

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 20005. Lease Serial No. **14-20-603-7B2**
NMNM-759911a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other **2007 JAN 16 AM 11:35**
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resrv.
Other

2. Name of Operator

BP America Production Company Attn: Cherry Hava

3. Address

P.O. Box 3092 Houston, TX 77253

3a. Phone No. (include area code)

281-366-3866

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface

1450' FSL & 1740" FEL

At top prod. Interval reported below

At total depth

6. If Indian, Allottee or Tribe Name

8. Lease Name and Well No.

Navajo Allotted GC B 1

9. API Well No.

30-045-06991

10. Field and Pool, or Exploratory

Otero Chacra

11. Sec., T., R., M., on Block & Survey or Area

SEC 36; T28N; R09W

12. County or Parish

San Juan

13. State

New Mexico

17. Elevations (DF, RKB, RT, GL)*

5851' GR

14. Date Spudded

05/27/1957

15. Date T.D. Reached

06/05/1957

16. Date Completed

☐ D & A ☒ Ready to Prod.**1/11/2007**

18. Total Depth: MD

TVD

5224'**4580**

19. Plug Back T.D.: MD

TVD

5206'

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL CCL & GR22. Was well cored? ☐ No ☐ Yes (Submit analysis)Was DST run? ☐ No ☐ Yes (Submit report)Directional Survey? ☒ No ☐ Yes (Submit report)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13 3/4"	10 3/4"			215'		170 sx		0'	
8 3/4"	7 5/8"			2941'		340 sx		0'	
6 1/4"	5 1/2"			5224'		150 sx		Previously Filled	

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"	4408'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Chacra	3030'	3330'	3030' - 3330'			
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3030' - 3330'	275,514 LBS. of 16/30 Brady Sand @ 60 bbl/min

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
est 1/16/07	12/19/06	12	→	Trace	616 MCF	Trace			pmp
Choke Size	Tbg Press Flwg SI	Csg Press	24 hr Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	0	60#	→		1232			Rig down 1/15/07 turn to production	

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

FARMINGTON FIELD OFFICE

A2T-2256 (Attachment)

JAN 16 2007

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.)

Flared

30. Summary of Porous Zones (Included 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
				Previously Filed	

32. Additional Remarks (including plugging procedure)

Please see attached for subsequent report.

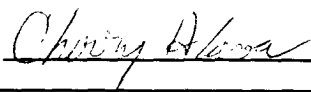
33. Circle enclosed attachments

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

Signature

Date 1/12/2007

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.

SUBSEQUENT REPORT: NAVAJO ALLOTTED GC B #1 30-045-06991 CHACRA PAY ADD

11/15/06 RU SLICK LINE - PULL TBG STOP - LEFT SLIPS IN TBG @ 4428 - TAG NO FLUID LEVEL - SET TWO G PLUGS 4409 & 4403 BLOW TBG DOWN - RIG DOWN SLICK LINE RIG UP LINES TO FLOW BAACK TANK

11/16/06 RU & PRESS TEST BOP 250 LOW & 1000 HIGH - HAD TO CHANGE OUT DOOR GASKET; PU 4 JTS & TAG BOTTOM @ 4558.58 KB LAY JTS AND RU 3 INCH LINE TO MUD CROSS; TOH W/ TBG - MAKE UP SCRAPER & TIH WITH 55 JTS & TAG LINER TOP - TIH TO PBD & TOH WITH 50 STANDS.

11/17/06 TIH & set BP @ 4270. RU PMP & ROLL HOLE WITH 4 % KCL & PRESS TEST CIBP SET @ 4270 TO 500 PSI - HEL OK

11/18/06 RU & RUN CBL CCL GR FROM CIBP SET @ 4270. ~~EST TOP OF CMT @ 1900' ON 5 1/2~~
~~CSG LINER TOP @ 1700' - CMT TO SURF ON 7 5/8~~ - RD WIRE LINE. MAKE UP PKR; TIH & SET PKR @ 1976'. (PRESSURE TEST CSG TO 2500 PSI PRES BLEED DN TO 600 PSI - - PRESS MAY BLEEDING BACK THRU PMP & VALVE S- HAD LOW PRESS VALVES ON MANIFOLD THAT NEED TO BE CHANGED OUT - SWIFN

11/20/06 RIG UP TO TBG W/PKR SET @ 1976 FT W/400 PSI ON ANNULUS - PRESS UP ON TBG/ 5 1/2 CSG TO 1000 PSI HELD BROUGHT PRESSUE UP TO 1400-1500 PSI STARTED PUMPING INTO HOLE; PRESS DROPPED TO 600 PSI & FALLING - BLEED OFF PRESSURE & RIG DOWN TEST UNIT RELEASED PKR SET @ 1976 FT. TIH TO 4262 FT. & PRESSUP TO 2000 PSI HELD OK - (CIBP SET @ 4270) - REL PKR & TOH TO 4021' PRES UP TO 2000 PSI HELD OK - REL PKR & TOH TO 3897' & PRESS UP TO 2000 PSI HELD OK - REL PKR TOH TO 3835' PRESS UP TO 1500 PSI PUMPING INTO HOLE REL PKR TIH TO 3865 FT. PRESS UP TO 2000 PSI - HELD OK - FOUND CSG LEAK BETWEEN
3835' & 3865' +/- NO BH PRESSURE. LEFT PKR SET OVER NIGHT.

11/21/06 UNSEAT PKR SET @ 3897 & TOH LAY DOWN PKR

11/22/06 RU WIRE LINE; RAN CSG INSPECTION LOG 4255' - 1700'. CHANGE OUT RAM TO 3 1/2 & PRESS TEST TO 250 LOW & 1000 HIGH

11/27/06 RU WIRE LINE- RU LUBICATOR - (ADDITIONAL PERFS TO EXISTING MV) TIH w/3.125" GUN & PERF MENELEE FORMATION @ 2 JSPF 16.1 GR 18.5 " PENT. W/ .41 HOLE - ~~PERF 4035' - 4050' & 4118 - 4128' & 4220' - 4230'~~ - RIG DOWN. (SEPARATE SUBSEQUENT REPORT SUBMITTED 01/09/07)

11/28/06 PICK UP PKR & SHUT OFF VALVE & ONE JT 2 7/8 N-80 TBG & TIH W/123 JTS 3 1/2 EUE N-80 TBG - TO 3920'. TAKE OFF STRIPPER HEAD & RIG UP STINGER FRAC VALVE & FLANGE UP - LET PKR HANG - PRESS TST TO 5000 PSI HAD 500 PSI BLEAD OFF IN 10 MIN -

11/29/06 RU & PRESS TST FRAC 3 1/2 TO 500 PSI - STILL HAD LEAK OFF OF 500 PSI IN 16 MIN. - (WITH PKR HANGING) NIPP DN FLANGE ON FRAC VALVE & SET PKR @ 3920 W/ 25K SET DN - RU TESTER & PRESS UP TO 5000 PSI LOST 500 PSI IN 11 MIN. - NIP DN TESTER & REMOVED FRAC VALVE & RELEASED PKR - PUT STRIPPER HEAD BACK ON. TOH W/ 10 STANDS - SHUT DN HOLE VALVE - RU TESTER & PRESS TEST AGAIN TO 5000 PSI HAD SAME LOSS - OPEN VALVE - RIG DOWN TESTER

12/01/06 TOH W/ 10 STANDS OF 3.5 " FRAC. TUBING. CHECKED ALL & RE-DOPED ALL COLLARS. TIH W/TBG; PICKED UP STINGERS FRAC. STACK & INSTALL IT ON TO 3.5 " TBG. RIG UP & PRESSURE TESTED TBG. HELD OK.

12/2/06 FRAC MV w/150,000 lbs. 16/30 BRADY SAND @ 60 hbbls./min. SHUT DOWN & SHUT IN. RIG DOWN & RIG UP FRAC. FLOW BACK TREE & LINES. SHUT IN CSG PRESS 3,100 PSI. OPEN WELL & FLOWED THROUGH 1/4" CHOKE FOR 24 HRS. WELL MAKING HEAVY FOAM & WTR, WITH SLIGHT SHOW OF SND. @ 12:00 MIDNIGHT. FLOWING CSG PRESSURE DROPED TO 500 PSI
12/04/06 FLOWING WELL

12/5/06 FLOWED 3/4 " CHOKE. FLOWING TUBING PRESSURE 45 PSI. SMALL AMOUNT WATER.

12/8/06 BLOW DN. TIH TO 4066' CLEANED OUT; MAKING HEAVY SND PULLED 4 STDS.

12/11/06 RIG UP AIR PACKAGE & POWER SWIVEL BRAKE CIRC. CLEAN OUT SAND 205' TO CIBP @4270'. FLOW WELL ON 3/4" CK

12/12/06 FLOW TEST MV 60# @ 896 MCFD TIH W/COMP. PLUG SET @ 3750'. RIG DOWN. TIH W/ PKR & SET @ 3937'. LOAD HOLE WITH 2% KCL. TEST CSG TO 500#. UNSEAT PKR TOH W/ TBG & PKR PULL STRIPPER HEAD INSTALL LUB.

12/13/06 TIH w/3.125" GUN & PERF CHACRA 3315' - 3330' @1 JSPF. 3138' - 3150' & 3030' - 3042' @2 JSPF. PICK UP PKR 1 JT OF 2 7/8" TBG & 46 JTS 3 1/2" TBG TIH. PULL STRIPPER HEAD INSTALL STINGER TEST TRAC STRING TO 6,000# OK; DRAIN EQUIPMENT.

12/14/06 RIG UP FLOW BACK LINES.

12/15/06 TIH & FRAC CHACRA; PMP'd 275,514 lbs 16/30 BRADY SND. TOTAL N2 USED 3403 cuft FLOW BACK; LET PIT DRAIN TO EARTH PIT AVG PRESS 1100# MAKING HEAVY FOAM & WATER

12/17/06 FLOW ON 1/4" CK AVG. PRESS 500# MAKING HEAVY FOAM, N2 & WATER

12/18/06 FLOW TESTING

12/19/06 FLOW CHACRA ON 3/4" CK AVG PRESS 85# MAKING HEAVY N2 & WTR 1232.45 MCFD

12/20/06 TOH LAYING DN 3 1/2" FRAC STRING LAY DN PKR CHNG RAMS FROM 3 1/2" TO 2 3/8" KILL WELL PUT IN TBG HANGER TEST BOP TESTED GOOD

12/21/06 CLEANED OUT TO 3571' DRY UP WELL BORE

01/02/2007 OPEN WELL UP - STOP JOB - CHECK FOR LEAKS - OPEN WELL UP ON 3/4 CHOKE PRESSURE DROPPED TO 105 PSI @ 2200 HRS FLOWED FOR 3 HRS @ 105 PSI - PRESSURE DROPPED DN TO 80 PSI @ 0500 HRS & FLOWED @ 80 PSI TILL 0800 HRS EST RATE @ 1000 MCFD

01/03/2007 FLOW TESTING CHACRA UP CSG @1087 MCFD; 18 PSI CP.

01/04/2007 CLEAN ICE OUT OF 2 INCH - RE- CHECK PRESSURE 3 PSI ON CSG - CONTINUE TO FLOW WELL ON 3 INCH LINES - MOVE FRAC TANK BY RIG PIT - LAY LINES TO FLOW BACK TANK AND TRANSFER WTR - WAIT ON 2 7/8 TBG - CONTINUE TO FLOW WELL 20-25 FT FLARE SPOT IN 2 7/8 FLOAT - FLOW WELL OVER NIGHT

01/05/2007 CHANGE OUT PIPE RAMS AGAIN - PRESS TEST TO 1500 PSI HIGH AND 250 PSI LOW - HELD OK.

01/08/2007 SICP = 115 @ 13:00 HRS WELL FLOWING OVERNIGHT ON 3/4 CHOKE FCP = 50 PSI EST MV RATE @ 724 MCFD; OPEN UP TWO 3 INCH LINES @ 0500 HRS - FCP = 0) START AIR; CLEAN OUT SAND; TAGGED UP ON BP @ 3700'; DRILL OUT PLUG. WELL FLOWING ON 3/4 CHOKE FROM ALL PERFS - PRESSURE BUILT UP TO 170 PSI & DROPPED BACK TO 140 PSI EST RATE @ 2029 MCFD FOR 13 HRS - OPEN UP ON THREE INCH LINE @ 05:00 HRS & START BLOWING DOWN

01/09/2007 TIH & DRILL BRIDGE PLUG; FLW TEST

01/10/2007 WELL FLOWING OVER NIGHT ON 3/4 CHOKE FCP=105 EST RATE @ 1572 MCFD ALL ZONES - OPEN WELL UP @ 05:00 HRS ON 3 INCH LINE

01/11/2007 TIH LAND TBG @4408'.

1/15/2007 EXPECTED RIG DOWN DATE

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12/18/06 FLOW TESTING

12/19/06 FLOW CHACRA ON 3/4" CK AVG PRESS 85# MAKING HEAVY N2 & WTR 1232.45 MCFD

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