

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 - 078046

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator AMOCO PRODUCTION COMPANY		8. Lease Name and Well No. HUGHES 3E	
3. Address P.O. BOX 3092 HOUSTON, TX 77253		9. API Well No. 30-045-24999	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE Lot A 985FNL 1000FEL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BLANCO MESAVERDE	
14. Date Spudded 06/06/1981		15. Date T.D. Reached 06/13/1981	
16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 08/31/2001		17. Elevations (DF, KB, RT, GL)* 6555 GL	
18. Total Depth: MD 7765 TVD		19. Plug Back T.D.: MD 7747 TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		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)	Casing Top*	Amount Pulled
12.250	9.625	36.000		280		250		0	
8.750	7.000	23.000		3749		325		1150	0
6.250	4.500	11.000	3567	7743		830		752.7	

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	7682							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4779	5526	4779 TO 5526	3.130	106	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5404 TO 5526	80,000 LBS 16/30 BRADY SAND, 70% FOAM & N2
5054 TO 5305	80,000 LBS 16/30 BRADY SAND, 70% FOAM & N2(2)
4779 TO 4991	80,000 LBS 16/30 BRADY SAND, 70% FOAM & N2(3)

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
08/29/2001	08/29/2001	12	→	1.0	1373.0	1.0			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
3/4	SI	175.0	→					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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD
FLOWS FROM WELL
SEP 19 2001
FARMINGTON/FIELD OFFICE
BY

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

ELECTRONIC SUBMISSION #6938 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	4779	5526		CLIFFHOUSE MENEFE POINT LOOKOUT MANCOS GALLUP GRANEROS DAKOTA	4780 4891 5400 5540 6050 7437 7475

32. Additional remarks (include plugging procedure):

Well is producing and comingling production downhole with the Dakota.

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 #6938 Verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY.
Sent to the Farmington. Committed to AFMSS for processing by Maurice Johnson on 09/06/2001 ()**

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature _____

Date 09/04/2001

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 3E
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
09/04/2001

08/15/2001 MIRUSU @ 09:30 hrs. NDWH & NU BOP's. Unseat TBG hanger. SDFN.

08/16/2001 TIH & TOH W/TBG. TIH & set a CIBP @ 5650'. Load hole w/2% KcL water. Pressure Test CSG to 2500#. RU & Perf Point Lookout: 3.125 inch diameter

Point Lookout Perforations, 2 spf, 120° phasing (15 shots/ 30 holes):

5404', 5411', 5422', 5427', 5436', 5443', 5450', 5462', 5470',
5477', 5492', 5498', 5505', 5512', 5526'

08/20/2001 RU & Frac w/80,000# of 16/30 BradySand, 70% Foam & N2. RU & TIH w/CIBP & set @ 5340'. RU & Perf Menefee: 3.125 inch diameter

Menefee Perforations, 2 spf, 120° phasing (18 shots/ 36 holes):

5054', 5062', 5069', 5084', 5105', 5116', 5146', 5152', 5160', 5190',
5208', 5238', 5249', 5266', 5274', 5279', 5284', 5305'

08/23/2001 RU & Frac w/80,000# of 16/30 Brady Sand, 70% Foam & N2. RU & TIH w/CIBP & set @ 5000'. RU & Perf Cliffhouse: 3.125 inch diameter

Cliffhouse Perforations, 2 spf, 120° phasing (20 shots/ 40 holes):

4779', 4786', 4792', 4798', 4805', 4816', 4830', 4834', 4843', 4850',
4856', 4873', 4878', 4900', 4913', 4942', 4950', 4975', 4984', 4991'

RU & Frac w/80,000# of 16/30 Brady Sand, 70% Foam & N2. RU & Flow back well thru $\frac{1}{4}$ " choke all night.

08/24/2001 Flowback well thru $\frac{1}{4}$ " choke. After 2 hrs upsized to $\frac{1}{2}$ " choke. Upsized to $\frac{3}{4}$ " choke & flowback overnight.

08/27/2001 TIH & tag fill @ 4901'. Circ hole clean to top of CIBP set @ 5000'. DO CIBP. TIH & tag fill @ 5320'. PU above TOL & flowback well on $\frac{3}{4}$ " choke to test tank.

08/28/2001 TIH & tag fill @ 5030'. Circ hole clean to top of CIBP set @ 5340'. DO CIBP. TIH & tag fill @ 5580'. Circ hole clean to 5650'. PU above TOL & flow back well on $\frac{3}{4}$ " choke overnight.

08/29/2001 Flow test well 12 hrs. thru $\frac{3}{4}$ " choke. 1373 MCF Gas, Trace WTR, Trace oil. TIH & tag fill @ 5620' C/O to 5650'. Flow back well to test tank. TIH & found O fill. PU above TOL & flowback well thru $\frac{3}{4}$ " choke.

08/30/2001 TIH & DO CIBP @ 5650'. TIH & tagged PBD @ 7747'. Circ hole clean. PU above TOL, secure well & SDFN.

08/31/2001 TIH W/production TBG @ land 7682'. ND BOP's & NUWH. Pull TBG plug. RDMOSU. Rig Release @ 17:00 hrs.