

GEOTHERMAL BRANCH

June 30, 1983

Mr. Doug Koza
Minerals Management Service
4600 Kietzke Lane, #137, Bldg. D
Reno, Nevada 89502

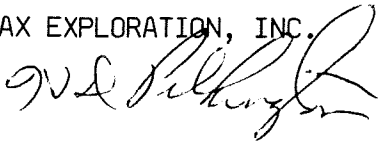
Re: McCoy Unit, ADP 158 and GDP 209

Dear Doug:

Enclosed are two (2) copies each of the final temperature logs for wells 28-18 and 26-8. Please acknowledge receipt of data by signing one copy of this letter and returning it to the letterhead address.

Sincerely,

AMAX EXPLORATION, INC.



H. D. Pilkington
Chief Geologist, Geothermal Branch

HDP/c

cc: J. E. Deymonaz
J. L. Emerson

enclosures

Receipt of data acknowledged by _____

Date _____, 1983.

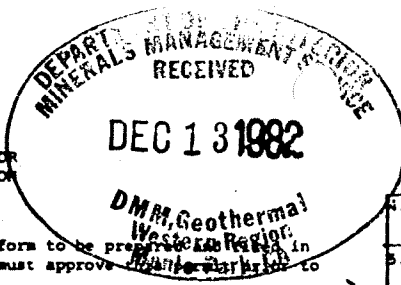
CONDITIONS OF APPROVAL FOR PERMIT NO. 0209
Well No. 26-8
Amax Exploration, Inc.
McCoy Unit
Churchill County, NV

Unless otherwise directed by the Supervisor:

1. A detailed drilling report shall be given by telephone to the District Geothermal Supervisor in Reno, Nevada (702) 784-5676, Monday through Friday at approximately 8:30 a.m. until the well is completed or abandoned.
2. A copy of this permit #0209, the approved drilling program, blowout and noncondensable gas contingency plans, and one copy of each well survey log shall be available at the well site for the Deputy Minerals Manager for Geothermal. In addition, immediately after the completion of each well survey (including daily mud logs), field copies shall be mailed or delivered to the District Geothermal Supervisor, Kietzke Plaza, Bldg. D, Suite 137, 4600 Kietzke Lane, Reno, Nevada 89502, and the Deputy Minerals Manager for Geothermal, 2465 E. Bayshore Road, Suite 400, Room 401, Palo Alto, California 94303.
3. In case of emergency, the MMS District Geothermal Supervisor (Mr. Bernard Moroz) or his representative (day number: (702) 784-5676, night number: (702) 852-8780) shall be notified. In the event that the District Geothermal Supervisory staff is not available, the Deputy Minerals Manager for Geothermal's Engineering Section shall be contacted: Mr. Bruce Hellier, office: (415) 323-8111, Ext. 2845, night: (415) 948-3010 or Mr. Ellis Hammett, office: (415) 323-8111, Ext. 2845, night: (415) 328-8679.
4. Variance from the approved well program shall be approved by the Reno, Nevada DGS, or the Deputy Minerals Manager for Geothermal.
5. A kill line shall be installed below the BOPE, leading directly to the mud pumps and fitted with a valve through which cement could be pumped if necessary. The valve must be a minimum of 30' from the well head.
6. A minimum of 200' of surface casing shall be set and cemented.
7. Adequate BOPE, consisting of a full opening master valve with double rams or supervisor approved equivalent, shall be installed before drilling below the 200'+ surface casing.
8. A blow-down line shall be installed below the BOPE. The blow-down line shall be directed in such a manner as to permit containment of produced fluids and to minimize any safety hazard to personnel.
9. Adequate supply of drilling fluid and materials shall be maintained at the drill site to cure any lost circulation problem which may be encountered.
10. Notify the DGS prior to the testing of the BOPE so that the testing may be witnessed.
11. The lessee shall be allowed to drill to mud returns temperatures of 70°C (175°F). Higher temperature limits must be approved by the Supervisor.

12. Inlet and outlet temperatures shall be recorded at frequent intervals during drilling operation. Normally, hourly or 30 ft. intervals.
13. With the approval of the Supervisor, the annulus may be filled with mud and the tubing hung in the wellhead such that both tubing and annulus are shut in. This completion is in lieu of the required 10' cement annulus plug. Also, a valve may be placed on the tubing in lieu of a cap.
14. Prior to the well abandonment, the abandonment procedure shall first be approved by the District Geothermal Supervisor.
15. A revised and detailed drilling program, similar to the example Hunt-Radium Springs program previously provided to you, shall be submitted to the DMM-Geothermal within 10 days of receipt of this permit. The drilling program shall be in compliance with GRO Order 2 and the requirements stated under Geothermal Drilling Permit, p. 18-21 of GRO Order 5.

UNITED STATES DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY, CONSERVATION DIVISION
 GEOTHERMAL DRILLING PERMIT



Form Approved
 Budget Bureau No. _____

The U.S. Geological Survey requires this form or other Supervisor approved form to be prepared in triplicate with requisite attachments with the Supervisor. The Supervisor must approve any lease operation.

1a. TYPE OF WORK: DRILL NEW WELL REDRILL () DEEPEN () PLUG BACK () DIRECTIONALLY DRILL () OTHER ()

1b. WELL TYPE: PRODUCTION () INJECTION () HEAT EXCHANGE () OBSERVATION () WATER SUPPLY () OTHER ()
 Exploration

1c. WELL STATUS: New

2. NAME OF LESSEE/OPERATOR
 AMAX Exploration, Inc.

3. ADDRESS OF LESSEE/OPERATOR
 1707 Cole Blvd., Golden, CO 80401

15. LOCATION OF WELL
 At surface NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 8: T22N, R40E, MDBM
 At proposed prod. zone 950' from west line, 1600' from south line

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE
 950' from west line of Section 8

17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE
 2325' from 66-8

4. LEASE SERIAL NO.
 N-18852

5. SURFACE MANAGER: BLM () FS ()
 MMS Other

6. UNIT AGREEMENT NAME
 McCoy

7. WELL NO.
 26-8

8. PERMIT NO.

9. FIELD OR AREA
 Wildcat

10. SEC. T., R., S. & M.
 NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 8:
 T22N, R40E, MDBM

11. COUNTY
 Churchill

12. STATE
 Nevada

13. APPROX. STARTING DATE
 January 7, 1983

14. ACRES ASSIGNED (WELL SPACING)
 640 acres

18. DRILLING MEDIA AND CHARACTERISTICS: AIR
 WATER () MUD FOAM Other ()

19. PROPOSED DEPTH
 MEASURED: 2000'-4000'
 TRUE VERTICAL: same

20. ELEVATIONS: ESTIMATED FINAL ()
 5760
 REFERENCE DATUM: GR NAT () DF () KB () RT ()
 CASINGHEAD FLANGE () OTHER ()

21. EXISTING AND/OR PROPOSED CASING AND CEMENTING PROGRAM (List existing program first, followed by proposed program, and separate by a sufficient space to clearly distinguish the two programs)

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	COUPLING (Collars & Threads)	GRADE	SETTING DEPTH		QUANTITY OF CEMENT
					Top	Bottom	

22. PROPOSED WORK SUMMARY

Refer to Plan of Exploration,
 Drilling Program I or II (November, 1980)

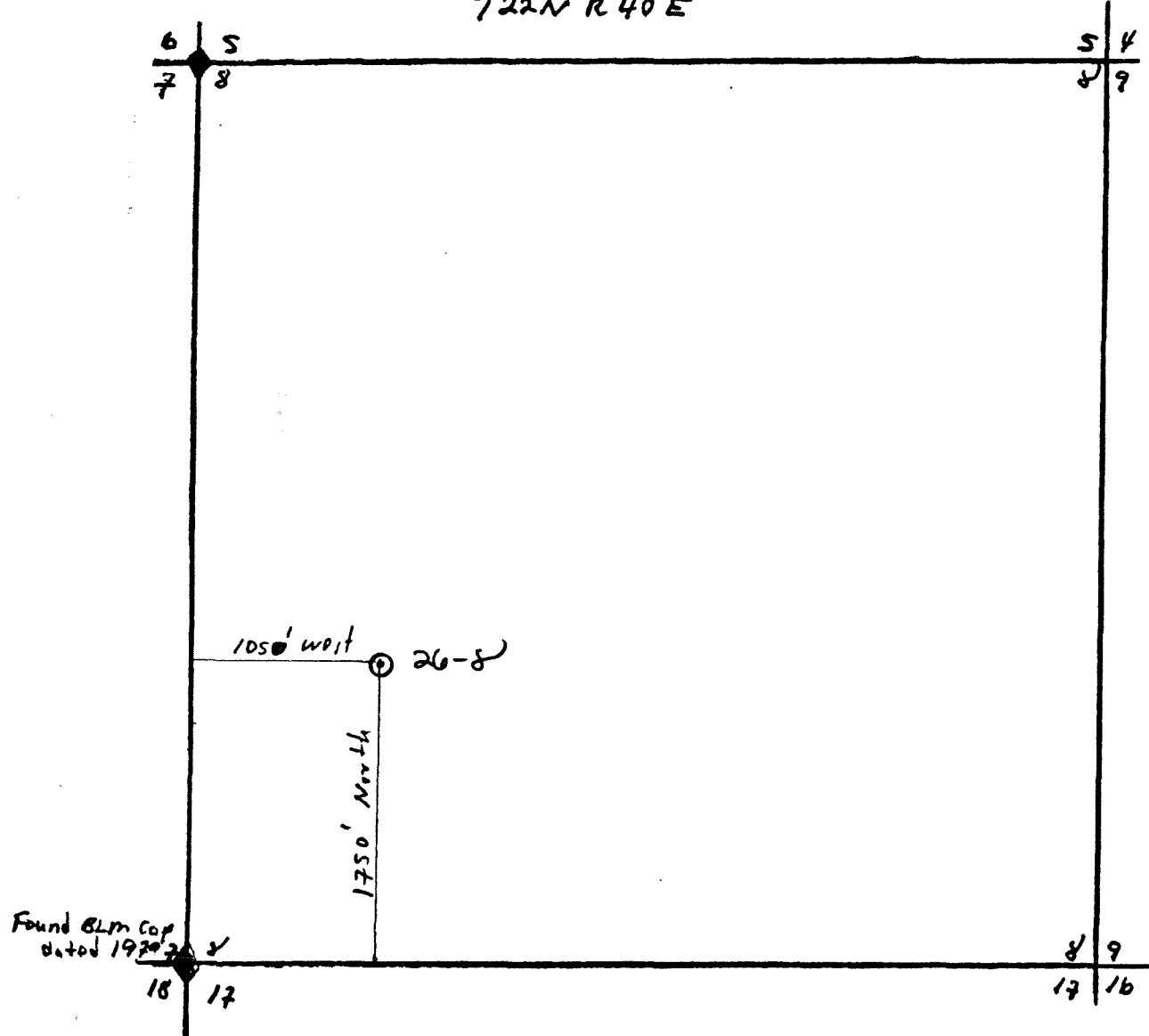
23. *[Signature]*, *Manager, Bart Retention*, *12/7/82*
 SIGNED _____ TITLE _____ DATE _____

(This space for Federal use)
 APPROVED BY *[Signature]* TITLE Acting DMM, Geothermal DATE JAN 13 1983

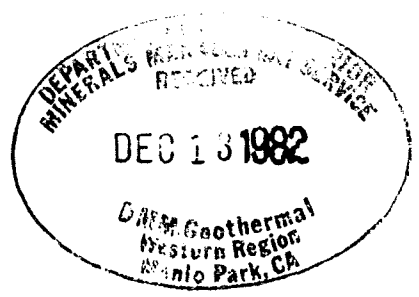
APPROVED
 SUBJECT TO THE ATTACHED CONDITIONS

This permit is required by law (30 U.S.C. 1023); regulations: 30 CFR 270.71; Federal Geothermal Lease Terms and Stipulations and other regulatory requirements. The United States Criminal Code (18 U.S.C. 1001) makes it a criminal offense to make a willfully false statement or representation to any Department or Agency of the United States as to any matter within its jurisdiction.

T22N R40E



Scale 1" = 1000'



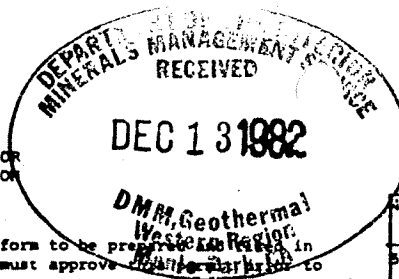
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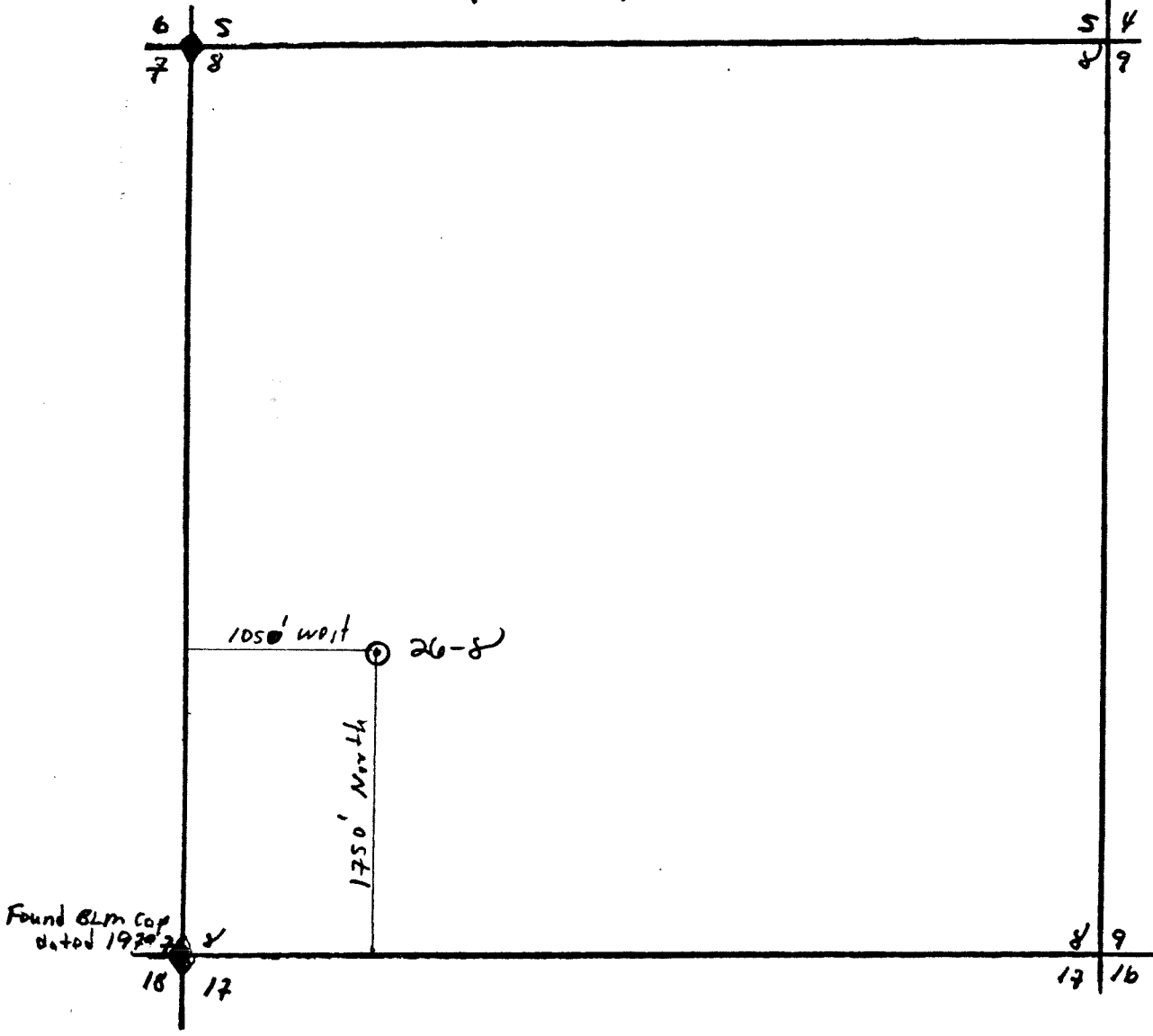
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T22N R40E



Found BLM Cap
dated 1970-2 ✓

Scale 1" = 1000'

