

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 M. J. Harvey, Jr.

3. ADDRESS OF OPERATOR
 P. O. Box 12705, Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 At proposed prod. zone 3140' FSL & 2074' FEL (Lot 15)
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 4 miles east of Antimony, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 500'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 NA

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7032' GR

5. LEASE DESIGNATION AND SERIAL NO.
 U-27451

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Antimony Federal

9. WELL NO.
 6-1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 6, T31S, R1W

12. COUNTY OR PARISH 13. STATE
 Garfield Utah

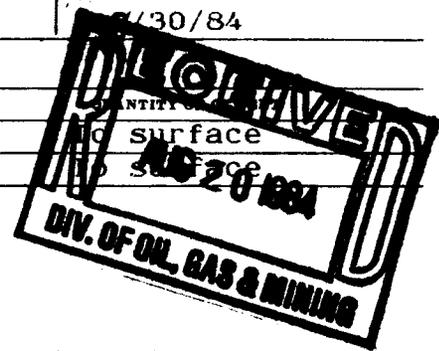
15. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL
 653.32 40

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
 600' Rotary

22. APPROX. DATE WORK WILL START*
 8/30/84

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
6 1/4"	4 1/2"	11.0"	T.D.
8 5/8"	7"	9.0#	20'
Conductor Pipe			



We propose to drill a Cretaceous formation test to approximately 600'. The well will be operated in accordance with the rules and regulations of the State of Utah and the Bureau of Land Management.

THIS LEASE EXPIRES AT MIDNIGHT AUGUST 30, 1984.
 DRILLING OPERATIONS WILL BE TAKING PLACE AT THAT TIME.

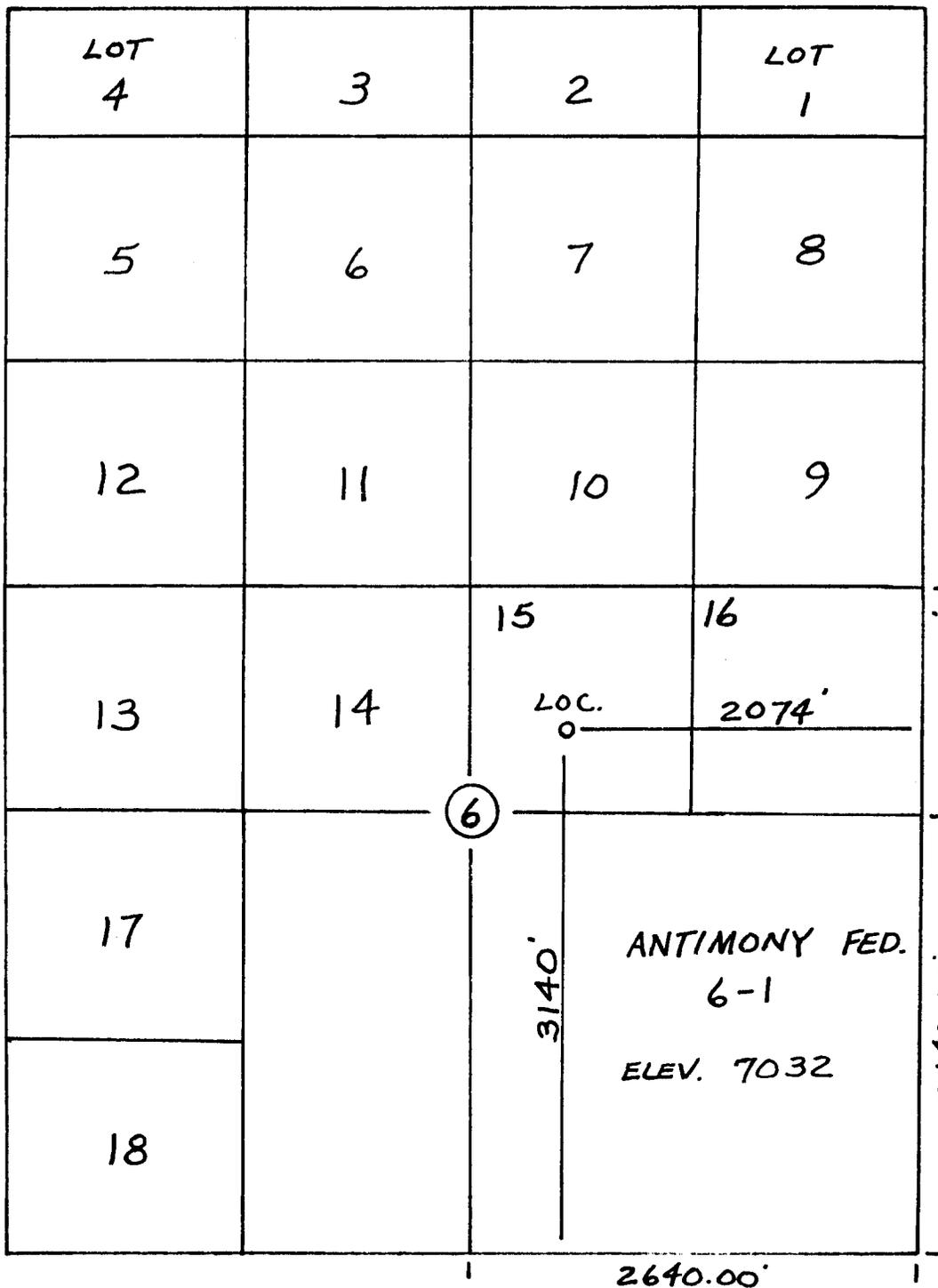
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED M. J. Harvey TITLE Owner DATE 8/17/84
 By Verry W. Franklin - Agent
 (This space for Federal or State office use)

PERMIT NO. 43-017-30124 APPROVAL **APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING**
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____
 DATE 8/20/84
 BY: John R. Dager

*See Instructions On Reverse Side

SEC. 6, T 31 S, R 1 W, OF THE S.L.B. P.M.



REFERENCE DOCUMENTS

1915 GLO PLAT
ANGLE
QUADRANGLE, USGS

SURVEYOR'S CERTIFICATE

I, NEALE C. EDWARDS A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Neale C. Edwards

L.S. NO 5252

DATE: 8-17-84

THIS WELL LOCATION PLAT WAS PREPARED FOR M.J. HARVEY, JR. AS REQUESTED BY TERRY FRANKLIN 3140 F.S.L. & 2074 F.E.L. IN LOT 15, OF SECTION 6, T. 31 S. R. 1 W. OF THE S.L. P.M., GARFIELD COUNTY, UTAH

NCE SURVEYS

364 C.R. 216
DURANGO, COLO.
81301
(303) 247-2342

BUREAU OF LAND MANAGEMENT
CEDAR CITY DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company M.J. Harvey, Jr. Well No. Antimony Fed. 6-1
 Location: Sec: 6 T. 31S R. 1W Lease No. U-27451
 Onsite Inspection Date 8/17/84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops: _____

Wasatch - Surface	_____
Flagstaff - 250'	_____
Cretaceous - 400'	_____
T.D. - 600'	_____

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	<u>Cretaceous</u>	<u>450-600'</u>
Expected gas zones:	<u>None</u>	_____
Expected water zones:	<u>None</u>	_____
Expected mineral zones:	<u>None</u>	_____

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: _____
NA as no surface pipe will be set

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure-tested before drilling casing cement plugs. The Resource Area (will/will not) be notified 2 days in advance when pressure tests are to be conducted.

4. Casing Program and Auxiliary Equipment: Conductor 20' 9#
No surface pipe to be set
Production casing 4 1/2" 11.0# New K-55

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (will/~~XXXXXX~~) be notified 2 days in advance when running casing strings and cement.

5. Mud Program and Circulating Medium: From surface to TD the fluid will have a weight of 8.3 to 8.8 P.P.G. with gel, lime, or flocculant added as needed. A viscosity of 34-38 with less than 10cc water loss will be maintained.

Bloolie line will be misted to reduce fugative dust when air drilling.

6. Coring, Logging and Testing Program:
No coring or testing is planned
Logs run will be a Gamma Ray, SP, and Resistivity
from surface to TD with additional logs if determined necessary at the time.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: No abnormal pressures or temperatures or sour gasses are anticipated.

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the _____ Escalante Resource Area at _____ 801-826-4291 _____, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/will not) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of IITL-3A.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations,

oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: In accordance with Federal standards.

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable. "Well number, location by 1/4 section, township and range". "Lease number".

Other: _____

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

a. Location of proposed well in relation to town or other reference point: 4 miles east of Antimony, Utah

b. Proposed route to location: From general store in Antimony go just north of store and turn east on existing road. Follow east 4 miles.

c. Plans for improvement and/or maintenance of existing roads: Use in present state.

d. Other: NA

2. Planned Access Roads:

a. The maximum total disturbed width will be None feet. where applicable

b. Maximum grades: 10 %

c. Turnouts: As per BLM requests

d. Location (centerline): _____

e. Drainage: Low water crossings

f. Surface materials: None anticipated but will be obtained from private sources if necessary

g. Other: _____

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells: No Known wells within 1 mile

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

As determined by BIM

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:

The city of Antimony

A temporary water use permit for this operation will be obtained from the Utah State Engineer _____
Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from: _____
Private source if needed _____

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit (~~will/will not~~ ^{will not}) be lined: unless determined
necessary during construction _____

Three sides of the reserve pit will be fenced with woven
wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: _____
in sanitary landfill _____

If burning is required, a permit will be obtained from the State Fire Warden No burning allowed

Produced waste water will be confined to a (~~lined/muckered~~ ^{unlined}) pit or tanks for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Other: NA

8. Ancillary Facilities:

Camp facilities ~~will~~/will not) be required. They will be located:

None

9. Well Site Layout:

The reserve pit will be located: On the south side of the location.

The top 6 inches of soil material will be removed from the location and stockpiled separately on the south-east side of the edge of location.

Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from: Antimony travel east 4 miles down existing roads.

The trash pit will be located: A trash can will be used

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

The operator or his contractor (will/~~will not~~) notify the Escalante Resource Area at 801-826-4291 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

All disturbed areas will be recontoured to the approximate natural contours. _____

The stockpiled topsoil will be evenly distributed over the disturbed areas. _____

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface. _____

Access road will remain in existing state. _____

Seed will be broadcast or drilled at a time specified by the ELM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. _____

~~The following seed mixtures will be used:~~ _____

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed. _____

Additional Requirements: _____

11. Surface and Mineral Ownership:

Both are owned by the Federal Government on the
access road and the wellsite as proposed.

12. Other Information: The well will be drilled and
reclamation will be done under the supervision of
a M.J. Harvey, Jr. representative.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance (will/will not) be required before any construction begins. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Lessee's or Operator's Representative and Certification

Representative:

Name: Terry W. Franklin
Address: P.O. Box 2664
Roswell, N.M. 88201
Phone No.: 505-622-5417

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by:

M.J. Harvey, Jr.

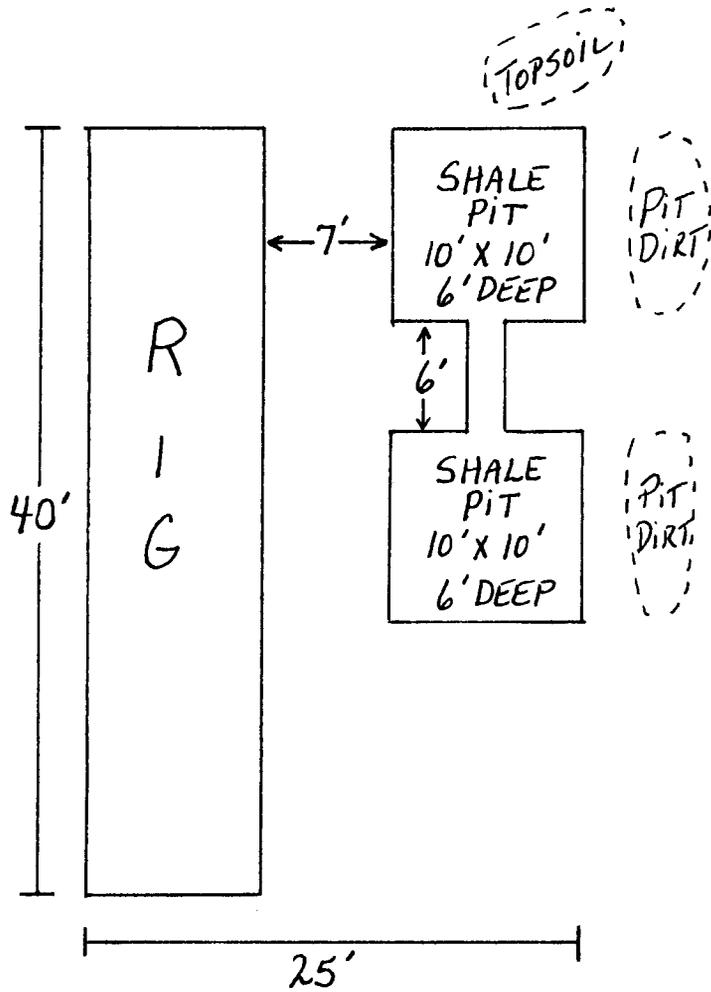
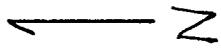
and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/20/84
Date

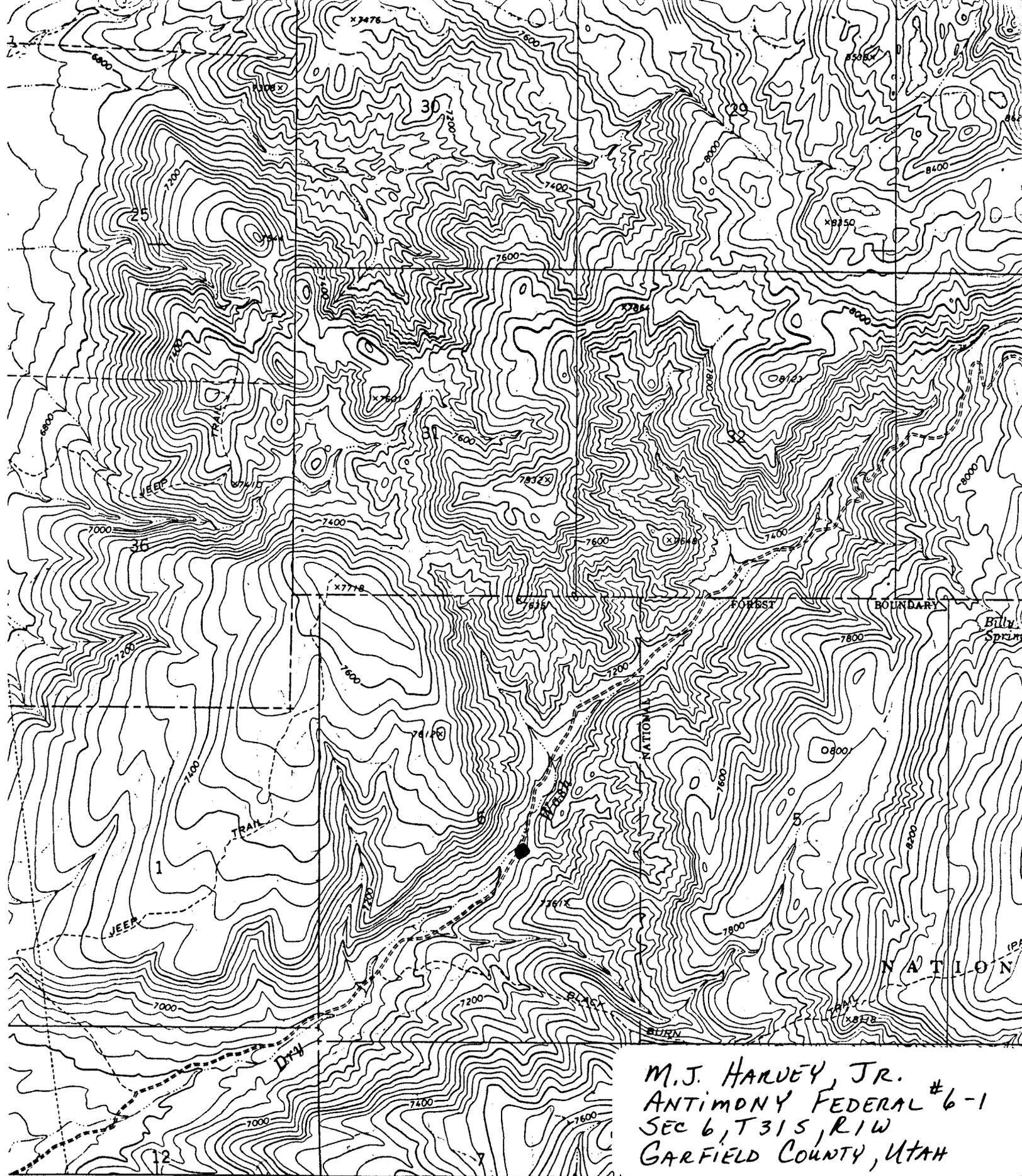
Terry W. Franklin Agent
Name and Title

for M.J. Harvey, Jr.

APPROXIMATELY 4' CUT
ON EAST-SOUTHEAST
SIDE OF DRILL PAD



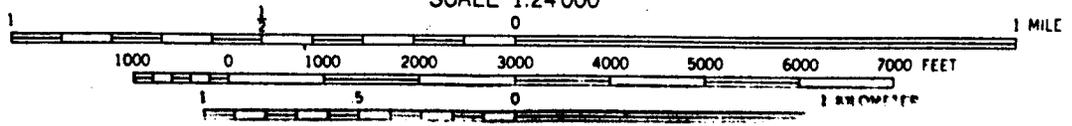
M.J. HARVEY, JR
ANTIMONY FEDERAL #6-1
SEC. 6, T 31S, R1W
GARFIELD COUNTY, UTAH



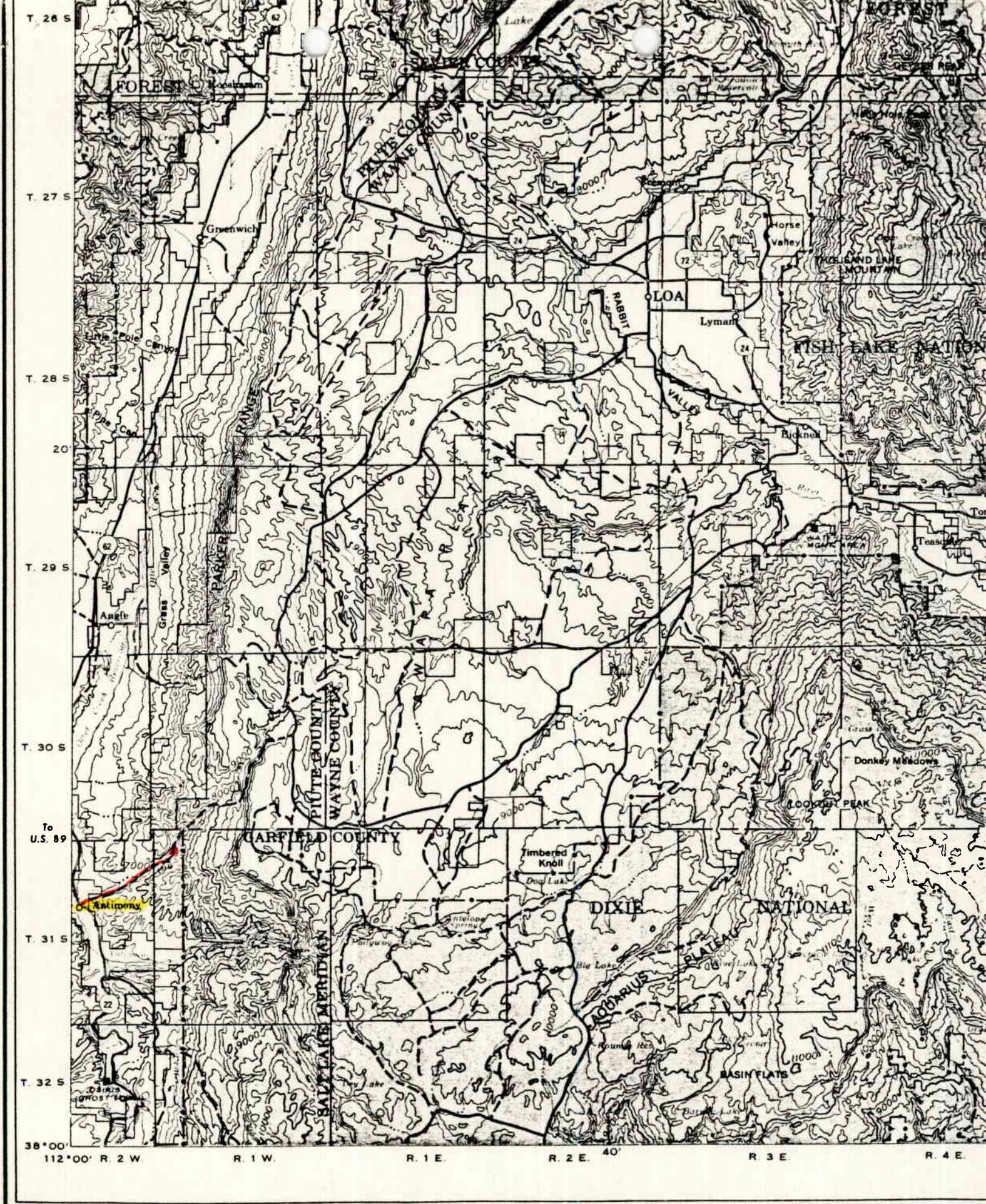
M. J. HARVEY, JR.
 ANTIMONY FEDERAL #6-1
 SEC 6, T31S, R1W
 GARFIELD COUNTY, UTAH

57'30" R. 2 W. R. 1 W. (ANTIMONY) 3660 III SW 1419 55' 1420

SCALE 1:24000



MN



LEGEND

The base grid was compiled by the Bureau of Land Management from the official records of cadastral surveys. Map information was taken from maps prepared

-  PUBLIC LAND
-  STATE LAND

OPERATOR M. J. Harvey, Jr. DATE 8-20-84
WELL NAME Antimony Sid #6-1
SEC SW NE 6 T 31S R 1W COUNTY Garfield
(LOT #15)

43-017-30124
API NUMBER

Lease
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	MAP	<input type="checkbox"/>	HL
<input type="checkbox"/>	NID	<input type="checkbox"/>		<input type="checkbox"/>	PI

PROCESSING COMMENTS:

No other oil wells within 1000'
Med water permit

CHIEF PETROLEUM ENGINEER REVIEW:

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE
 c-3-b c-3-c

SPECIAL LANGUAGE:

1 - Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 20, 1984

M. J. Harvey, Jr.
P. O. Box 12705
Dallas, Texas 75225

Gentlemen:

RE: Well No. Antimony Federal #6-1 - SWNE Sec. 6 (Lot 15), T. 31S, R. 1W
3140' FSL, 2074' FSL - Garfield County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
M. J. Harvey, Jr.
Well No. Antimony Federal #6-1
August 20, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-017-30124.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

RJF/as

Enclosures

cc: Branch of Fluid Minerals - Salt Lake

81559

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-27451	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR M.J. Harvey, Jr.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 12705, Dallas, Texas 75225		8. FARM OR LEASE NAME Antimony Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 3140' FSL & 2074' FEL (Lot 15) At proposed prod. zone Same		9. WELL NO. 6-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles east of Antimony, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat	
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T31S, R1W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		12. COUNTY OR PARISH Garfield	
19. PROPOSED DEPTH 600'		13. STATE Utah	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7032' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
22. APPROX. DATE WORK WILL START* 8/30/84		20. ROTARY OR CABLE TOOLS Rotary	

PROPOSED CASING AND CEMENTING PROGRAM

RECEIVED

AUG 29 1984

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED M.A. Hawk TITLE Owner DATE 8/17/84
By Yerry W. Franklin Agent
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY M.S. Jensen TITLE District Manager
CONDITIONS OF APPROVAL, IF ANY:

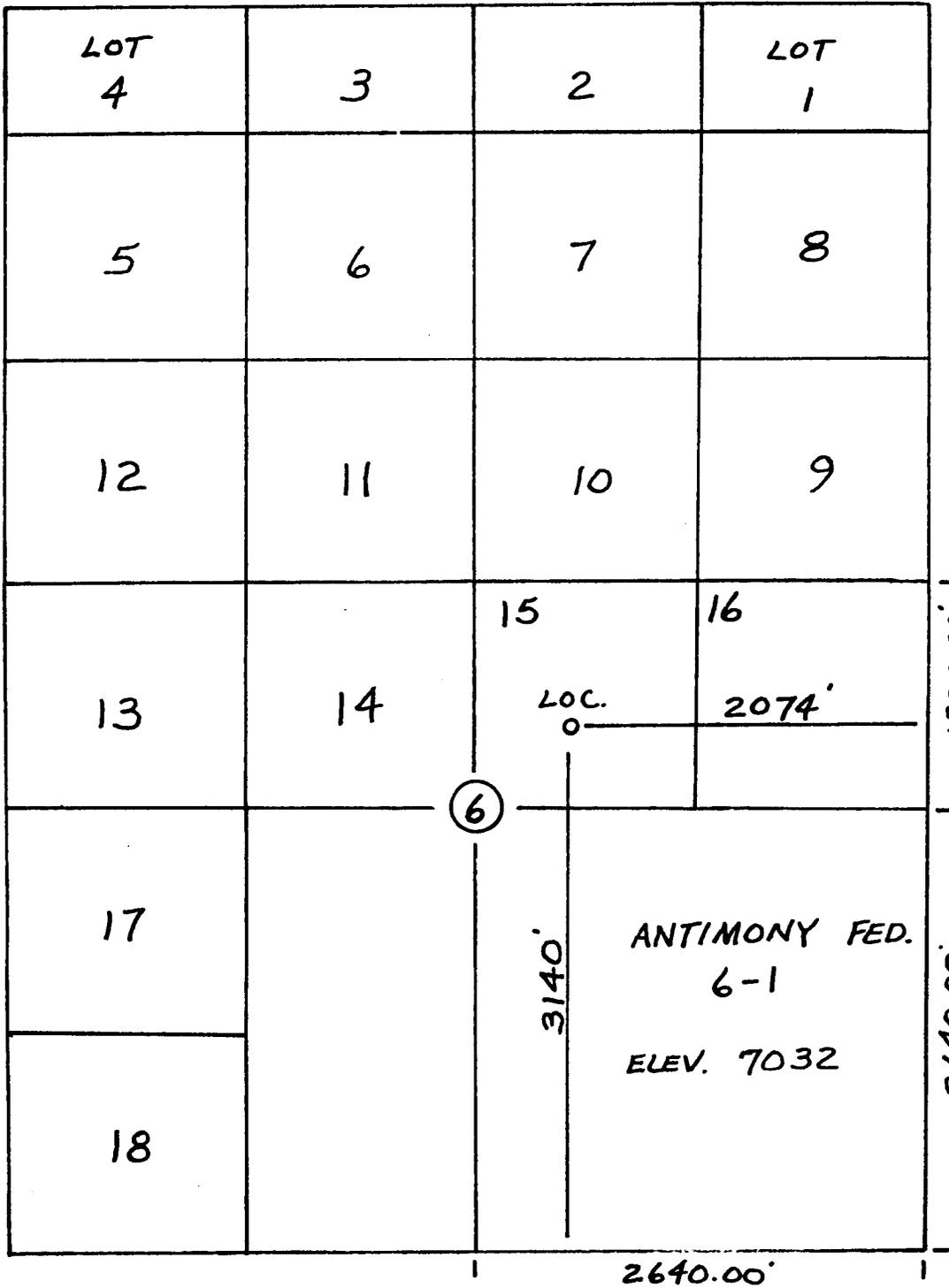
CONDITIONS OF APPROVAL
ATTACHED TO OPERATORS
COPY

24 Aug 1984
FLARING OR VENTING
OF GAS IS SUBJECT TO
MMLAA DATED 1/1/80

NOTICE OF APPROVAL

*See Instructions On Reverse Side

SEC. 6, T 31 S, R 1 W, OF THE S.L.B. P.M.



REFERENCE DOCUMENTS
1915 GLO PLAT
ANGLE
QUADRANGLE, USGS

SURVEYOR'S CERTIFICATE

I, NEALE C. EDWARDS A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Neale C. Edwards

L.S. NO 5252

DATE: 8-17-84

THIS WELL LOCATION PLAT WAS PREPARED FOR M. J. HARVEY, JR. AS REQUESTED BY TERRY FRANKLIN 3140 F.S.L. & 2074 F.E.L. IN LOT 15, OF SECTION 6, T. 31 S. R. 1 W. OF THE S.L. P.M., GARFIELD COUNTY, UTAH

NCE SURVEYS

364 C.R. 216
DURANGO, COLO.
81301
(303) 247-2342

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company M.J. Harvey, Jr. Well No. Antimony Federal 6-1

Location 3140' ESL, 2074 FEL (Lot 15) Sec. 6 Lease No. U-27451
T.31S., R.1W. SLB&M.

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not be completed at that time, a followup report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P.O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternation of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cutting, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contract with this office is: Quay M. Simons
Office Phone: (801) 826-4291 Home Phone: (801) 826-4638
City: Escalante State: Utah

District Manager's Office Address and contacts are:

Address: 1579 North Main, Cedar City, Utah 84720
District Manager: (801) 586-2401 Home Phone: _____

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location ($\frac{1}{4}$, $\frac{1}{4}$ Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

1. There shall be adequate mud-weighting materials available to control any abnormal flows or pressures which may be encountered.
2. The trees removed from the drill pad will be loped and limbed. Logs will be cut and stacked for use in the BLM campground.
3. The stock watering pipeline in the road way will be protected. If the pipeline is damaged it is M. J. Harvey's Company responsibility to repair and/or replace the damaged area.

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator M.J. Harrey Representative Joe Mayer
Antimony Fed.

Well No. #6-1 Location ¼ ¼ Section 6 Township 31S Range 1W

County Garfield Field Wildcat State Utah

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 600' Size hole and Fill per sack _____ " _____ ' and Top _____ #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
_____	_____	_____	_____	1. 100'	200'	20 sx
_____	_____	_____	_____	2. 2 sx	at surface	_____
Formation	Top	Base	Shows	3. Regulation P&A		marker
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

REMARKS

DST's, lost circulation zones, water zones, etc., _____

Approved by _____ Date 9/4/84 Time 0830 a.m.
 p.m.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-27451

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Antimony Federal

9. WELL NO.
6-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLM. AND SUBST OR ABBA
Sec. 6, T31S, R1W

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
M.J. Harvey, Jr.

3. ADDRESS OF OPERATOR
P.O. Box 12705, Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
3140' FSL & 2074' FEL(Lot 15) *swire*

14. PERMIT NO.
4301730124

15. ELEVATIONS (Show whether OF, ST, GR, etc.)
7032' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

17. 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.)

Cretaceous test drilled to 600'. Plugged and Abandoned 9/5/84 as per verbal order from BLM.

1st plug set at 200'. Hole was filled with cuttings and mud to 10'. 20 sx cement plug @ 200'.

2nd plug was with 2 sx cement plug at surface. Installed dry hole marker with well name and legal location.

Surface was restored and ready for inspection on 9/5/84.

RECEIVED
OCT 4 1984
DIVISION OF OIL GAS & MINING

ACCEPTED
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/10/84
BY: John R. Baya

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

SIGNED Terry W. Franklin TITLE Agent DATE 10/01/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

OCT 4 1964

DIVISION OF OIL
GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Antimony Federal No. 6-1

Operator M.J. Harvey, Jr. Address P.O. Box 12705, Dallas, Tx. 75225

Contractor Unzicker & Wells Address P.O. Box 159, Hanksville, Utah 84734

Location 1/4 1/4 Sec. 6, lot 15 T. 31S R. 1W County Garfield

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	None			
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

None

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 21, 1985

Mr. M. J. Harvey, Jr.
P.O. Box 12705
Dallas, Texas 75225

Gentlemen:

Re: Well No. Antimony Federal 6-1 - Sec. 6, T. 31S., R. 1W.
Garfield County, Utah - API #43-017-30124

We have received a notice of subsequent abandonment on the above referred to well. This letter is to advise you that the "Well Completion or Recompletion Report and Log" is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 and forward it to this office as soon as possible, but not later than February 23, 1985.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0045S/8

Michael John Harvey, Jr.

1625 BROADWAY
SUITE 1580
DENVER, COLORADO 80202
303-571-1601

P.O. BOX 12705
DALLAS, TEXAS 75225
(214) 363-7380

1221 WEST COAST HIGHWAY
NEWPORT BEACH, CA 92663
(714) 645-5000

April 24, 1985

RECEIVED

APR 26 1985

DIVISION OF OIL
GAS & MINING

State of Utah
Oil and Gas Natural Resources
355 W. North Temple
Three Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

Re: Antimony Federal Well No. 6-1
Sec. 6, 31S-1W, U-27451
Garfield County, Utah
M. J. Harvey, Jr. - Operator

Gentlemen:

The above-captioned well was drilled to 600 feet total depth and plugged and abandoned September 5, 1984. It was not possible to log this hole because of severe caving conditions therein and plugging of the well was accomplished after receiving verbal order from Mr. Paul Carter, BLM office, Cedar City, Utah on September 4, 1984.

Very truly yours,

M. J. Harvey, Jr.
M. J. Harvey, Jr.
by Gene Morris *m*

cc: Well file
Lease file
Jerry Keeler, Box 927
New Castle, Wyo. 82701



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 18, 1985

M.J. Harvey, Jr.
PO Box 12705
Dallas, Texas 75225

Gentlemen:

Re: Well No.: Antimony Federal 6-1 - Sec. 6, T. 31S., R. 1W.,
Garfield County, Utah - API #43-017-30124

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above referenced well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward it to this office as soon as possible, but not later than July 3, 1985.

Sincerely,

Pam Kenna
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/49

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

BEST COPY
AVAILABLE

56 64 01

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
M. J. Harvey, Jr.

3. ADDRESS OF OPERATOR
Box 12705 Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 3140' FSL & 2074' FEL Sec. 6 - 31S - 1W
At top prod. interval reported below
At total depth SAME

RECEIVED

JUL 05 1985

SWNE

DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-27451

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Antimony Federal

9. WELL NO.
6-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 6 - T 31S R 1W

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

15. DATE SPUNDED 8-31-84 16. DATE T.D. REACHED 9-5-84 17. DATE COMPL. (Ready to prod.) DRY 9-4-84 18. ELEVATIONS (DF, RES, BT, OR, ETC.)* 7032' GR 19. ELEV. Casinghead NA

20. TOTAL DEPTH, MD & TVD 600' 21. PLUG. BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPLET. HOW MANY* 23. INTERVALS DRILLED BY XX 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* NA 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE - UNABLE TO LOG BECAUSE OF CAVING CONDITIONS IN HOLE

27. WAS WELL CORRU.
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SIZE	CEMENTING RECORD	AMOUNT PULLED
NA					

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size, and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
NA		P & A

DATE OF TEST	HOURS TESTED	CHUKE SIZE	PROD'N FOR TEST PERIOD	OIL--BSL.	GAS--MCF.	WATER--BSL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BSL.	GAS--MCF.	WATER--BSL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
WELL PLUGGED 9-5-84

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
DRILLING THIS WELL EARNS A 2-YEAR LEASE EXTENSION

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *[Signature]* TITLE _____ DATE 6/22/85

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning 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 agency. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 1: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
		TOP	BOTTOM			MEAS. DEPTH	TOP
							FEET
				38.	GEOLOGIC MARKERS		
				37. SUMMARY OF POROUS ZONES: 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	Quaternary Alluvium	Surface	
					Arapian Navajo	60' 300'	