.67	117.40	4,724.79	262.19	273.18	34.62	11.87	11.35	5.10
4,887.00	47.13	119.78	4,747.76	250.85	293.98	57.77	9.08	7.45	7.21
4,919.00	50.71	118.15	4,768.78	239.17	315.09	81.36	11.83	11.19	-5.09
4,950.00	53.20	116.97	4,787.89	227.88	336.73	105.11	8.57	8.03	-3.81
4,982.00	57.35	117.52	4,806.11	215.84	360.10	130.66	13.05	12.97	1.72
5,013.00	61.38	117.67	4,821.91	203.49	383.74	156.60	13.01	13.00	0.48
5,043.00	65.60	117.37	4,835.29	191.09	407.54	182.71	14.10	14.07	-1.00
5,074.00	69.82	116.79	4,847.05	178.04	433.08	210.55	13.72	13.61	-1.87
5,105.00	74.76	116.75	4,856.48	164.74	459.43	239.18	15.94	15.94	-0.13
5,136.00	80.11	117.32	4,863.22	150.99	486.37	269.54	17.36	17.26	1.84
5,167.00	85.26	117.38	4,867.16	136.87	513.68	298.42	16.61	16.61	0.19
5,198.00	89.16	119.16	4,868.67	122.21	540.94	328.62	13.83	12.58	5.74
5,229.00	89.29	121.21	4,869.09	106.62	567.73	359.07	6.63	0.42	6.61
5,259.00	90.57	124.52	4,869.13	90.35	592.93	388.77	11.83	4.27	11.03
5,290.00	91.18	128.85	4,868.65	71.83	617.78	419.68	14.10	1.97	13.97
5,321.00	92.77	132.52	4,867.59	51.64	641.27	450.65	12.90	5.13	11.84
5,352.00	93.42	134.00	4,865.91	30.43	663.81	481.58	5.21	2.10	4.77
5,383.00	92.86	134.98	4,864.21	8.74	685.89	512.47	3.64	-1.81	3.16
5,413.00	91.24	135.41	4,863.14	-12.54	707.02	542.37	5.59	-5.40	1.43
5,444.00	90.84	134.63	4,862.58	-34.46	728.92	573.29	2.83	-1.29	-2.52
5,475.00	90.37	134.34	4,862.25	-56.18	751.04	604.22	1.78	-1.52	-0.94
5,536.00	90.71	135.41	4,861.68	-99.22	794.26	665.08	1.84	0.56	1.75
5,598.00	92.12	135.80	4,860.15	-143.50	837.63	726.85	2.36	2.27	0.63
5,660.00	91.71	136.55	4,858.07	-188.21	880.53	788.55	1.38	-0.66	1.21

Scientific Drilling, Intl

Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,721.00	91.92	137.09	4,856.14	-232.67	922.25	849.20	0.95	0.34	0.89
5,782.00	91.51	137.48	4,854.32	-277.47	963.62	909.80	0.93	-0.67	0.64
5,845.00	87.85	137.58	4,854.67	-323.93	1,006.15	972.37	5.81	-5.81	0.16
5,906.00	88.59	138.94	4,856.56	-369.42	1,046.74	1,032.84	2.54	1.21	2.23
5,968.00	88.92	139.63	4,857.91	-416.40	1,087.17	1,094.17	1.23	0.53	1.11
6,030.00	88.35	138.23	4,859.39	-463.13	1,127.89	1,155.55	2.44	-0.92	-2.26
6,091.00	88.36	137.83	4,861.14	-508.47	1,168.66	1,216.05	0.66	0.02	-0.66
6,153.00	90.57	136.64	4,861.72	-553.98	1,210.76	1,277.67	4.05	3.56	-1.92
6,214.00	91.28	136.49	4,860.73	-598.27	1,252.69	1,338.37	1.19	1.16	-0.25
6,276.00	90.60	137.26	4,859.71	-643.51	1,295.07	1,400.02	1.66	-1.10	1.24
6,338.00	90.94	137.56	4,858.88	-689.15	1,337.02	1,461.62	0.73	0.55	0.48
6,402.00	90.54	136.97	4,858.05	-736.16	1,380.45	1,525.23	1.11	-0.63	-0.92
6,465.00	90.30	136.87	4,857.59	-782.17	1,423.48	1,587.88	0.41	-0.38	-0.16
6,528.00	90.57	136.50	4,857.11	-828.01	1,466.69	1,650.56	0.73	0.43	-0.59
6,591.00	90.64	137.10	4,856.45	-873.93	1,509.82	1,713.23	0.96	0.11	0.95
6,653.00	90.40	137.53	4,855.89	-919.50	1,551.85	1,774.84	0.79	-0.39	0.69
6,716.00	90.40	137.40	4,855.45	-965.93	1,594.44	1,837.43	0.21	0.00	-0.21
6,779.00	90.57	136.23	4,854.91	-1,011.86	1,637.55	1,900.09	1.88	0.27	-1.86
6,843.00	90.74	135.95	4,854.18	-1,057.96	1,681.93	1,963.83	0.51	0.27	-0.44
6,906.00	90.87	136.18	4,853.30	-1,103.33	1,725.64	2,026.57	0.42	0.21	0.37
6,969.00	90.31	135.69	4,852.65	-1,148.59	1,769.45	2,089.33	1.18	-0.89	-0.78
7,058.00	90.50	135.36	4,852.02	-1,212.10	1,831.81	2,178.04	0.43	0.21	-0.37
7,120.00	91.04	135.26	4,851.19	-1,256.17	1,875.40	2,239.85	0.89	0.87	-0.16
7,184.00	90.07	134.34	4,850.57	-1,301.26	1,920.81	2,303.70	2.09	-1.52	-1.44
7,247.00	89.87	134.45	4,850.60	-1,345.34	1,965.83	2,366.59	0.36	-0.32	0.17
7,310.00	90.54	134.11	4,850.37	-1,389.32	2,010.93	2,429.48	1.19	1.06	-0.54
7,373.00	90.54	133.77	4,849.78	-1,433.04	2,056.30	2,492.39	0.54	0.00	-0.54
7,436.00	92.11	133.06	4,848.32	-1,476.32	2,102.04	2,555.31	2.73	2.49	-1.13
7,498.00	91.54	132.85	4,846.35	-1,518.55	2,147.40	2,617.24	0.98	-0.92	-0.34
7,560.00	90.44	131.96	4,845.28	-1,560.35	2,193.17	2,679.21	2.28	-1.77	-1.44
7,621.00	90.13	130.31	4,844.97	-1,600.48	2,239.11	2,740.20	2.75	-0.51	-2.70
7,683.00	91.28	130.74	4,844.21	-1,640.76	2,286.23	2,802.20	1.98	1.85	0.69
7,744.00	90.71	133.30	4,843.15	-1,681.58	2,331.54	2,863.17	4.30	-0.93	4.20
7,806.00	90.47	134.03	4,842.51	-1,724.39	2,376.39	2,925.10	1.24	-0.39	1.18
7,868.00	91.71	135.07	4,841.33	-1,767.87	2,420.56	2,986.96	2.61	2.00	1.68
7,929.00	91.28	135.00	4,839.74	-1,811.02	2,463.66	3,047.78	0.71	-0.70	-0.11
7,991.00	91.01	134.10	4,838.50	-1,854.50	2,507.83	3,109.65	1.52	-0.44	-1.45
8,052.00	92.42	135.81	4,836.68	-1,897.58	2,550.97	3,170.46	3.63	2.31	2.80
8,115.00	90.81	136.32	4,834.90	-1,942.93	2,594.67	3,233.18	2.68	-2.56	0.81
8,176.00	91.44	137.58	4,833.70	-1,987.50	2,636.30	3,293.83	2.31	1.03	2.07
8,238.00	90.23	137.34	4,832.80	-2,033.17	2,678.21	3,355.42	1.99	-1.95	-0.39
8,300.00	90.64	135.69	4,832.33	-2,078.15	2,720.88	3,417.93	2.74	0.66	-2.66
8,362.00	90.94	134.81	4,831.48	-2,122.12	2,764.52	3,478.94	1.50	0.49	-1.42
8,423.00	90.10	136.04	4,830.92	-2,165.63	2,807.33	3,539.75	2.44	-1.38	2.02

Scientific Drilling, Intl

Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,485.00	90.20	135.94	4,830.76	-2,210.22	2,850.41	3,601.51	0.23	0.16	-0.16
8,546.00	90.84	135.00	4,830.21	-2,253.71	2,893.18	3,662.31	1.86	1.05	-1.54
8,608.00	90.54	132.97	4,829.46	-2,296.76	2,937.79	3,724.22	3.31	-0.48	-3.27
8,670.00	91.38	132.42	4,828.42	-2,338.79	2,983.35	3,786.18	1.62	1.35	-0.89
8,731.00	91.54	132.84	4,826.87	-2,380.09	3,028.21	3,847.13	0.74	0.26	0.69
8,794.00	91.85	133.26	4,825.00	-2,423.08	3,074.23	3,910.06	0.83	0.49	0.67
8,857.00	91.01	132.26	4,823.43	-2,465.84	3,120.47	3,973.01	2.07	-1.33	-1.59
8,920.00	91.51	133.21	4,822.04	-2,508.58	3,166.73	4,035.96	1.70	0.79	1.51
8,983.00	91.58	133.92	4,820.35	-2,551.98	3,212.37	4,098.87	1.13	0.11	1.13
9,047.00	91.61	133.23	4,818.56	-2,596.08	3,258.71	4,162.78	1.08	0.05	-1.08
9,110.00	92.01	132.65	4,816.57	-2,638.98	3,304.81	4,225.71	1.12	0.63	-0.92
9,173.00	92.25	133.81	4,814.23	-2,682.10	3,350.68	4,288.61	1.88	0.38	1.84
9,236.00	90.70	136.00	4,812.61	-2,726.55	3,395.28	4,351.43	4.26	-2.46	3.48
9,300.00	90.50	135.44	4,811.94	-2,772.37	3,439.96	4,415.21	0.93	-0.31	-0.88
9,363.00	90.30	134.27	4,811.50	-2,816.80	3,484.62	4,478.06	1.88	-0.32	-1.86
9,426.00	90.47	132.91	4,811.08	-2,860.24	3,530.25	4,540.99	2.18	0.27	-2.16
9,489.00	91.01	132.84	4,810.26	-2,903.10	3,576.41	4,603.94	0.86	0.86	-0.11
9,552.00	90.44	136.35	4,809.47	-2,947.32	3,621.26	4,666.80	5.64	-0.90	5.57
9,615.00	90.34	136.03	4,809.04	-2,992.78	3,664.88	4,729.53	0.53	-0.16	-0.51
9,678.00	90.84	138.49	4,808.39	-3,039.05	3,707.63	4,792.14	3.98	0.79	3.90
9,741.00	90.74	140.92	4,807.52	-3,087.09	3,748.36	4,854.39	3.86	-0.16	3.86
9,804.00	91.14	144.10	4,806.49	-3,137.06	3,786.07	4,910.09	5.18	0.63	5.14
9,868.00	90.00	143.72	4,805.85	-3,188.82	3,824.34	4,978.44	1.91	-1.78	-0.69
9,931.00	91.21	141.43	4,805.18	-3,238.84	3,862.62	5,040.13	4.11	1.92	-3.63
9,994.00	90.81	140.98	4,804.07	-3,287.94	3,902.09	5,102.11	0.96	-0.63	-0.71
10,057.00	90.77	139.27	4,803.21	-3,336.28	3,942.47	5,164.30	2.71	-0.06	-2.71
10,121.00	90.50	139.64	4,802.50	-3,384.91	3,984.07	5,227.59	0.72	-0.42	0.58
10,184.00	90.91	139.62	4,801.72	-3,432.90	4,024.88	5,289.86	0.65	0.65	-0.03
10,247.00	90.13	138.69	4,801.16	-3,479.83	4,066.90	5,352.35	4.81	-1.24	-4.65
10,311.00	91.17	135.73	4,800.42	-3,526.02	4,111.18	5,416.07	2.21	1.63	-1.50
10,374.00	91.78	135.98	4,798.80	-3,571.22	4,155.05	5,478.81	1.05	0.97	0.40
10,437.00	91.58	135.35	4,796.95	-3,616.26	4,199.05	5,541.57	1.05	-0.32	-1.00
10,500.00	91.14	134.12	4,795.46	-3,660.59	4,243.79	5,604.41	2.07	-0.70	-1.95
10,563.00	90.91	134.04	4,794.33	-3,704.41	4,289.04	5,667.31	0.39	-0.37	-0.13
10,627.00	90.07	132.51	4,793.78	-3,748.27	4,335.64	5,731.25	2.73	-1.31	-2.39
10,690.00	89.60	131.83	4,793.97	-3,790.57	4,382.33	5,794.24	1.31	-0.75	-1.08
10,753.00	90.07	131.49	4,794.15	-3,832.44	4,429.40	5,857.23	0.92	0.75	-0.54
10,816.00	90.74	128.56	4,793.70	-3,872.95	4,477.63	5,920.21	4.77	1.06	-4.65
10,880.00	90.75	126.98	4,792.87	-3,912.15	4,528.22	5,984.11	2.47	0.02	-2.47
10,950.00	90.75	126.98	4,791.95	-3,954.25	4,584.13	6,053.94	0.00	0.00	0.00

Scientific Drilling, Intl
Survey Report



Company:	Juniper Resources, LLC	Local Co-ordinate Reference:	Well Pinon 306 ST
Project:	San Juan, NM NAD83	TVD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Site:	Pinon Pad	MD Reference:	GL 6732' & RKB 17.5' @ 6749.50ft (Aztec 777)
Well:	Pinon 306 ST	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Checked By: _____ Approved By: _____ Date: _____