Form 3160-5
(August 1999)

RCVD MAR22'07
OIL CONS. DIV.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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.

2007 MAR 19 AM 11:54

RECEIVED
210 FARMINGTON NM

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No. SF - 080957

6. If Indian, Allottee or tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Lorraine Gas Com 1M

2. Name of Operator
BP America Production Company Attn: Cherry Hlava

9. API Well No.
30-045-31891

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
Basin Dakota/Blanco Mesaverde

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2415' FSL & 1880' FEL Sec. 26 T30N, R08W

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	TYPE OF ACTION			
■ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	■ Other **Plug DK & Produce as MV only**
	☐ Change Plans	☐ Plug and Abandon	☐ Water Disposal	
	☐ Convert to Injection	☐ Plug Back		

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.

On 5/26/04 BP requested to Temporarily Abandon the Dakota formation; approval was granted 5/26/04. This work was never accomplished.

BP respectfully request permission to Plug the Dakota formation & produce the Mesaverde only. The procedure proposes setting an additional cast iron bridge plug just below the MV perforations to protect the lower casing from liquids.

Please see the attached procedure. If you have any questions please contact Andrew Berhost @326-9208

14. I hereby certify that the foregoing is true an dcorrect
Name (Printed/typed)
Cherry Hlava Title **Regulatory Analyst**

Signature Cherry Hlava / T.C. Date **03/14/2007**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason** Title Date **MAR 2 0 2007**

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 witin its jurisdiction.

NMOCD

SJ Basin Well Work Procedure

Well Name: **LORRAINE GC 1M – MV/DK**
Date: **February, 28th 2007**
Repair Type: **Plug Back**

Location:	T30N-R8W-Sec26K	API #:	30-045-31891
County:	San Juan		
State:	New Mexico	Engr:	Andrew Berhost
Horizon:	Mesa Verde / Dakota		Office (505) 326-9208
			Mobile (505) 486-0139
			fax (505) 326-9262

Objective: TOH, Set CIBP, PT CIBP, Pump DK cement plug, set secondary CIBP, TIH w/ production tubing

1. TOH with tubing
2. Set CIBP 50' above DK perforations
3. Pressure test CIBP
4. Pump 200' DK cement plug
5. Set Secondary CIBP 150' below MV perforations
6. Pressure test CIBP
7. RIH with production tubing
8. RD, ND, NU wellhead

History: Completed in 12/03 as MV/DK. DK was slick water frac'd and not immediately flowed back before stimulating the MV formation. Liquid loading from the DK formation has caused the well to underperform since completion. The well has been a habitual swab in well and frequently logs off due to DK liquids in combination w/ high variability in line pressure on the lateral. Plan to P&A the DK formation and isolate the 4-1/2" casing just below the lower MV perforations to the top of the DK cement plug w/ a Cast Iron bridge plug. This will protect the casing from exposure to MV liquids and preserve wellbore casing integrity.

Procedure:

1. Contact BLM and NMOCD 24hrs before proceeding with cement work.

2. 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.

3. Perform second site visit after lines are marked to ensure all lines clear marked pit locations and that planning and scheduling had location ready for rig.

4. Hold pre-job safety meeting and discuss all JSA's with all BP and third party personnel. The Pre-job safety meeting should cover: heavy lifts, pinch points, location hazards, pressure hazards, and proper PPE

5. 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.

6. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.

7. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.

8. Blow down well. Kill with 2% KCL water ONLY if necessary.

9. 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 on the backside.

10. 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 BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.

11. Pull tubing hanger and shut pipe rams and install stripping rubber.

12. TOH with 2-3/8" production tubing currently set at 7232'. LD tubing and visually inspect when POOH – (3yr old tubing w/ 1.9% CO2 content gas)

13. RIH with 4-1/2" CIBP and packer. Set CIBP 50' above DK perforations approx at 6990'. TOH with one joint and set packer. Pressure test CIBP to 750psig.

14. Release packer and TOH.

15. RIH with 2-3/8" workstring open ended and spot a 200' (17.4 cu. ft.) cement plug on top of CIBP. TOH.

→ Place a cement plug from 5976'-5876' + 50' excess to cover the Gallup top.

16. RIH with 4-1/2" CIBP and packer. Set RBP 150' below bottom of MV perforations approx at 5200'. TOH with one joint and set packer. Pressure test CIBP to 750psig. TOH.

17. Rabbit tubing and RIH w/ original 2-3/8" tubing (if visual inspection is good). Land tubing at 5015'.

18. Lock down tubing hanger.

19. 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 surface or above the hanger. Check all casing string for pressure. The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.

20. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange. Pressure test Wellhead.

21. 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.

22. RD slickline unit.

23. Test well for air. Return well to production. RD and release all equipment. Remove all LOTO equipment.

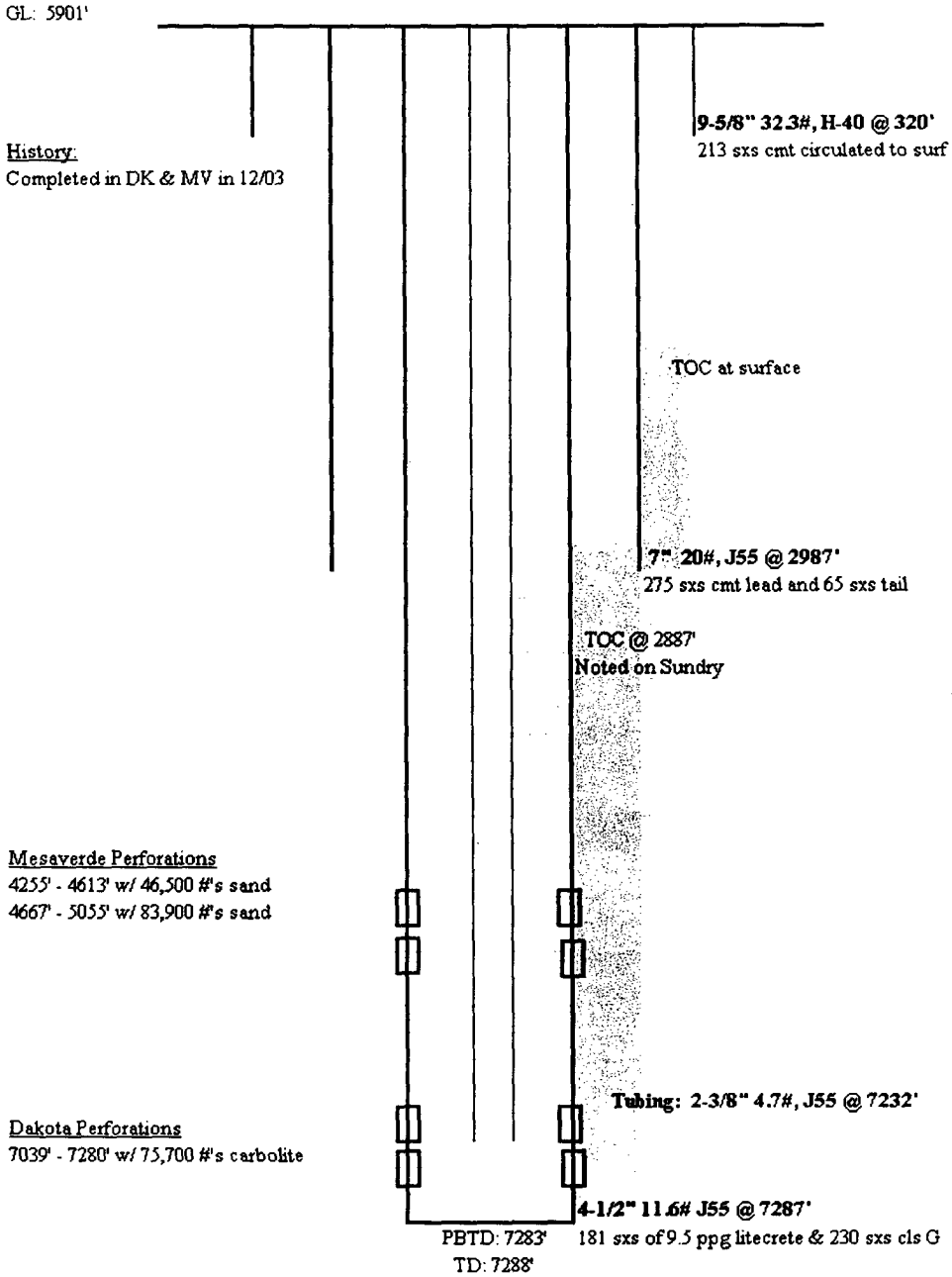
24. Ensure all reports are loaded into DIMS. Print out summary of work and place in well file. Have discussion with production team about particulars of well when handing off the well file.

Current Wellbore Schematic

Lorraine GC 1 M

Sec 26, T30N, R8W

API # 30-045-31891



Formation tops: Cliff House 4246
Menefee 4593
Point Lookout 4956
Dakota 6973

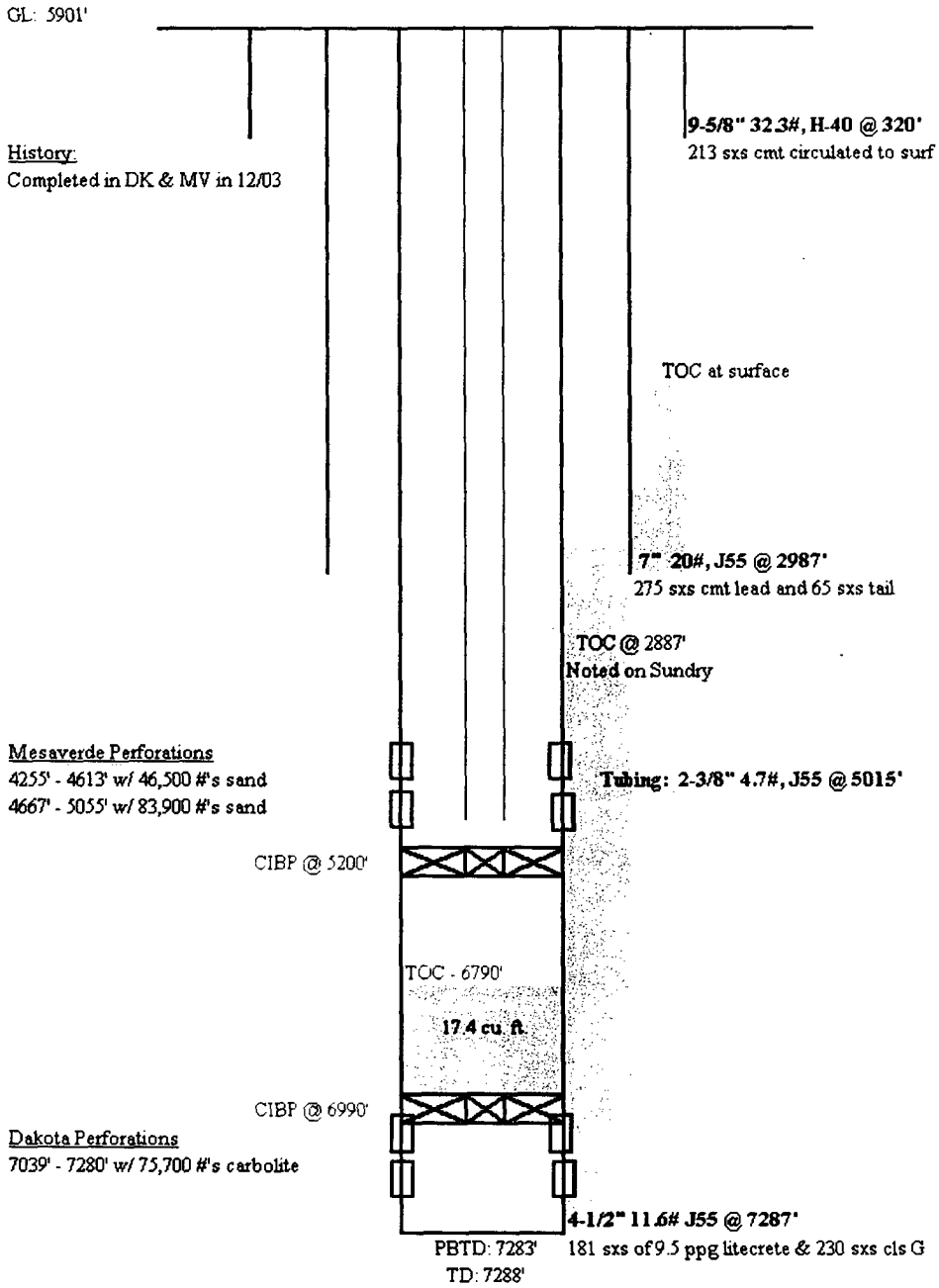
updated: 7/12/05 GKC

Desired Wellbore Configuration

Lorraine GC 1 M

Sec 26, T30N, R8W

API # 30-045-31891



Formation tops: Cliff House 4246
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Dakota 6973

updated: 3/12/07 ADB