

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

5. Lease Serial No.
NMSF - 078049

| | | | | | |
|--|--|--|--|---|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____ | | | 6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. | | |
| 2. Name of Operator AMOCO PRODUCTION COMPANY Contact: MARY CORLEY E-Mail: corleym@bp.com | | | 8. Lease Name and Well No. HUGHES A 1 | | |
| 3. Address P.O. BOX 3092 HOUSTON, TX 77253 | | | 9. API Well No. 30-045-20161 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW Lot L 1765FSL 1060FWL At top prod interval reported below At total depth | | | 10. Field and Pool, or Exploratory BLANCO MESAVERDE 11. Sec., T., R., M., or Block and Survey or Area Sec 27 T29N R8W Mer NMP 12. County or Parish SAN JUAN 13. State NM 17. Elevations (DF, KB, RT, GL)* 6428 GL | | |
| 14. Date Spudded 10/23/1967 | | 15. Date T.D. Reached 11/06/1967 | | 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/05/2001 | |
| 18. Total Depth: MD 7555 TVD | | 19. Plug Back T.D.: MD 7515 TVD | | 20. Depth Bridge Plug Set: MD TVD | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL | | | 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 checked="" type="checkbox"/> No <input 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250 | 9.625 | 32.3 | 0 | 177 | | 150 | | 0 | |
| 9.875 | 7.000 | 20.0 | 0 | 3152 | | 350 | | | |
| 6.750 | 4.500 | 10.5 | 0 | 7554 | | 450 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 7285 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) MESAVERDE | 4623 | 5439 | 4623 TO 4983 | 3.125 | 46 | |
| B) | | | 5067 TO 5185 | 3.125 | 10 | |
| C) | | | 5220 TO 5303 | 3.125 | 12 | |
| D) | | | 5320 TO 5439 | 3.125 | 24 | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 4623 TO 4983 | 88,000# OF 16/30 BRADY SAND & 70% FOAM & N2 |
| 5067 TO 5439 | 81,000# OF 16/30 BRADY SAND & 70% 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 12/02/2001 | 12/02/2001 | 12 | → | 1.0 | 500.0 | 1.0 | | | FLows FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well Status | |
| | | 120.0 | → | | | | | 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 | |
| | | | → | | | | | | |

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

ELECTRONIC SUBMISSION #9882 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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| 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 |
|-----------|------|--------|------------------------------|-------------------------------|----------------------|
| MESAVERDE | 4623 | 5439 | | MESAVERDE MANCOS DAKOTA | 4620 5338 7160 |

32. Additional remarks (include plugging procedure):

Subject well was completed into the Mesaverde Formation and downhole commingled with the existing Dakota formation. Please see attached for well work 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
7. 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):

Electronic Submission #9882 Verified by the BLM Well Information System.
For AMOCO PRODUCTION COMPANY, sent to the Farmington

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Mary Corley

Date 12/27/2001

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.

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HUGHES A 1
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
12/27/2001

11/13/2001 MIRUSU @ 10:00 hrs. NDWH & NU BOP's. Unseat TBG hanger. Begin TOH W/TBG. SDFN.

11/14/2001 Finish TOH W/TBG. SDFN.

11/15/2001 RU, TIH & set a CIBP @ 5600'. Load hole w/2% KcL water. RU & run CBL. Pressure test CSG to 2000#. Pressure went to 0. TIH W/PKR & found leak from 4672' - 4735'. SDFN.

11/16/2001 RU & Perf Point Lookout & Lower Menefee: 3.125 inch diameter

Lower Menefee perforations, 2 spf (5 shots/ 10 holes):

5067', 5072', 5083', 5178', 5185'

Upper Point Lookout perforations, 1 spf (12 shots/ 12 holes):

5220', 5225', 5230', 5235', 5245', 5250', 5255', 5275', 5280', 5288', 5299', 5303'

Lower Point Lookout perforations, 2 spf (12 shots/ 24 holes):

5320', 5326', 5333', 5348', 5359', 5371', 5381', 5392', 5403', 5414', 5425', 5439'

TIH & set PKR @ 4987'

11/19/2001 RU & Frac w/81,000# of 16/30 Brady Sand & 70% Foam & N2. RU & Flow back well thru $\frac{1}{4}$ " choke overnight.

11/20/2001 Flowed well thru $\frac{1}{4}$ " choke. @ 07:00 upsized choke to $\frac{1}{2}$ " & flow back well over night.

11/21/2001 Upsized choke to $\frac{3}{4}$ " @ 07:00 & flowed well to tank. SWIF the holiday.

11/26/2001 RU, TIH W/CIBP & set @ 5000'. TOH. RU & Perf Cliffhouse & Menefee: 3.125 inch diameter

Cliffhouse & Menefee perforations, 2 spf (23 shots/46 holes):

4623', 4629', 4633', 4657', 4661', 4673', 4680', 4686', 4696', 4710', 4728', 4732',
4740', 4746', 4750', 4873', 4905', 4908', 4920', 4924', 4964', 4968', 4983'

11/27/2001 RU & Frac w/88,000# of 16/30 Brady Sand & 70% Foam & N2. RU & Flow back well thru $\frac{1}{4}$ " choke. @ 19:03 hrs SDFN.

11/28/2001 Flowback well thru $\frac{1}{4}$ " choke.

11/29/2001 Flow back well to tank. @ 12:30 hrs upsized to $\frac{1}{2}$ " choke. @ 17:00 upsized to $\frac{3}{4}$ " choke & flowback overnight.



11/30/2001 TIH & tag fill @ 4961'. Circ hole clean to top of CIBP set @ 4650'. DO CIBP. Circ hole clean. TIH & tag fill @ 5400'. C/O to 5600'. Circ hole clean. PU above perfs & secure well & SDFN.

12/01/2001 Flow back well to test tank thru $\frac{3}{4}$ " choke.

12/02/2001 Flow test well for 12 hrs thru $\frac{3}{4}$ " choke. 500 MCF Gas, trace WTR, trace Oil.

12/03/2001 Open well ful to 3" line & flow well to tank. TIH & tag fill @ 5562. Circ hole clean to top of CIBP set @ 5600'. DO CIBP. TIH & tag fill @ 7446'. Circ hole clean. To PBTD @ 7515'. PU above perfs & flow back well thru $\frac{3}{4}$ " choke.

12/04/2001 TIH & tag fill @ 7511. Circ hole clean to PBTD. PU above perfs & flowback well thru 3" lines. TIH & found 0 fill. SDFN.

12/05/2001 TIH W/2 3/8" production TBG & land @ 7285'. ND BOP's & NUWH. Pull TBG plug. RDMOSU. Rig Release @ 17:30 hrs.

