

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address		8. Well Name and No.
3b. Phone No. (include area code)		9. API Well No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SESW / 1035 FSL / 1715 FWL / TWSP: 23S / RANGE: 28E / SECTION: 4 / LAT: 32.3299812 / LONG: -104.0954141 ( TVD: 0 feet, MD: 0 feet )

PPP: NENW / 330 FNL / 334 FEL / TWSP: 23S / RANGE: 28E / SECTION: 9 / LAT: 32.3262293 / LONG: -104.0936395 ( TVD: 9368 feet, MD: 9432 feet )

BHL: SESW / 240 FSL / 2318 FWL / TWSP: 23S / RANGE: 28E / SECTION: 16 / LAT: 32.2986336 / LONG: -104.0935398 ( TVD: 10422 feet, MD: 20798 feet )

CONFIDENTIAL

### Tapered String Specification Sheet

**Jack Sleeper Fed Com #222H**  
**SHL: 1035' FSL & 1715' FWL Section 4**  
**BHL: 240' FSL & 2318' FWL Section 16**  
**Township/Range: 23S 28E**  
**Elevation Above Sea Level: 3016'**

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 - 399	0 - 399	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9629	0 - 9629	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 20798	0 - 10422	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

**Drill Plan**

**Jack Sleeper Fed Com #222H**  
**SHL: 1035' FSL & 1715' FWL Section 4**  
**BHL: 240' FSL & 2318' FWL Section 16**  
**Township/Range: 23S 28E**  
**Elevation Above Sea Level: 3016'**

**Drilling Operation Plan**

Proposed Drilling Depth: 20798' MD / 10422' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Gas

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.3280262440 N / -104.0936368178 W

TD Lat/Long (NAD83): 32.2986349977 N / -104.0935415346 W

**1. Estimated Tops**

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	374	374	242	Anhydrite	Barren
Salado (Top of Salt)	616	616	314	Salt	Barren
Castile	930	930	1,573	Salt	Barren
Lamar (Base of Salt)	2,503	2,503	39	Salt	Barren
Bell Canyon	2,542	2,542	876	Sandstone	Oil/Natural Gas
Cherry Canyon	3,418	3,418	1,146	Sandstone	Oil/Natural Gas
Brushy Canyon	4,564	4,564	1,515	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,079	6,079	976	Limestone	Oil/Natural Gas
1st Bone Spring Sand	7,055	7,055	256	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	7,311	7,311	491	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	7,802	7,802	318	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	8,119	8,119	907	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	9,027	9,027	341	Sandstone	Oil/Natural Gas
Wolfcamp	9,432	9,368	-	Shale	Oil/Natural Gas
<b>KOP</b>	<b>9,629</b>	<b>9,569</b>	-	<b>Shale</b>	<b>Oil/Natural Gas</b>
<b>TD</b>	<b>20,798</b>	<b>10,422</b>	-	<b>Shale</b>	<b>Oil/Natural Gas</b>

**2. Notable Zones**

Wolfcamp 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 38'

**3. Pressure Control****Equipment**

A 12,000' 5000-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.

**Drill Plan**Testing Procedure

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 5000 psi high with the annular 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, Intermediate 2, 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 - 399	0 - 399	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9629	0 - 9629	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 20798	0 - 10422	5.5	20	P-110	Hunting TLW	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 70° 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	100	1.72	175	12.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	99	C	5% NaCl + LCM
Intermediate 1	Lead	680	3.66	2502	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	210	1.38	290	13.2	35%	8629	A/C	5% NaCl + LCM
Production	Lead	20	3.66	71	10.3	10%	9129	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	1990	1.35	2686	13.2	10%	9429	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 - 399	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Brine Emulsior	399 - 9629	8.8 - 9.2	28-30	NC
Production	6.75	OBM	9629 - 20798	12.6 - 13.7	30-35	<20

**6. Cores, Test, & Logs**

No core or drill stem test is planned.

A 2-person mud logging program will be used from Intermediate 2 Casing shoe to TD.

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. Maximum anticipated surface pressure is 5132 psi. Expected bottom hole temperature is 158° 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.

042328 N SUNDRY-2658759 JACK SLEEPER FED COM 222H Eddy NMNM018038 Matador 13-22 05072022 RI

JACK SLEEPER FED COM 222H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface				
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight					
"A"	54.50	J 55	BTC	39.24	6.2	0.54	399	16	0.91	11.94	21,746					
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500											Tail Cmt	does not	circ to sfc.	Totals:	399	21,746
<b>Comparison of Proposed to Minimum Required Cement Volumes</b>																
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE						Min Dist Hole-Cplg		
17 1/2	0.6946	350	517	277	87	8.80	2984	3M						1.56		

Class 'C' tail cmt yield above 1.35.

7 5/8		casing inside the		13 3/8		-		Design Factors				Int 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight			
"A"	29.70	P 110	BTC	3.29	1.05	1.71	9,629	2	2.93	1.79	285,981			
w/8.4#/g mud, 30min Sfc Csg Test psig:											Totals:	9,629	285,981	
The cement volume(s) are intended to achieve a top of				0	ft from surface or a			399						overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE						Min Dist Hole-Cplg
9 7/8	0.2148	890	2779	2202	26	10.20	3229	5M						0.69

Class 'H' tail cmt yld > 1.20

Casing must be kept fluid filled.

5 1/2		casing inside the		7 5/8		-		Design Factors				Prod 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight			
"A"	20.00	P 110	TLW	2.26	2.04	2.6	20,798	3	4.45	4.03	415,960			
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,293											Totals:	20,798	415,960	
The cement volume(s) are intended to achieve a top of				9429	ft from surface or a			200						overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE						Min Dist Hole-Cplg
6 3/4	0.0835	2010	2760	951	190	10.20	3229	5M						0.44

Class 'C' tail cmt yld > 1.35

**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**

COMMENTS  
 Action 109753

**COMMENTS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 109753
	Action Type: [C-103] NOI Change of Plans (C-103A)

**COMMENTS**

Created By	Comment	Comment Date
jagarcia	Approved, John Garcia, Petroleum Engineer	8/18/2022

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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 109753

**CONDITIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 109753
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
jagarcia	None	8/18/2022