

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**OCD-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  
☒ 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 (832) 688-1789**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Sec. 35 - T-19S-R29E  
1980' FSL & 430 FEL (UL:I)**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**NM88491X**8. Well Name and No.  
**Parkway Delaware Unit #707**9. API Well No.  
**30-015-34409**10. Field and Pool, or Exploratory Area  
**Parkway; Delaware**11. 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 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 shall 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 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.

Proposed Procedure:

**SUBJECT TO LIKE  
APPROVAL BY STATE****Accepted for record****NMOCD****PMX 257****RF 6/10/10**

- 1) Drillout CIBP @ 4175'.
- 2) Clean out to PBDT @ +/- 4534'.
- 3) Isolate and acidize existing perfs 4182-4190, 4195-4202, 4210-4230, 4236-4242, 4244-4252 w/3500g 15% NEFE & 400 g Xylene.
- 4) Isolate and acidize existing perfs 4070-4120 w/3500g 15% NEFE & 400 g Xylene.
- 5) Frac down workstring
- 6) Set Arrowset 1X (Nickel Plated) Injection Pkr @ 3970'.
- 7) Notify OCD /BLM for MIT test. Test casing to 500# and chart for 30 min.
- 8) Place well on injection.

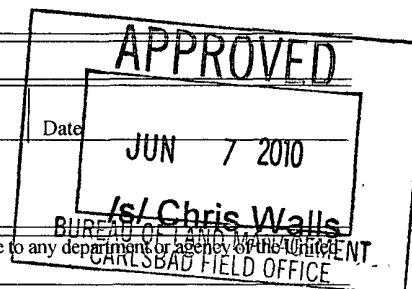
**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) <b>Donna Huddleston</b>	Title <b>Production Tech</b>
Signature <i>Donna Huddleston</i>	Date <b>05/04/2010</b>

**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



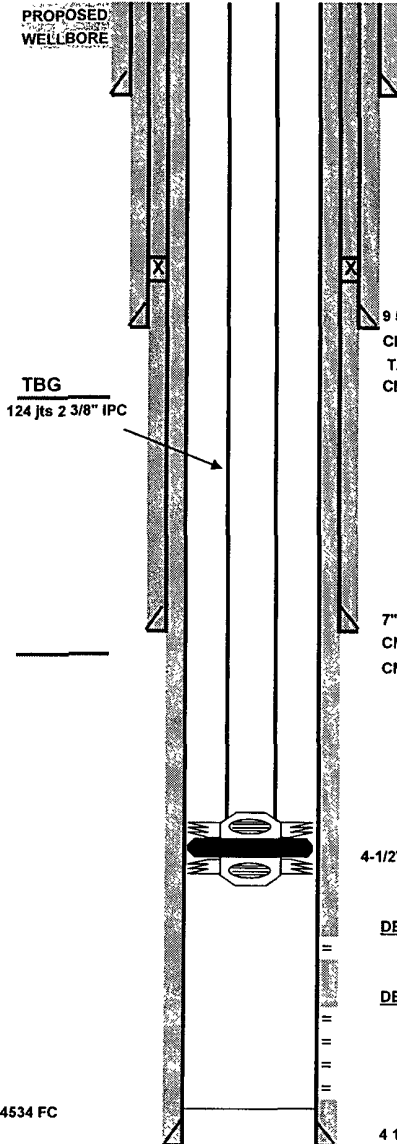
(Instructions on page 2)

# **PROPOSED WELLBORE DIAGRAM** **PARKWAY DELAWARE UNIT #707**

LEASE: PDU  
 LOCATION: 1980' FSL & 430' FEL  
 FIELD: PARKWAY  
 CURRENT STAT. CASED

WELL NO. 707  
 SEC: 35 T: 19S R: 29E  
 GL: 3331' CT/ST: EDDY,NM  
 KB: 3343' DF: 3342'

API #: 30-015-34409  
 SPUD: 1/18/06  
 COMP: 1/29/2006  
 INITIAL FORM: DELAWARE "C"



13 3/8" 48# H-40 @ 409'  
 PUMPED W/ 195 SX LEAD 50/50  
 POZ "C" 13.5ppg TAIL 150 SX "C" 14.8  
 DID NOT CIRC  
 TOPPED W/ 640 SX "C"  
 THRU 1" IN 13 STAGES  
 CIRC 23 SX TO SURFACE  
 Stage collar @ 1428'  
 External csg pkr @ 1430'

9 5/8" 32.3# H-40 @ 1488'  
 CIRC. W/ 280 SX LEAD 11.9PPG  
 TAIL 200 SX "C" 14.8PPG  
 CIRC 82 SKS TO PIT

7" 23# J-55 @ 3190'  
 CMT'D 1ST STAGE 115 SX LEAD 11.9PPG TAIL 150 SX 14.8PPG ALL "C"  
 CMT'D 2ND STAGE 115 SX LEAD 11.8PPG TAIL 150 SX 14.8 ALL "C"

4-1/2" X 2-3/8" NICKEL PLATED ARROWSET 1X PACKER @ 3970'

DELAWARE "B" PERFS  
 4070-4120 1 SPF 51 HOLES

DELAWARE "C" PERFS  
 4182-4190 1 SPF 9 HOLES (B ORANGE)  
 4195-4202 1 SPF 8 HOLES (C BLUE)  
 4210-4230 1SPF 21 HOLES (C GREEN)  
 4236-4242 2 SPF 13 HOLES (C ND)  
 4244-4252 2 SPF 17 HOLES (C PINK)

4 1/2" 10.5# J-55 @ 4578'  
 CMT'D W/ 200 SX LEAD 11.9ppg & 130 SX TAIL 13 PPG ALL CLASS C  
 CIRC 27 SX TO PITS

## **WELL HISTORY**

2/14/06 Perf 4244-52' (17 holes), 4236-42' (13 holes)  
 4210-30'(21 holes), 4195-4202' (8 holes),  
 4182-90' (9 holes)  
 2/15/2006 Breakdown w/3500g 15% HCl. ISIP=1137#  
 10min=1054#  
 2/22/06 Frac with 591bbbls "clear frac"  
 22.7 M# 16/30 13 bpm 3000psi  
 2/28/06 Cardinal survey shows frac from 4168-4266'  
 4/10/06 Tag @4390'. Ran sub pump.  
 6/10/06 Send pump in for repairs. Put well on Rod Pump.  
 7/17/06 Replaced rod pump  
 8/2/06 Set CIBP @ 4175', Perf "B" 4070-4095 1 SPF  
 8/3/06 Acidize w/4000g 7 1/2% HCl  
 8/4/06 Frac with 12,800g "clear frac" 38,000# 16/30 Ottawa  
 15 BPM @ 2732 psi  
 8/5/06 Tracer Log, treated 4070-4119'  
 10/12/06 Pull & re-run equip  
 7/17/07 Pump repair  
 3/6/08 Hole in tbg Hole in 1st joint out. Drop SV &  
 tested tbg to 1000#. Ok.

PBTD 4534 FC

DATE: 10/30/06  
 PREPARED BY:  
 EWS

PBTD: 4534 FC  
 TD: 4590'

# **WELLBORE DIAGRAM** **PARKWAY DELAWARE UNIT #707**

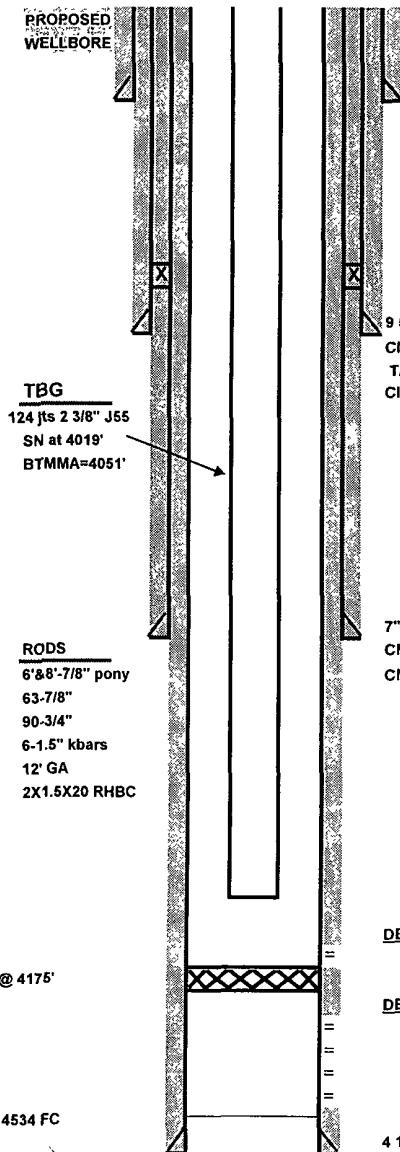
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 FIELD: PARKWAY  
 CURRENT STAT. CASED

WELL NO. 707  
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 KB: 3343' DF: 3342'

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 SPUD: 1/18/06  
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CIBP @ 4175'

PBTD 4534 FC

DATE: 10/30/06  
 PREPARED BY:  
 EWS

PBTD: 4534 FC  
 TD: 4590'

**Parkway Delaware Unit 707  
30-015-34409  
St. Mary Land and Exploration  
June 7, 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 from wells in the area.**
- 4. Submit subsequent sundry with injection rate, pressure and current well bore schematic.**

**CRW 060710**