

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.
SF-078097

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Heaton LS 1A

9. API Well No.
3004523712

10. Field and Pool, or Exploratory Area
Blanco Mesaverde

11. County or Parish, State
SAN JUAN NEW MEXICO

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
AMOCO PRODUCTION COMPANY

Attention:
Gail M. Jefferson

3. Address and Telephone No.
P.O. BOX 800 DENVER, COLORADO 80201 (303) 830-6157

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1830' FSL 1100' FEL Sec. 28 T 31N R 11W UNIT I

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Perf and Frac	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company requests permission to perf and refrac this well per the attached procedures.

If you have any technical questions please contact Dave Koskellat at (303) 830-4377 or Gail Jefferson for any administrative concerns.

RECEIVED
NOV 20 1998
OIL CON. DIV.
DENVER

14. I hereby certify that the foregoing is true and correct.

Signed Gail M. Jefferson Title Sr. Admin. Staff Asst. Date 11-10-1998

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

Heaton LS #1A

TD = 5264' PBTD = 5246'

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1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. TOH with 2.375" tubing.
6. Perforate one shot at each of the following depths. Correlate with density log dated 12/22/79 (19 total holes):
 - 4028, 4034
 - 4096, 4100, 4108
 - 4296, 4302
 - 4404
 - 4482, 4486, 4492
 - 4518, 4524, 4530
 - 4556, 4563, 4568
 - 4642, 4644
7. Set a composite bridge plug @ 4660'.
8. TIH with 2 7/8" frac string and PIP.
9. Break down each interval (8 total) with 7 1/2% HCL (1/2 BBL per perforation, approximately 400 gallons total).
10. TOH with 2 7/8" frac string and PIP.
11. TIH with 2 7/8" frac string and packer.
12. Pressure test composite bridge plug.
13. Set packer at +/- 3950'.
14. Fracture stimulate down 2 7/8" tubing according to frac schedule.
15. TOH with Frac String.
16. TIH with tubing and bit to 4650' and circulate clean.
17. Raise bit to +/- 4645' and reverse circulate until gas production returns.
18. If night shutdown is necessary, raise bit above 3800'.
19. Once gas production returns/sand production ceases, drill-out composite plug, clean-out to PBTD and TOH with tubing and bit.
20. TIH with 2 3/8" tubing with SN and land at 5050'.
21. Put well back on production.

Well Heaton #1A		Land Office Federal		Lease Number SF078097	
Location 1830'S, 1100'E, Section 28, T-31-N, R-11-W					
			County San Juan	State New Mexico	
Formation Mesa Verde			Field Blanco M.V.		
POTENTIAL	1	2	FORMATIONS	TOPS	SCHMATIC ¢
Formation	M.V.		M.V.	4026'	
Test Date	1-31-80		P.L.	4766'	
AOF					
Ck. Vol.					
BOPD					
GOR					
SIPT	834				
SIPC	977				
IBHP					
Elev.	5904' GL				
Spud Date	12-4-79				4677, 4683,4759,4780 4786,4792,4816 4822,4832,4838 4844,4850,4864 4872,4882,4903 4908,4958,4973 4983,4993,5008 5014,5034,5043 2 3/8"@ 5048' 5072',5082' 4 1/2" T.D. @ 5264'
Completion Date	1-31-80				
Logs and Surveys	I-SFL; FDC-GR;				
	Temp. Survey				
STIMULATION FORMATION	TYPE				
Mesa Verde	Perfed & SW Fraced				
DRILLING CONTRACTORS					
Drake Well Service			DST No.		Show csg., cmt. top, tbg., pkrs., plugs, depth, perfs., seating nipples, etc.
			Cores No.		