

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, 2000

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Reconn.
Other

2. Name of Operator

BP America Production Company Attn: Mary Corley

3. Address

P.O. Box 3092 Houston, TX 77253

3a. Phone No. (include area code)

281-366-4491

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

At surface

990' FNL & 890' FEL

At top prod. Interval reported below

At total depth

14. Date Spudded

10/04/1951

15. Date T.D. Reached

12/05/1951

16. Date Completed

☐ D & A ☒ Ready to Prod.

4/18/2005

5. Lease Serial No.

SF - 077123

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Warren LS 1

9. API Well No.

30-045-07497/2

10. Field and Pool, or Exploratory

Otero Chacra

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

Sec. 13, T28N, R09W

12. County or Parish

San Juan

13. State

New Mexico

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

5948'

18. Total Depth: MD

TVD

4807'

19. Plug Back T.D.: MD

TVD

4807'

20. Depth Bridge Plug Set: MD

TVD

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

CBL, TDT

22. 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.75"	40 3/4" H-40	32#	0'	167'		150 SXS	1.46	0'	
8 3/4"	7" J-55	20#	0'	3855'		200 SXS	2.61	1175'	
	1.9	2.25	0	4191					

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"	3286'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Chacra	3173'	3351'	3173' - 3351	0.390	40	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3173' - 3351	174,000# 16/30 Brady Sand, 70 Quality Foam, & N2

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
04/08/05	04/10/05	12	→	Trace	275	Trace			Flowing
Choke Size	Test Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	Producing
3/4"	0	38#	→						

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	Test Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	Producing
			→						

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

NMOCD

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	1bg. 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	1bg. 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
				Ojo Alamo	1150'
				Kirtland	1312'
				Fruitland Coal	1945'
				Pictured Cliffs	2194'
				Lewis Shale	2265'
				Cliff House	3860'
				Menefee	3940'
				Point Lookout	4489'

32. Additional Remarks (including plugging procedure)

Please see attached for Subsequent Report of Completion Activity

33. Circle enclosed attachments

1. Electrical/Mechanical Logs (1 full set req'd)
5. Sundry Notice for plugging and cement verification

2. Geologic Report
6. Core Analysis

3. DST Report
3. Other:
4. Directional Survey

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

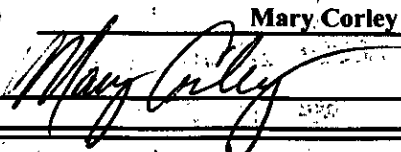
Name (please print)

Mary Corley

Title

Sr. Regulatory Specialist

Signature



Date

4/25/2005

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.

Warren LS 1
Recompletion & Downhole Commingling Subsequent Report
04/25/2005

02/25/2005 MIRUSU. Blow down well. Kill with 2% KCL WTR. NDWH. NU BOPs. Pressure test BOPs. Test Ok. TIH & TOH w/TBG.

TIH w/CSG scraper to 3750'. TOH. TIH w/RBP & set @ 3700'. Load & circ hole w/2% KCL. Pressure test CSG to 1000#. Test failed. TOH.

TIH w/PKR to determine hole in CSG. Determined hole to be between 2021' & 2702'. Retested to isolate hole – between 2148' & 2593'. RU & ran CBL & TDT logs. TOC @ 2850'. Install new wellhead.

RU, TIH & set PKR @ 1900'. RU, mix & pump 300 sxs CMT. Release PKR & TOH. TIH & tag CMT @ 2080'. DO CMT to 2309'. TIH to 3553'. Circ hole clean. TOH. TIH & ran CBL from 3550' to 900'. Good CMT up to 2850' & from 2160' to 2100'. Sent copy of log to Charlie Perrin (NMOCD) for further instructions.

TIH w/PKR to 2492'. Load & tested backside to 500# - leaked off to 250# within 5 min. Reseat PKR @ 1900'. Test ok. Mix & pumped 300 sxs CLS G CMT & SQZ to 1500 PSI. Release PKR & TOH.

TIH & TAG cmt @ 1870'. DO CMT FROM 1870' – 2060'. Tested CSG to 500#. OK. DO CMT FROM 2060' – 2154'. Tested CSG to 500#. OK. DO CMT FROM 2154' – 2242'. Tested CSG to 500#. OK. DO CMT FROM 2242' – 2425'. Tested CSG to 500#. OK. DO CMT FROM 2425' – 2550'. Tested CSG to 500#. OK. DO CMT FROM 2550' – 2620'. Tested CSG to 500#. OK. TOH. TIH & tag fill @ 3538'. Circ hole clean to 3615'. TOH.

RU & perforate Chacra formation w/ 4 JSPF, .390 inch diameter: (10 shots/ 40 holes): 3351, 3342, 3325, 3320, 3314, 3222, 3209, 3188, 3182, 3173.

Spearhead 500 gal 15% HCL, establish injection rate, & fracture stimulate w/174,000# 16/30 Brady Sand, 70 Quality foam & N2. RU & flowback frac thru 1/4" for 14 hrs. Upsized to 1/2" choke & flowed back for 12 hrs. Upsized to 3/4" choke & flowed back for 12 hrs.

TIH & tag fill @ 3205'. C/O to RBP set @ 3700'. PU above perfs, RU & flow test well for 12 hrs thru 3/4" choke. 275 MCF Gas, Trace Oil, Trace WTR. FCP 38#. RU, TIH, tag RBP & latch onto & TOH. TIH & C/O fill to TD @ 4708'. TOH.

TIH w/ 2-3/8" production TBG & land @ 3286'. Pull plug. RDSU. ND BOPs. NUWH. Test well for air.

04/18/2005 RDMOSU. Service Unit released @ 16:00 hrs.

Returned well to production – downhole commingling Chacra & Mesaverde production.