

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
RODNEY	131H	3002547087	NMNM138876	NMNM138876	MATADOR
RODNEY	111H	3002547086	NMNM138876	NMNM138876	MATADOR
RODNEY	113H	3002547346	NMNM138876	NMNM142898	MATADOR
RODNEY	114H	3002547347	NMNM138876	NMNM142900	MATADOR
RODNEY	104H	3002548090	NMNM138876	NMNM142900	MATADOR
RODNEY	132H	3002546595	NMNM138876	NMNM138876	MATADOR
RODNEY	112H	3002546418	NMNM138876	NMNM138876	MATADOR

Notice of Intent

Sundry ID: 1518107

Type of Submission: Notice of Intent

Date Sundry Submitted: 03/12/2021

Date proposed operation will begin: 06/30/2021

Type of Action: Other

Time Sundry Submitted: 03:52

Procedure Description: BLM Bond No. NMB0001079 Surety Bond No. RLB0015172 Matador requests the option to amend the casing and cement design to the attached plan. Slim down 9-5/8” casing to 7-5/8” casing string and utilize a diesel brine emulsion mud system. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Rodney_Robinson_Federal_132H_Drill_Plan_20210312153651.pdf
- Rodney_Robinson_Federal_131H_Drill_Plan_20210312153627.pdf
- Rodney_Robinson_Fed_Com_114H_Drill_Plan_20210312153559.pdf
- Rodney_Robinson_Fed_Com_113H_Drill_Plan_20210312153543.pdf
- Rodney_Robinson_Federal_112H_Drill_Plan_20210312153521.pdf
- Rodney_Robinson_Federal_111H_Drill_Plan_20210312153450.pdf
- Rodney_Robinson_Fed_Com_104H_Drill_Plan_20210312153326.pdf

Rodney_Robinson_Fed_Com_104H_Casing_Specs_5.5in_20lb_Hunting_TLW_SC_20210312153224.pdf

Conditions of Approval

Additional

- Rodney_Robinson_Fed_Com_112H__COA_20210924075628.pdf
- Rodney_Robinson_Fed_Com_114H__COA_20210924071543.pdf
- Rodney_Robinson_Fed_Com_113H__COA_20210924071047.pdf
- Rodney_Robinson_Fed_Com_111H__COA_20210924070623.pdf
- Rodney_Robinson_Fed_Com_104H_COA_20210924070222.pdf
- Rodney_Robinson_Fed_Com_131H__COA_20210924063309.pdf
- Rodney_Robinson_Fed_Com_132H__COA_20210924063246.pdf

Operator

I certify that the foregoing is true and correct. 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 to 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 Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: NICKY FITZGERALD

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Consultant

Street Address: 5400 LBJ FREEWAY STE 1500

City: DALLAS **State:** TX

Phone: (972) 371-5448

Email address: nicky.fitzgerald@matadorresources.com

Signed on: MAR 12, 2021 02:28 PM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Phone: 5752342234

Disposition: Approved

Signature: Chris Walls

BLM POC Title: Petroleum Engineer

BLM POC Email Address: cwalls@blm.gov

Disposition Date: 09/24/2021

Drill Plan

Rodney Robinson Federal 132H
SHL: 240' FNL & 1897' FWL Section 6
BHL: 60' FSL & 1517' FWL Section 7
Township/Range: 23S 33E
Elevation Above Sea Level: 3,732'

Drilling Operation Plan

Proposed Drilling Depth: 22043' MD / 11899' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.3409297548 N / -103.6149891440 W

TD Lat/Long (NAD83): 32.3121993315 N / -103.6148635940 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,256	1,256	527	Anhydrite	Barren
Salado (Top of Salt)	1,783	1,783	1,608	Salt	Barren
Castile	3,391	3,391	1,592	Salt	Barren
Lamar (Base of Salt)	4,983	4,983	45	Dolomite	Barren
Bell Canyon	5,028	5,028	853	Sandstone	Oil/Natural Gas
Cherry Canyon	5,881	5,881	1,348	Sandstone	Oil/Natural Gas
Brushy Canyon	7,229	7,229	1,557	Sandstone	Oil/Natural Gas
Bone Spring Lime	8,786	8,786	1,151	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,937	9,937	281	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	10,218	10,218	430	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	10,648	10,648	592	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	11,214	11,214	546	Carbonate	Oil/Natural Gas
KOP	11,263	11,240	-	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	11,900	11,760	-	Sandstone	Oil/Natural Gas
TD	22,043	11,899	-	Carbonate	Oil/Natural Gas

2. Notable Zones

3rd Bone Spring is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 78'

3. Pressure Control**Equipment**

A 12,000' 5,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Onshore Order #2 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

Drill Plan

BOP will be inspected and operated as required in Onshore Order #2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 5M BOPE system will be installed. Test pressures will be 250 psi low and 5,000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 5M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1332	0 - 1332	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 11113	0 - 11090	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 22043	0 - 11899	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review
- Request the option to deepen the Intermediate 1 casing set depth to 80° in curve, no changes in pipe grade or weight is necessary.

Variance Request

Drill Plan

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	670	1.72	1147	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	1032	C	5% NaCl + LCM
Intermediate 1	Lead	800	3.66	2932	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	210	1.38	290	13.2	35%	10113	A/C	5% NaCl + LCM
Production	Tail	760	1.35	1023	13.2	10%	10913	A/C	Fluid Loss + Dispersant + Retarder

5. Mud Program

An electronic Pason mud monitoring system complying with Onshore Order 2 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1332	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Brine Emulsion	1332 - 11113	8.4 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	11113 - 22043	8.6 - 9.4	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve.

7. Down Hole Conditions

Drill Plan

No abnormal pressure or temperature is expected. Bottom hole pressure is 5816 psi. Maximum anticipated surface pressure is 3198 psi. Expected bottom hole temperature is 171 F.

In accordance with Onshore Order 6, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

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

CONDITIONS

Action 316341

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 316341
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	3/18/2024