Form 3160-5 (August 1999)

UNITED STATES

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.	Lease Serial No.	/

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an						NMNM - 04208			
Abandoned well.		-			22	F 76.1	If Indian, Affortee	or tribe	Name
SUBMIT IN TRIPLIC	CATE -	Other instr	ucti				If Unit or CA/Agro	eement,	Name and/or No.
I. Type of Well Oil Well	Gas Well	Other		079 FA	<u> </u>	10 TO 1 8.	Well Name and N		y LS 4E
2. Name of Operator BP America Production Company Attn: Cherry Hlava			9.						
3a. Address 3b. Phone No. (include area code) P.O. Box 3092 Houston, TX 77253 281-366-4081				10.	Field and Pool, or Basin Dak		atory Area anco Mesaverde		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NENW 730' FNL & 1510' FWL Sec. 14 T28N, R09W				11.	County or Parish, San Juar		ty, New Mexico		
12. CHE	CK APPRO	PRIATE BOX(I	ES) TO) INDICATE NATUR	E OR N	OTICE;	REPORT, OR OTI	HER DA	ATA
TYPE OF SUBMISSION	TYPE OF ACTION								
Notice of Intent	Acidi	ze Casing		Deepen Fracture Treat		Production Reclama	on (Start/Resume)		Water shut-Off Well Integrity
Subsequent Report	_	ig Repair ge Plans		New Construction Plug and Abandon		Recompl Water I	ete Disposal	X	Other Chng 7" Csg Depth
Final Abandonment Notice	_	ert to Injection	<u> </u>	Plug Back		Water 1	on position and the second sec		
13. Describe Proposed or Completed of If the proposal is to deepen direct Attach the Bond under which the following completion of the involtesting has been completed. Final that the site is ready for final inst On 3/30/05 BP America	tionally or re work will b ved operatio Abandonmen pection.	complete horizo be performed or ns. If the opera t Notices shall be	ntally, provid tion re filed o	give subsurface location e the Bond No. on file sults in a multiple comp only after all requirements	ns and m with BL pletion of s, including	neasured .M/BIA. r recomp ng reclam	and true vertical de Required subseque letion in a new inte lation, have been con	pths of ent repo rval, a l npleted,	all pertinent markers and zones. rts shall be filed within 30 days form 3160-4 shall be filed once and the operator has determined

up hole & complete into the Mesaverde as per the original drilling permit approved on 12/9/04. (DHC 1732AZ)

While completing the DK formation the cement top was recorded at 3868' therefore requiring cement remediation prior to completing the Mesaverde remediation prior to completing the Mesaverde.

	Please see attached the Mississipping	MAR 2006		
14.	Adhere to previously iss I hereby certify that the foregoing is true and correct Name (Printed/typed)	sued stipulations.		COL (W.
	Cherry Hlava	Title Regulat	tory Analyst	
	Signature Churry Hlawa	Date 02/21/2	006	
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THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Math Halbert	Title PETE ENG Date 3/8/06
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 BIM- FFO

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.



Mesa Verde/Dakota Infill Drilling Well **Completion Procedure**

Well Name:

Magnievils 4Establish

Version:

Date:

Summary of Objectives

- 1. RU SU. POOH w/ completion string.
- 2. Set bridge plug to isolate DK formation.
- 3. Perform remedial cement work to isolate the MV Pt. Lookout.
- 4. Perforate and frac (one-stage N2 Foam) the MV Pt. Lookout.
- 5. Perform remedial cement work to isolate the Menefee.
- 6. Perforate and frac (one-stage N2 Foam) the MV Menefee.
- 7. Clean out MV, perform flow test for production allocation.
- 8. Drill out isolation plug, commingle MV/DK and clean out wellbore to PBTD.
- 9. Run completion string. RDSU
- 10. Turn well back to production.

Pertinent Information

Location

Sec14, 28N-9W

Horizon

Basin Dakota/Mesaverde

County

San Juan

Engineer

John Papageorge

State

New Mexico

Phone #s 281-366-5721 wk. 713-822-5053 cell

API Number

30-045-32511

Geologist Jim Perkins

Well Flac

Phone # 281-366-0713

SAP Number Need new

Note: BTU content of the produced gas will exceed 1100. Therefore, adhere to requirements as detailed in Venting and Flaring document.

HSE Observations and Issues

- 1. Materials and equipment taken to site will be handled with extreme care to reduce any potential hazard to the environment.
- 2. A safety meeting will be held at the beginning of each event. The site and surrounding area will be kept clean and tidy throughout all operations with appropriate warning signs will be placed around work area.
- 3. Flare whenever possible to reduce green house gas emissions. Record in DIMS
- 4. KPI's will be agreed upon on-site prior to perforating and stimulation operations.
- 5. Risk Assessment to be performed.

Completion Procedure

Note: As applicable within the following completion program, reference the following BP DWOP documents for detailed procedures with regard to:

Under-Balanced Well Control Tripping Procedure (Proc # NOP-7812, Rev 1)
Procedure for Flowback Operations (Proc # NOP-7814)
Wellbore Air Purge (Proc # NOP-7804-01, Rev 1)
Procedure for At-Risk Well Locations (Proc #NOP-7803-01, Rev 5)

- 1. Check and record tubing, casing and bradenhead pressures. Ensure production casing has double casing valves installed. Meet with stimulation service company to determine number of frac tanks required and the layout of the site. Locate frac tanks and fill.
- 2. RU slickline equipment. RIH and set two barriers for isolation.
- 3. MI RU service unit. Conduct daily and event-specific safety meetings and JHAs with all personnel on site.
- 4. Blow well down and kill w/2% KCl water only as necessary. Check all casing strings to ensure no pressure exists on any annulus. Note: The operation for removal of wellhead and installation of BOPs will be performed under a dispensation for one barrier on the backside.
- **5.** ND wellhead. NU BOPs and diversion spool with 3" outlet and 3" pipe to the blow tank. Pressure test BOPs.
- **6.** Pull tubing hanger, shut pipe rams and install stripping rubber.
- 7. PU extra tubing joints as necessary to RIH and tag for fill. Tubing currently set at 6541'. POOH and stand back tubing.
- 8. Rig up electric line equipment and set 4-1/2" composite bridge plug at 4825' to isolate Dakota. Make sure well is static and all valves are closed when running in the hole with plug and setting tool. Load hole with 2% KCL. Pressure test plug and casing to 1500 psi using rig pump.

Note: Remedial cement work will be required prior to proceeding with Menefee completion.

- 9. Perforate 4 squeeze holes at 4335'. Set retainer and perform cement squeeze. Drill out retainer and cement. Run CBL. If sufficient annular isolation is evident, proceed with Pt. Lookout completion.
- 10. Conduct risk assessment (JHA) prior to perf and frac operations. NOTE: Follow Schlumberger Explosive SOP. Any electronic device that transmits a signal should be shut off or prohibited from within 300' of location. Also, ensure all vehicle data recorder (VDR) systems are disabled prior to driving on location. Contact control center at 326-9475 for verification.

LOWER MESA VERDE (Pt. Lookout) Stage

11. Perforate the lower Mesa Verde (*Point Lookout formation*) with 120° phasing as follows:

4625, 4615, 4562, 4528' @ 4 spf = 16 holes

4504; 4490; 4475, 4467, 4461, 4454; 4446; @3 spf = 21 holes

4385, 4378, 4370, 4362, 4353, 4344' @ 4 spf = 24 holes

- **12.** POOH with plug/gun assembly and check firing rate of guns. Immediately report to Houston if firing rate less than 100% to determine if additional runs need to be made.
- **13.** RU wellhead isolation tool and Service Company equipment. Pressure test all lines and equipment. Frac the lower Mesa Verde interval as per service company schedule.
- 14. Flow back to clean up sufficiently after frac.

Note: Remedial cement work will be required prior to proceeding with Menefee completion.

15. Set bridge plug 4300' and pressure test. Perforate 4 squeeze holes at 4000'. Set retainer and perform cement squeeze. Drill out retainer and cement. Run CBL. If sufficient annular isolation is evident, proceed with Menefee completion.

UPPER MESAVERDE (Menefee) STAGE

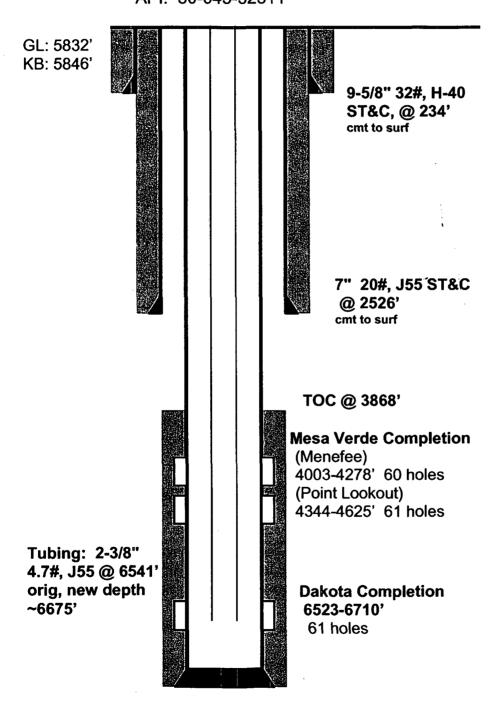
16. Rig-up electric line equipment. Perforate the upper Mesaverde (Menefee formation) using 120° phasing as follows:

4278, 4270, 4244, 4235, 4229, 4200, 4187, 4155, 4127, 4110, 4090, 4075, 4061, 4014, 4003' @ 4 spf = 60 holes

- **17.** POOH with guns. Immediately report to Houston if firing rate less than 100% to determine if additional runs need to be made. RD perforating equipment.
- **18.** Rig-up service company equipment and pressure test all lines to 3000#. Frac the Upper MV per Schlumberger pump schedule.
- 19. Rig down stinger and frac equipment. Open well up on ½" choke and flowback overnight to clean up MV frac. After initial 8 hour flowback, open on ½" choke for 8 hours and then ¾" choke until stabilized.
- **20.** RIH w/bit on 2-3/8" tubing. Knock out isolation plug at 4300' and clean out wellbore to the top of bridge plug at 4825'.
- **21.** When Mesaverde has been cleaned sufficiently, perform the 12-hour governmental flow test.
- 22. RIH with 2 3/8" tubing and drill out plug at 4825'. Pick up additional tubing and proceed with RIH to PBTD. Clean out fill as necessary. Flow back MV/Dakota to clean up. When well has cleaned up sufficiently, POOH with tubing and bit.
- 23. Pick up and run 2 3/8" production tubing. Bottom assembly made up of: 2-3/8" expendable pump thru-check valve (ball shear type), 2' sub, "F" landing nipple, 4' sub, "X" landing nipple with plug. Land tubing in lower section of Dakota formation at approximately 6675'.
- **24.** Install do-nut (wrap-around), and land into wellhead. Set lockdown screws on donut. Make sure that donut is landed in hanger correctly.
- 25. Send appropriate information to Cherry Hlava (281-366-4081) to file the C-104.
- 26. Check pressures on all casing strings.
- 27. The operation of removal of wellhead and installation of BOPs will be performed under a dispensation for one (1) barrier on the backside. Nipple down BOP's, install Xmas tree and test to 3000 psi. If wellhead tests ok, retrieve "X"plug. If not, check seals on wellhead and re-test. Pump out pump-through check valve and unload well. SI.
- 28. RDMO Service rig
- 29. Install flowline and surface facilities. Produce the well to sales line.

McCulley LS 4E

Sec. 14, T28N R 9W API: 30-045-32511



PBTD to 6722' TD @ 6730' **4-1/2" 11.6#, P-110 LT&C @ 6724'** marker jts @ 3301' & 6373'

Updated: 11/30/05 JLP/JMP