

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires: January 31, 2018

**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.**

5 Lease Serial No  
NMNM-68038

6 If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7 If Unit of CA Agreement, Name and/or No

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8 Well Name and No  
Parker Deep 5 Fed Com #2

2 Name of Operator

Matador Production Company

9 API Well No  
30-015-31548

3a Address  
5400 LBJ Freeway Suite 1500  
Dallas, TX 75240

3b Phone No (include area code)  
(972) 371-5471

10 Field and Pool or Exploratory Area  
Shugart, Morrow, North (Gas)

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1570' FNL & 1980' FWL; F-05-18S-31E

11 Country or Parish, State  
Eddy, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 checked="" 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 recompleat 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 recompleat 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.)

Operation Objective: Squeeze existing Morrow perfs and perforate four different Morrow zones.

1. MIRU, ND WH, NU BOPs, test.
2. Unset packer, TOOH w/ tbg.
3. TIH w/ CBP & cmt retainer. Squeeze existing perfs (11,765-75').
4. TIH w/ bit and drill out cmt.
5. TIH w/ TCP guns & packer. (optionally, WL perf guns). RIH w/ WL GR & correlate.
6. Set packer & perforate four Morrow targets: A.) 11,552-55', B.) 11,630-34', C.) 11,728-31', D.) 11,830-40'
7. Measure production and spot acid as required to clean up perfs.
8. ND BOPs, NU WH, RDMO. Return to production.

BUREAU OF LAND MANAGEMENT  
ARTESIA DISTRICT

MAR 12 2018

RECEIVED

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

Christopher Villarreal

Engineer  
Title

Signature

Date

01/07/2018

**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.

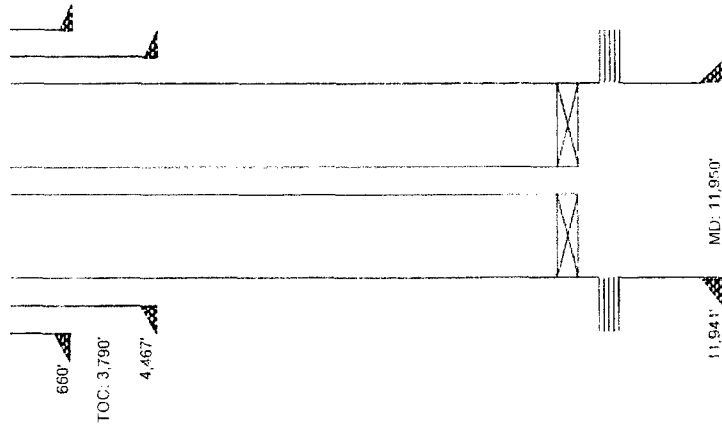
MATADOR PRODUCTION COMPANY  
Parker Deep S Federal Com 2  
1570 FNL & 1980 FWL F-5-185-31E  
Eddy County, NM  
API: 3001531548  
CURRENT WELLBORE SCHEMATIC  
Spudded: 2/28/01

Prepared by Ryan Baumgartner 7/14/2017

Tubing	
Total Its	41,380
Diam	2 3/8"
Depth	11,763'
Packer	11,729
P910	11,910'
TAC	
SN	
BP	
Rods	
Total	
7/8"	
3/4"	
7/8"	
3"	
Pony	
Pump	

Casing Information				
Hole Size	Casing Size	Type	Weight lb/ft	Joints
17 1/2	13 3/8	H-40	48	15
12 1/4	8 5/8	J-55 HCK-55	32	104
7 7/8	5 1/2	N-80 & S-95	17	278

Cementing Record				
Surface Intermediate Production	*Bottom 13 Jts of 8 5/8" are HCK-55			
	500 sxs class "C", circ 114 sxs to pit			
	1500 sxs 35/65 C Poz, tail w/ 350 sxs class "C", circ 375 sxs pit			
	Stage 1, 750 sxs class "H", 324 sxs pit			
	Stage 2, 700 sxs 35/65 Poz:H, Tail w 100 sxs "H" neat			
Marker Joint	6,851-6,872			

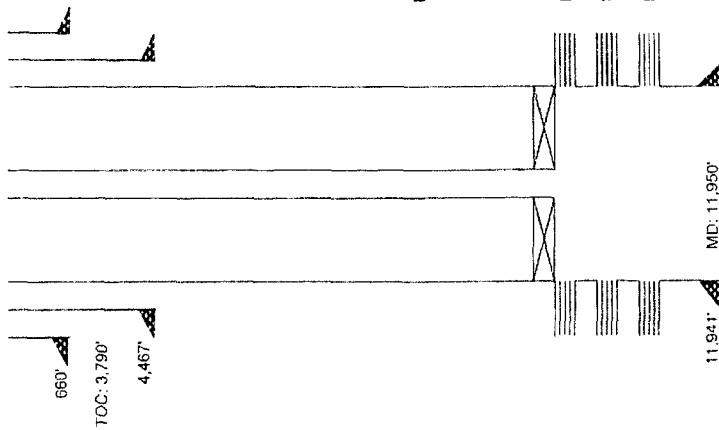


DV Tool 9,577'

Perts 11,765'-11,775' <MORROW>  
40 holes - 4 jspt

Geologic Markers	
Rustler	475
Yates	1,900
7 Rivers	2,200
Queen	2,870
Grayburg	3,715
San Andres	3,800
B.S.	5,280
Wolfcamp	8,860
Penn Shale	9,820
Strawn	10,750
Atolia	11,010
Morrow	11,360
U. Miss	11,845

MATADOR PRODUCTION COMPANY  
Parker Deep 5 Federal Com 2  
1570 FNL & 1980 FWL F-5-185-31E  
Eddy County, NM  
API: 3001531548  
PROPOSED WELLBORE SCHEMATIC  
Spudded: 2/28/01



Tubing	
Total Its	+/-380
Diam.	2 3/8"
Depth	11,763'
Packer	11,729
PBTD	11,910'
TAC	
SN	
BP	
Rods	
Total	
7/8"	
3/4"	
7/8"	
1"	
Pony	
Pump	

DV Tool 9,577'

Perfs: 11,552-55', 11,630-34', 11,728-31' <MORROW>

SQUEEZED Perfs 11,765'-11,775', 40 holes - 4 jspt. <MORROW>

Perfs: 11,830'-11,840' <MORROW>

Casing Information		Type	Weight lb/ft	Joints	Depth Set
Hole Size	Casing Size				
Surface	17 1/2	H-40	48	15	660'
Intermediate	12 1/4	I-55 HCK-55	32	104	4,467'
Production	7 7/8	N-80 & S-95	17	278	11,941'

\*Bottom 13 Jts of 8 5/8" are HCK-55

Cementing Record		Date Run
Surface	Intermediate	
Production	Production	
500 sxs class "C", circ 114 sxs to pit		3/2/2001
1500 sxs 35-65 C Poz, tail w/ 350 sxs class "C", circ 375 sxs pit		3/15/2001
Stage 1, 750 sxs class "H", 324 sxs pit		4/17/2001
Stage 2, 700 sxs 35-65 Poz:H, Tail w 100 sxs "H" neat		
Marker Joint	6,851-6,872	

Geologic Markers	
Rustler	475
Yates	1,900
7 Rivers	2,200
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Grayburg	3,215
San Andres	3,800
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U. Miss.	11,845

**Parker Deep Fed Com 2**  
**30-015-31548**  
**Matador Production Company**  
**Conditions of Approval**

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise. Exceptions to these restrictions may be granted by BLM's Cassandra Brooks <crbrooks@blm.gov> 575.234.2232

**Notify BLM at 575-361-2822 (Eddy County) or 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work.**

**Work to be completed by June 8<sup>th</sup> 2018**

1. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.
2. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
3. Surface disturbance beyond the originally approved pad must have prior approval.
4. Closed loop system required.
5. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
6. Operator to have H2S monitoring equipment on location.

7. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
8. **Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
9. **See attached for General Plugback Guidelines**

**MHH 03082018**

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Production Zone Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plug back operations shall commence within **ninety (90)** days from this approval. **If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**
2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.  
In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.  
**Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**
- Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.
6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.** If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.
7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.