

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

SF - 079319

6 If Indian, Allottee or tribe Name

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☐ Other**FEB 02 2008**

8. Well Name and No

Schwerdtfeger A LS 1

2 Name of Operator

BP America Production Company**Attn: Cherry Hlavan****Bureau of Land Management****API Well No****30-045-06958**

3a Address

P.O. Box 3092 Houston, TX 77253

3b. Phone No. (include area code)

281-366-4081

10 Field and Pool, or Exploratory Area

Blanco Mesaverde & Pictured Cliffs

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

990' FSL & 990' FWL Sec. 36 T28N, R09W

11. County or Parish, State

San Juan County, New Mexico

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

TYPE OF SUBMISSION

☒ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ 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☐ Water Disposal☐ Water shut-Off☐ Well Integrity☐ Other **PayAdd & DHC**

- 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 America requests permission to repair Bradenhead per the attached procedure.

RCVD FEB 8 '08**OIL CONS. DIV.****DIST. 3**

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

Cherry HlavaTitle **Regulatory Analyst**Signature *Cherry Hlava*Date **01/31/08**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 07 2008

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.

NMOCD

SJ Basin Well Work Procedure

Well Name: Schwerdtfeger A LS 1-PC/MV **API #:** 30-045-06958
Location: T28N-R9W-Sec36M
County: San Juan
State: New Mexico
Horizon: PC/MV
Date: January 28, 2007
Repair Type: Bradenhead repair
Engr: Andrew Berhost
ph (505) 326-9208

Objective: Run Scraper run, Set CIBP, Load Hole, Run CBL on 7" casing, Perforate and Squeeze casing based on CBL results, Pressure test plug, Test Bradenhead for water or pressure. Drill out plug, Pressure test casing, Drill out CIBP, Clean out Wellbore, return to production.

1. Run Scraper to top of PC perforations
2. Set CIBP and load hole – Pressure test
3. Run CBL to confirm top of cement behind 7" casing
4. Perforate 7" casing based on CBL results – desired to squeeze bottom of 9-5/8" casing shoe
5. Run cement retainer and squeeze 7" annulus – walk squeeze up bradenhead valve
6. WOC 24hrs. Pressure test plug to 500psig
7. Drill out plug and pressure test casing to 500psig
8. Drill out CIBP and cleanout to PBTD
9. Return well to production.

Well History:

Well open hole completed in 1953. Ran 5-1/2" casing in 1960 – well has slight water production from the bradenhead during testing. Suspect shallow water 300-600' interval is source. Plan to shot holes below the 9-5/8" casing shoe and attempt to circulated some cement up the bradenhead to isolate water source from surface. Well is a low rate producer but repairs are economic to make.

Procedure: Notify BLM and NMOCD 24 hours prior to beginning cement repair operations.

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
3. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.

4. RU slickline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string. BHA consists of 1.78" I.D. F-nipple @ 4431' - 4' sub - and 1.87" I.D. X-nipple @ 4426'.
5. Open well and monitor/record pressures.
6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
7. Blow down well. Kill with 2% KCL water ONLY if necessary.
8. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier down the casing.**
9. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above max expected BHP of 450psig. Monitor flowing casing pressure with gauge throughout workover.
10. Pull tubing hanger and shut pipe rams and install stripping rubber.
11. RIH and tag fill, then TOO H with 2-3/8" production tubing currently set at 4433'. Visually inspect tubing while POOH.
12. TIH with bit and scraper for 7" casing and work scraper to 50' above PC top perforation at 2099' with approved barrier. Check the distance between the top of the blind rams and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. POOH w/ scraper.
13. RIH w/ CIBP and set 50' above PC top perforation 2050' to prep for repair work. Pressure test bridge plug by loading hole w/ fluid then role hole. POOH w/ workstring.
14. RU WL and run CBL to check TOC behind the 7" casing. Review results with agency reps and engineer. Will need to consult with agencies and engineering after CBL is run to determine correct perforation depth for remedial cementing.
15. If cement top is not covering 9-5/8" casing shoe (293') then RU WL and perforate 50' below 9-5/8" casing shoe as we suspect stringy cement in the area just below the 9-5/8" casing. RD WL.
16. RIH w/ workstring with 7" RBP and 7" packer set 1jnt above RBP. Set RBP 40' below perforations shot in step 15. Pull up one joint and set packer. Spot 1-2' of sand on top of RBP and pressure test.
17. Release packer and pull up one more joint. Set packer and pressure test backside to 500psig.
18. RU cementers. Attempt to circulate fluid down the tubing and up the bradenhead valve thru the perforations in step 15. If circulation is possible then cement interval. If circulation is

not possible - pump and displace 60 cu. ft. of G-Class cement down the tubing and hesitation squeeze up to 1000psig with the bradenhead valve open. This will walk the squeeze up the bradenhead and seal off the water bearing formations below. POOH w/ packer and WOC.

19. After a 24hr shut-in time note the casing and bradenhead pressure on well in DIMS. Blow down bradenhead and document pressure and/or presence of water coming from the bradenhead. Notify agencies and engineer of results. Further remedial cementing may be required if bradenhead still has pressure and/or water flow.
20. If no pressure or flow is present on the bradenhead proceed with drilling out the cement plug. Pressure test casing to 500psig before retrieving the RBP to ensure casing integrity. If hold pull out RBP.
21. RIH with workstring and mill to drill out CIBP then clean out to PBTD of 4614'. TOH.
22. RIH with 2-3/8" original production tubing, if tubing inspected to be in good condition – tubing is 2003 vintage. (With muleshoe, 1.78" F-nipple with plug, 4 ft pup, 1.87" X-nipple with plug).
23. Land 2-3/8" production tubing at +/- 4433'. Lock down tubing hanger.
24. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to the surface. Check all casing string for pressure. **The operations of removal of BOP's and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.**
25. ND BOP's. NU Wellhead. Pressure test Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
26. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel. RD slickline.
27. Test well for air. Return well to production. RD and release all equipment. Remove all LOTO equipment.
28. Ensure all reports are loaded into DIMS. Print out summary of work and place in well file. Have discussion with production about particulars of well when handing off the well file.

Schwerdtfeger A LS #1

Sec 36, T28N, R9W

API #: 30-04506958

History

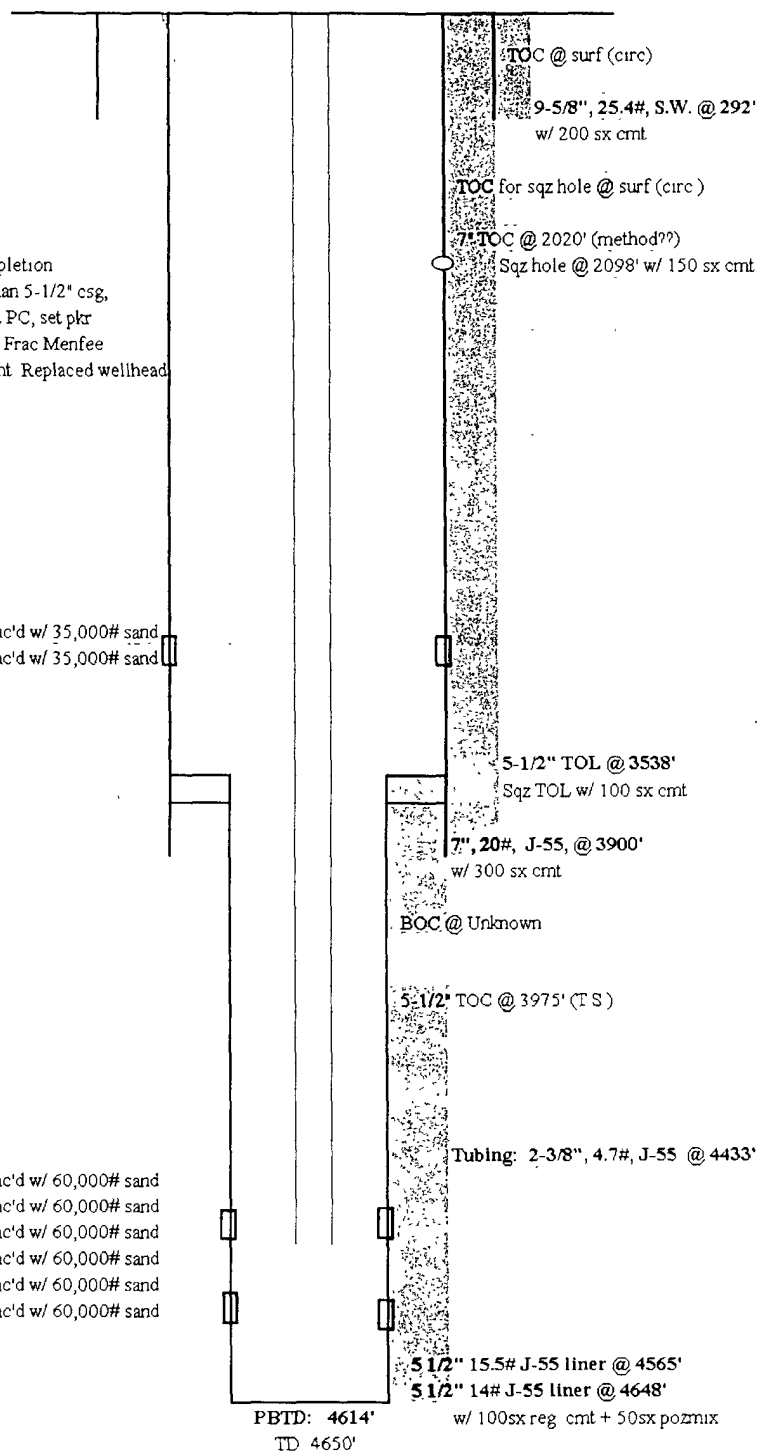
-3/15/53- Spud as OH completion
 -2/21/60- CO Open hole, Ran 5-1/2" csg,
 perf & frac MV & PC, set pkr
 DHC'd in 2003 and Did not Frac Menfee
 due to poor cement Replaced wellhead

PC perforations

2099' - 2119', w/ 2 SPF, frac'd w/ 35,000# sand
 2126' - 2138', w/ 2 SPF, frac'd w/ 35,000# sand

MV perforations

4356' - 4364', w/ 2 SPF, frac'd w/ 60,000# sand
 4382' - 4392', w/ 2 SPF, frac'd w/ 60,000# sand
 4400' - 4408', w/ 2 SPF, frac'd w/ 60,000# sand
 4412' - 4422', w/ 2 SPF, frac'd w/ 60,000# sand
 4428' - 4438', w/ 2 SPF, frac'd w/ 60,000# sand
 4460' - 4470', w/ 2 SPF, frac'd w/ 60,000# sand



updated 11/9/06 ADB