



AMOCO PRODUCTION COMPANY

WELL ANALYSIS COMPARISON

LEASE: HEATH GAS COM H1

F-29-9

MAY 14, 1993

	NO BRDNHD TEST	CASING ----- 5/12/93	INT --- 5/12/93
DATE:			
NO.:		30162	30163
		MOLE %	MOLE %
		-----	-----
NITROGEN		0.130	0.312
CO2		1.885	0.006
METHANE		90.371	87.774
ETHANE		4.964	6.839
PROPANE		1.434	3.407
I-BUTANE		0.374	0.534
N-BUTANE		0.349	0.708
I-PENTANE		0.208	0.185
N-PENTANE		0.111	0.120
HEXANE+		0.174	0.115
BTU'S		1084.7	1155.0
-----		-----	-----
GPM		2.1425	3.3199
-----		-----	-----
GRAVITY		0.6332	0.6499
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MAY 18 1993

OIL CON. DIV
DIST. 3

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

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Designation and Serial No. SF-076337
2. Name of Operator AMOCO PRODUCTION COMPAN		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1487 FNL 1467FWL Sec. 8 T 29N R 9W		8. Well Name and No. HEATH GAS UNIT H #1
		9. API Well No. 3004508572
		10. Field and Pool, or Exploratory Area BASIN DAKOTA
		11. County or Parish, State SAN JUAN NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent ☐ Subsequent Report ☐ Final Abandonment Notice	☐ Abandonment ☐ Recompletion ☐ Plugging Back ☐ Casing Repair ☐ Altering Casing ☒ Other ACID JOB ☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off ☐ Conversion to Injection ☐ 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.)*

PROCEDURE:

1. TIH w/ 2-3/8" tbg and 4-1/2" PKR.
2. Set pkr at 6500'.
3. Pump 500 gal Super A-Sol.
4. Displace w/ 2% KC1.
5. Pump 1200 gal 14% HC1. (max WHTP 3500 psi.)
6. Displace w/ 2% KC1.
7. POOH w/ 2-3/8" tbg and pkr.

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JUL 12 1993
OIL CON. DIV
DIST. 3

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BLM
93 JUL -6 PM12:29
070 FARMINGTON, NM

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

Signed *DeAnne Tallant* Title Business Analyst Date 07-02-1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any: _____

INMOCD

APPROVED

JUL 07 1993
DISTRICT MANAGER

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.

GENERAL INSTRUCTIONS

The use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

This form is designed for submitting proposals to perform certain operations, and reports of such operations when completed, indicated, on Federal and Indian lands pursuant to applicable law and regulations, and, if approved or accepted by any Federal law and regulations, pursuant to applicable State law regulations. Any necessary special instructions concerning

SPECIFIC INSTRUCTIONS

4 - If there are no applicable State requirements, locations Federal or Indian land should be described in accordance Federal requirements. Consult local State or Federal for specific instructions.

13 - Proposals to abandon a well and subsequent reports abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
 - (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)
 - (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
 - (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.
- EFFECT OF NOT PROVIDING INFORMATION** - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

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PLEASE SEE ATTACHMENT FOR PROCEDURE..

RECEIVED
AUG - 9 1993
OIL CON. DIV
DIST. 3

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BLM
93 AUG - 2 PM 2:27
070 FARMINGTON, NM

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT DeANNE TALLANT (303) 830-5427.

14. I hereby certify that the foregoing is true and correct		Date 07-29-1993	
Signed <i>DeAnne Tallant</i>	Title ANALYST		
(This space for Federal or State office use)		ACCEPTED FOR RECORD	
Approved by		Title	
Conditions of approval, if any:		AUG 04 1993	
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.		FARMINGTON DISTRICT OFFICE	

HEATH GAS COM /H/ #1

MIRUSU. BLED OFF TBG & CSG. NDWH. NUBOPS. TIH & TAG @ 6660'. TALLY & TOH W/ 206 JTS, SN, PERF SUB, ORANGE PEAL. TIH W/ BIT & SCRAPER TO 6600'. TOH. TIH W/ RBP & PKR TO 6472'. SET RBP. PULL UP & SET PKR @ 6410'. PRESS TST PLUG TO 2000 PSI. PRESS PKR & CSG TO 1040 PSI. HELD. TOH W/ PKR. BLED OFF CSG. ND BOP & TBG HD. REP W/ NEW HEAD & SEALS & PRESS TST TO 1200 PSI. NU BOPS. TIH W/ RET HEAD TO 6410'. SWAB. TIH. REL RBP SET @ 6472'. TOH W/PLUG. TIH W/ PKR TO 6470'. TIH W/ PKR & SET @ 6587'. HELD. PMP 500 GAL OF SUPER A-SOL & DISP W/ 1108 GAL OF 2% KCL WTR. PMP 1200' GAL OF 15% HCL. PMP 30 BBL DWN ANNULUS. REL PKR SET @ 6587. TOH. TIH W/ 1/2 MULE SHOE 1 JT. SN, W/ F-COLLAR & 208 JTS TBG. LAND TBG @ 6571'. ND BOP. NUWH. SWAB. RDMOSU.