



October 11, 1993

RECEIVED

OCT 18 1993

Bureau of Land Management
150 East 900 North
Richfield, Utah 84701

DIVISION OF
OIL, GAS & MINING

Attention: Ray Audette

RE: Application for Permit to Drill
Ferron Federal A-1
Section 36-21S-5E
Sevier County, Utah

Gentlemen:

Enclosed (in triplicate) is Form 3160-3 (Application for Permit to Drill) for the referenced well.

If you have any questions, please contact P. A. Hambright at (405) 552-6226.

Very truly yours,

ANADARKO PETROLEUM CORPORATION

H. J. Smith
Sr. Staff Drilling Engineer

HJS/pah:eic
Attachment

cc(s):

BLM
Price Resource Area
900 North, 700 East
Price, UT 84501

BLM
Moab District
PO Box 970
Moab, UT 84532

State of Utah
Dept. of Natural Resources
Div. of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203
Attn: Frank Matthews

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
Anadarko Petroleum Corporation (405) 236-2821

3. ADDRESS AND TELEPHONE NO.
One LSS #1400, 211 N. Robinson, Okla. City, OK 73102-7115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
959' FSL & 1559' FWL, Sec. 36-21S-5E (SE/SW)
 At proposed prod. zone
959' FSL & 1559' FWL, Sec. 36-21S-5E (SE/SW)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles west of Emery, UT

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
958.80' FSL
 (Also to nearest drlg. unit line, if any) 1558.70' FWL

16. NO. OF ACRES IN LEASE
1266.56

17. NO. OF ACRES ASSIGNED TO THIS WELL
1266.56

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
4000'

19. PROPOSED DEPTH
3000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6260'

22. APPROX. DATE WORK WILL START*
11-15-93

5. LEASE DESIGNATION AND SERIAL NO.
U-67242

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.
Ferron Federal

9. AN WELL NO.
A-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 36-21S-5E (SE/SW)

12. COUNTY OR PARISH
Sevier County

13. STATE
UT

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	200 cf.
7-7/8"	4-1/2"	13.5#	2300'	150 cf.

Attached to this APD is the following:

- 1) Survey plat.
- 2) Drilling Plan with BOP Schematic.
- 3) Surface Use Plan.
- 4) Topo & Access Map & Area Map.
- 5) Pit & Pad Layout with cross sections of pit, pad, & rig layout.
- 6) Self-Certification of Operator.
- 7) Culture Study.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED H. J. Smith TITLE Sr. Staff Drlg. Engr. DATE 10-11/93

(This space for Federal or State office use)

PERMIT NO. 43-041-30027

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF

OIL, GAS, AND MINING

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

DATE: 10/30/93
BY: [Signature]
WELL SPACING: Exception

APPROVED BY _____ TITLE _____

*See Instructions On Reverse Side

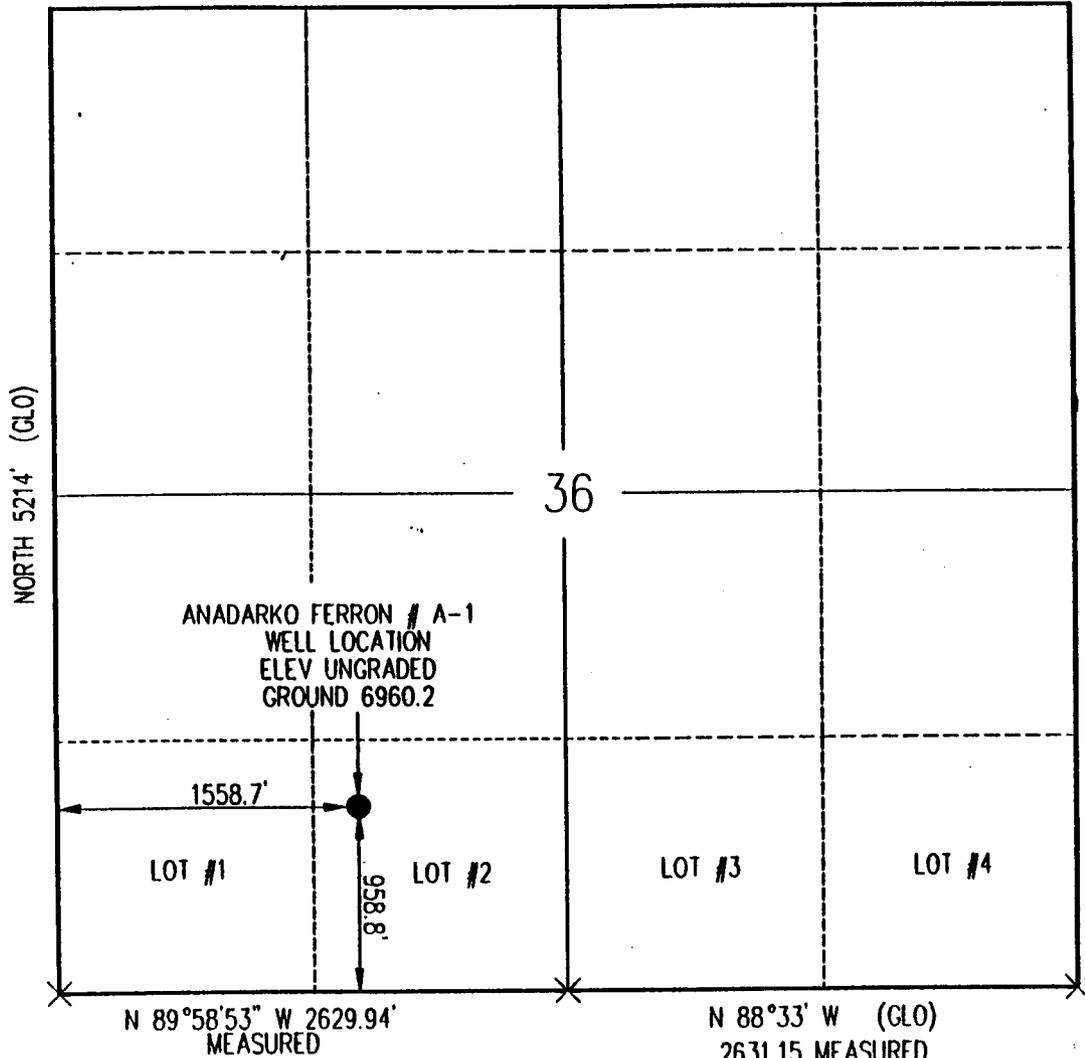
Utah Admin. R. 694-3-3

T21S, R5E, SLB & M

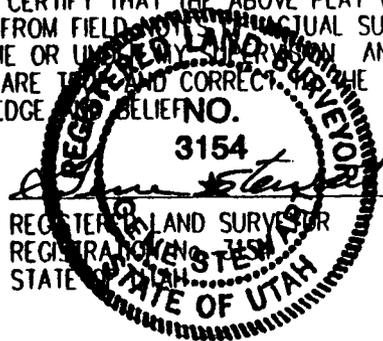
EAST 5252.28' (GLO)

ANADARKO PETROLEUM CORP.

WELL LOCATION, ANADARKO PETROLEUM CORP.
FERRON FED # A-1, LOCATED AS SHOWN IN THE
SE 1/4 SW 1/4 OF SECTION 36, T21S, R5E, S.L.B. & M,
SEVIER COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD AND ORIGINAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

N 89°58'53" W 2629.94'
MEASURED

N 88°33' W (GLO)
2631.15 MEASURED
BASIS OF BEARINGS

X = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. PLAT 1911
BASIS OF ELEV; U.S.C.S. 7-1/2 min QUAD (EMERY WEST)

WEATHER: CLEAR & HOT
DATE: 8-12-93
SCALE: 1" = 1000'
SURVEYED BY: GS ZD DP
FILE: MF A-1



DRILLING PLAN
TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL

Company: Anadarko Petroleum Corporation

Well: Ferron Federal A-1

Location: SE/SW Sec. 36-T21S-R5E

Lease No: U-67242 (Federal)

959' FSL & 1559' FWL of Section 36

Sevier County, Utah

Surface Elevation: 6960'

A. Estimated Tops of Important Geologic Markers:

<u>Geologic Marker</u>	<u>Depth</u>
=====	=====
Pediment Gravels	Surface
Mancos-Bluegate Shale	200'
Ferron Sandstone	2410'
Ferron Coals	2460-2760'
Tununk	2900'

B. Estimated Depth at which Water, Oil, Gas, or other Mineral-Bearing Zones are expected to be encountered:

Gas-bearing Ferron Coals are expected to be encountered from 2460'-2760'.

All fresh water zones and prospectively valuable mineral zones encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

C. Pressure Control Equipment:

- 1) An 10" 3000 psi WP double gate hydraulic BOP with pipe rams and blind rams will be installed on the 8-5/8" casinghead. The BOP stack will be tested prior to drilling below surface casing. The ram preventers will be tested to 70% of the working pressure of the casinghead. The annular will be tested to 50% of its working pressure. Operational checks will be made daily or on trips. A BOP schematic is shown on attached Exhibit "A".

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DIVISION

Oil & Gas

Pressure Control Equipment (cont'd)

cont'd 1) The BOP system 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. This inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The accumulator system will meet IADC guidelines concerning pump capacities, storage capacity, and reservoir volume. Closing unit fluid volume will be sufficient to pre-charge the system to operating pressure plus 50% excess. One set of controls will be in the doghouse on the rig floor and one set will be remote on the drilling pad.

2) 10" 3000 psi WP hydraulic BOPE with pipe rams and blind rams will be installed on the 7-1/16" "B" sections. The BOP stack will be tested prior to drilling below surface casing. The ram preventers will be tested to 70% of the working pressure of the casinghead. The annular will be tested to 50% of its working pressure. Operational checks will be made daily or on trips. A BOP schematic is shown on attached Exhibit "A".

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D. Casing Program

Surface Casing - 8-5/8" casing will be set at approximately 300'.

Intermediate Casing - 4-1/2" casing will be set at approximately 2300' if well is to be completed.

<u>Size</u>	<u>Wt./Ft.</u>	<u>Grd.</u>	<u>Thrd.</u>	<u>Condition</u>
Surface	8-5/8"	24.0	K-55	8rd New
Intermediate	4-1/2"	13.5	K-55	8rd New

Casing Design Factors

The safety factors on casing strings will equal or exceed the following values:

Collapse	1.0
Joint Strength	1.6
Burst	1.33

Cement Program

Surface - Cement will be circulated to the surface. Casing will be cemented with approximately 200 cu. ft. of API Class 'G' cement.

Intermediate - Casing will be cemented with approximately 150 cu. ft. of API Class 'G' cement. The actual cement volume will be based upon hole depth and gauge, and will be determined from logs.

Core Hole - Will be P & A'd. Class "G" cement will be utilized. Cement will be spotted from TD to 2000'.

Additional additives will be used to retard the cement, accelerate the cement, control lost circulation, or control fluid loss. All cementing will be done in accordance with API cementing practices.

E. Mud Program and Circulating Medium:

Fresh water circulated through the reserve pit will be used for drilling the 12-1/4" surface hole to 300'. A low solids, non-dispersed mud system with funnel viscosity of 35-40 seconds, API water loss of 10-20 cc/30 minutes, and 8.8-9.2 ppg mud weight will be used for drilling from below surface pipe at 300' to TD.

The mud system will be visually monitored.

A truck-mounted air drilling rig may be used to drill the surface hole to 300' and to pre-set the surface casing before moving a drilling rig on location to drill the rest of the hole to TD.

Sufficient mud materials will be stored at the wellsite to maintain mud requirements and to control minor well control or lost circulation problems.

F. Coring, Logging, and Testing Program:

- a. A continuous core will be taken in the Ferron Coals interval (2150'-2650').
- b. DSTs may be run depending upon shows.
- c. The following logging program is planned:
 1. DIL-ML-SP-GR-CAL over prospective intervals.
 2. SDL-CNL-GR-CAL over prospective intervals.
 3. CNL-CAL-GR TD to Surface (2400'-2900' Est.)
- d. A mud logging unit with chromatograph will be used from approximately 2400' to TD.
- e. Productive zones will be swab tested. Water produced during testing will be contained in the temporary reserve pit. All produced oil will be stored and sold. Gas may be flared during testing.

G. Abnormal Conditions and Potential Hazards:

Abnormal conditions such as abnormal temperatures or pressures are not anticipated. Potential hazards such as H₂S are also not anticipated.

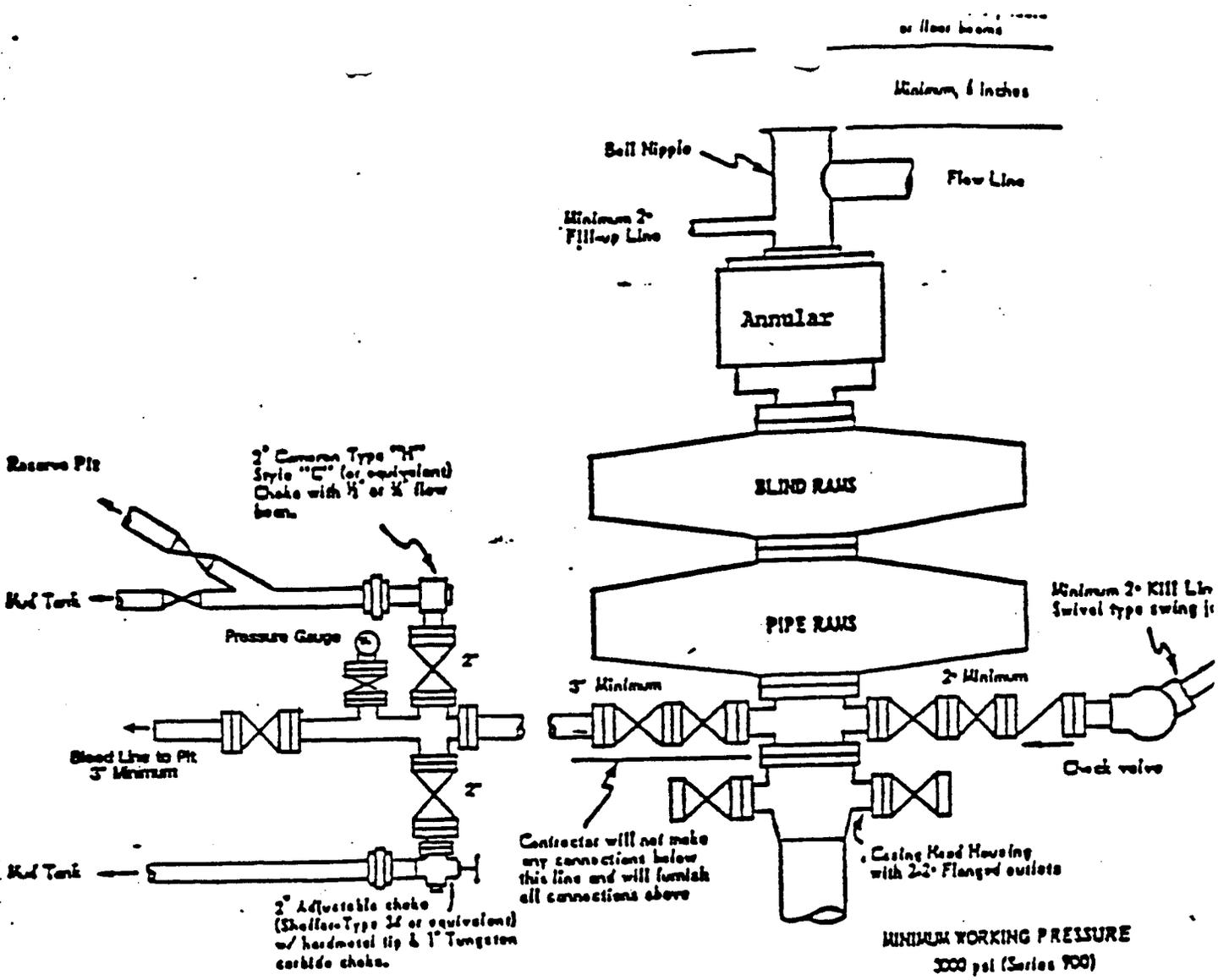


EXHIBIT A



MINIMUM BLOWOUT PREVENTER
 REQUIREMENTS - NORMAL
 PRESSURE (SHALLOW) SERVICE

**SURFACE USE PLAN
TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL**

Anadarko Petroleum Corporation
Ferron Federal A-1
959' FSL & 1559' FWL of Section 36-T21S-R5E
Sevier County, Utah

1. Existing Roads: See Map "A".
 - a. Location of proposed well in relation to town or other reference point: Location is approximately 4.2 miles northwest of Emery, Utah.
 - b. Proposed route to location: From Emery proceed southwest on Hwy. 10 approximately 0.5 mile to Hwy. marker 12, then continue on the Hwy another 0.5 mile to County Road 152 on the right side of the road. Turn right and proceed north on this road .5 mile to an intersection with another dirt road. Turn left and proceed 3.7 miles to the drillsite.
 - c. Location and description of roads in the area:
(See Map "A").
 - d. Plans for improvement and/or maintenance of existing roads:
The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations.

2. Planned Access Roads:
 - a. The existing and proposed roads will be crowned, ditched or dipped from the existing County road to the location prior to use for moving the drilling rig onto the site. The maximum disturbed width will not exceed 30' with an eighteen foot running surface. Dust will be controlled by the use of water or an approved dust retardant, as directed by the Area Manager. All roads, including access to drilling water, will be maintained in as good or better condition than existing condition.
 - b. Maximum grades: Maximum grade will be less than 10%.
 - c. Turnouts: None planned.
 - d. Location: Access to the location uses an existing road. New road that will be constructed for access off of the existing road is flagged. (See Map "B").
 - e. Drainage: The road surface will be center crowned with ditches on each side of road. Slopes will have a maximum slope of 3:1.

f. There will be no culverts placed in the ditchways during the drilling phase of operations. Further evaluation will be made for the additions of culverts if the road is to have long-term use.

g. Surface materials (source): Surface materials will most likely not be required to be transported to the access road or drill pad for construction purposes. However, if gravel is required, the dirt contractor will be responsible for locating and permitting of any necessary construction material.

3. Location of Existing Wells: (2 mile radius)

No producing wells are located within a two mile radius of the proposed well.

4. Location of Tank Batteries and Production Facilities:

No production facilities will be installed.

5. Location and Type of Water Supply:

Water supply for drilling and completion purposes will be furnished by a water hauler.

Water supply will be obtained from the City of Emery.

6. Source of Construction Material:

Native material will be used for road surfacing and pad construction.

Should additional construction material be required, it will be the responsibility of the dirt contractor to locate and permit (if necessary) use of that material.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. Methods of Handling Waste Disposal:

The reserve pit will not be lined.

Produced waste water will be confined to an unlined pit for a period not to exceed 90-days after initial production.

Trash will be confined in a covered container and hauled to an approved landfill. Burning of waste or oil is not approved, and spoil material will be kept on site for recontouring.

No bore holes will be used for disposal of waste materials. Human waste will be contained and will be disposed of at an approved sanitary landfill.

8. Ancillary Facilities:

Not applicable for drilling operations in this area.

9. Wellsite Layout:

A plat showing access to the well-pad and the location of the reserve pit are attached.

The location and access road will be cleared of trees prior to any construction. Stumps will be scattered or buried in an area designated by the BLM. Any stump left in place will be cut so that the stump height does not exceed 12 inches. All slash less than four inches in diameter will be chipped or scattered outside the cleared area and must be within 24 inches of the ground at all points. All material four inches in diameter or greater will be removed from Federal land, unless otherwise directed. All of the above will take place prior to placement of drilling facilities.

Topsoil and vegetation will be stripped together to a depth of 6 to 8 inches and stockpiled by wind-row on the northeast edge of the location. No topsoil stripping will be allowed when soils are moisture saturated to a depth of 3 inches, or frozen below the stripping depth.

The reserve pit will be fenced on three sides prior to drilling activity and closed off on the fourth side after drilling is finished. Fencing will be four strands of barbed wire or 48-inch woven wire with one strand of barbed wire above the woven wire. All corners will be braced with a wooden H-type brace. The fence construction will be on cut or undisturbed ground and the fence will be maintained in a livestock tight condition.

10. Plans for Restoration of Surface:

The Richfield Resource Area Manager will be notified at least 24-hours prior to commencing reclamation work.

Immediately upon completion of drilling, the location and surrounding area will be cleared of all 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 and all cans, barrels, pipe, etc. will be removed.

Upon abandonment/dryhole:

Restore the access road and location to blend with the natural topography. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location and seed using a seed mixture approved by the Area Office. The access road and location will be ripped or disked prior to seeding.

Prepare seed-bed by contour cultivating four to six inches deep. Drill seed 1/2 to 1 inch deep following the contour. In areas that cannot be drilled, broadcast seed at 1.5 times the application rate and cover 1/2 to 1 inch deep with a harrow or drag-bar.

Fall seeding will be completed after September 1 and prior to ground frost. Spring seeding will be completed after the frost has left the ground and prior to June 1.

11. Surface and Minerals Ownership:

United State of America, Department of the Interior, Bureau of Land Management.

12. Other Information:

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

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

An archaeology inspection will be performed by an authorized contractor. Their report on this inspection will be sent directly to the Richfield Resource Area Office.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts or fossils. The Operator will immediately bring to the attention of the Richfield Resource Area Manager any and all antiquities or other objects of historic or

scientific interest including, but not limited to, historic or prehistoric ruins, artifacts, or fossils discovered as a result of operations under this permit. The operator will immediately suspend all activities in the area of the object and will leave such discoveries intact until told to proceed by the Area Manager. Notice to proceed will be based upon evaluation of the cultural significance of the object. Evaluation will be by a qualified professional selected by the Area Manager from a Federal Agency insofar as practical. When not practical, the Operator will follow the mitigation requirements set forth by the Area Manager concerning protection, preservation, or disposition of any sites or material discovered. Within five working days the Area Manager will inform the Operator as to:

whether materials appear eligible for the National Register of Historic Places;

the mitigation measure(s) the Operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary; and,

a time frame for the Area Manager to complete an expedited review under 36 CFR 800.11 to conform, through the State Historic Preservation Officer, that the findings of the Area Manager are correct and that mitigation is appropriate.

If the Operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Area Manager will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, in those situations where the Area Manager determines that mitigation, data recovery and/or salvage excavations are necessary, the Operator will bear the cost. The Area Manager will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Area manager that the required mitigation has been completed, the Operator will then be allowed to resume construction.

13. Lessee's or Operator's Representatives and Certification:

Representative

=====
Name: D. W. Ault
Phone: (405) 236-2821 or (405) 552-6222
Address: Anadarko Petroleum Corporation
One Leadership Square, Suite 1400
211 N. Robinson
Oklahoma City, Oklahoma 73102-7115

Certification

=====

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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

ANADARKO PETROLEUM CORPORATION

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.

Date

D. W. Ault
Division Drilling Engineer

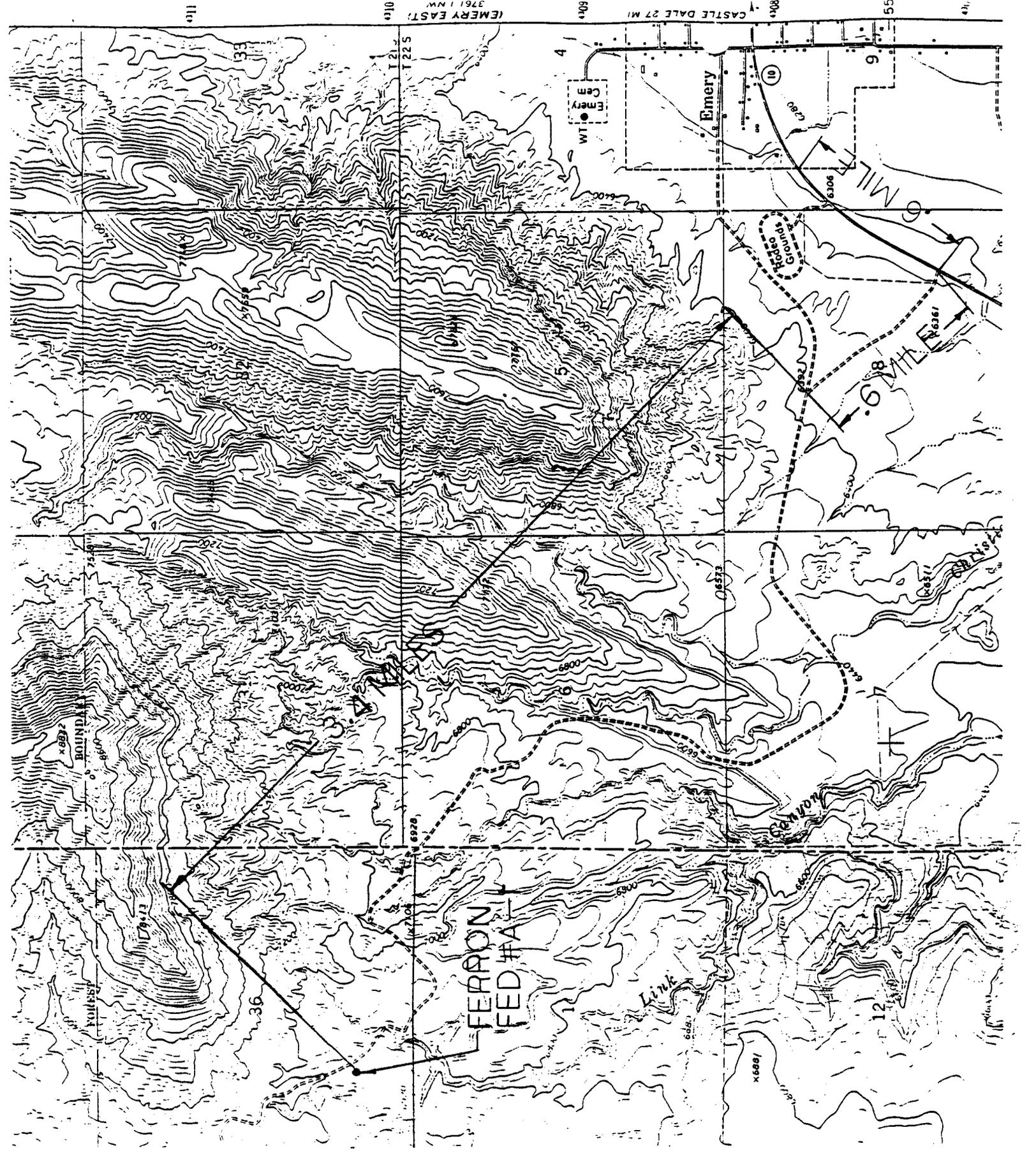
Ferronfed.a1-permit.
10/11/93

Be advised that Anadarko Petroleum Corporation is considered to be the Operator of the FERRON FEDERAL A-1, (SE/SW) Sec. 36-T21S-R5E, Lease No. U-67242, SEVIER COUNTY, UTAH, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. 153571.

(Principal: Anadarko Petroleum Corporation) via surety consent as provided for in 43 CFR 3104.2. (Surety - Seaboard Surety) 43 CFR 3104.2.

This office will hold the aforementioned Operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.



ANADARKO PETROLEUM CORP.

MONUMENT FEDERAL #14-12J

TOPOG MAP

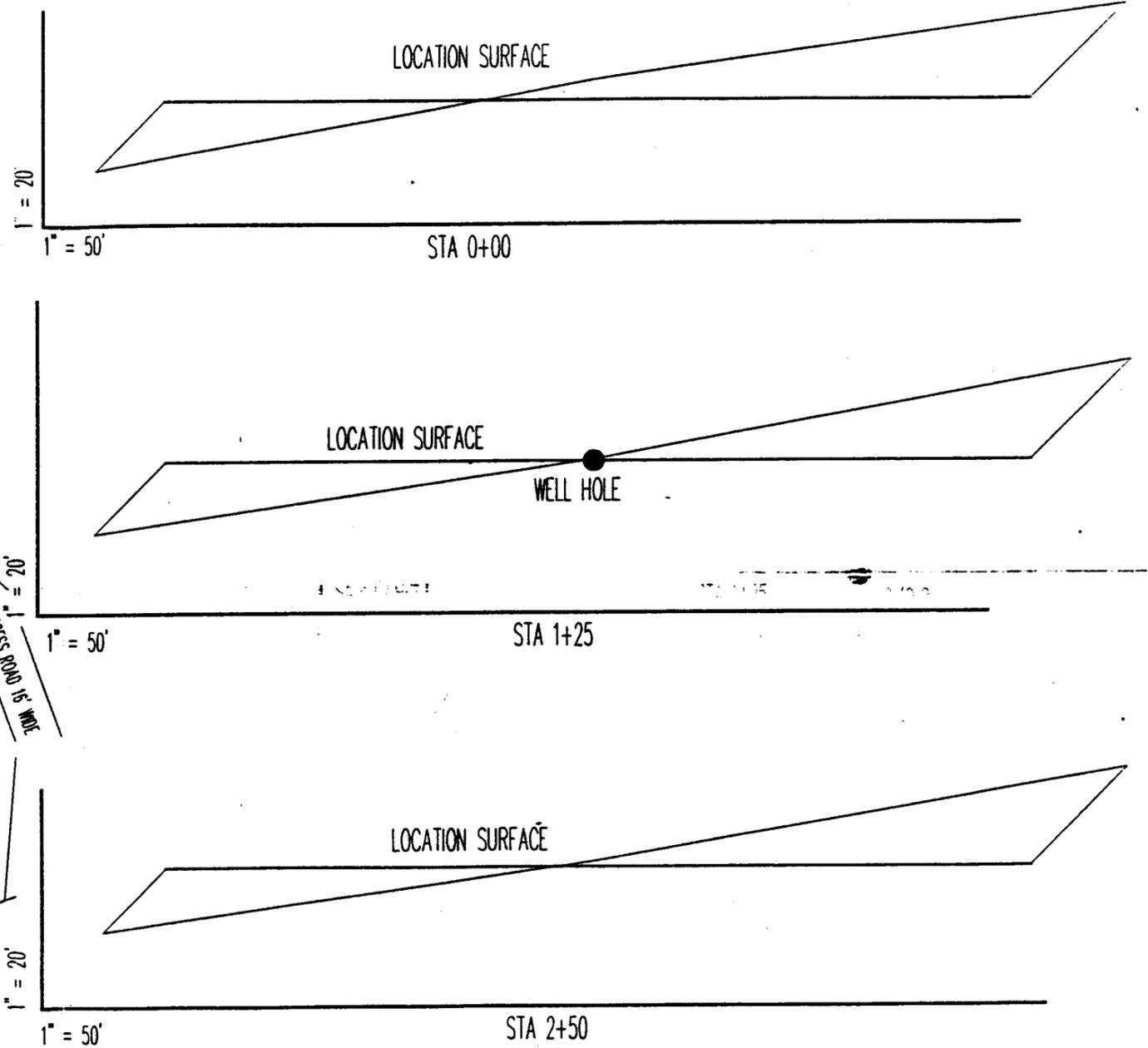
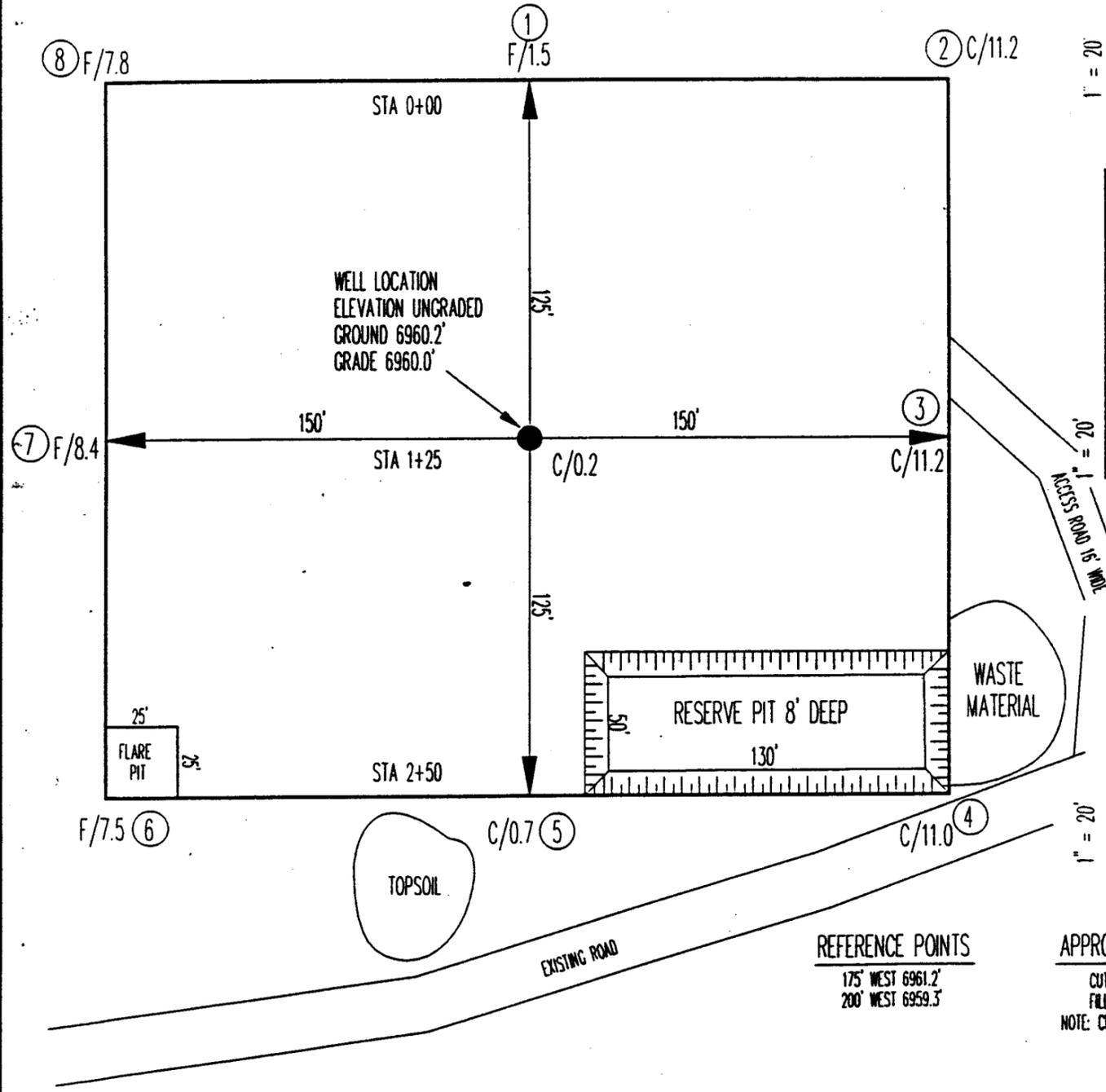
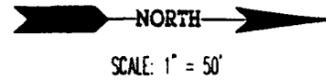
TRI-STATE

LAND SURVEYING, INC.

38 WEST 100 NORTH, VERNAL, UTAH 84078

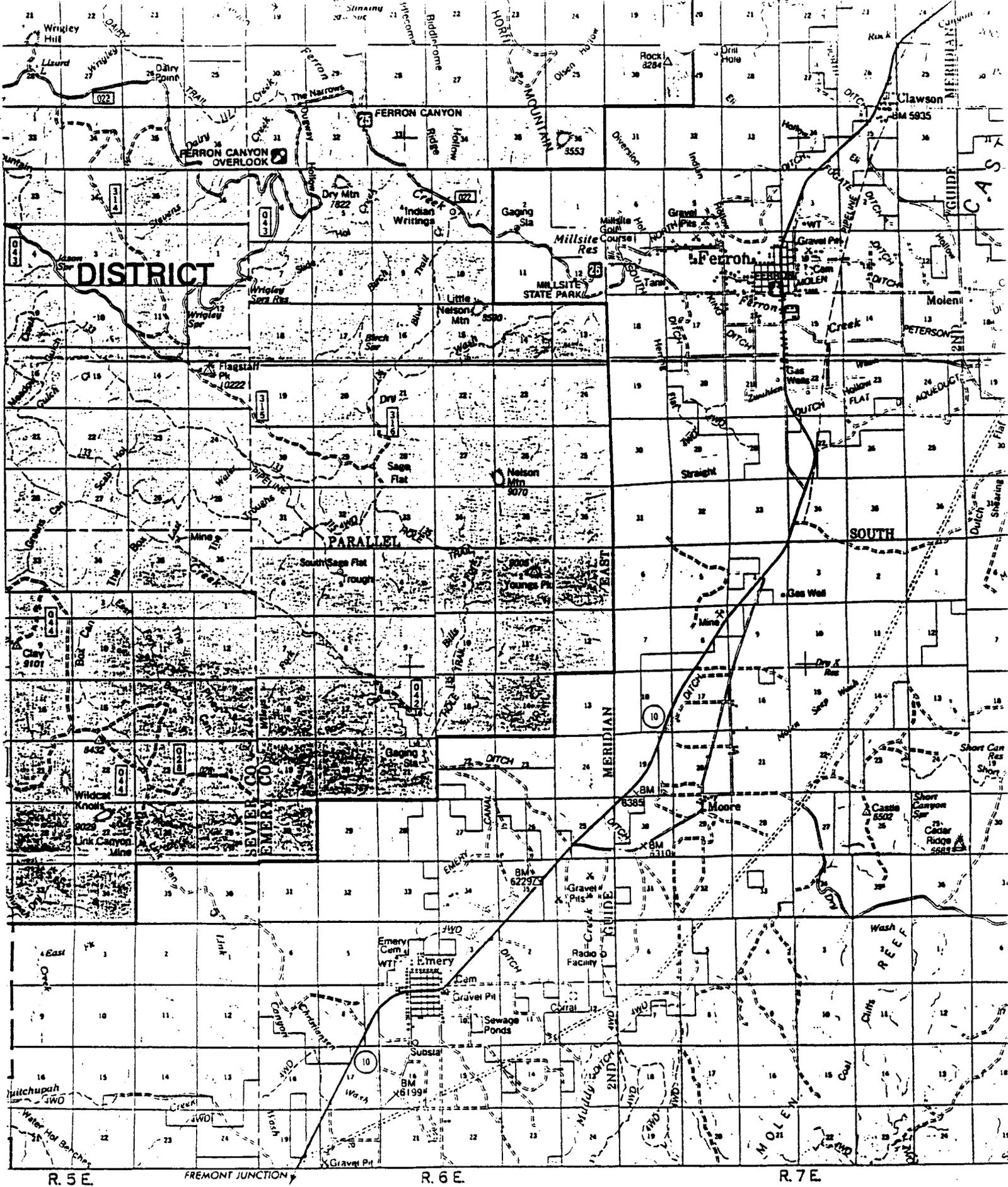
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ANADARKO PETROLEUM CORP.
ANADARKO FERRON FEDERAL #A-1



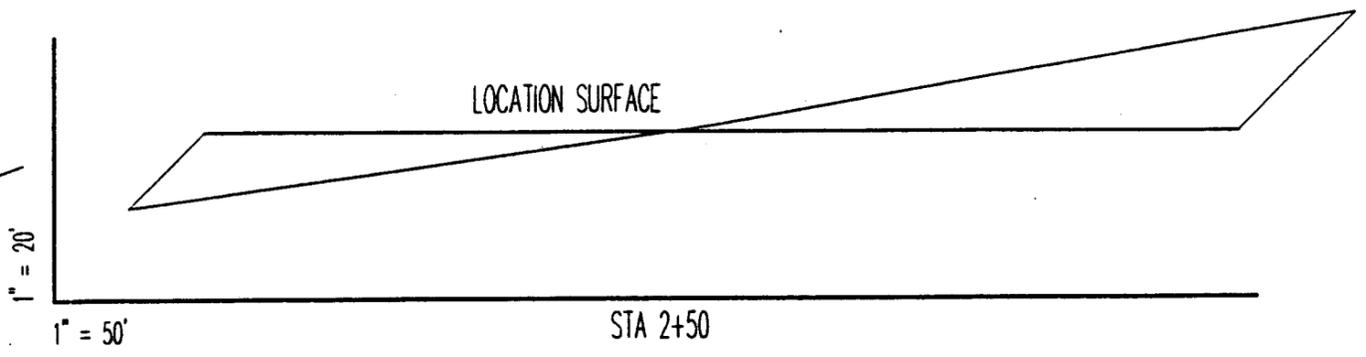
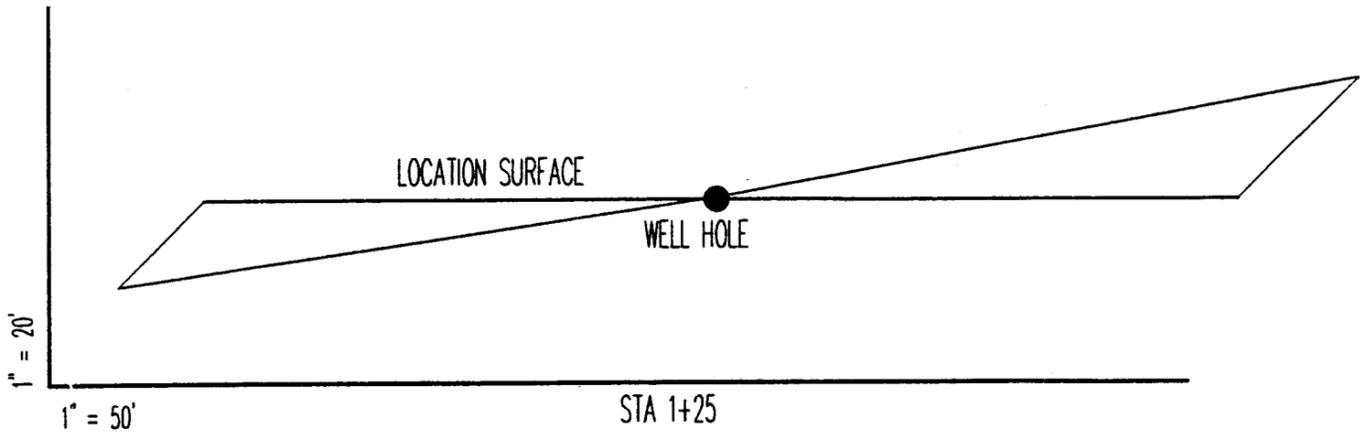
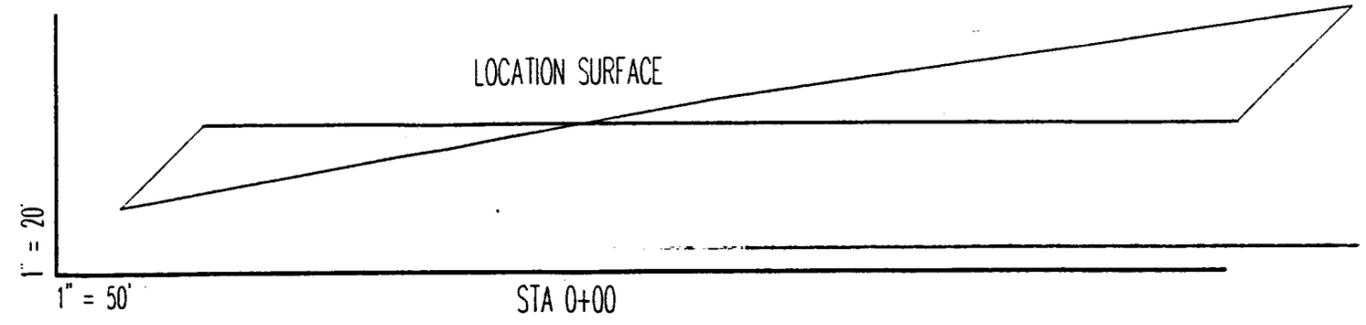
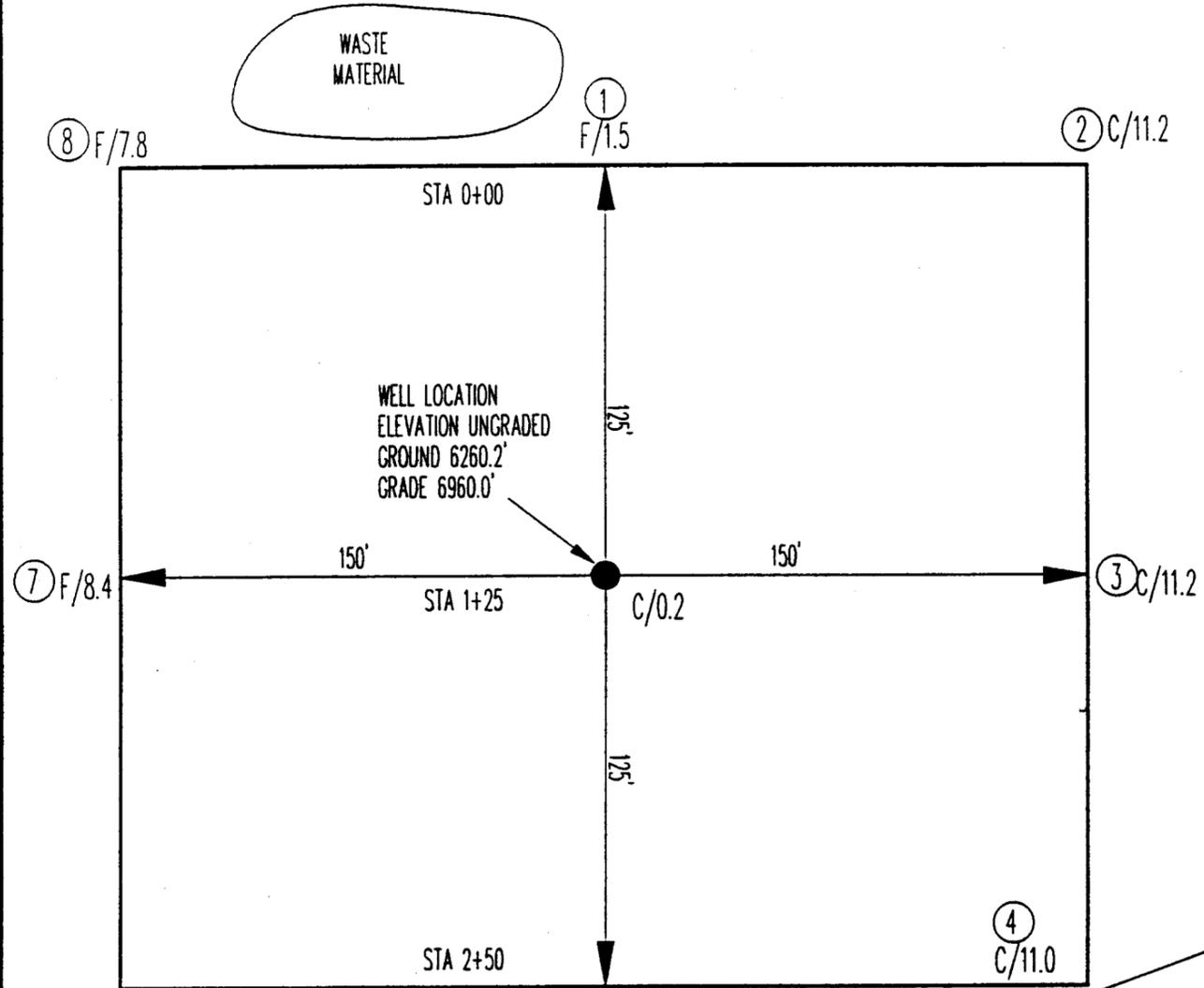
APPROXIMATE YARDAGE
CUT = 8546 Cu Yds
FILL = 4926 Cu Yds
NOTE: CUT AND FILL CANNOT BE BALANCED
WITHOUT PUTTING RIG ON FILL

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501



2°30' from Greenwich F 111°15'00" G 111°07'30" H

ANADARKO PETROLEUM CORP.
ANADARKO FERRON FEDERAL #A-1



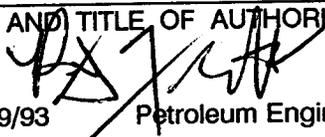
REFERENCE POINTS
175' WEST 6961.2'
200' WEST 6959.3'

APPROXIMATE YARDAGE
CUT = 8546 Cu Yds
FILL = 4926 Cu Yds
NOTE: CUT AND FILL CANNOT BE BALANCED
WITHOUT PUTTING RIG ON FILL

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
November 15, 1993
-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Six County Commissioners Organization
-
5. TYPE OF ACTION: Lease Permit License Land Acquisition
 Land Sale Land Exchange Other _____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. Anadarko Petroleum Corporation proposes to drill the Ferron Federal A-1 well (wildcat) on federal lease U-67242 in Sevier County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4 SW/4, Section 36, Township 21 South, Range 5 East, Sevier County, Utah
-
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
See Attachment
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT: Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL: 
DATE: 11/29/93 Petroleum Engineer

WO1187

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/18/93

API NO. ASSIGNED: 43-041-30027

WELL NAME: FERRON FEDERAL A-1
OPERATOR: ANADARKO PETROLEUM (N0035)

PROPOSED LOCATION:
SESW 36 - T21S - R05E
SURFACE: 0959-FSL-1559-FWL
BOTTOM: 0959-FSL-1559-FWL
SEVIER COUNTY
WILDCAT FIELD (001)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED
LEASE NUMBER: U-67242

RECEIVED AND/OR REVIEWED:

Plat
 Bond
(Number FEDERAL)

Potash (Y/N)
 Oil shale (Y/N)
 Water permit
(Number CITY OF EMERY)

RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____

___ R649-3-2. General.

R649-3-3. Exception.

___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: NOTE. THIS IS NOT A STATE SECTION. EXCEPTIONAL LETTER ON FILE FOR GEOLOGIC EXCEPTION.

STIPULATIONS: 1. RDCC STIPULATION

cc. BLM Richfield office
Sevier Co Assessor

November 11, 1993



Utah Board of Oil, Gas, and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203



NOV 15 1993

DIVISION OF
OIL, GAS & MINING

Attn: Mike Hebertson

RE: Request for Location Exception
Ferron Federal 'A' #1
Sec. 36-21S-5E
Sevier Co., UT

Gentlemen:

Anadarko Petroleum Corporation recently submitted a Federal "Application for Permit to Drill" for the referenced well. This well is in violation of the state-wide spacing rules.

The location was staked to ensure the best chance of success geologically and to avoid unsuitable terrain; therefore, a location exception is requested.

If you have any questions or require additional information, please contact P. A. Hambright at (405) 552-6226.

Very truly yours,

Anadarko Petroleum Corporation

A handwritten signature in cursive script that reads "D. R. Winchester".

D. R. Winchester
Sr. Staff Drilling Engineer

pah

cc: BLM
Price Resource Area
900 North 700 East
Price, UT 84501

BLM
Moab District
P. O. Box 970
Moab, UT 84532

BLM
Richfield District Office
150 East 900 North
Richfield, UT 84701



November 18, 1993

VIA UPS

U. S. Dept. of the Interior
Bureau of Land Management
150 East, 900 North
Richfield, Utah 84701

Attn: Michael Jackson



NOV 24 1993

DIVISION OF
OIL, GAS & MINING

RE: Ferron Federal A-1
Sec. 36-21S-5E
Sevier County, UT

Gentlemen:

Anadarko Petroleum Corporation (APC) recently submitted an Application for Permit to Drill (APD) for the referenced well. Attached is the Certification signed by the appropriate company representative. The following additional information is submitted in order to further process the APD:

- 1) Predicted Bottom Hole Pressure: 1200 psi (Estimated).
- 2) Clarification of Proposed 4-1/2" Casing: 4-1/2" 9.5, 10.5, or 11.6# K-55 8rd New Casing, depending upon availability. Each of the weights listed will equal or exceed design parameters.
- 3) Length of New Access Road (see Map B): \pm 100 yds.
- 4) Legal Description of Water Supply provided by the City of Emery: Water will be diverted thru a canal from the Muddy Creek to the Water Works Department of Emery in Sec. 3-22S-6E, Emery County, UT.
- 5) Disposal of Drilling Fluids & Borehole Cuttings: Drilling fluids will be hauled to an approved disposal site & borehole cuttings will be buried when the unlined reserve pit is covered.
- 6) Display Location of Flare Pit & Line on Well Layout: (see Exhibit B).

Bureau of Land Management
Richfield, Utah
11/18/93

- 7) Location & Dimension of Reserve Pit: (see Exhibit B).
- 8) Improvements to existing County Road: The existing County Road will not require any improvements; however, in the event that Bridge #1 in the N/2 of Sec. 7-22S-6F would not support heavy loads, the existing low-water crossing will be utilized with minor work. Any work will be coordinated with the Emery County Road Department.

The access road located in the NE/SE of Sec. 8-22S-6E crosses private property. APC is in the process of obtaining the appropriate surface agreement with the private property surface owner. A copy of the surface agreement will be submitted under separate cover. The remaining access road in the W/2 NE/4 & NW/4 of Sec. 8, N/2 Sec. 7, W/2 Sec. 6-22S-6E and the N/2 Sec. 1-22S-5E will not require any additional road improvements.

Also attached are the Roadway Encroachment Applications which were submitted to the Emery County and Sevier County Road Departments.

If you have any questions or require additional information, please contact P. A. (Trish) Hambright at (405) 552-6226.

Very truly yours

ANADARKO PETROLEUM CORPORATION



D. R. Winchester
Sr. Staff Drilling Engineer

DRW/pah:
foron.a1-amendpermit.

Attachments: Certification, Map B, Exhibit A,
Emery & Sevier County Roadway Applications.

cc: State of Utah
Attn: Mike Hebertson
Dept. of Natural Resources
Div. of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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

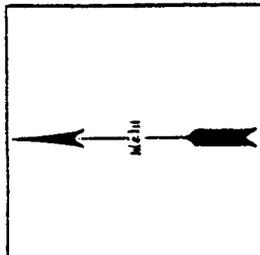
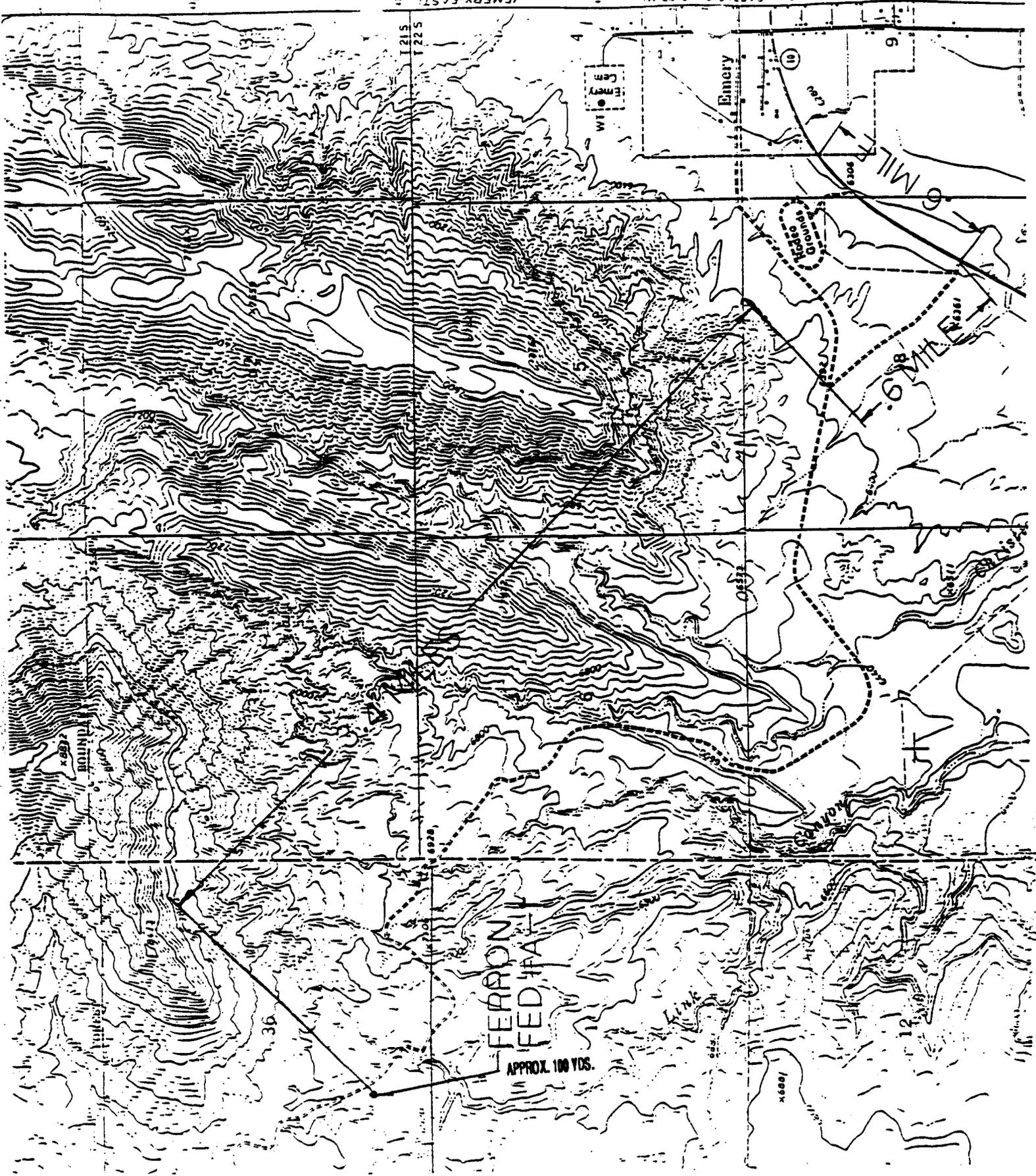
ANADARKO PETROLEUM CORPORATION

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.

11-18-93
Date

D. W. Ault / for DW Ault
D. W. Ault
Division Drilling Engineer

Ferronfed.a1-permit.
10/11/93



ANADARKO PETROLEUM CORP.
MONUMENT FEDERAL #14-12J
TOPOG MAP



November 17, 1993



Emery County Road Department
PO Box 889
Castle Dale, UT 84513

RE: Roadway Encroachment Application
FERRON FEDERAL A-1
Sec. 36-T21S-R5E
Sevier County, UT

Gentlemen:

Attached is the Roadway Encroachment Application requesting a permit to encroach upon a roadway within Emery County known as Link Canyon Road #911 (map attached).

Our Check No. 14738 in the amount of \$10.00 is attached for the filing fee.

If you have any questions, please contact P. A. (Trish) Hambright at (405) 552-6226.

Very truly yours

ANADARKO PETROLEUM CORPORATION

A handwritten signature in cursive script that reads "D. R. Winchester".

D. R. Winchester
Sr. Staff Drilling Engineer

DRW/pah:
pah-roadwayappl.

Attachments

cc: BLM
Richfield District Office
150 East 900 North
Richfield, UT 84701

Applicant: Anadarko Petroleum Corporation

Address: 211 N. Robinson
One Leadership Square, Ste. 1400
Oklahoma City, OK 73102-7115

Phone: (405) 236-2821

ROADWAY ENCROACHMENT APPLICATION

Anadarko Petroleum Corporation (Applicant) hereby applies
for a permit to encroach upon a roadway within Emery County known
as Link Canyon Road #911 (map attached)

for the purpose of drilling the Ferron Federal A-1, Sec. 36-T21S-R5E,
Sevier County, Utah.

Said encroachment is proposed at the following location upon said
roadway: From Emery, UT, take Hwy. 10 approx. 1/2 mile to Link Canyon Road,
proceed NW approx. 2-1/2 miles to drillsite

and is described as Link Canyon Road #911

Applicant proposes work to begin on Dec. 1, 1993 and to be
completed on or before Jan. 31, 1994. A processing fee of \$10
is tendered with this Application. Applicant agrees to comply with
all laws, ordinances and regulations of all governmental agencies,
including, but not limited to Emery County, as well as instructions
of the Emery County Road Department Supervisor or his indicated
representative.

Fees in the amount of \$10.00 and a bond in the amount of
(see attached) be in force for a period of years, are
hereby tendered, or will be tendered before a Permit is issued.

DATED this 17th day of November, 19 93.

D. R. Winchester
(Applicant)

D. R. Winchester, Sr. Staff Drlg. Engr.
Title

Be advised that Anadarko Petroleum Corporation is considered to be the Operator of the FERRON FEDERAL A-1, (SE/SW) Sec. 36-T21S-R5E, Lease No. U-67242, SEVIER COUNTY, UTAH, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. 153571.

(Principal: Anadarko Petroleum Corporation) via surety consent as provided for in 43 CFR 3104.2. (Surety - Seaboard Surety) 43 CFR 3104.2.

This office will hold the aforementioned Operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.



November 17, 1993

Sevier County Road Department
PO Box 517
Richfield, UT 84701

Attn: Galen Rappley

RE: Roadway Encroachment Application
FERRON FEDERAL A-1
Sec. 36-T21S-R5E
Sevier County, UT

Gentlemen:

Attached is the Roadway Encroachment Application requesting a permit to encroach upon a roadway within Sevier County known as Link Canyon Road #911 (map attached).

Our Check No. 14739 in the amount of \$10.00 is attached for the filing fee.

If you have any questions, please contact P. A. (Trish) Hambright at (405) 552-6226.

Very truly yours

ANADARKO PETROLEUM CORPORATION

A handwritten signature in cursive script that reads "D. R. Winchester".

D. R. Winchester
Sr. Staff Drilling Engineer

DRW/pah;
pah-roadwayappl.

Attachments

cc: BLM
Richfield District Office
150 East 900 North
Richfield, UT 84701

Applicant: Anadarko Petroleum Corporation
211 N. Robinson
Address: One Leadership Square, Ste. 1400
Oklahoma City, OK 73102-7115
Phone: (405) 236-2821

ROADWAY ENCROACHMENT APPLICATION

Anadarko Petroleum Corporation (Applicant) hereby applies
for a permit to encroach upon a roadway within Sevier County known
as Link Canyon Road #911 (map attached)

for the purpose of drilling the Ferron Federal A-1, Sec. 36-T21S-R5E
Sevier County, Utah.

Said encroachment is proposed at the following location upon said
roadway: From Emery, UT, take Hwy. 10 approx. 1/2 mile to Link Canyon
Road, proceed NW approx. 2-1/2 miles to drillsite
and is described as Link Canyon Road #911

Applicant proposes work to begin on Dec. 1, 19 93 and to be
completed on or before Jan. 31, 19 94. A processing fee of \$10
is tendered with this Application. Applicant agrees to comply with
all laws, ordinances and regulations of all governmental agencies,
including, but not limited to Emery County, as well as instructions
of the Emery County Road Department Supervisor or his indicated
representative.

Fees in the amount of \$10.00 and a bond in the amount of
(see attached) be in force for a period of years, are
hereby tendered, or will be tendered before a Permit is issued.

DATED this 17th day of November, 19 93.

D. R. Winchester
(Applicant)

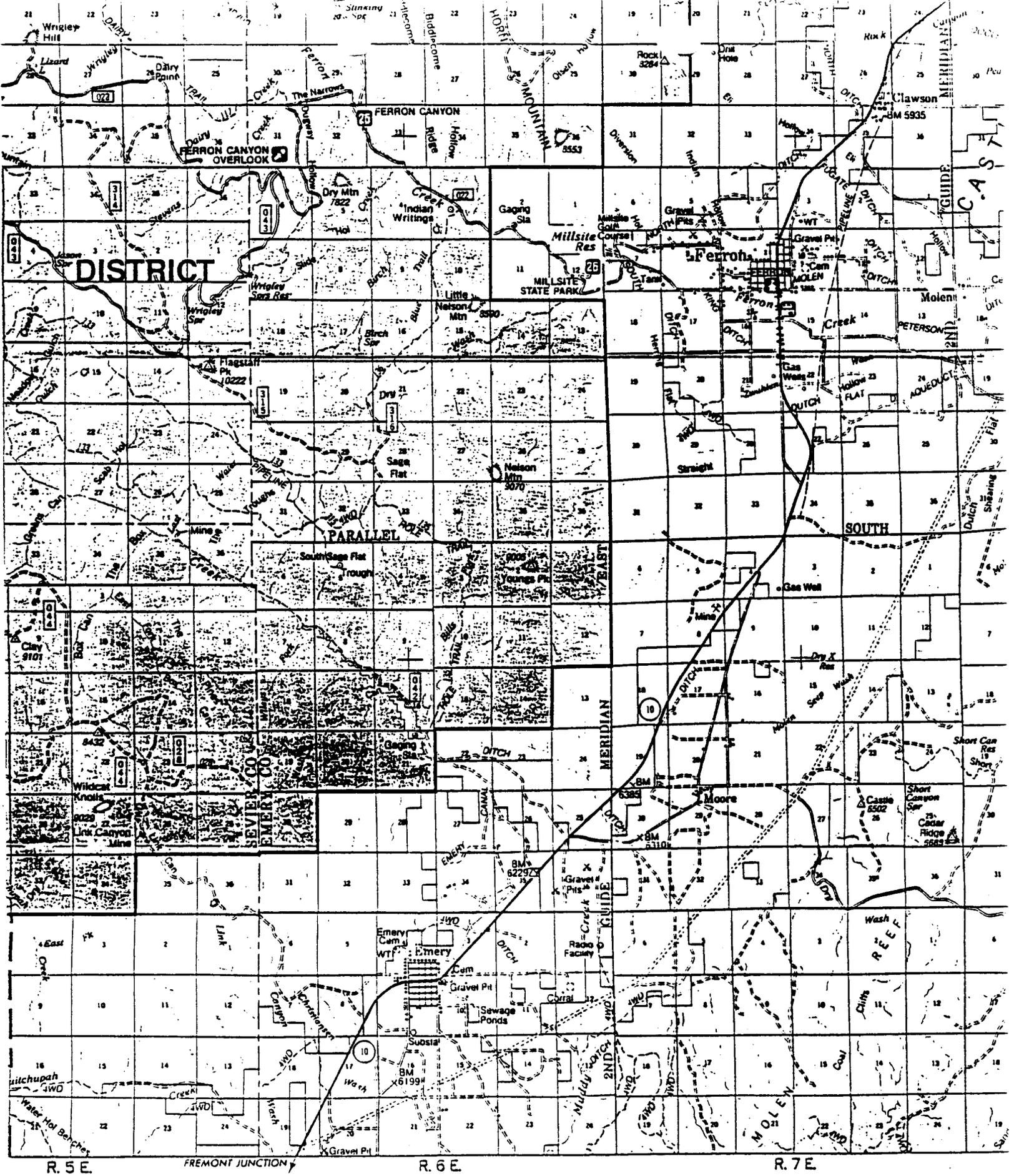
D. R. Winchester, Sr. Staff Drlg. Engr.
Title

Be advised that Anadarko Petroleum Corporation is considered to be the Operator of the FERRON FEDERAL A-1, (SE/SW) Sec. 36-T21S-R5E, Lease No. U-67242, SEVIER COUNTY, UTAH, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. 153571.

(Principal: Anadarko Petroleum Corporation) via surety consent as provided for in 43 CFR 3104.2. (Surety - Seaboard Surety) 43 CFR 3104.2.

This office will hold the aforementioned Operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.



2'30" om Greenwich F 111°15'00" G 111°07'30" H



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 30, 1993

Anadarko Petroleum Corporation
One LSS #1400, 211 North Robinson
Oklahoma City, Oklahoma 73102-7115

Re: Ferron Federal A-1 Well, 959' FSL, 1559' FWL, SE SW, Sec. 36, T. 21 S., R. 5 E.,
Sevier County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-3, Exception to Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. Anadarko Petroleum Corporation, will be required to comply with any applicable recommendations resulting from the review.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after commencing drilling operations.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.



Page 2
Anadarko Petroleum Corporation
Ferron Federal A-1
November 30, 1993

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-041-30027.

Sincerely,



R.J. Finn

Associate Director, Oil and Gas

ldc
Enclosures
cc: Sevier County Assessor
Bureau of Land Management, Richfield Office
WO11



February 15, 1994

State of Utah
Div. of Oil & Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Notification of Well Spud
Ferron Federal "A" #1
Section 36-21S-5E
Sevier County, UT

Gentlemen:

Attached is Entity Action Form 6 (Notification of Well Spud) for the referenced well.

If you have any questions, please contact P. A. (Trish) Hambright at (405) 552-6226.

Very truly yours

ANADARKO PETROLEUM CORPORATION

A handwritten signature in cursive script that reads "D. R. Winchester".

D. R. Winchester
Sr. Staff Drilling Engineer

DRW/pah:eic

Attachment

FEB 22 1994

OPERATOR Anadarko Petroleum Corporation

OPERATOR ACCT. NO. 110035

ADDRESS 211 N. Robinson

One Leadership Square, Ste. 1400

Oklahoma City, OK 73102-7115

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	11614	43-041-30027	Ferron Federal "A" #1	SE/SW	36	21E	5E	Sevier	02-12-94	02-12-94

WELL 1 COMMENTS:

Spud at 0400 hrs on 02-12-94. Tonto Drilling Rig No. 2. *Entity added 2-25-94. jcc*

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

FEB 22 1994

D. R. Winchester
Signature

D. R. Winchester, Sr. Staff Drlg. Engr.

Title Date

Phone No. (405) 552-6223



March 25, 1994

U. S. Dept. of the Interior
Bureau of Land Management
150 East, 900 North
Richfield, Utah 84701

Attention: Michael Jackson

RE: Sundry Notices & Reports on Wells
Ferron Federal "A" No. 1
Section 36-21S-5E
Sevier County, UT

Gentlemen:

Attached in triplicate is Form 3160-5 (Sundry Notices and Reports on Wells) for the referenced well.

If you have any questions, please contact P A. Hambright at (405) 552-6226.

Very truly yours

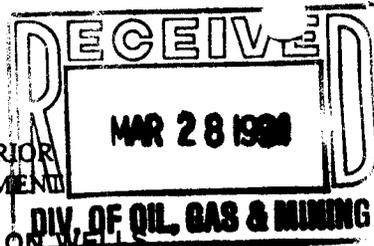
ANADARKO PETROLEUM CORPORATION

D. R. Winchester
Sr. Staff Drilling Engineer

DRW/pah:eic
Attachments

cc: State of Utah
Div. of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other **Coalbed Methane**

2. Name of Operator

Anadarko Petroleum Corporation (405) 236-2821

3. Address and Telephone No.

211 N. Robinson, 1 LSS, Ste. 1400, Okla. City, OK 73102-7115

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

959' FSL & 1559' FWL, Sec. 36-21S-5E (SE/SW)

5. Lease Designation and Serial No.

U-67242

6. If Indian, Allottee or Tribe Name

--

7. If Unit or CA, Agreement Designation

--

8. Well Name and No.

Ferron Federal "A" #1

9. API Well No.

43-041-30027

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Sevier County, UT

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

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

03/17/94: P & A as follows:

- 1) Spot 20 sx plug from 2525-2325'.
- 2) Shot 4 squeeze holes at 384'.
- 3) Set CICR @ 365', pump 2-50 sx cmt plug to establish circulation.
- 4) Spot 25 sx cmt from 384-234'.
- 5) Spot cmt from 50' to surface.
- 6) Weld on cap.

Plugging operations witnessed and approved by Theron Mitchell.

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

Signed

D. R. Winchester

Title

**D. R. Winchester
Sr. Staff Drilling Engr.**

Date

3/25/94

(This space for Federal or State office use)

Approved by _____

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.

*See instruction on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-67242

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FERRON FEDERAL

9. WELL NO.

A-1

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 36-21S-5E

SE/SW

12. COUNTY OR PARISH

SEVIER

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other COAL BED METHANE

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other P & A

2. NAME OF OPERATOR

ANADARKO PETROLEUM CORP.

3. ADDRESS OF OPERATOR

9400 NORTH BROADWAY, OKLAHOMA CITY, OKLAHOMA 73114

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 959' FSL & 1559' FWL, SEC. 36-21S-5E

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-041-30027

DATE ISSUED

15. DATE SPUDDED

02-12-94

16. DATE T.D. REACHED

03-14-94

17. DATE COMPL. (Ready to prod.)

03-17-94

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)*

6260' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3008

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

P & A

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

YES

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	309		TYPE 5 W/2% KCL & 1/4 #	
				SK FLOCELE	
4- 1/2	11.6	2424		N-80	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

P & A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
50' TO SURFACE	WELD ON CAP

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
		P & A					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

Bill A. Savage

SIGNED

Bill A. Savage

TITLE Senior Production Engineer

DATE June 21, 1994

*(See Instructions and Spaces for Additional Data on Reverse Side)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <u>COAL BED METHANE</u>										5. LEASE DESIGNATION AND SERIAL NO. <u>U-67242</u>			
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RENVR. <input checked="" type="checkbox"/> Other <u>P & A</u>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR <u>ANADARKO PETROLEUM CORP.</u>										7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR <u>9400 NORTH BROADWAY, OKLAHOMA CITY, OKLAHOMA 73114</u>										8. FARM OR LEASE NAME <u>FERRON FEDERAL</u>			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>959' FSL & 1559' FWL, SEC. 36-21S-5E</u> At top prod. interval reported below At total depth										9. WELL NO. <u>A-1</u>			
14. PERMIT NO. <u>43-041-30027</u> DATE ISSUED										10. FIELD AND POOL, OR WILDCAT <u>WILDCAT</u>			
15. DATE SPUDDED <u>02-12-94</u> 16. DATE T.D. REACHED <u>03-14-94</u> 17. DATE COMPL. (Ready to prod.) <u>03-17-94</u> 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>KB: 6934'</u> 19. ELEV. CASINGHEAD										11. SEC. T., R., M., ON BLOCK AND SURVEY OR AREA <u>SEC. 36-21S-5E</u>			
20. TOTAL DEPTH, MD & TVD <u>3008</u> 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS										12. COUNTY OR PARISH <u>SEVIER</u> 13. STATE <u>UTAH</u>			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>P & A</u>										25. WAS DIRECTIONAL SURVEY MADE			
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>DD3; DSN; FE; MRES</u>										27. WAS WELL CORED <u>YES</u>			
28. CASING RECORD (Report all strings set in well)													
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED			
8-5/8		24		309				TYPE 5 W/2% KCL & 1/4 #					
4- 1/2		11.6		2424				SK FLOCELE					
								N-80					
29. LINER RECORD										30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		DEPTH SET (MD)	PACKER SET (MD)		
31. PERFORATION RECORD (Interval, size and number) <u>P & A</u>										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
					DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED						
					50' TO SURFACE		WELD ON CAP						
33. PRODUCTION													
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in) <u>P & A</u>						
DATE OF TEST		HOURS TESTED		CHOKES SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY			
35. LIST OF ATTACHMENTS <u>OPEN HOLE LOGS; SAMPLE LOG</u>													
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records <u>Bill A. Savage</u> SIGNED <u>Bill A. Savage</u> TITLE <u>Senior Production Engineer</u> DATE <u>June 21, 1994</u>													

*(See Instructions and Spaces for Additional Data on Reverse Side)

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
FERRON CORED	2538 2496	2993 3008	SANDSTONE; SILTSTONE; SHALE; COAL SEE ATTACHED LOGS FOR MORE DETAILED DESCRIPTION: 	BLUEGATE FERRON TUNUNK	1150 2538 2993	1150 2538 2993

38. GEOLOGIC MARKERS

BLM Richtfield	INIT	ACT	INFO
DM			
ADM			

JUL 11 1994

SUP. SERV			
PRO			
SRR/MRA			
HYDRA/ESA			



August 30, 1994

State of Utah
355 West North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203
Attn: Vicky Carney

RE: Ferron Federal A-1
API No. 43-041-30027

Dear Ms. Carney,

Per your request, enclosed are copies of the logs ran on the Ferron Federal A-1.

If I can be of further assistance, please call me at (405)475-7049.

Very truly yours,

Anadarko Petroleum Corporation

A handwritten signature in cursive script that reads "Candy M. Driscoll".

Candy M. Driscoll
Technical Assistant

WAS/CMD/cdp
ferrona1.uth

cc: WF/RF/TF

Enclosures: DD3, DSN, FE, MRES

