

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | | | |
|--|--|------------------------------------|--|--------------------------------------|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | | 5. Lease Serial No. NMSF078040 | | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. | | | 6. If Indian, Allottee or Tribe Name | | |
| Other _____ | | | 7. Unit or CA Agreement Name and No. | | |
| 2. Name of Operator BP AMERICA PRODUCTION CO | | | 8. Lease Name and Well No. MUDGE LS 16M | | |
| 3. Address P. O. BOX 3092 HOUSTON, TX 77253 | | | 9. API Well No. 30-045-31379-00-81 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 10 T31N R11W Mer NMP At surface NESE Lot 1 1910FSL 940FEL 36.54700 N Lat, 107.58300 W Lon At top prod interval reported below Sec 10 T31N R11W Mer NMP At total depth NESE Lot 1 2275FSL 1150FEL 36.54700 N Lat, 107.58300 W Lon | | | 10. Field and Pool or Exploratory BLANCO MV | | |
| 14. Date Spudded 04/07/2003 | | | 15. Date T.D. Reached 04/14/2003 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 6-7-2003 | | | 17. Elevations (DF, KB, RT, GL)* 6151 GL | | |
| 18. Total Depth: MD 7458 TVD 7400 | | 19. Plug Back T.D.: MD 7453 TVD | | 20. Depth Bridge Plug Set: MD TVD | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL GR TDT | | | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) | | |

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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 13.500 | 9.625 H-40 | 32.0 | 0 | 221 | | 191 | | 0 | |
| 8.750 | 7.000 J-55 | 20.0 | 0 | 3144 | | 381 | 387 | 0 | |
| 6.250 | 4.500 J-55 | 12.0 | 0 | 7458 | | 384 | | 3044 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.365 | 7397 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) MESAVERDE | 4390 | 5330 | 4390 - 5330 | 1.320 | 120 | |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 4390 - 4825 | 85,125# 16/30 BRADY SAND, 70% Quality Foam & N2 |
| 4873 - 5330 | 94,919# 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 7/23/03 | 7/24/03 | 12 | → | TRACE | 540 | TRACE | | | FLOW FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 3/4 | SI | 55 | → | TRACE | 1080 | TRACE | | PGW | |

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 | |
| | SI | | → | | | | | | |

ACCEPTED FOR RECORD

AUG 15 2003

FARMINGTON FIELD OFFICE

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

NMOC

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.)
SOLD

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 |
|-------------------------------------|-----------|--------|------------------------------|--|--|
| OJO ALAMO NACIMIENTO KIRTLAND | 0 1233 | 1233 | | LEWIS SHALE CLIFF HOUSE MENELEE POINT LOOKOUT MANCOS DAKOTA | 3037 4361 4700 5152 5437 7224 |

32. Additional remarks (include plugging procedure):

Please see attached for well completion subsequent report. Well will be produced for approximately 30 to establish flow rate, then the Dakota will be isolated and well will be completed into the Mesaverde formation and production will be downhole commingled. Production allocation based on fixed rate based on well test.

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):

Electronic Submission #21504 Verified by the BLM Well Information System.
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 05/15/2003 (03AXG1174SE)

Name (please print) MARY CORLEY

Title Sr. Regulatory Analyst

Signature

Mary Corley

Date 08.12.2003

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.

**MUDGE LS 16M
COMPLETION SUBSEQUENT REPORT
08/12/2003**

07/14/2003 MIRUSU. NDWH. NU BOP. Pull TBG hanger.

07/15/2003 TOH w/prod TBG. TIH w/CIBP & set @ 5550'. RU & load hole w/2% KcL WTR. Pressure test CSG to 1500#. Test OK. RU & perf Point Lookout & Menefee, 120° phasing as follows, .320 inch diameter, 2 JSPF 30 Shots / 60 Holes

**5330, 5315, 5309, 5279, 5269, 5245, 5238, 5225, 5215, 5206, 5198, 5188, 5181, 5172,
5165, 5159, 5153, 5146, 5109, 5084, 5012, 5007, 4990, 4983, 4976, 4970, 4913, 4907,
4879, 4873**

07/16/2003 RU & Frac w/94,919# of 16/30 Brady Sand, 70% Quality Foam & N2. RU TIH & set CIBP @, 4852'. RU & perf Menefee, 120° phasing as follows: .320 inch diameter, 2 JSPF 30 Shots / 60 Holes

**4825, 4817, 4811, 4804, 4797, 4768, 4717, 4697, 4687, 4677, 4667, 4646, 4639, 4629,
4619, 4609, 4580, 4545, 4538, 4532, 4525, 4517, 4505, 4493, 4483, 4476, 4440, 4428,
4400, 4390.**

RU & Frac w/85,125# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¼" choke & flow back until midnight.

07/17/2003 @ 00:00 upsized choke to ½" & flowed back. @ 06:30 upsized to ¾" choke & flowed back overnight.

07/18/2003 Flowed back thru ¾" choke. TIH & tag tight spot @ 4715'. C/O to 4763'. PU above perfs & SI well.

07/19/2003 Well SI for 17 hrs. Flowed back thru ¾" choke for 4 hrs. SI well.

07/20/2003 Well SI for 18 hrs. Open well on ¾" choke & flowed back for 4 hrs. SI well for night.

07/21/2003 TIH & tag tight spot @ 4730'. C/O to 4770'. Secure well for night.

07/22/2003 TIH & tag fill @ 4734'. C/O to CIBP set @ 4852'. DO CIBP & C/O to 5117'. SDFN.

07/23/2003 TIH & tag fill @ 5250'. C/O to 5529'. PU above perfs & flowed back thru ¾" choke w/watchman overnight.

07/24/2003 Flow test well for 12 hrs. thru ¾" choke. 540 MCF gas, FCP 100#, Trace WTR, Trace oil.

07/25/2003 Flowed back for 4 hrs. Test for N2. Secure well & SDFN.

07/28/2003 TIH & tag fill @ 5480'. C/O to CIBP set @ 5550'. DO CIBP. TIH & tag fill @ 7170'. C/O to 7182 & SDFN.

07/29/2003 TIH & tag fill @ 7180'. C/O to 7184'. Secure well & SDFN.

07/30/2003 TIH & tag fill @ 7182'. C/O to 7187'. Obstruction Downhole. Secure & SDFN.

08/01/2003 Establish circulation & drill from 7187' to 7192'. Obstruction fell free. Circ hole clean @ 7200'.

08/04/2003 TIH & tag fill @ 7350. C/O to 7354'. Secure & SDFN

08/05/2003 TIH & tag fill @ 7354'. Ream out bridge @ 7354' & C/O to PBTD @ 7453'. Sweep hole clean & SDFN.

08/07/2003 TIH & tag 0 fill. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7397'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 17.30 hrs.