Form 3160-5
(August 2007)

AMEND DHC 3446

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No: **SF – 078487-A**

6. If Indian, Allottee or tribe Name:

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

RECEIVED
DEC 17 2008
Bureau of Land Management
Farmington Field Office

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

8. Well Name and No.: **Pritchard 3A**

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

9. API Well No.: **30-045-22345**

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 MV, PC & Basin FC**

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: **1000' FSL & 800' FEL Sec. 31 T29N, R08W SESE**

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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
☐ Subsequent Report	☐ Change Plans	☐ Plug and Abandon	☐ Water Disposal	**Amend DHC 3446 permit**
☐ Final Abandonment Notice	☐ 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

COMPLIANCE WELL

DHC 3446 dated 5-9-05 approved the Quad-Mingling of MV, PC, FC & Otero Chacra in the above mentioned well.
BP respectfully requests permission to amend said permit. It is BP's intent to DHC the MV, PC & FC. This change eliminates the Otero Chacra Pool.
The working, royalty & overriding royalty interest owner in the proposed commingled pools are identical, therefore no notification is required.
The Allocation will be based on the subtraction method using production declines for the PC & MV with remaining production attributed to the Basin Fruitland Coal.
Commingling production downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.
The NMOCD Santa Fe office has been notified.

RCVD JAN 7 '09
OIL CONS. DIV.

Please see the attached revised procedure and the MV & PC declines. DHC or Lor Changes pending?

14. I hereby certify that the foregoing is true an dcorrect
Name (Printed/typed)

Cherry Hlava Title **Regulatory Analyst**

Signature *Cherry Hlava* Date **12/16/08**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason **NMOCD** Title Date JAN 06 2009

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.

BP SJ Basin Proposed Regulatory Well Work Procedure
DHC MV, PC & FC

Well Name: **Pritchard 3A**
Date: **December 15, 2008**
Location: **Sec 31 T29N R08W**
API: **30-045-22345**
Engineer: **Matthew Mientka (281.366.5721)**

Objective: Perforate and frac Fruitland Coal, and downhole Tri-mingle FC, PC, and Mesa Verde.

1. TOH with PC completion.
2. TOH with Packer and MV completion
3. Perforate and fracture Fruitland Coal
4. Land tbg and return well to production.
5. Downhole tri-mingle FC, PC, and Mesaverde.

Well History:

This well has been producing from the Mesa Verde since 1977. In 1979 the Pictured Cliffs formation was added and the well was completed as a dual producer. The 2-3/8" tubing is landed at 4695' and the 1 1/4" tubing is landed at 2335'. The well is currently not producing from either formation.

The objective is to recomplete this well to include the Fruitland Coal and commingle with the existing MV and PC production. The job scope is to pull the dual completion, perforate and fracture stimulate the Fruitland Coal formation, clean out to TD, and commingle production. A cast iron bridge plug will be set at ~ 2600' to isolate the Mesa Verde throughout the recompletion.

Pertinent Information: Gas BTU content for this well is above 950. Therefore, venting and flaring document needs to be followed.
Notes:
Casing data : 4 ½" production liner, 10.5# J-55 @ 4820' (75% of burst is 3592 psi)
7" Casing 23# K-55 @ 2703' (75% of burst is 3270 psi)
PBTD: ~4800'
Vertical well
Well site will require inspection and possible clearing for rig and fracture treatment
Isolation tool (stinger) required for stimulation treatment

Regulatory Procedure:

1. Perform pre-rig site inspection.

2. RU wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers for isolation in both tubing strings.

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

4. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.

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

6. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs

7. Install stripping rubber.

8. TOH and LD 1 1/4" production tubing currently set at 2,335'. Using approved "Under Balance Well Control Tripping Procedure".

9. TOH and LD 2 3/8" production tubing currently set at 4695'. Using approved "Under Balance Well Control Tripping Procedure".

10. Fish and TOH w/ 4 1/2" model D packer.

11. TIH w/ BHA for scraper run. Scrape 4 1/2" casing to ~2600' and 7" casing to top of PC @ 2294'.

12. RIH and set 4 1/2" bridge plug at 2600'.

13. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from TOL @ 2383' to surface.

14. TIH w/ RBP for 7" casing and set above Pictured Cliffs. Spot 3 sx of sand on RBP.

15. Rig up wireline and pressure test lubricator. RIH with 3-1/8" casing guns. Perforate FC formation.

16. Rig up Frac equipment and personal. Pressure test equipment. Frac Fruitland Coal according to designed frac procedure.

17. Flowback frac immediately. Flow well through choke manifold on 1/8" 1/4", 1/2" and 3/4" chokes increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.

18. Rig up air package/unit, pressure test all lines. TIH with tubing and cleanout fill to top of plug set at 2600'. **Perform well test on FC for regulatory and document well test in DIMS.**

19. RIH with retrieving head and pull RBP set above Pictured Cliffs.

20. Pick up bit for 4 1/2" and drillout CIBP @ 2600' and cleanout to PBTD @ 4,800'. Blow well dry. POOH

21. Rabbit tubing and RIH with 2-3/8" production tubing (with wireline entry guide, F-nipple with plug, 4 ft pup, X-nipple with plug).

22. Land 2-3/8" production tubing at +/-4,730'. Lock down hanger.

23. Pressure test tubing to 500 psi with air unit.

24. ND BOP's. NU 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.

25. RU WL unit. Broach 2-3/8" tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.

26. RD slickline unit.

27. Test well for air. Return well to production and downhole tri-mingle FT, PC, and Mesa Verde.

Matthew Mientka
Wellwork PE
BP San Juan - Base Conventional Team
Office: 281.366.5721
Email: Matt.Mientka@bp.com

WELL NAME:	Pritchard 3A		
LOCATION:	1000' FSL	800' FEL	
SEC/TWN/RNG	31	T29N	R8W
COUNTY, ST:	San Juan Co., NM		
WELL TYPE:	Gas		
BP WI:	50.0%	**NRI:**	33.6%

	BOPD	BWPD	MCFD
PC IP			2,385
MV IP			5,135

SPUD DATE:	05/19/77
RIG REL:	05/23/77
COMP DATE:	06/20/77
FORMATION:	Pictured Cliffs / Mesa Verde
API#:	30-045-22345

INTERMEDIATE CASING DESIGN

7"		
63 jnts	k-55	23#/ft

SET @	2703'
1st Stg CEMENT	250 sx POZ
TAIL IN W/	150 sx Class 'B'
TOC	Surface
Det. By	Circulated

PRODUCTION LINER DESIGN

4 1/2"		
68 jnts	J-55	10.5# & 11.6#

SET @	2383' - 4820'
CEMENT W/	250 sx 65-35 Pzmix + 12% gel
	+12.5# gilsonite
TAIL IN W/	150 sx Class 'B' w/ 3% CaCl
CMT TOP @	
DETER. BY	Circulated

	PERF. DATA:	SPF	FORM.
3	2294' - 2300'	4	PC
3	2304' - 2308'	4	PC
3	2316' - 2326'	4	PC
2	3929' - 4351'	20 holes	Mesa Verde
1	4410' - 4753'	20 holes	Mesa Verde

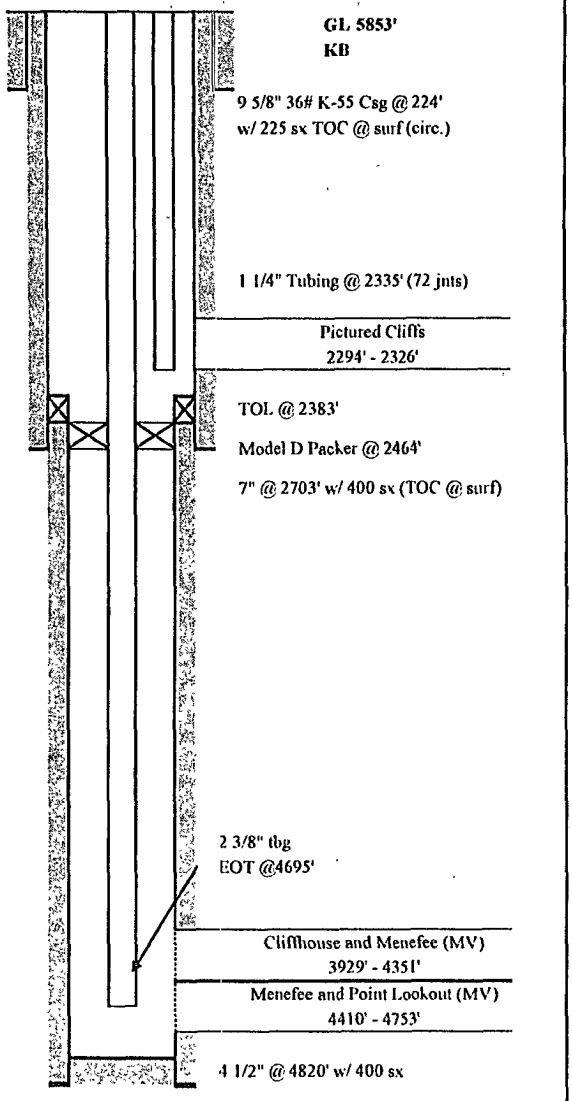
TUBING DATA

2 3/8"	J-55	4.7 #/ft

SET @	4695'
PACKER	Model D @ 2465'
S.N ID / @	

Prepared By : Matt Mientka
Date : 11-Aug-08

Pritchard 3A



FRAC JOB: (1) - Sand/water' Frac with 100,000# 20/40 sand
(2) - 'Sand/Water' Frac witht 100,000# 20/40
(3) - 25,000 gal 70Q N2 Foam w/ 30000# 10/20 sand and 300,500 SCF N2
AVG 1500psi @ 20 BPM.

NOTES: PC added in 1979, fraced down annulus

Pritchard 3A													
MesaVerde Formation													
API #	**3004522345**												
Starting 1/96 thru 11/11													
Exponential Decline													
Qi =	**69.0**	**mcfd**	**1-Nov-2005**										
Qf =	**53.54**	**mcfd**											
D =	**8.11%**	**per year**											
Starting 12/11 thru 12/36													
Exponential Decline													
Qi =	**53.54**	**mcfd**											
Qf =	**5.00**	**mcfd**											
D =	**9.00%**	**per year**											
Date	**Gas Rate mcf/d**	**Gas Volume MMSCF**	**Date**	**Gas Rate mcf/d**	**Gas Volume MMSCF**	**Date**	**Gas Rate mcf/d**	**Gas Volume MMSCF**	**Date**	**Gas Rate mcf/d**	**Gas Volume MMSCF**		
Nov-08	68.63	2.06	Nov-11	53.37	1.60	Nov-14	40.22	1.21	Nov-17	30.31	0.91		
Dec-08	68.15	2.11	Dec-11	52.95	1.64	Dec-14	39.90	1.24	Dec-17	30.07	0.93		
Jan-09	67.84	2.10	Jan-12	52.39	1.62	Jan-15	39.59	1.23	Jan-18	29.83	0.93		
Feb-09	67.38	1.89	Feb-12	51.98	1.51	Feb-15	39.29	1.10	Feb-18	29.60	0.83		
Mar-09	66.92	2.08	Mar-12	51.58	1.60	Mar-15	38.99	1.21	Mar-18	29.38	0.91		
Apr-09	66.45	1.99	Apr-12	51.18	1.54	Apr-15	38.68	1.16	Apr-18	29.15	0.87		
May-09	65.98	2.05	May-12	50.78	1.57	May-15	38.38	1.19	May-18	28.92	0.90		
Jun-09	65.52	1.97	Jun-12	50.38	1.51	Jun-15	38.08	1.14	Jun-18	28.69	0.86		
Jul-09	65.06	2.02	Jul-12	49.99	1.55	Jul-15	37.78	1.17	Jul-18	28.47	0.88		
Aug-09	64.59	2.00	Aug-12	49.59	1.54	Aug-15	37.48	1.16	Aug-18	28.24	0.88		
Sep-09	64.14	1.92	Sep-12	49.20	1.48	Sep-15	37.18	1.12	Sep-18	28.02	0.84		
Oct-09	63.68	1.97	Oct-12	48.82	1.51	Oct-15	36.89	1.14	Oct-18	27.80	0.86		
Nov-09	63.24	1.90	Nov-12	48.43	1.45	Nov-15	36.60	1.10	Nov-18	27.58	0.83		
Dec-09	62.79	1.95	Dec-12	48.06	1.49	Dec-15	36.31	1.13	Dec-18	27.36	0.85		
Jan-10	62.34	1.93	Jan-13	47.80	1.48	Jan-16	35.93	1.11	Jan-19	27.15	0.84		
Feb-10	61.92	1.73	Feb-13	47.44	1.33	Feb-16	35.65	1.03	Feb-19	26.94	0.75		
Mar-10	61.49	1.91	Mar-13	47.08	1.46	Mar-16	35.37	1.10	Mar-19	26.74	0.83		
Apr-10	61.06	1.83	Apr-13	46.71	1.40	Apr-16	35.10	1.05	Apr-19	26.53	0.80		
May-10	60.63	1.88	May-13	46.34	1.44	May-16	34.82	1.08	May-19	26.32	0.82		
Jun-10	60.20	1.81	Jun-13	45.98	1.38	Jun-16	34.55	1.04	Jun-19	26.11	0.78		
Jul-10	59.78	1.85	Jul-13	45.62	1.41	Jul-16	34.28	1.06	Jul-19	25.91	0.80		
Aug-10	59.35	1.84	Aug-13	45.26	1.40	Aug-16	34.01	1.05	Aug-19	25.70	0.80		
Sep-10	58.93	1.77	Sep-13	44.90	1.35	Sep-16	33.74	1.01	Sep-19	25.50	0.77		
Oct-10	58.52	1.81	Oct-13	44.55	1.38	Oct-16	33.48	1.04	Oct-19	25.30	0.78		
Nov-10	58.11	1.74	Nov-13	44.20	1.33	Nov-16	33.21	1.00	Nov-19	25.10	0.75		
Dec-10	57.70	1.79	Dec-13	43.85	1.36	Dec-16	32.95	1.02	Dec-19	24.90	0.77		
Jan-11	57.28	1.78	Jan-14	43.50	1.35	Jan-17	32.78	1.02	Jan-20	24.64	0.76		
Feb-11	56.89	1.59	Feb-14	43.17	1.21	Feb-17	32.53	0.91	Feb-20	24.45	0.71		
Mar-11	56.51	1.75	Mar-14	42.84	1.33	Mar-17	32.29	1.00	Mar-20	24.26	0.75		
Apr-11	56.11	1.68	Apr-14	42.51	1.28	Apr-17	32.03	0.96	Apr-20	24.07	0.72		
May-11	55.71	1.73	May-14	42.17	1.31	May-17	31.78	0.99	May-20	23.88	0.74		
Jun-11	55.32	1.66	Jun-14	41.84	1.26	Jun-17	31.53	0.95	Jun-20	23.69	0.71		
Jul-11	54.93	1.70	Jul-14	41.51	1.29	Jul-17	31.28	0.97	Jul-20	23.51	0.73		
Aug-11	54.54	1.69	Aug-14	41.18	1.28	Aug-17	31.03	0.96	Aug-20	23.32	0.72		
Sep-11	54.15	1.63	Sep-14	40.86	1.23	Sep-17	30.79	0.92	Sep-20	23.14	0.69		
Oct-11	53.77	1.67	Oct-14	40.54	1.26	Oct-17	30.55	0.95	Oct-20	22.96	0.71		

Pritchard 3A												
Pictured Cliffs Formation												
API #	3004522345											
Starting 1/06 thru 11/11												
Exponential Decline												
Qi =	4.28	mcfd	1-Nov-2008									
Qf =	3.45	mcfd										
D =	6.90%	per year										
Starting 12/11 thru 4/32												
Exponential Decline												
Qi =	3.45	mcfd										
Qf =	0.50	mcfd										
D =	9.00%	per year										
Date	Gas Rate mcf/d	Gas Volume MMSCF	Date	Gas Rate mcf/d	Gas Volume MMSCF	Date	Gas Rate mcf/d	Gas Volume MMSCF	Date	Gas Rate mcf/d	Gas Volume MMSCF	
Nov-08	4.26	0.13	Nov-11	3.44	0.10	Nov-14	2.59	0.08	Nov-17	1.95	0.06	
Dec-08	4.23	0.13	Dec-11	3.41	0.11	Dec-14	2.57	0.08	Dec-17	1.94	0.06	
Jan-09	4.22	0.13	Jan-12	3.38	0.11	Jan-15	2.55	0.08	Jan-18	1.92	0.06	
Feb-09	4.19	0.12	Feb-12	3.35	0.10	Feb-15	2.53	0.07	Feb-18	1.91	0.05	
Mar-09	4.17	0.13	Mar-12	3.33	0.10	Mar-15	2.51	0.08	Mar-18	1.89	0.06	
Apr-09	4.15	0.12	Apr-12	3.30	0.10	Apr-15	2.49	0.08	Apr-18	1.88	0.06	
May-09	4.12	0.13	May-12	3.27	0.10	May-15	2.48	0.08	May-18	1.87	0.06	
Jun-09	4.10	0.12	Jun-12	3.25	0.10	Jun-15	2.46	0.07	Jun-18	1.85	0.06	
Jul-09	4.07	0.13	Jul-12	3.22	0.10	Jul-15	2.44	0.08	Jul-18	1.84	0.06	
Aug-09	4.05	0.13	Aug-12	3.20	0.10	Aug-15	2.42	0.08	Aug-18	1.82	0.06	
Sep-09	4.02	0.12	Sep-12	3.17	0.10	Sep-15	2.40	0.07	Sep-18	1.81	0.05	
Oct-09	4.00	0.12	Oct-12	3.15	0.10	Oct-15	2.38	0.07	Oct-18	1.79	0.06	
Nov-09	3.97	0.12	Nov-12	3.12	0.09	Nov-15	2.36	0.07	Nov-18	1.78	0.05	
Dec-09	3.95	0.12	Dec-12	3.10	0.10	Dec-15	2.34	0.07	Dec-18	1.76	0.06	
Jan-10	3.93	0.12	Jan-13	3.08	0.10	Jan-16	2.32	0.07	Jan-19	1.75	0.05	
Feb-10	3.90	0.11	Feb-13	3.06	0.09	Feb-16	2.30	0.07	Feb-19	1.74	0.05	
Mar-10	3.88	0.12	Mar-13	3.04	0.09	Mar-16	2.28	0.07	Mar-19	1.72	0.05	
Apr-10	3.86	0.12	Apr-13	3.01	0.09	Apr-16	2.26	0.07	Apr-19	1.71	0.05	
May-10	3.84	0.12	May-13	2.99	0.09	May-16	2.25	0.07	May-19	1.70	0.05	
Jun-10	3.81	0.11	Jun-13	2.97	0.09	Jun-16	2.23	0.07	Jun-19	1.68	0.05	
Jul-10	3.79	0.12	Jul-13	2.94	0.09	Jul-16	2.21	0.07	Jul-19	1.67	0.05	
Aug-10	3.77	0.12	Aug-13	2.92	0.09	Aug-16	2.19	0.07	Aug-19	1.66	0.05	
Sep-10	3.75	0.11	Sep-13	2.90	0.09	Sep-16	2.18	0.07	Sep-19	1.64	0.05	
Oct-10	3.72	0.12	Oct-13	2.87	0.09	Oct-16	2.16	0.07	Oct-19	1.63	0.05	
Nov-10	3.70	0.11	Nov-13	2.85	0.09	Nov-16	2.14	0.06	Nov-19	1.62	0.05	
Dec-10	3.68	0.11	Dec-13	2.83	0.09	Dec-16	2.13	0.07	Dec-19	1.61	0.05	
Jan-11	3.66	0.11	Jan-14	2.81	0.09	Jan-17	2.11	0.07	Jan-20	1.59	0.05	
Feb-11	3.64	0.10	Feb-14	2.78	0.08	Feb-17	2.10	0.06	Feb-20	1.58	0.05	
Mar-11	3.61	0.11	Mar-14	2.76	0.09	Mar-17	2.08	0.07	Mar-20	1.56	0.05	
Apr-11	3.59	0.11	Apr-14	2.74	0.08	Apr-17	2.07	0.06	Apr-20	1.55	0.05	
May-11	3.57	0.11	May-14	2.72	0.08	May-17	2.05	0.06	May-20	1.54	0.05	
Jun-11	3.55	0.11	Jun-14	2.70	0.08	Jun-17	2.03	0.06	Jun-20	1.53	0.05	
Jul-11	3.53	0.11	Jul-14	2.68	0.08	Jul-17	2.02	0.06	Jul-20	1.52	0.05	
Aug-11	3.51	0.11	Aug-14	2.66	0.08	Aug-17	2.00	0.06	Aug-20	1.50	0.05	
Sep-11	3.49	0.11	Sep-14	2.64	0.08	Sep-17	1.99	0.06	Sep-20	1.49	0.05	
Oct-11	3.47	0.11	Oct-14	2.61	0.08	Oct-17	1.97	0.06	Oct-20	1.48	0.05	