

Santa Fe Main Office Phone: (505) 476-3441 Fax: (505) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Section 1 - Operator and Well Information

Submittal Type: ☐ Test Allowable (C-104RT) ☒ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: DJR OPERATING LLC	OGRID: 371838
Property Name and Well Number: N ALAMITO UNIT 320H	Property Code: 325267
Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	API Number: 30-043-21509
Pool Name: N ALAMITO UNIT MANCOS OIL	Pool Code: 98174

Section 2 – Surface Location

UL D	Section 29	Township 23N	Range 7W	Lot	Ft. from N/S 1161' NORTH	Ft. from E/W 800' EAST	Latitude 36.201995	Longitude -107.603835	County SANDOVAL
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Section 3 – Completion Information

Producing Method FLOWING	Ready Date 7/24/2024	Perforations MD 5342' – 10352'	Perforations TVD 5125' – 5170'
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Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW): 352851	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 178349	Unit: ☒ Yes ☐ No, Order No. R-14081 / R-14081A
Intermediate 1 Casing Action ID: 181930	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 189215	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: 189215	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): N	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this well's 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.	
Name Shaw-Marie Ford	
Title Regulatory Specialist	Date 10/8/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal ☐ Amended Report ☒ As Drilled

WELL LOCATION INFORMATION

API Number 30-043-21509	Pool Code 98174	Pool Name NORTH ALAMITO UNIT MANCOS OIL POOL
Property Code 325267	Property Name NORTH ALAMITO UNIT	Well Number 320H
OGRID No. 371838	Operator Name DJR OPERATING, LLC	Ground Level Elevation 6902'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location (SHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
D	29	23N	7W		1161' NORTH	800' WEST	36.201995° N	107.603835° W	SANDOVAL

Bottom Hole Location (BHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
I	29	23N	7W		1380' SOUTH	127' EAST	36.194352° N	107.589269° W	SANDOVAL

Dedicated Acres SEC 29: NW/NW, NE/NW, SE/NW, SW/NE, SE/NE, NW/SE, NE/SE & SE/SE (320 AC.); SEC 28: NW/SW (40 AC.) = 360 ACRES	PENETRATED SPACING UNIT:	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
				N	Unit
Order Numbers: R-14081 R-14081A		Well Setbacks are under Common Ownership: ☐ Yes ☐ No			

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
D	29	23N	7W		496' NORTH	966' WEST	36.203821° N	107.603279° W	SANDOVAL

Fist Take Point (FTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
C	29	23N	7W		804' NORTH	1345' WEST	36.202980° N	107.601993° W	SANDOVAL

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
I	29	23N	7W		1419' SOUTH	178' EAST	36.194460° N	107.589444° W	SANDOVAL

Unitized Area or Area of Uniform Interest NORTH ALAMITO	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, **and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.**

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Shaw-Marie Ford
Signature

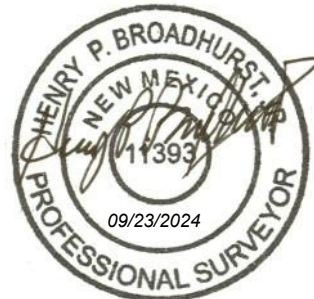
9/24/2024
Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

SURVEYOR CERTIFICATIONS

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.



Signature and Seal of Professional Surveyor:

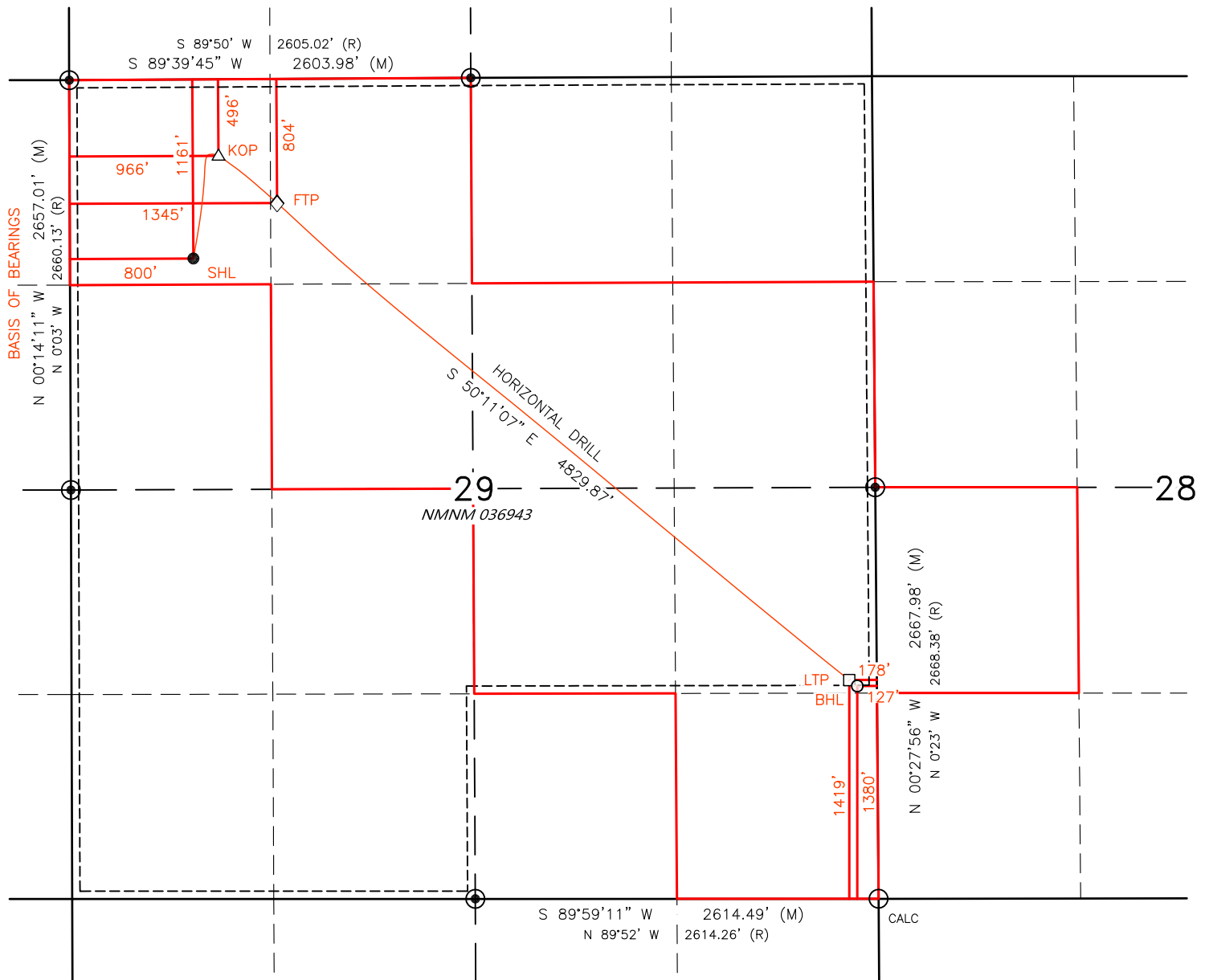
Certificate Number

11393

Date of Survey

FEBRUARY 17, 2023

Note: 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.

FND 2 1/2 BC
GLO 1948

SURFACE LOCATION (SHL) ●
1161' FNL 800' FWL
SEC. 29, T23N, R7W
LAT. 36.201995° N (NAD83)
LONG. 107.603835° W (NAD83)

FIRST TAKE POINT (FTP) ◇
804' FNL 1345' FWL
SEC. 29, T23N, R7W
LAT. 36.202980° N (NAD83)
LONG. 107.601993° W (NAD83)

BOTTOM HOLE LOCATION (BHL) ○
1380' FSL 127' FEL
SEC. 29, T23N, R7W
LAT. 36.194352° N (NAD83)
LONG. 107.589269° W (NAD83)

KICK OFF POINT (KOP) △
496' FNL 966' FWL
SEC. 29, T23N, R7W
LAT. 36.203821° N (NAD83)
LONG. 107.603279° W (NAD83)

LAST TAKE POINT (LTP) □
1419' FSL 178' FEL
SEC. 29, T23N, R7W
LAT. 36.194460° N (NAD83)
LONG. 107.589444° W (NAD83)



DJR
North Alamito
D29 2307
320H

End of Well Report



www.scientificdrilling.com



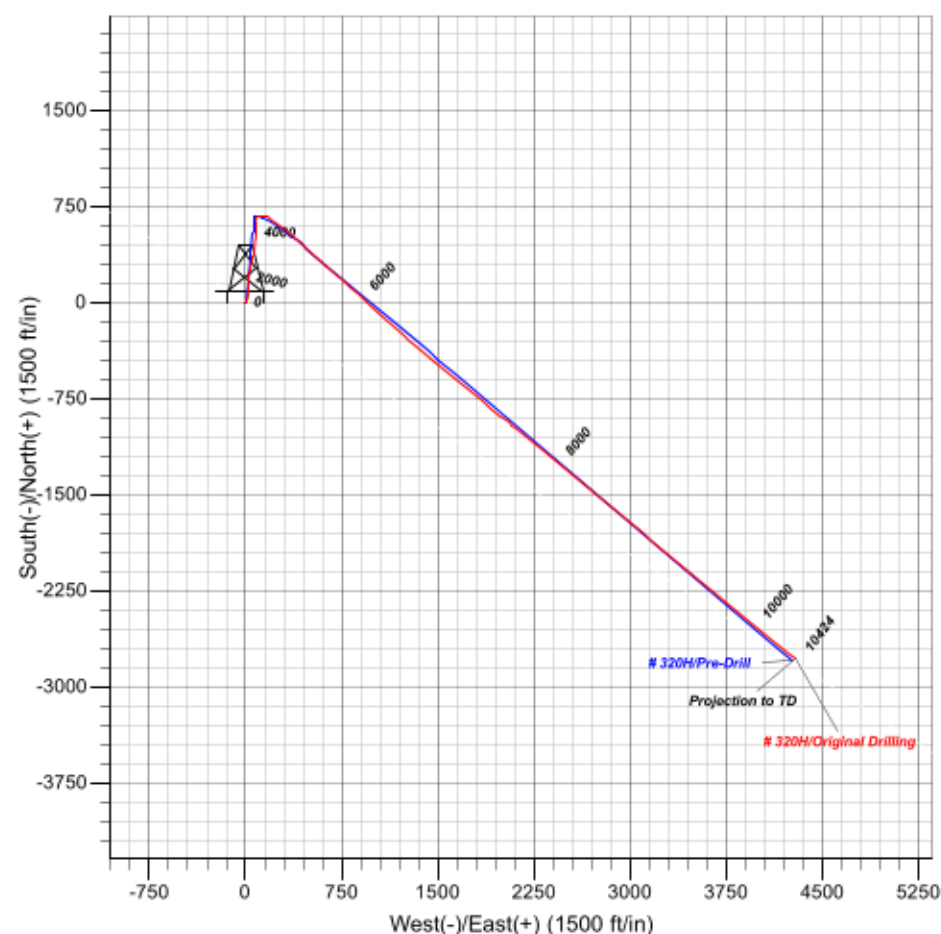
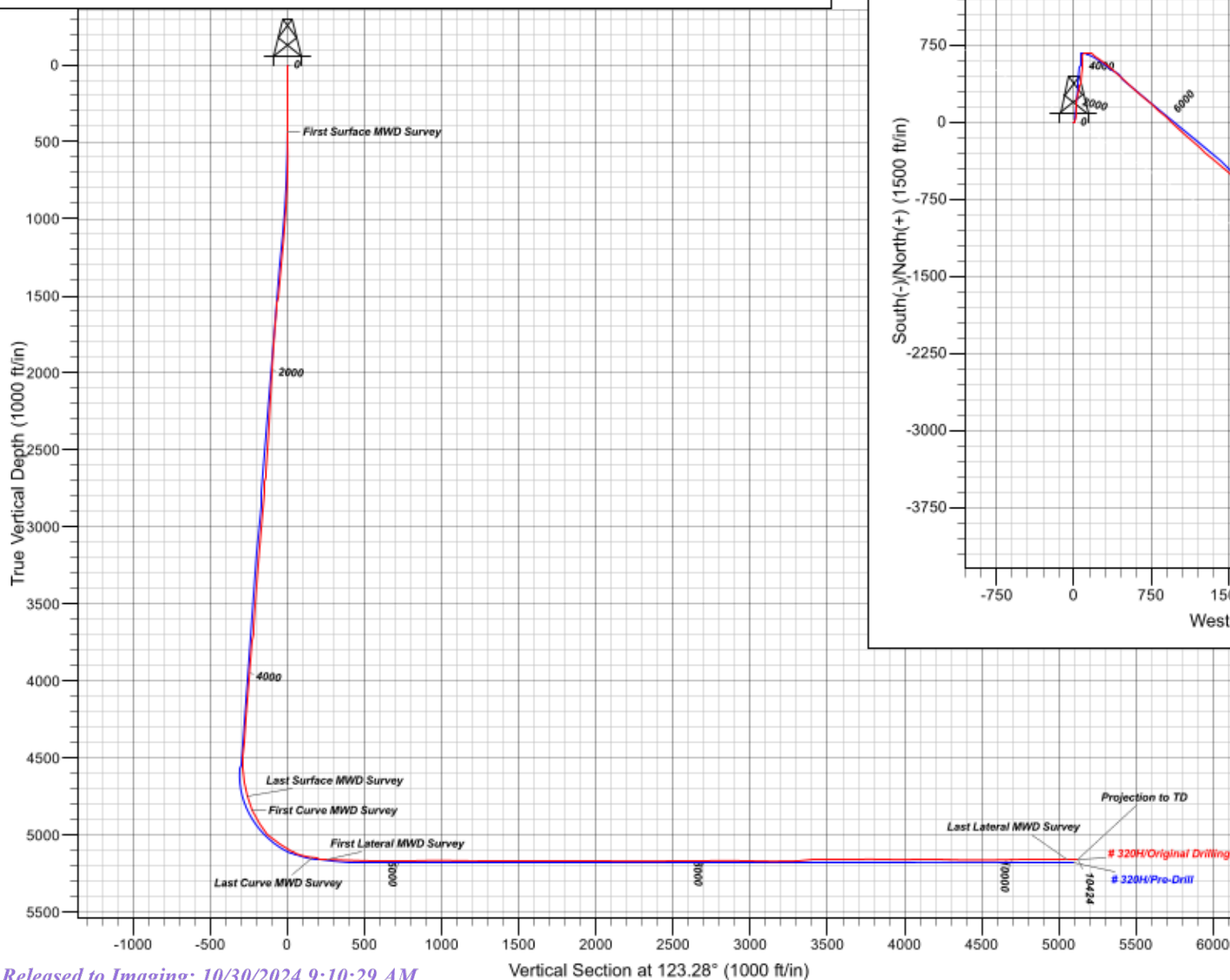
Company Name: DJR Operating
 Project: North Alamito Unit
 Site: D29 2307 Pad
 Well: # 320H
 Wellbore: Original Drilling



WELL DETAILS: # 320H

+N/-S	+E/-W	North	East	Latitude	Longitude
0	0	1892903.76	2790800.90	36.20199500	-107.60383500

2



Design: Original Drilling (# 320H/Original Drilling)

Created By: Janie Collins Date: 17:22, February 15 2023

PROJECT DETAILS: North Alamito Unit

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone

System Datum: Mean Sea Level
 Local North: True



DJR Operating

North Alamito Unit

D29 2307 Pad

320H - Slot 2

Original Drilling

Design: Original Drilling

Standard Survey Report

15 February, 2023



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Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 320H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Site:	D29 2307 Pad	MD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Well:	# 320H	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	D29 2307 Pad				
Site Position:		Northing:	1,892,894.34 usft	Latitude:	36.20196900
From:	Lat/Long	Easting:	2,790,818.63 usft	Longitude:	-107.60377500
Position Uncertainty:	0 ft	Slot Radius:	13.20 in	Grid Convergence:	0.14 °

Well	# 320H - Slot 2					
Well Position	+N/-S	0 ft	Northing:	1,892,903.76 usft	Latitude:	36.20199500
	+E/-W	0 ft	Easting:	2,790,800.90 usft	Longitude:	-107.60383500
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6902 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2023	2/8/2023	8.42	62.65	48,995.80000000

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	123.28	

Survey Program	Date	2/15/2023			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
436	4815	Survey #1 - Surface MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
4910	5426	Survey #2 - Curve MWD Survey (Original)	MWD+HDGM	OWSG MWD + HDGM	
5527	10,424	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	
436	0.10	230.27	436	0	0	0	0.02	0.02	0.00	
526	3.52	42.14	526	2	2	0	4.02	3.80	190.97	
616	5.09	29.79	616	7	5	0	2.02	1.74	-13.72	
708	5.89	19.02	707	15	9	-1	1.41	0.87	-11.71	
799	8.00	18.30	798	26	12	-4	2.32	2.32	-0.79	
890	10.01	16.92	887	39	17	-8	2.22	2.21	-1.52	
981	10.20	8.51	977	55	20	-13	1.63	0.21	-9.24	
1072	11.61	3.92	1066	72	22	-21	1.82	1.55	-5.04	



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 320H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Site:	D29 2307 Pad	MD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Well:	# 320H	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)
1163	11.30	2.38	1156	90	23	-30	0.48	-0.34	-1.69
1253	10.78	0.58	1244	107	23	-39	0.69	-0.58	-2.00
1343	10.74	6.12	1332	124	24	-48	1.15	-0.04	6.16
1435	9.97	2.74	1423	140	26	-56	1.07	-0.84	-3.67
1526	9.02	359.12	1513	155	26	-64	1.23	-1.04	-3.98
1617	10.50	7.38	1602	171	27	-71	2.24	1.63	9.08
1706	9.99	4.25	1690	187	29	-78	0.85	-0.57	-3.52
1796	8.66	358.84	1779	201	29	-86	1.77	-1.48	-6.01
1887	9.27	8.00	1869	215	30	-93	1.70	0.67	10.07
1982	9.45	14.04	1962	230	33	-99	1.05	0.19	6.36
2077	8.96	12.43	2056	245	36	-104	0.58	-0.52	-1.69
2172	10.23	14.86	2150	261	40	-109	1.40	1.34	2.56
2267	8.74	14.83	2243	276	44	-114	1.57	-1.57	-0.03
2362	9.79	12.13	2337	291	48	-120	1.20	1.11	-2.84
2457	9.75	11.72	2431	306	51	-125	0.08	-0.04	-0.43
2551	10.17	10.18	2523	322	54	-132	0.53	0.45	-1.64
2646	9.95	8.97	2617	339	57	-138	0.32	-0.23	-1.27
2741	7.57	7.31	2711	353	59	-144	2.52	-2.51	-1.75
2835	10.38	4.15	2804	368	60	-151	3.03	2.99	-3.36
2931	8.90	2.62	2898	384	61	-159	1.56	-1.54	-1.59
3025	10.21	4.53	2991	399	62	-167	1.43	1.39	2.03
3120	9.21	2.54	3085	415	63	-175	1.11	-1.05	-2.09
3215	10.16	6.03	3178	431	64	-183	1.18	1.00	3.67
3310	8.93	5.85	3272	447	66	-190	1.30	-1.29	-0.19
3405	11.32	9.66	3366	463	68	-197	2.61	2.52	4.01
3499	10.75	9.83	3458	481	71	-204	0.61	-0.61	0.18
3595	9.26	8.71	3552	497	74	-211	1.57	-1.55	-1.17
3690	10.86	8.61	3646	514	77	-218	1.68	1.68	-0.11
3785	9.16	6.28	3739	530	79	-225	1.84	-1.79	-2.45
3880	10.65	5.34	3833	546	80	-233	1.58	1.57	-0.99
3975	9.22	1.80	3927	563	82	-241	1.64	-1.51	-3.73
4069	11.79	2.34	4019	580	82	-250	2.74	2.73	0.57
4164	9.37	359.50	4112	597	82	-259	2.61	-2.55	-2.99
4259	10.59	3.26	4206	614	83	-267	1.46	1.28	3.96
4354	7.06	359.59	4300	628	83	-275	3.76	-3.72	-3.86
4449	8.60	3.01	4394	641	84	-282	1.69	1.62	3.60
4544	8.23	15.35	4488	655	86	-288	1.94	-0.39	12.99
4626	7.89	31.86	4569	665	90	-290	2.84	-0.41	20.13
4721	18.68	76.71	4662	674	109	-279	14.93	11.36	47.21
4815	17.60	99.61	4751	676	137	-256	7.62	-1.15	24.36
4910	21.86	118.84	4841	665	167	-225	8.12	4.48	20.24
5005	31.41	128.48	4925	641	202	-183	11.00	10.05	10.15
5100	42.68	124.63	5001	607	248	-126	12.11	11.86	-4.05



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 320H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Site:	D29 2307 Pad	MD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Well:	# 320H	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)
5195	57.29	125.51	5062	565	307	-53	15.40	15.38	0.93
5290	66.49	130.84	5107	513	373	30	10.87	9.68	5.61
5384	74.41	133.63	5138	454	439	118	8.88	8.43	2.97
5426	81.77	132.39	5147	426	469	158	17.76	17.52	-2.95
5527	87.49	131.30	5156	359	544	258	5.76	5.66	-1.08
5618	87.68	130.72	5160	299	612	348	0.67	0.21	-0.64
5708	87.55	130.98	5164	240	680	437	0.32	-0.14	0.29
5799	88.32	130.78	5167	181	749	527	0.87	0.85	-0.22
5890	90.27	131.41	5168	121	818	617	2.25	2.14	0.69
5981	91.71	131.40	5167	61	886	707	1.58	1.58	-0.01
6072	91.41	133.94	5164	-1	953	797	2.81	-0.33	2.79
6162	91.21	134.37	5162	-64	1017	885	0.53	-0.22	0.48
6253	88.56	133.95	5162	-127	1082	975	2.95	-2.91	-0.46
6344	88.52	132.35	5165	-189	1149	1064	1.76	-0.04	-1.76
6434	87.79	130.25	5168	-249	1216	1153	2.47	-0.81	-2.33
6525	89.46	129.55	5170	-307	1286	1244	1.99	1.84	-0.77
6616	89.93	129.82	5170	-365	1356	1334	0.60	0.52	0.30
6708	90.54	130.82	5170	-425	1426	1425	1.27	0.66	1.09
6798	90.34	130.14	5169	-483	1495	1515	0.79	-0.22	-0.76
6888	90.00	129.60	5169	-541	1564	1604	0.71	-0.38	-0.60
6979	90.10	129.31	5169	-599	1634	1695	0.34	0.11	-0.32
7070	90.00	129.24	5169	-656	1705	1785	0.13	-0.11	-0.08
7162	90.10	129.03	5169	-714	1776	1877	0.25	0.11	-0.23
7252	90.13	129.03	5168	-771	1846	1966	0.03	0.03	0.00
7341	90.34	128.57	5168	-827	1915	2055	0.57	0.24	-0.52
7431	90.10	127.90	5168	-882	1986	2144	0.79	-0.27	-0.74
7521	90.17	127.45	5168	-937	2057	2234	0.51	0.08	-0.50
7611	91.28	129.20	5166	-993	2128	2324	2.30	1.23	1.94
7701	90.91	129.42	5165	-1050	2197	2413	0.48	-0.41	0.24
7791	89.73	129.58	5164	-1107	2267	2503	1.32	-1.31	0.18
7882	89.09	129.16	5165	-1165	2337	2593	0.84	-0.70	-0.46
7974	90.47	130.22	5165	-1224	2408	2685	1.89	1.50	1.15
8065	90.91	130.91	5164	-1283	2477	2775	0.90	0.48	0.76
8154	89.73	130.34	5164	-1341	2545	2863	1.47	-1.33	-0.64
8245	88.89	130.15	5165	-1400	2614	2954	0.95	-0.92	-0.21
8336	89.70	129.52	5166	-1458	2684	3044	1.13	0.89	-0.69
8427	90.94	130.92	5166	-1517	2753	3134	2.06	1.36	1.54
8519	90.27	130.13	5165	-1577	2823	3225	1.13	-0.73	-0.86
8610	90.81	129.24	5164	-1635	2893	3316	1.14	0.59	-0.98
8701	91.64	129.29	5162	-1692	2964	3406	0.91	0.91	0.05
8792	91.58	129.17	5159	-1750	3034	3497	0.15	-0.07	-0.13
8881	91.51	129.23	5157	-1806	3103	3585	0.10	-0.08	0.07
8973	90.81	130.42	5155	-1865	3174	3677	1.50	-0.76	1.29



Scientific Drilling Survey Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 320H - Slot 2
Project:	North Alamito Unit	TVD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Site:	D29 2307 Pad	MD Reference:	GL 6902' & RKB 26' @ 6928ft (H&P 443)
Well:	# 320H	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)	
9064	90.30	130.27	5154	-1924	3243	3767	0.58	-0.56	-0.16	
9154	89.23	129.01	5155	-1981	3313	3856	1.84	-1.19	-1.40	
9245	90.23	128.71	5155	-2038	3383	3947	1.15	1.10	-0.33	
9336	90.44	130.82	5154	-2097	3453	4037	2.33	0.23	2.32	
9429	88.99	129.90	5155	-2157	3524	4130	1.85	-1.56	-0.99	
9520	88.99	129.64	5156	-2215	3594	4220	0.29	0.00	-0.29	
9611	89.03	129.42	5158	-2273	3664	4311	0.25	0.04	-0.24	
9705	88.69	128.74	5160	-2332	3737	4404	0.81	-0.36	-0.72	
9799	89.97	129.35	5161	-2391	3810	4498	1.51	1.36	0.65	
9893	91.07	130.42	5160	-2452	3882	4591	1.63	1.17	1.14	
9988	90.97	130.07	5158	-2513	3955	4685	0.38	-0.11	-0.37	
10,081	90.44	129.32	5157	-2572	4026	4778	0.99	-0.57	-0.81	
10,174	89.83	127.92	5157	-2630	4099	4870	1.64	-0.66	-1.51	
10,269	89.56	127.19	5158	-2688	4174	4965	0.82	-0.28	-0.77	
10,359	89.73	127.12	5158	-2743	4246	5055	0.20	0.19	-0.08	
10,424	89.73	127.12	5158	-2782	4298	5120	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
320H 85° Casing	0.00	0.00	5160	400	500	1,893,304.91	2,791,299.63	36.20309373	-107.60214136	
- hit/miss target										
- Shape										
- actual wellpath misses target center by 8ft at 5467ft MD (5152 TVD, 398 N, 499 E)										
- Point										
320H Heel Rev 1	0.00	0.00	5175	257	678	1,893,162.34	2,791,478.51	36.20270090	-107.60153620	
- actual wellpath misses target center by 16ft at 5696ft MD (5163 TVD, 248 N, 671 E)										
- Circle (radius 50)										
320H Toe Rev 1	0.00	0.00	5180	-2797	4262	1,890,117.06	2,795,069.20	36.19431110	-107.58939160	
- actual wellpath misses target center by 40ft at 10404ft MD (5158 TVD, -2770 N, 4282 E)										
- Circle (radius 100)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
436	436	0	0	First Surface MWD Survey	
4815	4751	676	137	Last Surface MWD Survey	
4910	4841	665	167	First Curve MWD Survey	
5426	5147	426	469	Last Curve MWD Survey	
5527	5156	359	544	First Lateral MWD Survey	
10,359	5158	-2743	4246	Last Lateral MWD Survey	
10,424	5158	-2782	4298	Projection to TD	



Checked By: _____ Approved By: _____ Date: _____

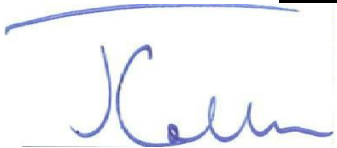
Scientific Drilling

Directional Survey Certification

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

Operator	DJR Operating
Well Name & No.	North Alamito D29 2307 320H
County & State	San Juan, NM
SDI Job No.	OP.038151
Rig	H&P 443

I, Janie Collins, having personal knowledge of all the facts, hereby
certify that the attached directional survey run from a measured depth of 436 feet to a
measured depth of 10,424 feet is true and correct as determined from all available records.

	<u>15-Feb-23</u>
Signature	Date

Janie Collins
Colorado District Well Planner
Scientific Drilling International

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose	-	-	-
T. Salt				T. Nacimiento	-	-	-
B. Salt				T. Ojo Alamo	961	958	W
T. Yates				T. Kirtland	1061	1057	-
T. 7 Rivers				T. Fruitland	1249	1242	G
T. Queen				T. Pictured Cliffs	1545	1535	W
T. Grayburg				T. Lewis Shale	1661	1649	-
T. San Andres				T. Chacra	2372	2352	-
T. Glorieta				T. Cliff House	-	-	-
T. Yeso				T. Menefee	3092	3063	G
T. Paddock				T. Point Lookout	3951	3911	-
T. Blinebry				T. Mancos	4140	4098	O/G
T.Tubb				T. Gallup	4947	4876	O/G
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T. Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
T. Cherry Canyon							
T. Brushy Canyon							
T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							



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

Well Completion Print

08/01/2024

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

Section 1 - General

Well Completion Report Id: 92490**Submission Date:** 07-31-2024**BLM Office:** Farmington Field Office**User:** SHAW-MARIE FORD**Title:** Regulatory Specialist**Federal/Indian:** FEDERAL**Lease Number:** NMNM36943**Lease Acres:****Agreement in place?:** YES**Federal or Indian Agreement:** INDIAN**Agreement Number:****Agreement Name:** NORTH ALAMITO**Additional Information****Keep this Well Completion Report confidential?:** YES**APD Operator:** DJR OPERATING LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** Alamito N; Mancos (Oil)**Field Name:** BASIN MANCOS**Well Type:** OIL WELL**Spud Date:** 01-11-2023**Date Total Measured Depth Reached:** 02-09-2023**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
OJO ALAMAO	SANDSTONE		0	958	961	USEABLE WATER	
KIRTLAND	SHALE		-1057	1057	1061	NONE	
FRUITLAND	COAL		-1242	1242	1249	NATURAL GAS	
PICTURED CLIFFS	SANDSTONE		-1535	1535	1545	USEABLE WATER	
LEWIS	SHALE		-1649	1649	1661	NONE	
CHACRA	SANDSTONE		-2352	2352	2372	NONE	
MENEFEE	COAL, SANDSTONE		-3063	3063	3092	NATURAL GAS	
POINT LOOKOUT	SANDSTONE		-3911	3911	3951	NONE	
MANCOS	SHALE		-4098	4098	4140	NONE	
GALLUP	SILTSTONE		-4876	4876	4947	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
---------------	-----------------	-----------------	-------------	--------------	----------------------	-------------------------------	-------------------	----------------	---------------------	-----------	-------------------	----------------------	----------------------	------------------	-----------------	--------------------

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM135229A	NMNM36943	NEW		POW	07-23-2024	07-27-2024	GALLUP	5342	10352	Y	.3	750	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	64984	5075926	Chemical Disclosure Uploaded to FracFocus on 7/2/24.

Production Data

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

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)

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

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	07/29/2024	24	525	247	827	470	54/64	217		807

Well Location

Survey Type: RECTANGULAR	Survey Number:	
Datum: NAD83	Vertical Datum: NAVD88	Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/L of Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.201995	-107.603835	6902	N/A	N/A	FEDERAL	NMNM36943				1161	FNL	800	FWL	23N	7W	29	NWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.201995	-107.603835	6493	409	409	FEDERAL	NMNM36943				1161	FNL	800	FWL	23N	7W	29	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.202701	-107.601536	1744	10352	5158	FEDERAL	NMNM58878				0	FNL	0	FWL	23N	7W	28	NWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.20298	-107.601993	1777	5342	5125	FEDERAL	NMNM36943				804	FNL	1345	FWL	23N	7W	29	NENW

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	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
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.19446	-107.589444	1744	10352	5158	FEDERAL	NMNM36943				1419	FSL	178	FEL	23N	7W	29	NESE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	SANDOVAL	36.194352	-107.589269	1744	10424	5158	FEDERAL	NMNM36943	5158	10407		1380	FSL	127	FEL	23N	7W	29	NESE

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	403	9.625	36	J-55		ST&C		
00	INTERMEDIATE	8.75	0	5475	7.0	26	J-55		LT&C		

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

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	5234	10420	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
00	SURFACE		I-II	125	1.61	0					35.8
00	INTERMEDIATE		G	461	2.34	0	POZ/G	139	1.51	5234	229.5
00	LINER		POZ/G	448	1.52	5234					121.3

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		5708	5255	6	L-80		ST&C	

Logs

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

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

Logs

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

Operator

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: 07/31/2024

Street Address: 1 ROAD 3263

City: AZTEC

State: NM

Zip: 87410

Phone: (505)632-3476

Email address: SFORD@ENDURINGRESOURCES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

Operator Name DJR OPERATING LLC	Well Name NORTH ALAMITO UNIT	Well Number 320H	US Well Number 3004321509
SHL NWNW Sec 29 23N 7W	County SANDOVAL	State NM	Lease Number(s) NMNM36943
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name NORTH ALAMITO UNIT	Agreement Number(s) NMNM135229A
Allottee/Tribe Name	Well Pad Name NORTH ALAMITO UNIT	Well Pad Number 320H, 565H	APD ID 10400068418

Certified_DD_Survey_20240731100521.pdf

AsDrilled_C102_and_WBD_320H_20240731100529.pdf

CONFIDENTIAL

From: blm-afmss-notifications@blm.gov
To: [Shaw Ford](#)
Subject: Well Name: NORTH ALAMITO UNIT, Well Number: 320H, Notification of Well Completion Acceptance
Date: Thursday, August 1, 2024 9:21:53 AM

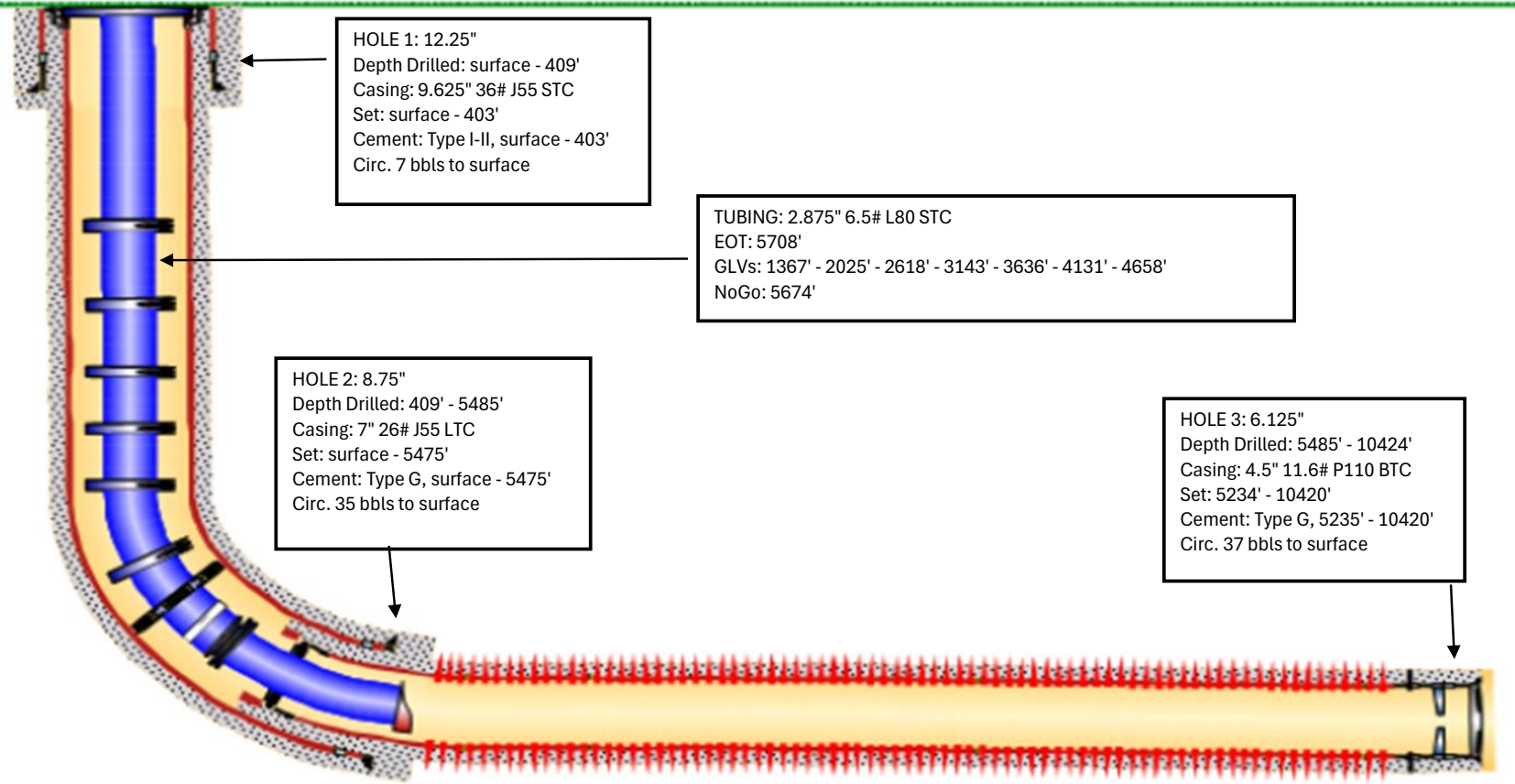
The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **DJR OPERATING LLC**
- Well Name: **NORTH ALAMITO UNIT**
- Well Number: **320H**
- US Well Number: **3004321509**
- Well Completion Report Id: **WCR2024080192490**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

FORMATION	MD	TVD
Ojo Alamo	961'	958'
Kirtland	1061'	1057'
Fruitland	1249'	1242'
Pictured Cliffs	1545'	1535'
Lewis	1661'	1649'
Chacra	2372'	2352'
Menefee	3092'	3063'
Point Lookout	3951'	3911'
Mancos	4140'	4098'
KOP~	4620'	4563'
Gallup	4947'	4876'



Perf:	25 Stages	Frac:	25 Stages
Depth:	5342' - 10352' MD	64,984	bbls of fluid
	5125' - 5170' TVD	5,075,926	lbs of proppant
		0	N2
Total of 750 Open Holes			

(NAD83)	LAT.	LONG.
SHL:	36.201995	-107.603835
FTP:	36.202980	-107.601993
LTP:	36.194460	-107.589444
BHL:	36.194352	-107.589269

BHL: NESE I-29-23N-07W
1380' FSL x 127' FEL

10,424'	TD
5,158'	TVD
10,407'	PBTD
10,370'	FracSleeve

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 390980

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 390980
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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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 390980

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 390980
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/30/2024