



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

01/05/2022

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 406H	US Well Number 3004538213
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058457

Section 1 - General

Well Completion Report Id: 82527 **Submission Date:** N/A until DB Work

BLM Office: Farmington Field Office **User:** SHAW-MARIE FORD **Title:** Regulatory Specialist

Federal/Indian: FEDERAL **Lease Number:** NMNM117143 **Lease Acres:**

Agreement in place?: YES **Federal or Indian Agreement:** FEDERAL

Agreement Number: NMNM135229A **Agreement Name:** /1/NORTH ALAMITO

Keep this Well Completion Report confidential?: NO

APD Operator: DJR OPERATING LLC

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool **Pool Name:** NORTH ALAMITO UNIT **Field Name:** BASIN

Well Type: OIL WELL

Spud Date: 06-07-2021

Date Total Measured Depth Reached: 10-21-2021

Drill & Abandon or Ready To Produce: READY TO PRODUCE

Well Class: HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
OJO ALAMAO	SANDSTONE		0	726	727	USEABLE WATER	
KIRTLAND	SHALE		-789	789	790	NONE	

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Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
FRUITLAND	COAL		-1054	1054	1060	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1306	1306	1317	USEABLE WATER	
LEWIS	SHALE		-1478	1478	1492	NONE	
CHACRA	SANDSTONE		-2039	2039	2065	NONE	
MENEFEE	COAL, SANDSTONE		-2807	2807	2848	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3687	3687	3746	NONE	
MANCOS	SHALE		-3850	3850	3912	NONE	
MANCOS	SILTSTONE		-4154	4154	4222	NATURAL GAS, OIL	
GALLUP	SILTSTONE		-4645	4645	4735	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4702	4702	4804	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4802	4802	4943	NATURAL GAS, OIL	
GALLUP	SANDSTONE		-4952	4952	5392	NATURAL GAS, OIL	

Completion and Completed Intervals

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 406H	US Well Number 3004538213
SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
Well Type OIL WELL	Well Status Drilling Well	Agreement Name /1/NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058457

Completion Data

Status of Interval	Number of Holes	Perforation Size	Interval Perforated?	Interval Bottom (MD)	Interval Top (MD)	Formation	Date First Produced	Date Completed	Completion Status	Describe Well Completion Type	Well Completion Type	Lease Number	Case Number	Interval Number	Completion Code	Wellbore Code
OPEN	840	.35	Y	12622	5584	GALLUP	11-28-2021	11-27-2021	POW		NEW	NMNM117143	NMNM135229A	1	S1	00

Treatment Data

Treatment Remarks	Total Proppant (lbs)	Tottle Fluid (bbls)	Treatment Type	Interval Treated?	Interval Number	Completion Code	Wellbore Code
Chemical Disclosure uploaded to FracFocus on 12/07/21	9947220	51207	FRAC	Y	1	S1	00

Production Data

Describe Disposition	Disposition of Gas	Describe Production	Production Method	Gas Gravity	API Oil Gravity	Interval Number	Completion Code	Wellbore Code
	SOLD		GAS LIFT			1	S1	00

Test Data

Casing Pressure (psi)	Tubing Pressure Shut-In (psi)	Tubing Pressure	Choke Size	Gas-Oil Ratio (SCF/Bbl)	24-Hour Rate Water(BWPD)	24-Hour Rate Gas (MCF)	24-Hour Rate Oil (bbls)	Hours Tested	Test Date	Interval Number	Completion Code	Wellbore Code

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SHL NESE Sec 1 22N 8W	County SAN JUAN	State NM	Lease Number(s) NMNM117143
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Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 405H, 406H, 407H, 408H	ID 10400058457

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1										

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167067	-107.626298	6917	FEDERAL	NMNM117143			2046	FSL	536	FEL	22N	8W	1	NESE
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.167067	-107.626298	6567	FEDERAL	NMNM117143			2046	FSL	536	FEL	22N	8W	1	NESE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SAN JUAN	36.168426	-107.625831	1967	FEDERAL	NMNM117143			2541	FSL	404	FEL	22N	8W	1	NESE
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVALL	36.167387	-107.624473	1966	FEDERAL	NMNM89023			2162	FSL	1	FWL	22N	7W	6	NWSW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVALL	36.161184	-107.615641	1966	FEDERAL	NMNM136659			93	FNL	2606	FEL	22N	7W	7	NWNE

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	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.161439	-107.616001	1966	FEDERAL	NMNM136657				1	FNL	2524	FWL	22N	7W	7	NENW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.155253	-107.607255	1966	FEDERAL	NMNM136659				2253	FNL	128	FEL	22N	7W	7	SENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.15517	-107.607119	1966	FEDERAL	NMNM136659	4951	12678		2283	FNL	88	FEL	22N	7W	7	SENE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	12.25	0	365	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5336	7.0	26	J-55		LT&C		

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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	LINER	6.125	5143	12692	4.5	11.6	P-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbbs)
00	SURFACE		I-II	109	1.61	0					31.3
00	INTERMEDIATE		III	369	2.34	0	Poz/G	254	1.5	3784	221.6
00	LINER		Poz/G	658	1.56	5143					182.8

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		5285		6	L-80		ST&C	

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
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Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	NO	NO	NO	YES	NO	YES

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: DJR OPERATING LLC

Signed By: SHAW-MARIE FORD

Title: Regulatory Specialist

Signed on: 12/27/2021

Street Address: 1 Road 3263

City: Aztec

State: NM

Zip: 87410

Phone: (505)632-3476

Email address: sford@djrlc.com

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

BLM Notice of Acceptance for Well Completion Report received on 01/05/2022 9:02am

Attachments

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 406H	US Well Number 3004538213
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406H_As_Drilled_Directional_Certified_Survey_20211227120341.pdf

NAU_406H_WBD_20211227120400.pdf

NAU_406H_ASDRILLED_Rev1_20211227120401.pdf

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) 334-8178 Fax: (505) 334-8170

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

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ ASDRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-043-38213	² Pool Code 98174	³ Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL
⁴ Property Code 325267	⁵ Property Name NORTH ALAMITO UNIT	⁶ Well Number #406H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6917'

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
I	1	22N	8W		2046'	SOUTH	536'	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
H	7	22N	7W		2283'	NORTH	88'	EAST	SANDOVAL

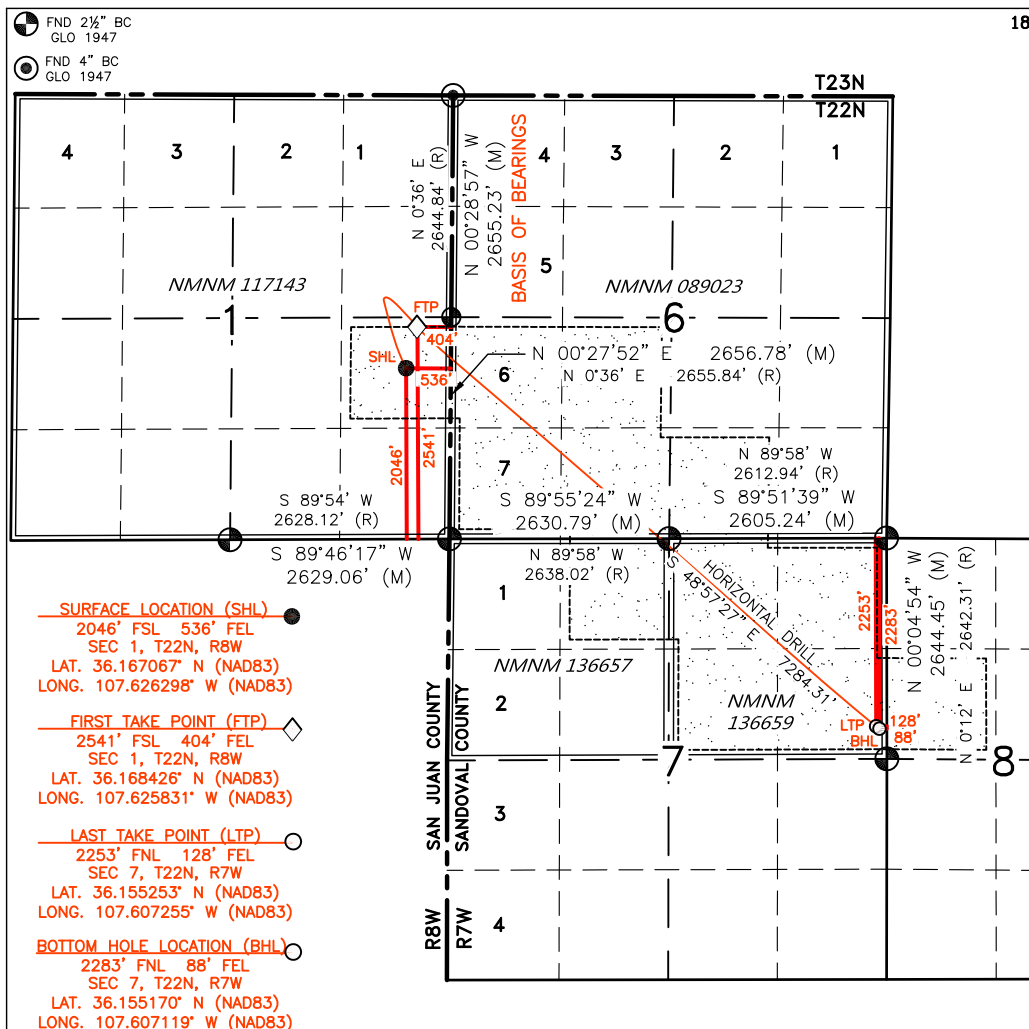
¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 1: NE/SE (40 AC.); SEC 6: SW/4, SW/SE
(201.49 AC.); SEC 7: NE/NW, NE/4 (200 AC.);
SEC 8: SW/NW (40 AC.) = 481.49 ACRES

¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

R-14081 R-14081A

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 12/21/21
Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

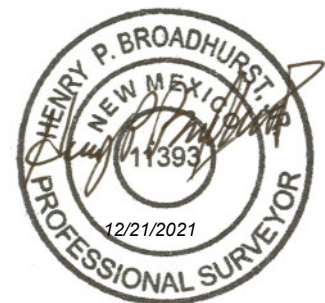
SURVEYOR CERTIFICATION

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.

NOVEMBER 3, 2021

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

11393



DJR Operating

North Alamito Unit

I01 2208

406H - Slot 2

Original Drilling

Design: Original Drilling

Standard Survey Report

02 November, 2021



www.scientificdrilling.com



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 406H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 406H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Project	North Alamito 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		I01 2208			
Site Position:		Northing:	1,880,173.96 usft	Latitude:	36.16706600
From:	Lat/Long	Easting:	2,784,180.65 usft	Longitude:	-107.62636600
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.12 °

Well		# 406H - Slot 2				
Well Position	+N/-S	0 ft	Northing:	1,880,174.37 usft	Latitude:	36.16706700
	+E/-W	0 ft	Easting:	2,784,200.72 usft	Longitude:	-107.62629800
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6917 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	10/20/2021	8.55	62.68	49,103.50000000

Design	Original Drilling				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0	0	0	127.42	

Survey Program	Date	11/2/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
509	4453	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4548	5299	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5358	12,697	Survey #3 - Lateral MWD Survey (Original)	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 (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00	
509	2.04	324.78	509	7	-5	-9	0.40	0.40	0.00	
600	3.60	342.66	600	11	-7	-13	1.95	1.71	19.65	
691	5.94	342.11	690	19	-9	-19	2.57	2.57	-0.60	
782	7.88	335.93	781	29	-13	-28	2.28	2.13	-6.79	
873	7.92	342.05	871	40	-18	-39	0.92	0.04	6.73	
962	9.87	344.24	959	54	-22	-50	2.22	2.19	2.46	
1054	9.60	342.54	1050	69	-26	-62	0.43	-0.29	-1.85	
1145	8.66	345.54	1139	82	-30	-74	1.16	-1.03	3.30	



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 406H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 406H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1236	9.48	348.09	1229	96	-33	-85	1.00	0.90	2.80
1327	10.69	346.33	1319	112	-37	-97	1.37	1.33	-1.93
1418	10.81	346.74	1408	128	-41	-111	0.16	0.13	0.45
1509	10.37	340.64	1498	144	-46	-124	1.32	-0.48	-6.70
1599	12.24	335.24	1586	161	-52	-139	2.39	2.08	-6.00
1689	11.01	325.10	1674	177	-61	-156	2.64	-1.37	-11.27
1781	14.10	327.53	1764	193	-72	-175	3.41	3.36	2.64
1876	14.02	321.88	1856	212	-86	-197	1.45	-0.08	-5.95
1970	13.46	319.89	1947	229	-100	-218	0.78	-0.60	-2.12
2065	15.19	322.58	2039	248	-114	-241	1.95	1.82	2.83
2160	14.74	328.96	2131	268	-128	-265	1.80	-0.47	6.72
2255	15.31	333.01	2223	289	-140	-287	1.26	0.60	4.26
2350	15.71	333.89	2314	312	-151	-310	0.49	0.42	0.93
2444	16.40	338.20	2405	336	-162	-333	1.46	0.73	4.59
2539	17.27	337.98	2496	361	-172	-356	0.92	0.92	-0.23
2634	17.22	345.15	2586	388	-181	-380	2.24	-0.05	7.55
2729	17.86	342.77	2677	416	-189	-403	1.01	0.67	-2.51
2824	16.91	339.44	2768	442	-198	-426	1.45	-1.00	-3.51
2918	15.78	344.42	2858	468	-206	-448	1.91	-1.20	5.30
3013	14.89	342.90	2950	492	-213	-468	1.03	-0.94	-1.60
3108	15.98	348.68	3041	516	-220	-488	1.98	1.15	6.08
3203	15.43	347.22	3133	541	-225	-508	0.71	-0.58	-1.54
3298	14.98	347.04	3224	566	-231	-527	0.48	-0.47	-0.19
3393	15.00	349.43	3316	590	-236	-545	0.65	0.02	2.52
3487	17.28	353.29	3406	615	-239	-564	2.68	2.43	4.11
3582	15.95	353.10	3497	642	-243	-583	1.40	-1.40	-0.20
3676	16.09	353.40	3588	668	-246	-601	0.17	0.15	0.32
3771	17.34	353.59	3679	695	-249	-620	1.32	1.32	0.20
3866	16.54	355.30	3770	723	-251	-639	0.99	-0.84	1.80
3961	17.58	351.43	3860	751	-255	-658	1.62	1.09	-4.07
4055	15.18	351.32	3951	777	-259	-677	2.55	-2.55	-0.12
4150	11.95	351.33	4043	799	-262	-693	3.40	-3.40	0.01
4169	11.78	350.35	4061	803	-263	-696	1.39	-0.89	-5.16
4264	12.04	338.86	4154	821	-268	-712	2.51	0.27	-12.09
4359	10.34	36.13	4248	838	-266	-721	11.34	-1.79	60.28
4453	11.47	80.70	4340	846	-252	-714	8.82	1.20	47.41
4548	15.01	102.06	4433	845	-231	-697	6.30	3.73	22.48
4643	18.53	112.00	4524	837	-205	-671	4.77	3.71	10.46
4738	22.46	128.62	4613	820	-177	-638	7.35	4.14	17.49
4833	27.88	131.44	4699	794	-146	-598	5.84	5.71	2.97
4928	35.20	134.98	4780	760	-110	-549	7.95	7.71	3.73
5023	45.13	135.76	4852	716	-67	-488	10.47	10.45	0.82
5118	56.98	137.68	4912	662	-16	-415	12.57	12.47	2.02



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 406H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 406H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5213	69.01	138.98	4955	599	40	-332	12.72	12.66	1.37	
5245	73.69	136.78	4965	577	60	-302	16.01	14.63	-6.88	
5276	79.05	135.82	4972	555	81	-273	17.55	17.29	-3.10	
5299	83.28	136.17	4976	538	97	-250	18.45	18.39	1.52	
5358	90.57	138.19	4979	495	137	-192	12.82	12.36	3.42	
5453	93.16	136.29	4976	426	201	-99	3.38	2.73	-2.00	
5546	93.63	135.70	4971	359	266	-7	0.81	0.51	-0.63	
5641	94.55	135.38	4964	291	332	87	1.03	0.97	-0.34	
5734	92.99	133.61	4958	226	398	179	2.53	-1.68	-1.90	
5829	90.17	130.95	4955	162	469	274	4.08	-2.97	-2.80	
5923	90.71	131.43	4954	100	539	367	0.77	0.57	0.51	
6015	90.34	130.80	4954	40	609	459	0.79	-0.40	-0.68	
6111	89.56	127.73	4954	-21	683	555	3.30	-0.81	-3.20	
6205	90.47	129.17	4954	-79	757	649	1.81	0.97	1.53	
6300	92.19	130.45	4951	-140	830	744	2.26	1.81	1.35	
6394	92.86	129.61	4947	-201	901	838	1.14	0.71	-0.89	
6488	91.41	131.06	4944	-261	973	932	2.18	-1.54	1.54	
6582	90.47	127.72	4942	-321	1046	1026	3.69	-1.00	-3.55	
6677	89.76	127.27	4942	-379	1121	1121	0.88	-0.75	-0.47	
6772	89.56	129.17	4943	-438	1196	1216	2.01	-0.21	2.00	
6866	90.00	130.37	4943	-498	1268	1309	1.36	0.47	1.28	
6961	89.39	129.31	4943	-559	1341	1404	1.29	-0.64	-1.12	
7055	89.90	129.25	4944	-618	1414	1498	0.55	0.54	-0.06	
7150	90.54	127.36	4944	-677	1488	1593	2.10	0.67	-1.99	
7244	90.27	130.36	4943	-736	1561	1687	3.20	-0.29	3.19	
7339	91.18	131.57	4942	-798	1633	1782	1.59	0.96	1.27	
7433	89.56	132.34	4941	-861	1703	1876	1.91	-1.72	0.82	
7527	89.73	131.81	4942	-924	1773	1969	0.59	0.18	-0.56	
7621	89.90	130.53	4942	-986	1844	2063	1.37	0.18	-1.36	
7715	90.13	131.29	4942	-1047	1915	2157	0.84	0.24	0.81	
7809	89.03	132.55	4943	-1110	1985	2251	1.78	-1.17	1.34	
7903	89.60	132.92	4944	-1174	2054	2344	0.72	0.61	0.39	
7998	90.27	132.83	4944	-1239	2123	2439	0.71	0.71	-0.09	
8089	90.34	132.72	4943	-1300	2190	2530	0.14	0.08	-0.12	
8180	89.43	131.30	4944	-1361	2258	2620	1.85	-1.00	-1.56	
8271	90.37	130.12	4944	-1421	2327	2711	1.66	1.03	-1.30	
8362	88.89	130.46	4944	-1480	2396	2802	1.67	-1.63	0.37	
8453	89.43	131.30	4946	-1539	2465	2893	1.10	0.59	0.92	
8543	88.32	130.95	4947	-1598	2533	2983	1.29	-1.23	-0.39	
8634	88.69	131.06	4950	-1658	2601	3073	0.42	0.41	0.12	
8725	89.46	129.99	4951	-1717	2670	3164	1.45	0.85	-1.18	
8816	89.87	131.78	4952	-1777	2739	3255	2.02	0.45	1.97	
8907	90.94	130.95	4951	-1837	2807	3346	1.49	1.18	-0.91	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 406H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 406H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8997	89.73	131.26	4951	-1896	2875	3436	1.39	-1.34	0.34
9088	91.95	131.35	4949	-1956	2944	3526	2.44	2.44	0.10
9178	90.94	130.60	4947	-2015	3012	3616	1.40	-1.12	-0.83
9269	89.83	130.93	4946	-2074	3080	3707	1.27	-1.22	0.36
9361	89.36	130.14	4947	-2134	3150	3799	1.00	-0.51	-0.86
9451	90.30	129.69	4947	-2192	3219	3889	1.16	1.04	-0.50
9542	89.50	130.52	4948	-2251	3289	3980	1.27	-0.88	0.91
9634	89.53	132.16	4948	-2311	3358	4071	1.78	0.03	1.78
9724	88.25	131.01	4950	-2371	3425	4161	1.91	-1.42	-1.28
9814	89.36	130.93	4952	-2430	3493	4251	1.24	1.23	-0.09
9905	90.77	130.64	4952	-2489	3562	4342	1.58	1.55	-0.32
9995	90.37	131.48	4951	-2549	3630	4432	1.03	-0.44	0.93
10,084	89.06	130.43	4951	-2607	3697	4521	1.89	-1.47	-1.18
10,175	89.87	130.53	4952	-2666	3767	4611	0.90	0.89	0.11
10,266	89.40	132.31	4953	-2726	3835	4702	2.02	-0.52	1.96
10,357	88.65	132.23	4954	-2787	3902	4793	0.83	-0.82	-0.09
10,448	90.44	132.11	4955	-2848	3970	4883	1.97	1.97	-0.13
10,540	91.65	131.84	4953	-2910	4038	4975	1.35	1.32	-0.29
10,631	91.35	132.32	4951	-2971	4105	5066	0.62	-0.33	0.53
10,722	88.32	131.88	4951	-3032	4173	5157	3.36	-3.33	-0.48
10,813	89.23	131.18	4953	-3092	4241	5247	1.26	1.00	-0.77
10,904	89.06	131.53	4955	-3152	4309	5338	0.43	-0.19	0.38
10,995	89.97	131.63	4955	-3213	4377	5429	1.01	1.00	0.11
11,086	89.93	132.42	4955	-3274	4445	5520	0.87	-0.04	0.87
11,176	90.17	131.50	4955	-3334	4512	5609	1.06	0.27	-1.02
11,267	89.09	132.37	4956	-3395	4580	5700	1.52	-1.19	0.96
11,359	90.20	132.12	4957	-3457	4648	5792	1.24	1.21	-0.27
11,449	89.16	132.88	4957	-3517	4714	5881	1.43	-1.16	0.84
11,540	89.60	132.04	4958	-3579	4781	5972	1.04	0.48	-0.92
11,631	91.04	130.57	4958	-3639	4850	6063	2.26	1.58	-1.62
11,723	88.66	130.09	4958	-3698	4920	6155	2.64	-2.59	-0.52
11,815	89.16	130.03	4960	-3758	4990	6246	0.55	0.54	-0.07
11,905	90.07	129.05	4960	-3815	5059	6336	1.49	1.01	-1.09
11,996	90.37	130.46	4960	-3873	5129	6427	1.58	0.33	1.55
12,088	91.65	130.26	4958	-3933	5200	6519	1.41	1.39	-0.22
12,178	91.18	130.87	4956	-3991	5268	6609	0.86	-0.52	0.68
12,269	90.10	130.56	4955	-4051	5337	6700	1.23	-1.19	-0.34
12,361	90.10	128.73	4955	-4109	5408	6792	1.99	0.00	-1.99
12,451	89.76	129.03	4955	-4166	5478	6882	0.50	-0.38	0.33
12,543	89.76	128.73	4955	-4223	5549	6974	0.33	0.00	-0.33
12,634	91.75	127.81	4954	-4280	5621	7065	2.41	2.19	-1.01
12,647	92.05	127.79	4954	-4288	5631	7078	2.31	2.31	-0.15
12,697	92.05	127.79	4952	-4318	5671	7128	0.00	0.00	0.00



Scientific Drilling

Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 406H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Site:	I01 2208	MD Reference:	GL 6917' & RKB 25' @ 6942ft (Aztec 1000)
Well:	# 406H	North Reference:	True
Wellbore:	Original Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Original Drilling	Database:	Grand Junction

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
406H Toe	0.00	0.00	4944	-4340	5672	1,875,846.76	2,789,882.33	36.15514380	-107.60708320
- actual wellpath misses target center by 23ft at 12697ft MD (4952 TVD, -4318 N, 5671 E)									
- Circle (radius 100)									
406H 85° Casing	0.00	0.00	4948	506	182	1,880,680.92	2,784,381.42	36.16845749	-107.62568214
- actual wellpath misses target center by 51ft at 5382ft MD (4979 TVD, 478 N, 153 E)									
- Point									
406H Heel	0.00	0.00	4963	345	373	1,880,520.44	2,784,573.07	36.16801550	-107.62503400
- actual wellpath misses target center by 67ft at 5631ft MD (4965 TVD, 298 N, 325 E)									
- Circle (radius 50)									

Design Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
509	509	7	-5	First Surface MWD Survey
4453	4340	846	-252	Last Surface MWD Survey
4548	4433	845	-231	First Curve MWD Survey
5299	4976	538	97	Last Curve MWD Survey
5358	4979	495	137	First Lateral MWD Survey
12,647	4954	-4288	5631	Last Lateral MWD Survey
12,697	4952	-4318	5671	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

**Directional Survey Certification**

7237 Barton Drive
Casper, WY 82604
(307) 472-6621

Operator	DJR Energy
Well Name & No.	North Alamito Unit I01 2208 406H
County & State	San Juan, NM
SDI Job No.	OP.030944
Rig	Aztec 1000

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 509 feet to a measured depth of 12,697 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

2-Nov-21

Date

Janie Collins
Contract Well Planner
Scientific Drilling International



North Alamito Unit 406H

API: 30-045-38213

SHL: 2046' FSL x 536' FEL

ULSTR: I-01-22N-08W

Lat: 36.167067 Long: -107.626298

BHL: 2283' FNL x 88' FEL

ULSTR: H-07-22N-07W

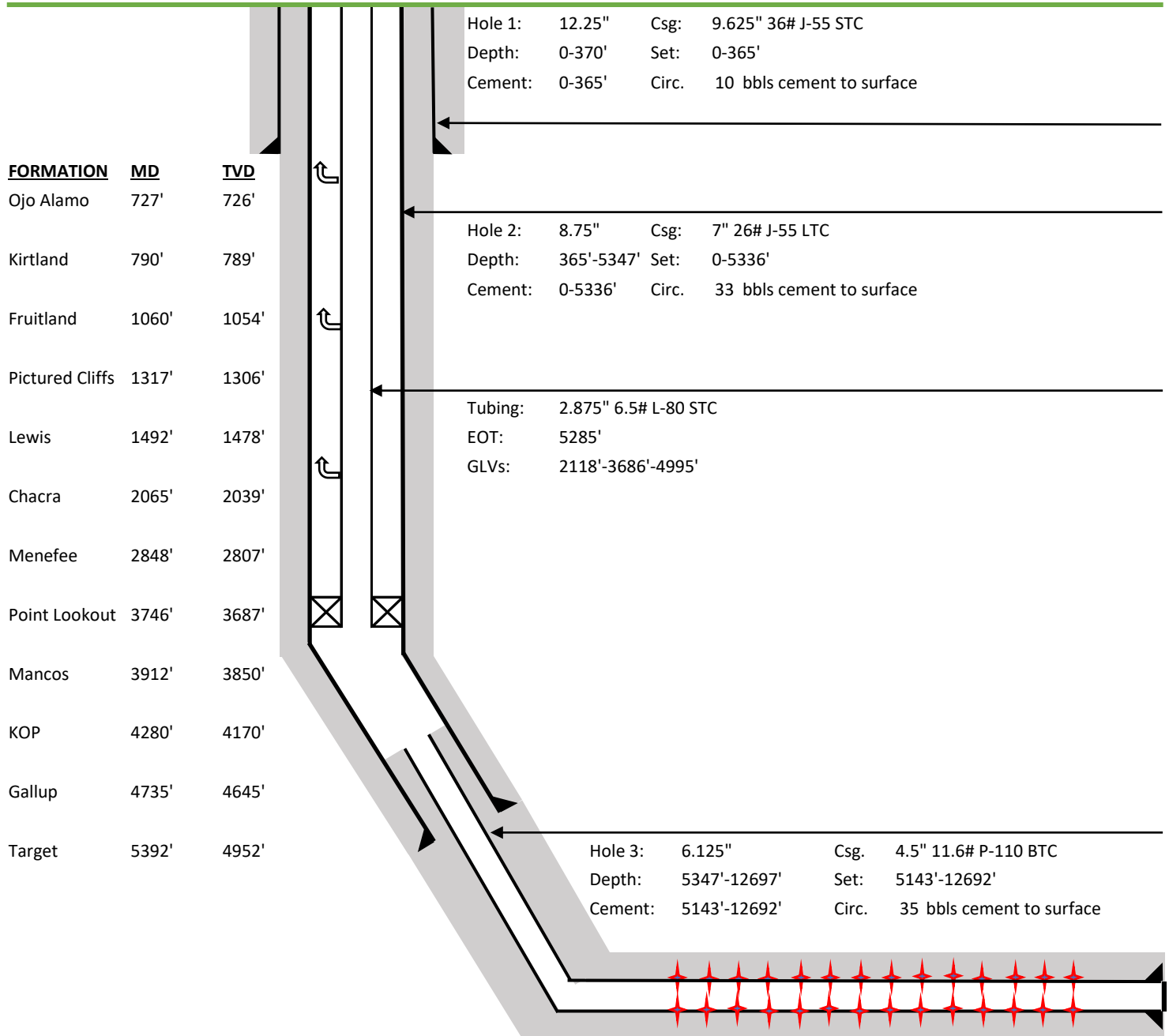
Lat: 36.15517 Long: -107.607119

Elevation: 6917' GL

Spud Date: 6/7/2021

Completed: 11/27/2021

Current Wellbore



Perf:	24 Stages	Frac:	24 Stages	12697' MD
3 spf.	.35" diameter	51,207	bbls of fluid	4951' TVD
Depth:	5584'-12622' MD	94,494,791	scf of N2	PBTD: 12678' MD
	4941'-4967' TVD	9,947,220	lbs of proppant	FracSleeve: 12651' MD

created by sford 12/14/21

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 143819

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 143819
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☐	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.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 143819

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 143819
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/15/2025