

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.
NMSF078040

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
MUDGE A 40

2. Name of Operator

BP AMERICA PRODUCTION CO.

Contact: CHERRY HLAVA

E-Mail: hlavaci@bp.com

9. API Well No.

30-045-21023-00-S1

3a. Address

200 ENERGY COURT.
FARMINGTON, NM 87401

3b. Phone No. (include area code)

Ph: 281-366-4081

10. Field and Pool, or Exploratory
BLANCO PICTURED CLIFFS

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

Sec 10 T31N R11W NWSW 1670FSL 0800FWL
36.91007 N Lat, 107.98341 W Lon

11. County or Parish, and State

SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

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.)

BP finds no further uphole potential for said well and respectfully request permission to plug the entire wellbore.

Please see the attached P&A procedure.

**H₂S POTENTIAL EXIST****RCVD APR 20'10****OIL CONS. DIV.****DIST. 3**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #84869 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO., sent to the Farmington
Committed to AFMSS for processing by STEVE MASON on 04/16/2010 (10SXM0161SE)**

Name (Printed/Typed) CHERRY HLAVA

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 04/15/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 04/16/2010

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 Farmington

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******NMOCD**

B 4/23

Mudge A 40 – PC PxA Procedure (Version 1)

General Information:

Formation:	PC	Job Objective:	Plug and Abandon
Project #:		Date:	4/14/2010
Engineer:	Anne Hansford	p. 281.366.8619	c. 713-540-3386
Production Contact:	Rocky Deromedi	p. 505.326.9471	c. 505.486.0942
Optimizer:	Mike McMahan	p. 505.326.9231	
Backup Engineer:			

Well Information:

API Number:	30-045-21023
BP WI:	50%
Run #:	
Surface Location:	Sec. 10, T31N, R11W
Meter Number:	87539
Well FLAC:	
Cost Center:	
Lease FLAC:	
Restrictions:	N/A
Regulatory Agency:	BLM
Compressed (Y/N):	N

Production Data:

Tubing Pressure:	172 psi
Casing Pressure:	N/A
Line Pressure:	156 psi
Pre-rig Gas Rate:	8 MCFD
Anticipated Uplift:	None
Water Rate:	
CO2 (%):	0.5%
H2S (PPM):	N/A
Gas BTU:	1170
Artificial Lift Type:	1" CT

Basic Job Procedure:

Coil Tubing unit

1. POOH 1", coil tubing @ 2716'
2. Set CIBP @ 2666'
3. Pressure test 2-7/8" casing
4. Cement 2666' to 350' (CBL done in 1992 and bradenhead repair with returns to surface)
5. Pump a 242' cement surface plug from 242' to surface inside.

Safety and Operational Details:

ALL work shall comply with DWOP E&P Defined Operating Practice.

Well History:

The Mudge A 40- PC was completed as a 2-7/8" slimhole completion in 1972. A Bradenhead repair was done in 1992. In 1994 1" coil tubing was installed. In 1995 a clean out was done through the coil tubing.

The well has had a name change (Mudge LS 40 → Mudge A 40).

Standard Location Work:

1. Perform pre-rig site inspection, size of location, gas taps, other wells, other operators, running equipment, wetlands, wash, H2S barriers if needed for equipment. Landowner issues, buried lines in pits, raptor nesting, critical location, check anchors. Check ID wellhead, determine if equipment is acceptable or obsolete and replace if necessary, if digging is required have One Call made 48 hours. Follow ground disturbance policy.

2. Perform second site visit, checking anchors and barriers if needed. Ensure lines are marked so that they clearly designate pit locations. Discuss and turnover handover sheet with someone from operations team and wells team. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
3. Notify BLM and NMOCD 24 hours prior to performing the work.
4. Hold pre-job safety meeting and discuss JSA with everyone on location. JSA should cover: heavy lifts, pinch points, location hazards, pressure hazards, proper PPE and 8 golden rules of safety/IFF. Make sure everyone has preformed their LOTO and knows they have the right to stop the job.
5. Check and record casing pressure, intermediate, and Bradenhead pressures. Record all pressures into DIMS. Notify engineer if Bradenhead pressures exist. Check gas H2S content and treat if the concentration is > or equal to 10 ppm.
6. Insure double casing valves are installed. Spot and lay 3" line and tank to blow down well, record pressures while blowing well down if possible.
7. Blow down backside to flow back tank. Record the amount of time that it takes to blow down well.
8. RU pump truck and perform temporary kill.
 - a. TUBULAR VOLUME = 0.00107 bbl/ft
 - i. Tubing depth = 2716'
 - ii. 3 bbls down tubing
 - b. CASING VOLUME 2-7/8" = 0.00579 bbl/ft
 - i. Depth = 2862' (perf at 2716')
 - ii. 23 bbls
 - c. TOTAL = 26 bbls.
9. Ensure well has gone on vacuum. Test that the well remains on vacuum for the amount of time that will be needed to ND wellhead and NU BOP (1 hour). Ensure extra kill fluid on location for ND of wellhead operation. The operations of removal of wellhead and installation of BOPS will be preformed under a dispensation SINCE NO MECHINCAL BARRIERS, ONLY KILL FLUID.
10. If well did not go on vacuum contact engineer for review of temporary kill step and permanant kill step.
11. Conduct a JSA and discuss the operation of ND wellhead and NU BOP with only kill fluid to ensure operation is as efficient as possible and exposure time is minimized during operation.
12. If well went on vacuum, perform permant kill.
 - a. TUBULAR VOLUME = 0.00107 bbl/ft
 - i. Tubing depth = 2716'
 - ii. 3 bbls down tubing
 - b. CASING VOLUME 2-7/8" = 0.00579 bbl/ft
 - i. Depth = 2862' (perf at 2716')
 - ii. 23 bbls
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13. RU CTU. If threaded tree flanges perform proper risk assessment for threaded connections. Use dual choke manifold or production choke for flow back. Fully function and pressure test BOP's to 250-psi low-pressure test, 1000-psi high-pressure test. If Shear Rams are not used in BOP stack, refer to local standard operating practice. Lubricator should be of adequate length to cover BHA. Dual flapper check valves should be run above BHA. If dual flapper check valves are not used a detailed and current assessment of risks, mitigations and contingency responses should be refer to, or a local standard operating practice.
14. RIH with coil-tubing to **2666'** and set CIBP.
15. Pressure test 2-7/8" casing and ensure no issue with casing. 1992 CBL on file.
16. RIH with coil and spot **2316'** (75.27 cu ft) of G-Class cement inside 2-7/8" casing from **2666'-350'**. This will cover the Picture Cliff, Fruitland Coal interval, Kirtland and Ojo Formations.
17. POOH.
18. Rig down coil unit.
19. RU pump truck. Pump **7.8** cu ft cement from **200' to surface** inside 2-7/8" casing. POOH.
20. Perform underground disturbance and hot work permits. Cut off tree.
21. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface.
22. Release coil tubing unit.
23. Install well marker and identification plate per regulatory requirements. Dry hole marker should contain the following:

BP American Production Co.
Mudge A 40
API 30-045-21023
Unit letter L, Sec 10, T31N, R11W
1670' FSL, 800 FWL
San Juan, NM
Picture Cliffs Formation
Federal Lease number: SF 078040
P&A date - TBD
24. RD and release all equipment. Remove all LOTO equipment.
25. Ensure all reports are loaded into DIMS. Print out summary of work and place in Well file. Notify Sherri Bradshaw (326-9260) of completed P&A and Cherry Hlava.

Mudge A 40

Sec 10, T31N, R11W Unit L

API #: 30-045-21023

GL: 6105'

History:

- Spud 9/28/1972
- 1992 Bradenhead repair
- 1994 installed 1" Ct @ 2716'
- 1995 cleaned out through 1" CT

NAME CHANGE

In 1991 had a name change
from Mudge LS 40 --> Mudge
A 40

PC perforations

2716 - 2728', 2 SPF, frac'd w/ 32,000# sand
2738 - 2750', 2 SPF, frac'd w/ 32,000# sand

Formation Tops:

Ojo	950'
Kirtland	995'
FT	2240'
PC	2714'

PBTD: 2862'
TD: 2873'

TOC @ Surface

8.5/8" , 24# KS @ 192'
w/ 90 sx cmt

TOC @ Surface (circ.)

2 Sqz hole @ 1120'
w/ 300 sx cmt

TOC @ 1240' (CBL) 7/92

1" CT @ 2716

2 7/8" , 6.4# JS @ 2873'
w/ 255 sx cmt

updated:

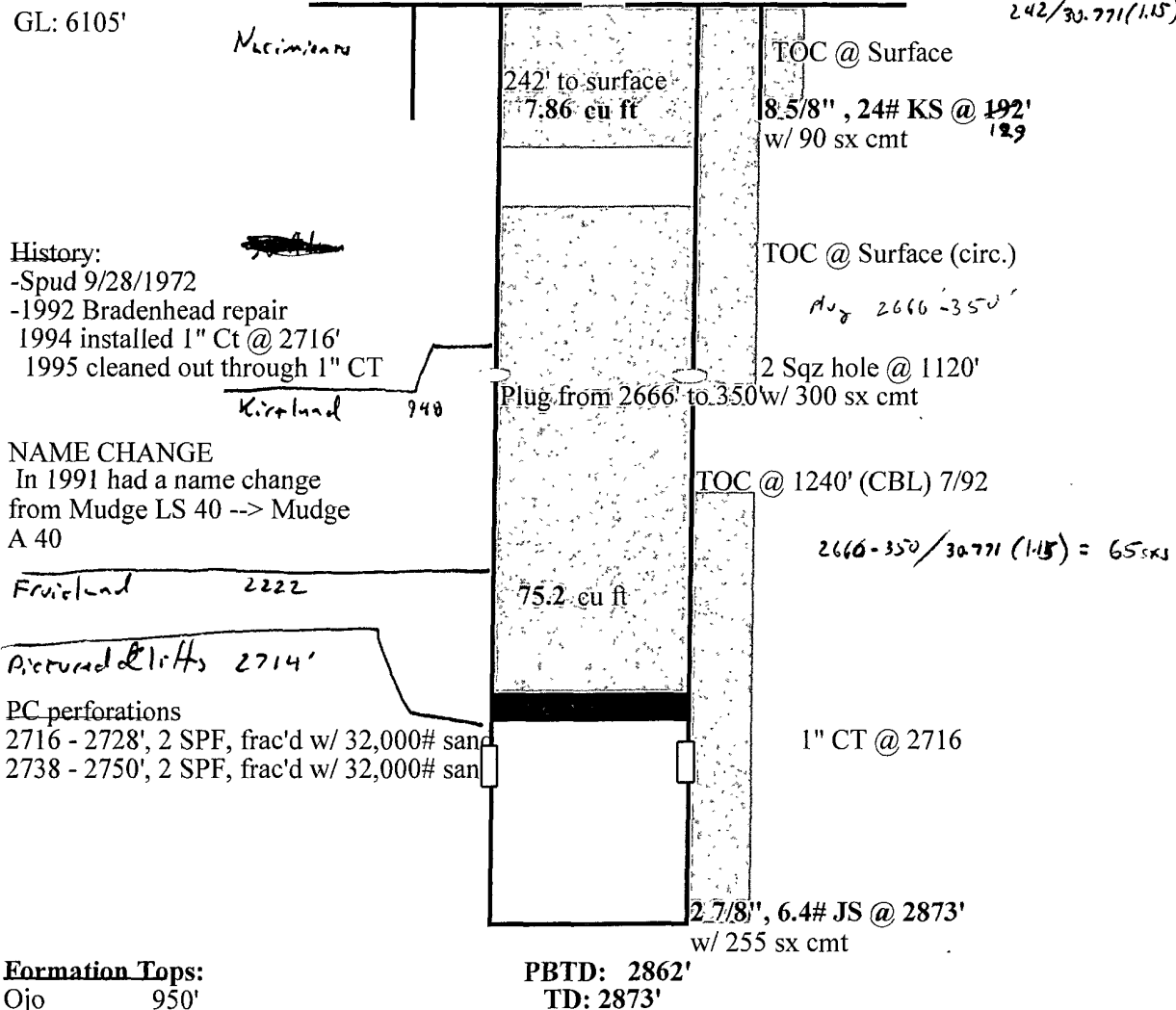
Mudge A 40

Sec 10, T31N, R11W Unit L

API #: 30-045-21023

GL: 6105'

$$2.42 / 30.771 (1.15) = 7.45$$



updated: