

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD ArtesiaFORM 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
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
St. Mary Land & Exploration Co.3a. Address 3b. Phone No. (include area code)
3300 N. A Street, Bldg. 7, Ste. 200 Midland, TX 79701-3268-17894. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 35 - T-19S-R29E
2090' FNL & 2430 FEL (UL:G)

5. Lease Serial No.

RECEIVED

6. If Indian, Allottee or Tribal Name

APR 29 2010

7. If Unit or C/A Agreement, Name and/or No.
NMOCD ARTESIA
NM88491X

8. Well Name and No.

PDU #306

9. API Well No.

30-015-33711

10. Field and Pool, or Exploratory Area
Parkway, Delaware11. County or Parish, State
Eddy Co.
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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" 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.)

Application for Injection sent to NMOCD.

SEE ATTACHED FOR
CONDITIONS OF APPROVALSUBJECT TO LIKE
APPROVAL BY STATE

Proposed Procedure:

- 1) PU 4-3/4" bit and DC's on 2-7/8" workstring to clean out to PBTD @ +/- 4190'.
- 2) Acidize w/1500g 15% NEFE & 300 g Xylene. Flow/swab back load.
- 3) Perforate from 4026-4028, 3992-3994, 3976-3978, 3960, 3946, 3939, 3924 (13 holes
- 4) Frac down workstring
- 5) Set Arrowset 1X (Nickel Plated) Injection Pkr @3820'.
- 6) Notify OCD /BLM for MIT test. Test casing to 500# and chart for 30 min.
- 7) Place well on injection.

Accepted for record

NMOCD

Pmx ORDER PENDING

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

Donna Huddleston

Title Production Tech

Signature

Date 03/12/2010

THIS 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)

WELLBORE DIAGRAM

PARKWAY DELAWARE UNIT # 306

LEASE: PDU

LOCATION: 2090' FNL & 2430' FEL

FIELD: PARKWAY

STATUS: ACTIVE PRODUCER

UL: G

WELL NO. 306

SEC: 35 T: 19S R: 29E

GL: 3313 CT/ST: EDDY,NM

KB: 3325'

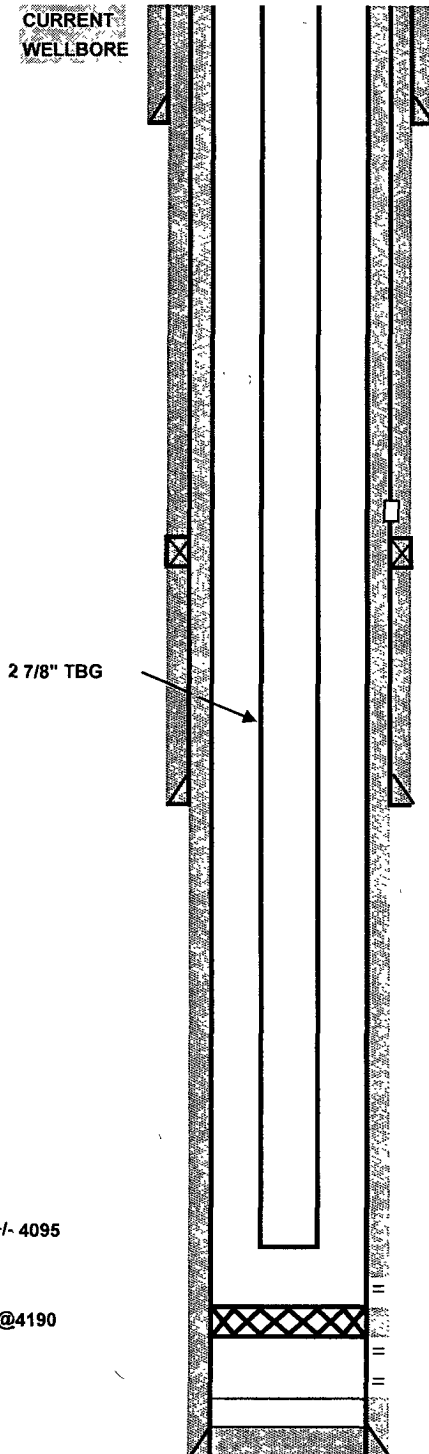
API # : 30-015-33711

SPUD: 11/17/04

COMP: 1/06/05

INITIAL FORM: DELAWARE "C"

**CURRENT
WELLBORE**



13 3/8" 48# H-40
@ 395'
CMT W/ 350 SX
CIRC 20 SKS TO SURFACE

DV TOOL
ECP @ 1663'

8 5/8" 32 & 24# J-55
@ 3185'
1st stage 500 SX
2nd Stage 650 SX circ
1" to Surf w/ 600SX
From 635' in 2 stages

WELL HISTORY

12/13/05 Run CBL; Perf "C" 4197-4211 1 SPF 4216-4228 1SPF'
Acidize w/3000g 15%

12/17/05 Frac "C" w/21841g & 26938#
16/30 BRADY sand 1-4ppg
avg 7.4 bpm @ 1572psi

1/05 Producing ~8 BOPD + 42 BWPD
INITIAL INTERVAL SEVERE CaSO4 scale

3/1/2005 PUMPED CONVERSION AND ACID JOB

3/3/2005 PRODUCING 8 BOPD&116 BWPD

5/20/2005 PLUG BACK TO UPPER C. SET CIBP @ 4190'
PERF UPR "C" 4125 - 38, 1 SPF 14 HOLES
FRAC 25,550 # 16/30 BRADY@7.4 BPM

6/14/2005 PKR @ 3985'. PUMP 1500 GAL 15% HCL IN 4125-38 PERFS.
CAUGHT PSI W/ 24 BBLS PUMPED
AVG RATE=6.6 BPM, AVG PSI = 1700. ISIP = 340, 5 MIN = VAC

6/19/2005 PRODUCING 11 BOPD&8 BWPD

7/8/2005 RE-FRAC 58000# 16/30 @14.1 BPM

7/11/2005 TAG SAND @ 4175'. RAN FRAC TRACER LOG:
TREATED F/ 4104-71 (85% IN ZONE)

7/15/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 4050.
WASH DWN TO 4190

7/25/2005 STUCK PUMP. STRIP OUT. TAG FILL @ 3940.
WASH DWN TO 4190

8/1/2005 STRIP OUT. TAG FILL @ 3561. PUMP 200 BBLS 2% KCL.
NO CIRC. WASH TO 4190. CIRC 100 BBLS AROUND.

9/9/2005 RE-FRAC - DETAILS????

2/13/2006 ROD PART. PULL 15 7/8 RODS, BODY BREAK.

4/26/2006 ROD PART 32ND 3/4 ROD OUT. BODY BREAK.

DELAWARE PERFS

UPPER "C" PERFS 4125-4138 1 SPF (14 HOLES)

LOWER "C" Zone: 4197 - 4211 [15 HOLES]
4216 - 4228' [13 holes]

5 1/2" 15.5# J-55 @ 4627'
CMT'D W/ 600 SX, CIRC. TO SURFACE

SN@+/- 4095

CIBP @4190

DATE: 7/2005
PREPARED BY:
CMJ

PBTD: 4555' FC
TD: 4627'

PROPOSED WELLBORE DIAGRAM PARKWAY DELAWARE UNIT # 306

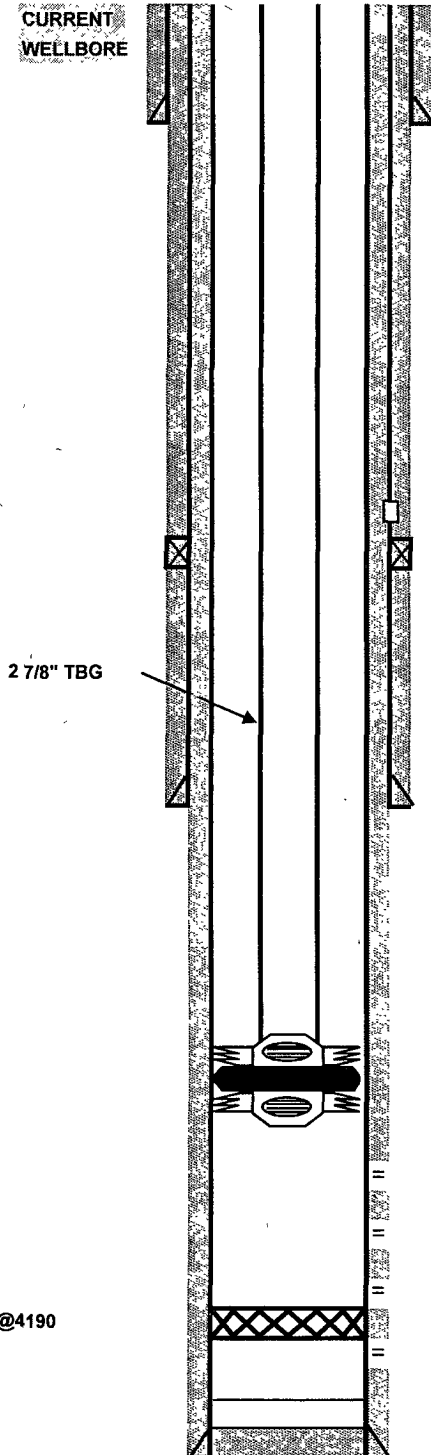
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1" to Surf w/ 600SX
From 635' in 2 stages

5-1/2" X 2-3/8" NICKEL PLATED ARROWSET 1X PACKER @ 3820'

DELAWARE PERFS

3924, 3939, 3946, 3960, 3976-3978 1 SPF (7 HOLES)

3992 - 3994, 4026 - 4028 1 SPF (6 HOLES)

UPPER "C" PERFS 4125-4138 1 SPF (14 HOLES)

LOWER "C" Zone: 4197-4211(15 HOLES) 4216 - 4228' (13 holes)

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CIBP @4190

DATE: 7/2005
PREPARED BY:
CMJ

PBTD: 4555' FC
TD: 4627'

**PDU #306
30-015-33711
St. Mary Land & Exploration Co.
April 28, 2010
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. Operator to have H2S monitoring equipment on location as H2S has been reported.**
- 4. Subsequent sundry required.**
- 5. Operator to submit NOI sundries for any future work.**
- 6. Operator to submit Unit Plan of Development – required on annual basis. Last one submitted was in 2003.**

MAK 042810