

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

2003 SEP - 2 AM 11:00

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other		5. Lease Serial No. 459-NM-013686							
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☒ Diff. Resrv.		6. If Indian, Allottee or Tribe Name							
Other _____		7. Unit or CA Agreement Name and No.							
2. Name of Operator BP America Production Company		8. Lease Name and Well No. Pritchard A 1A							
3. Address P.O. Box 3092 Houston, TX 77253-3092		9. API Well No. 30-045-21792							
3a. Phone No. (include area code) 281-266-4081		10. Field and Pool, or Exploratory Basin Fruitland Coal							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 1 T30N R9W At top prod. interval reported below - At total depth		11. Sec., T., R., M., on Block and Survey or Arca							
14. Date Spudded 6/23/1975		15. Date T.D. Reached 7/1/1975							
16. Date Completed ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 6023 GL							
18. Total Depth: MD 5415' TVD		19. Plug Back T.D.: MD 5248' TVD							
20. Depth Bridge Plug Set: MD 3300' TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, GR, VDL							
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☒ No ☐ Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
9 5/8	12 1/4	26" K-55	26"	217'		300		Surf.	
7	8 3/4	K-55	23"	3206		450 500		Surf.	
4 1/2	6 1/4	liner 4 1/2"	2928'	5208'		300			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/8	2872'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Basin Fruitland Coal	2624'	2794'	2624'-2794'	3 3/8"	326				
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
2711' - 2805'	Frac w/ 125 200 # 20/40 sand, 1000 bbls Acid followed by 260 bbls gelled w/								
2620' - 2690'	Frac w/ 123 800 # 20/40 sand followed by 260 bbls X Link Gelled fresh water (see next pg for additional info)								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	8/8/03		→		Est 50	trace			Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"		51345	→					w/o pipeline	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

NMOCD

ACCEPTED FOR RECORD
SEP 08 2003
FARMINGTON FIELD OFFICE
BY

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Fruitland	2615'	2810'			
P.C.	2810'	2854'			
Lewis Shale	3200'	4575'			
Cliffhouse	4575'	4693'			
Menefee	4693'	5040'			
Pt. Lookout	5040'	5210'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Cherry Hlava Title Regulatory Analyst
Signature Cherry Hlava Date 8-28-03

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.

Pritchard A 1A
Recompletion to FC
08/28/2003

6/27/03 RU SU. BH 0 PSI, CSG 110 PSI, TBG 10 PSI. BLW WELL DN. NDWH; NUBOPs. TOH w/167 JTS. SDFN.

6/30/03 R NEUTRON/GAMMA 3600' – 100' FROM SURFACE. R SEVERAL PASSES. RESET PARAMETERS. R TDT 3600' – 500' FROM SURFACE. RD WL. TIH w/CIBP SET @5150' SIFN.

7/1/03 RU CEMENTERS. SPOT 200' CMT PLUG 5150' – 4950'. PMP 5 bbls WTR & 3 bbls CMT. FOLLOW w/5 bbls WTR. RD CMTRs. TOH w/SETTING TOOL. TIH w/CIBP SET @4625'. RU CMTRs. SPOT 126' PLUG 4625' – 4496'. PMP 5 bbls WTR PMP 2 bbls CMT. FOLLOW w/5 bbls WTR. RD CMTRs. TOH w/SETTING TOOL. TIH & SET CIBP @3300'. LOAD HOLE & PSI TEST TO 2500#. HELD GOOD FOR 15 MIN. SPOT 3rd CMT PLUG. 3300' – 2890'. PMP 6.5 bbls CMT. BALANCE 10 bbls WTR. RD CMTRs. SDFN.

7/2/03 RU WL. TIH LOG 2525' TO SURFACE. CHNG OUT CSG. VALVES PSI TEST TO 2000#. HELD GOOD. CHNG OVER TO HANDLE 2 7/8" TBG. TIH TAG CMT @2530'. DRILL OUT CMT TO 2812'. CIRC HOLE CLEAN.

7/3/03 DRILL OUT CMT TO 2888'. RD PWR SWIVEL. TOH w/BIT. RU WL TO RUN CBL 2888' TO 2500'. RD. TIH TO 1990', UNLOAD FLUID. TOH w/TBG. RU WL. TIH w/4" GUN & PERF FRUITLAND COAL 2624' – 2628'; 2680' – 2684'; 2714' – 2718'; 2790' – 2794' @2 SPF TOTAL 16 HOLES.

7/7/03 TIH w/BIT 2875'. RU AIR UNIT UNLOAD FLUID. NATURAL FLW. UNLOAD BLW w/AIR. NATURAL FLW FOR FLUID ENTRY. SINF.

7/8/03 SICP 0. RU AIR UNIT PUT AIR ON LINE. DID NOT GET ANY FLUID OUT. TOH w/BIT, TOOLS & GUAGES. TIH & SET RBP & PKR w/GUAGES. PU TO SWAB. NOTHING RECOVERED. SDFN.

7/9/03 SICP 12.5. TBG 0. TIH MOVE RBP & PKR TO TST 2714' - 2718' PERFS. RU SWAB MADE ON RUN RECOVERED NO FLUID. 0 PSI ON TBG. SION.

7/10/03 SICP 3.5 OZ UNSET PKR. TIH UNSET RBP MOVE TOOLS UP HOLE & RESET. LAST TST ON PERFS 2624' – 2628'. UNSET PKR & RBP. TOH LAY DN WK STRING. TIH w/2 3/8" TBG. NDBOP; NU FRAC VALVE SION.

7/11/03 RD SU. C/O CMT FROM RIG PIT.

7/23/03 RU TIH w/4" GUN & PERF FC 2711' – 2729'; 2785' – 2805' @ 2 JSPF TOTAL OF 76 HOLES.

7/24/03 SIP 2300#. SCHLUMBERGER COULDN'T SET CIBP UNDER PRESSURE CALLED DIFFERENT WL. TIH & SET CIBP @2700'.

7/25/03 TIH w/4" GUN & PERF FC 2620' – 2634'; 2634' – 2648'; 2677' – 2690'; @2 JSPF. PERF 2620' – 2623'; 2623' – 2628'; 2628' – 2648'; 2677' – 2690' @4 JSPF TOTAL OF 180 HOLES. RU FRAC CREW PRESSURE TEST LINES TO 4000 PSI, PMP 1000 GLS DID NOT BREAK DN COAL. PMP PAD ONLY WITH GEL 19 bbls @ 2700 PSI WENT TO CROSS LINK HIT MAX PSI 3000 @19

bbls SHUT DN PMP EQUIP. PERF SAME INTERVAL w/ 3 1/8' HIGH SHOT DENSITY 4 JSPF RU FRAC. START PMP PAD PRESSURE STAYED SAME. CALLED OFF FRAC.

7/29/03 SICP 0; ND FRAC Y NUBOPS. TAKE OFF PROTECTORS TALLY TBG. PU 86 JTS. TOH w/86 JTS. SDFN.

7/30/03 SICP 0 B 0. TIH & SET PKR @2660'. RU; BREAK DN BTM PERF INTERVAL 2677' - 2690'. PMP 1000 GLS 15% ACID BREAK AT 4000 PSI 1.5 bbls DISPLACE w/50 bbls 2% KCL. FINAL RATE 5 bbls. @3100 PSI. TOH w/PKR. TIH & SET RBP @2660'. TOH w/RETRV HEAD. TIH & SET PKR @2600'. RU SCHLUMBERGER BREAK DN PERF INTERVAL 2620'-2648' PMP 1000 GLS 15% ACID 4 bbls @ 3200 PSI DISPLACE w/57 bbls 2% KCL FINAL RATE STAYED THE SAME. RD PMP LINES. UNSET PKR. TOH. TIH w/RETRV HEAD; LATCH ONTO PLUG @2660' UNSET.

7/31/03 TIH w/2600' TBG. TOH LD 2600'. RU WL. TIH w/3.375" GUN & PERF 9' INTERVAL 2658' - 2663'; 2663' - 2667' @ 6 JSPF TOTAL OF 54 HOLES. ND BOP SHUT IN FRAC VALVE.

8/1/03 SPOT IN RIG UP EQUIP. PMP 1000 GLS ACID. PAD & 7000 lbs 40/70 JORDAN. HOSE BROKE. SHUT DN.

8/2/03 FRAC SECOND STAGE w/125,200 # 20/40 SND.

8/4/03 SPOT EQUIPT & RU. SICP 0 PMP 5 bbls WELLBORE FULL. ND FRAC VALVE & NP BOP. TIH w/MILL & 6 DRILL COLLARS & TBG RAN TO 1150'. PUT AIR ON LINE UNLOADED FLUID. TIH TAG FILL @2538'. C/O FIL TO CIBP @2700'. PROPNET IN WELLBORE. TOH PUT .5" CK IN FLW LINE.

8/5/03 SICP 115 BLW WELL DN. TIH TAG 40' FILL. C/O TO CIBP. 11 bbls PER HR. FLUID RETURNS NATURAL FLW. PUT IN 3/4" CK. VENTING NO PSI BULD UP. SI BUILD UP TO 25 PSI. UNLOAD FLUID. WELL DRYED UP; LIGHT MIST. SURG BUILD UP TO 250 PSI. SND & 12 bbls FLUID RETURNS.

8/6/03 SICP 230 BLW DN ON 3/4" CK. TIH TAG FILL @2635' C/O TO CIBP @2700'. RU SWIVEL. MILL OUT CIBP. C/O TO 2837'. TOH ABOVE PERFS.

8/7/03 SICP 290 BLW DN. TIH TAG FILL @2777'. C/O TO PBTD 2888'. RETURNS RATE 4 bbls PER HR. TOH ABOVE PERFS. SI.

8/8/03 SICP 345 BLW DN. TIH TAG 60' FILL. C/O TO PBTD. TOH w/MILL. LAY DN DRILL COLLARS. RU SLICK LINE. RUN AFTER FRAC LOG. RD SL. TIH w/NOTCH COLLAR & STRING FLOAT. TAG FILL @2847'. C/O. TOH ABOVE PERFS. SDFN.

8/11/03 SICP 350 BLW DN. TIH TAG FILL 2833'. C/O TO PBTD. NATURAL FLW. CLEANING OUT WELL. NATURAL FLW. TIH TAG NO FILL. TOH ABOVE PERFS SDFN.

8/12/03 SICP 210 BLW DN. C/O TO 2888'. TIH LAND TBG 2872'. NDBOP & RIG FLR. NPWH. TIH w/PMP 113 3/4 PLAIN RODS. SPACE OUT PMP. SEAT PMP & LOAD w/WTR TEST TO 500 PSI. HELD GOOD. LONG STROKE TO 600 PSI CLMP OFF SET ON STUFFING BOX. RDMO.