

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD

Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMMNM33437
2. Name of Operator Matador Production Company		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 1936 ~ ROSWELL NM 88202-1936	3b. Phone No. (include area code) 575.623.6601	7. If Unit or CA/Agreement, Name and/or No. PMS 8 Federal
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 635' FNL & 685' FEL., Sec. 8 NENE, T18S, R31E		8. Well Name and No. PMS 8 Federal #1
		9. API Well No. 3001525913
		10. Field and Pool, or Exploratory Area Shugart; Yates 7-RS-QU-Grayburg
		11. County or Parish, State Eddy, New Mexico

**12. CHECK 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"/> Fracture Treat	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BLM Bond No. NMB0001079  
Surety Bond No. RLB0015172

See Attached Procedure and Wellbore Schematics

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 25 2016

ENTERED  
IN AFMS

RECEIVED

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Tammy R. Link		Title Production Tech
Signature <i>Tammy R. Link</i>	Date 10/08/2015	APPROVED
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by 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.	Title Office	Date JAN 19 2016
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD 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)

## **PMS 8 Federal #1 Re-frac 1st Bone Spring Procedure**

1. MIRU pulling unit.
2. POOH w/ rod string and pump.
3. ND tubing head. NU BOP.
4. POOH w/ production tubing.
5. RIH w/ workstring and squeeze perfs from 3,746'-3,753'.
6. WOC. Pressure test casing to 500 psi.
7. RIH w/ workstring and DO cmt. RIH to 4,110' and DO 50' of cmt and CIBP at 4,160'.
8. RIH w/ workstring and squeeze perfs from 4,170' - 4,175'.
9. WOC. Pressure test casing to 500 psi.
10. RIH w/ workstring and DO cmt. RIH to 7,400' and DO 50' of cmt and CIBP @ 7,450'.
11. RIH w/ tubing and packer and set at  $\pm$  7,450'.
12. Acidize perfs @ 7,471'-7,493' and 7,563' - 7,573'.
13. Swab test.
14. MIRU Frac crew. Frac perfs @ 7,471'-7,493' and 7,563' - 7,573'.
15. Flowback into OTT w/ gas buster.

**PMS 8 #1**  
**North Shugart Grayburg**  
 API #30-015-25913  
 635' FNL & 685' FEL  
 A-8-T18S-R31E, Eddy, NM  
 Prop ID #711000-001  
 3701.5' GL (13KB), NM-33437  
 Harvey E. Yates Company

Wellbore Status as of : 05/02/14

Spud: 7/13/1988  
 TD Date: 8/7/1988  
 TD: 8970'  
 PBTD: 8919' 8/18/1988 (original)  
 PBTD: 4110' 1/27/1997 (current)  
 Completed: 8/31/1988  
 Recompleted: 2/2/1997

**DRAWING NOT TO SCALE.**  
 updated by Cliff Humphreys 10/7/2015

(csg size 5 1/2") DV Tool @ 5993'

Marker Jt @ 3907'  
 Tubing: 123 jts  
 Pump: 2 x 1 1/2 x 24" w/2" BOC  
 Rods: 154 rods. 21 7/8", 88 3/4", 45 7/8"  
 4' 2" Ponies

TAC/PCR @ 3596'  
 SN @ 3913'

1-28-97 Set CIBP @ 4160' + 50' cmt

1-23-97 Set CIBP @ 7450' + 50' cmt

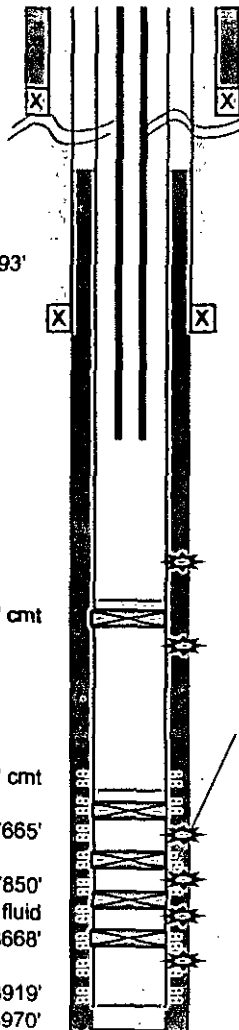
2-20-96 Set CIBP @ 7665'

9-30-88 Set CIBP @ 7850'

Perfs 8280 and 8284 taking majority of fluid

8-19-88 Set CIBP @ 8668'

by CBL (8-16-98), PBTD: 8919'  
 TD: 8970'



358' - 13 3/8" 54.5 J-55 csg cmtd w/350 sx cmt, TOC=circ.

2060' 8 5/8" 32 J-55 csg cmtd w/1000 sx cmt + 1" 70 sx, TOC=circ

8970' 5 1/2" 17 J-55 csg cmtd w/1800 sx cmt, TOC=733' by cbl 1-25-97

6. Perf 3746-53' & 3834-36' w/1spf

Acidz w/3000g 15% NEFE & 22 rcn bs; double ball out, broke @ 2000#  
 Frac w/20,000g 30 X-link, 44448# 16/30 Ottawa 1/29/1997

5. Perf 4170-4175' w/1spf Acidz w/2000g 15%NEFE, no b.o., no shows 1/24/1997

4. Perf (1st BS) 7471-7492, 7563-73; (1 spf @ 7471, 76, 80, 88, 92, 7563, 69, 71, 73) Acidize w/3250g  
 15% HCL NEFE & 18 bs; ball out during swab, bad paraffin buildup - no shows oil or gas 2/21/1996

3. Perf 7700-12 w/2spf; Acidize w/3750g 20% SRA, 50 bs; broke @ 0#  
 wash perfs w/2000g 15% NE w/2% MS 9/30/1988

2. Perf 7877, 98, 7918, 29, 8165, 80, 94, 8212, 30, 35, 80, 84 & 8308' w/1spf 8/19/1988  
 acidize w/ 3500g NARS 201 & 26 rcn bs; good ball action w/ball out.

acidize w/5000g 7.5% SRA, 26 bs; ball out; FRAC w/97.5K BS40 & 195K# 16/30 Ottawa

1. Perf (C Zone) 8694-8712'. Acidize w/250 gals 20% NEFE, broke @ 2100#. Trace o&g. 8/18/1988

- 2-26-97 Strainer nipple on btm of pmp was plugged w/fibrous material. No fill.
- 2-22-96 Paraffin buildup after perf & acidz. Used solvent & diesel.
- 11-21-93 20 Jts plugged 'pretty bad' w/paraffin, steamed tbg (couldn't run knife-stacked out).
- 1-28-92 Rods had paraffin buildup, hot oiled.

**PMS 8 #1**  
**North Shugart Grayburg**  
 API #30-015-25913  
 635' FNL & 685' FEL  
 A-8-T18S-R31E Eddy, NM  
 Prop ID #711000-001  
 3701.5' GL (13KB) NM-33437  
 Harvey E. Yates Company

**Proposed Wellbore 10/07/15**

**Spud:** 7/13/1988  
**TD Date:** 8/7/1988  
**TD: 8970'**  
**PBTD: 8919'** 8/18/1988 (original)  
**PBTD: 4110'** 1/27/1997 (current)  
**Completed:** 8/31/1988  
**Recompleted:** 2/2/1997

**DRAWING NOT TO SCALE.**

updated by Cliff Humphreys on 10/7/2015

(csg size 5 1/2") DV Tool @ 5993'

Marker Jt @ 3907'

Tubing: 233 jts

Rods: 298

TAC @ 3563'

SN @ 3945'

1-28-97 Set CIBP @ 4160' + 50' cmt  
 Propose DO

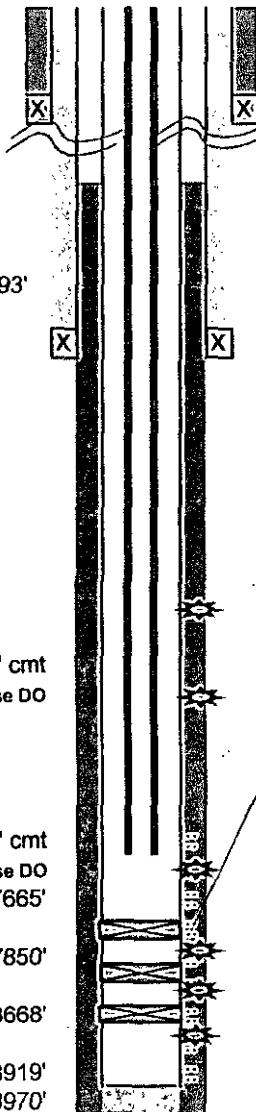
1-23-97 Set CIBP @ 7450' + 50' cmt  
 Propose DO

2-20-96 Set CIBP @ 7665'

9-30-88 Set CIBP @ 7850'

8-19-88 Set CIBP @ 8668'

by CBL (8-16-98), PBTD: 8919'  
 TD: 8970'



358' - 13 3/8" 54.5 J-55 csg cmtd w/350 sx cmt, TOC=circ.

2060' 8 5/8" 32 J-55 csg cmtd w/1000 sx cmt + 1" 70 sx, TOC=circ

8970' 5 1/2" 17 J-55 csg cmtd w/1800 sx cmt, TOC=733' by cbl 1-25-97

6. Perf 3746-53' & 3834-36' w/1spf Propose squeeze

5. Perf 4170-4175' Propose Squeeze

4. Perf (1st BS) 7471-7492, 7563-73; (1 spf @ 7471, 76, 80, 88, 92, 7563, 69, 71, 73)

3. Perf 7700-12 w/2spf

2. Perf 7877, 98, 7918, 29, 8165, 80, 94, 8212, 30, 35, 80, 84 & 8308' w/1spf

1. Perf (C Zone) 8694-8712'

- 2-26-97 Strainer nipple on btm of pmp was plugged w/fibrous material. No fill.
- 2-22-96 Paraffin buildup after perf & acdz. Used solvent & diesel.
- 11-21-93 20 Jts plugged 'pretty bad' w/paraffin, steamed tbq (couldn't run knife-stacked out).
- 1-28-92 Rods had paraffin buildup, hot oiled.

**PMS 8 Federal I  
30-015-25913  
Matador Production Company  
January 19, 2016  
Conditions of Approval**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

**Work to be completed by April 19, 2016.**

- 1. Cement remediation approved.**
- 2. 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**
- 3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 4. Surface disturbance beyond the originally approved pad must have prior approval.**
- 5. Closed loop system required.**
- 6. 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.**
- 7. Operator to have H2S monitoring equipment on location.**
- 8. 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.**
- 9. Subsequent sundry required detailing work done, C-102 form, and completion report with the new formation. Operator to include well bore schematic of current well condition when work is complete.**
- 10. See attached for general requirements.**

**JAM 011916**

**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. Plugging 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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

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.**

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.