

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.
NMNM - 016746

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. HORTON 1	
3. Address P.O. BOX 3092 HOUSTON, TX 77253		9. API Well No. 30-045-22876	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SENW Lot F 1850FNL 1980FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BLANCO MESAVERDE	
14. Date Spudded 02/27/2078		15. Date T.D. Reached 03/17/2078	
16. Date Completed 09/14/2001		17. Sec., T., R., M., or Block and Survey or Area Sec 28 T31N R9W Mer NMP	
18. Total Depth: MD 7630 TVD		19. Plug Back T.D.: MD 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625	36.0	0	304		275			
8.750	7.000	23.0	0	3600		450			
6.250	4.500	12.0	0	7617		475			

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	7458							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4756	5559	5200 TO 5559	3.380	36	
B)			4756 TO 4804	3.380	12	
C)			4816 TO 4874	3.380	12	
D)			4892 TO 5034	3.380	14	

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

Depth Interval	Amount and Type of Material
5200 TO 5559	79,000# OF 16/30 BRADY SAND & 70% FOAM
4756 TO 5034	71,855# OF 16/30 BRADY SAND & 70% FOAM

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
09/13/2001	09/13/2001	12	→	1.0	550.0	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	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 #8232 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	4756	5559		PICTURED CLIFFS MESAVERDE GALLUP DAKOTA	3039 4492 6533 7355

32. Additional remarks (include plugging procedure):

Well has been completed into the Blanco Mesaverde Pool and production downhole commingled with the Basin Dakota. Please see attached Downhole Completion Subsequent Report for well work activity.

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 #8232 Verified by the BLM Well Information System.
For AMOCO PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by Lucy Bee on 10/29/2001 ()

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 10/25/2001

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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HORTON 1
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
10/05/2001

08/27/2001 MIRUSU @ 09:00 hrs. SDFN.

08/28/2001 NDWH & NU BOP's. Unseat TBG hanger. TOH W/TBG. SDFN.

08/29/2001 TIH & set a CIBP @ 5710'. Load hole w/2% KcL water. Press tested CSG to 1500#. Held Ok. Pressure up to 2500# & CSG broke. TIH W/PKR & set @ 400'. Press. Test backside to 1900#. Held OK. Top SQZ OK. TIH W/PKR & set @ 2000'. Secure well & SDFN.

08/30/2001 TIH W/PKR & set @ 5664'. Test CIBP to 2000#. Test OK. PU & search for hole in CSG. Found CSG leak @ 3936' to 3966'. TOH. TIH & spot 4 BBLS CMT from 4033' to 3785'. TOH & reverse out CMT. SQZ CMT into holes. Max Press 2000#. Pressured to 1500#. Secure well & SDFN.

08/31/2001 TIH & tag CMT @ 3708'. DO CMT to 4033' & circ hole clean. Tried to press test CSG to 500# - unable to. PU to 2000' & SDFN.

09/04/2001 TIH W/CIBP & set @ 4033'. TIH & spot SQZ 4 BBLS CMT. Pressure CMT to 2050#. Shut in well, secure & SDFN.

09/05/2001 TIH & tag CMT @ 3696'. DO CMT to 3980' & test CSG to 150#. Test OK. DO CMT from 3980' to 4033'. DO CIBP. TIH to CIBP set @ 5710'. PU to 2500' & SDFN.

09/06/2001 RU & Perf Point Lookout & Lower Menefee: 3.375 inch diameter

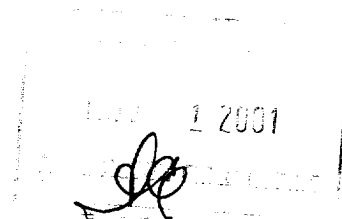
Point Lookout & Lower Menefee Perfs, 2 JSPF, 120° phasing (18 shot points/36 holes):
5200', 5230', 5244', 5265', 5287', 5307', 5310', 5314', 5318', 5333', 5325',
5384', 5416', 5486', 5505', 5518', 5556', 5559'

09/07/2001 RU & Frac w/79,000# of 16/30 Brady Sand & 70% Foam. RU & TIH w/CIBP & set @ 5060'. RU & Upper Menefee, Perf Cliffhouse & Lower Lewis: 3.375 inch diameter

Lower Lewis Perforations, 2 JSPF, 120° phasing (6 shot points/12 holes):
4756', 4762', 4767', 4774', 4792', 4804',
Cliffhouse Perforations, 1 JSPF, 120° phasing (12 shot points/12 holes):
4816', 4820', 4825', 4834', 4839', 4848', 4854', 4856', 4864', 4866', 4870', 4874'
Upper Menefee Perforations, 2 JSPF, 120° phasing (7 shot points/14 holes):
4892', 4919', 4942', 4984', 5020', 5030', 5034'

RU & Frac w/71,855# of 16/30 Brady Sand & 70% Foam. RU & Flow back well thru $\frac{1}{4}$ " choke all night.

09/08/2001 Flowback well thru $\frac{1}{4}$ " choke.



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

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31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
MESAVERDE	4756	5559		PICTURED CLIFFS	3039
				MESAVERDE	4492
				GALLUP	6533
				DAKOTA	7355

32. Additional remarks (include plugging procedure):

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Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 10/25/2001

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09/10/2001 Flowback well thru $\frac{1}{4}$ " choke. Upsized to $\frac{1}{2}$ " choke. Upsized to $\frac{3}{4}$ " choke & flowback overnight.

09/11/2001 TIH & tag fill @ 4903'. Circ hole clean to top of CIBP set @ 5060'. DO CIBP. PU above TOL & flow back well on $\frac{3}{4}$ " choke overnight.

09/12/2001 TIH & tag fill @ 5600'. PU above TOL & flow back well on $\frac{3}{4}$ " choke overnight.

09/13/2001 TIH & tag fill @ 5695'. Circ hole clean to top of CIBP set @ 5710'. DO CIBP. Circ hole clean to PBTD @ 7608'. PU above perms & flow test well 12 hrs. thru $\frac{3}{4}$ " choke. 550 MCF Gas, Trace WTR, Trace oil.

09/14/2001 TIH & tag 8' of fill. Circ hole clean. TOH. TIH W/2 3/8" production TBG @ land 7458'. ND BOP's & NUWH. Pull TBG plug.

09/18/2001 RDMOSU. Rig Release @ 10:00 hrs.