

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

U-24401

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Fish Creek Federal

2. Name of Operator

Patrick Petroleum Corp.; LeClair-Westwood, Inc. - Agent

9. Well No.

#1-A

3. Address of Operator

388 Denver Club Bldg. Denver, Colorado 80202

10. Field and Pool, or Wildcat

Wildcat

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 1820' FWL and 820' FSL, Sec. 11, T39S - R20E

11. Sec., T., R., M., or Blk. and Survey or Area

At proposed prod. zone SE SW Sec. 11, T39S - R20E

Sec. 11, T39S-R20E

14. Distance in miles and direction from nearest town or post office*

18 miles NW of Bluff, Utah

12. County or Parrish 13. State

San Juan Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

820'

16. No. of acres in lease

17. No. of acres assigned to this well

40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

none

19. Proposed depth

2315'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

4834' GR

22. Approx. date work will start*

Upon approval of APD

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4	8-5/8"	24#	300'	150 sx - suffic. to circ.
7-7/8"	4-1/2"	11.6#	2315'	200 sx - suffic. to cover zones of interest.

We propose to drill a well to 2315' to test the L. Ismay and Desert Creek Formations. If productive, we will run 4-1/2" casing and complete. If dry, we will plug and abandon as per U.S.G.S. and State of Utah regulations.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 9-2-81

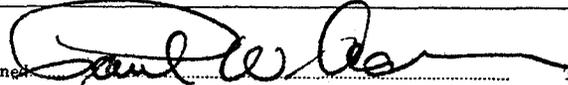
BY: M.G. Minder

RECEIVED

AUG 17 1981

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.  Paul Adam
Signature: _____ Title: Division Engineer Date: 8/6/81

(This space for Federal or State office use)

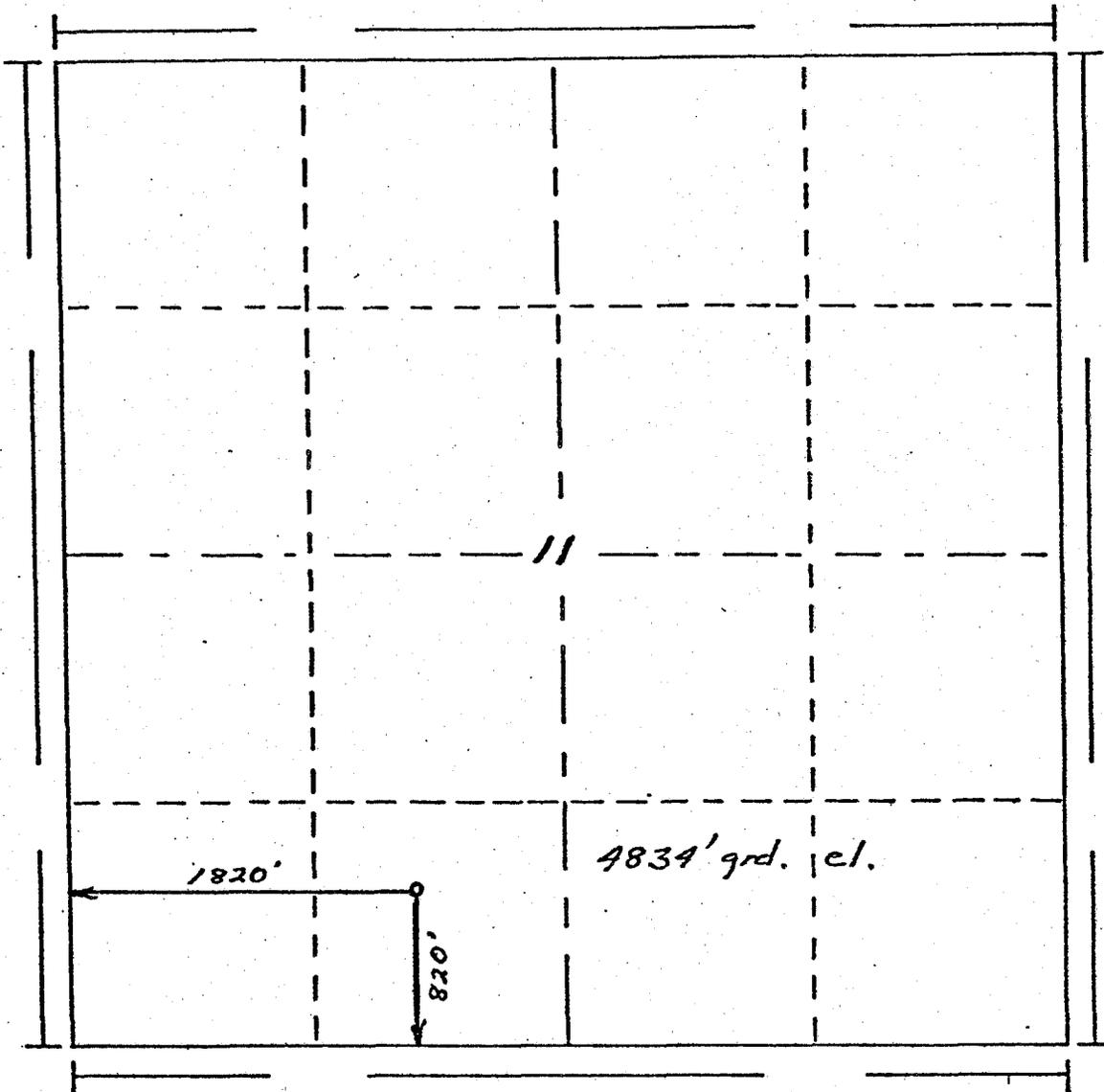
Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



N

R. 20 E.



T. 39 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from *Lisa Green*
 for *Patrick Petroleum*
 determined the location of # 1A Fish Creek Federal
 to be 820' FSL & 1820' FWL Section 11 Township 39 South
 Range 20 East Salt Lake Meridian
 San Juan County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

Date: 23 July 1981

T Nelson
 Licensed Land Surveyor No. 2711
 State of Utah

TEN POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Patrick Petroleum Corp.
FISH CREEK FEDERAL #1-A
1820' FWL and 820' FSL
Sec. 11, T39S - R20E
San Juan County, Utah

1. The outcropping geologic formation is the Cutler.
2. The estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Hermosa	1013'	+3836'
U. Ismay	1909'	+2940'
L. Ismay	2008'	+2841'
Gothic	2077'	+2772'
T. Desert Creek	2143'	+2706'
B. Desert Creek	2265'	+2584'
T.D. in Akah	2315'	+2534'

3. The following depths are estimated for oil and gas bearing zones.

<u>Substances</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	L. Ismay	2008'
Oil	Desert Creek	2143'

4. a. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Surface	0-300'	12-1/4	8-5/8	24#	K-55	ST & C (new)
Production	0-2315'	7-7/8	4-1/2	11.6#	K-55	ST & C (new)

- b. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-300'	150 sx class "G" w/2% CaCl ₂ - or sufficient to circulate
<u>Production</u>	<u>Type and Amount</u>
0-2315'	200 sx 50/50 pozmix w/2% gel, 10% salt, .75% CFR-II or sufficient to cover zones of interest.

5. Blowout preventer stack will consist of a 10" Series 900 BOP. See BOP Diagram. Testing procedures: Equipment will be tested prior to drilling out from under surface and operational checks will be made daily thereafter.
6. Drilling fluid will be as follows:

<u>Depth - Interval</u>	<u>Mud Type</u>
0-250'	Spud Mud - Gel Lime
250-2315'	Low Solids, Non-Dispersed
<u>Mud Wt.</u>	<u>Fluid Loss</u>
8.7-8.9	8-15
<u>Viscosity</u>	<u>PH</u>
33-50	9.0 - 9.5

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7. Auxiliary equipment to be used is as follows:

- a. Kelly Cock
- b. Float above the bit
- c. Monitoring of the system will be done visually.
- d. A sub with a full opening valve will be on the floor when the kelly is not in use.

8. Testing, logging and coring will be as follows:

- a. One core will be obtained in the L. Ismay from 2010' to 2070'.
- b. Drill stem tests will be run as follows:

<u>Formation</u>	<u>Depth</u>
L. Ismay	2000-2030'
L. Ismay	2030-2080'
Desert Creek	2200-2270'

- c. The logging program will consist of a GR-Sonic, Dual Induction, and CNL-FDC-GR from base of surface casing to T.D.
- d. Stimulation will be determined after the evaluation of the logs and any testing that is done. If treatment is needed a sundry notice will be submitted.

9. No abnormal pressures or hydrogen sulfide gas are anticipated during the course of drilling to T.D. The maximum bottom hole pressure to be expected is 1000 psi.

10. Patrick Petroleum Corp. plans to spud the Fish Creel Federal #1-A upon approval of the A.P.D. and intends to complete the well within approximately one month after the well has reached T.D.

MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Patrick Petroleum Corp.
FISH CREEK FEDERAL #1-A
1820' FWL & 820' FSL
Sec. 11, T39S-R20E
San Juan County, Colorado

Gentlemen:

We submit the following application and plats for permission to drill the Fish Creek Federal #1-A.

1. Existing Roads

a. The proposed well site and elevation plat is shown on Plat #1.

b. Directions from the nearest town to location are as follows:

From Bluff, Utah go West on Hyway 163 approximately 8.4 miles to Comb Wash Road. Go North on Comb Wash Road 6.8 miles. Turn East and go .7 miles. Cross Comb Wash and continue on existing gravel road for 1.5 miles. Turn right on new access and continue .6 miles to location.

c. All existing roads within a 3 mile radius are shown on Map #1.

d. There are no development wells within a 1 mile radius.

e. Improvement to existing access will be limited to a total disturbed width of 20 feet. New construction will be limited to a total disturbed width of 20 feet. Road surface will be flat bladed to remove brush, no ditching or culverts will be installed.

2. Planned Access Roads

a. There will be approximately 3000' of new access road. It will be 20' wide.

b. Maximum grade is 8%. Average grade is 4% or less.

c. No turnouts are planned.

d. There will be no ditching. Water bars will be constructed as directed by the Bureau of Land Management to control erosion.

e. There will be no culverts.

f. Only native materials will be used for construction of all roads.

Multi-Point Requirements
Patrick Petroleum Corp.
FISH CREEK FEDERAL #1-A
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Sec. 11, T39S-R20E
San Juan County, Colorado

- g. No gates, cattleguards or fence cuts will be necessary.
- h. The last 6/10 mile will be new access. It will be 20' wide with no grade to exceed 4%.

3. Location of Existing Wells (See Map #2)

- a. There are no known water wells within a 2 mile radius of the proposed well.
- b. There are 3 known abandoned wells within a 2 mile radius of the proposed well.
- c. There are no known temporarily abandoned wells within a 2 mile radius of the proposed well.
- d. There are no known disposal wells within a 2 mile radius of the proposed well.
- e. There are no known drilling wells within a 2 mile radius of the proposed well.
- f. There are no known producing wells within a 2 mile radius of the proposed well.
- g. There are no known shut in wells within a 2 mile radius of the proposed well.
- h. There are no known injection wells within a 2 mile radius of the proposed well.

4. Location of Existing and/or Proposed Facilities

- a. There are no existing production facilities or gas gathering lines owned or controlled by Patrick Petroleum within a 1 mile radius of the proposed well.
- b. New facilities contemplated in the event of production are shown on Diagram #1.
 - 1. Proposed tank battery will be located as shown on Diagram #1. All above ground facilities will be painted a neutral color to be approved by the Bureau of Land Management.

Multi-Point Requirements
Patrick Petroleum Corp.
FISH CREEK FEDERAL #1-A
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2. All flow lines from well site to battery site will be buried below frost line depth.
3. Dimensions of the facilities will be 300' long and 195' wide. (See Diagram #1).
4. Only native materials will be utilized.
5. An earthen dike utilizing soil in the area surrounding the storage tank and separator will be constructed to contain oil should a leak occur. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
6. The reserve pit will be fenced and allowed to dry. Then all pits will be backfilled. The location not needed for production will be leveled, contoured and reseeded as per Bureau of Land Management. See requirements in 10-b.
7. The access shall be upgraded to the following specifications: It shall be 20' wide, crowned and ditched. Culverts will be installed as deemed necessary by the Bureau of Land Management.

5. Location and Type of Water Supply

- a. The sources of water will be Comb Wash and Fish Creek. Holding ponds will be dug in the bottoms of the creeks in order to catch the water.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.

6. Source of Construction Materials

- a. Only native materials are to be utilized.
- b. No construction materials will be taken off Federal land.
- c. Surface and sub soil materials in the immediate area will be utilized.
- d. All major access roads are shown on Map #1.

7. Methods for Handling Waste Disposal

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. Drilling fluids are to be contained in the reserve pit.
- c. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- d. A chemical porta-toilet will be furnished with the drilling rig.
- e. A trash pit will be constructed near the mud tank with steep sides and dug as deep as possible into solid undisturbed material. Trash will not be disposed of in the reserve pit. Garbage and nonflammable waste are to be contained in the trash pit. Flammable waste is to be contained in the burn pit. The trash is to be burned periodically and the remains buried when the well is completed. The trash and/or burn pit will be totally enclosed with small mesh wire to prevent wind scattering and wildlife entry. The reserve pit will be fenced on three sides with four strands barbed wire before drilling begins and the fourth side being fenced prior to the removal of the rig. The fence will be kept in good repair while the pit is drying. A burning permit will be obtained from the State Fire Warden before burning trash.
- f. All trash, garbage, etc. is to be gathered and buried at the end of drilling operations and covered with a minimum of three feet of earth. Immediately on completion of drilling the location and surrounding area will be cleared of all debris resulting from the operation. Non-burnable debris will be hauled to a local town dump. Reserve and mud pits will be allowed to dry after drilling is completed and then adequately filled and leveled. All garbage and sewage pits will be filled as soon as the rig leaves the location.

8. Ancillary Facilities

- a. There are no airstrips, camps or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for Well Pad Layout. See Diagram #3 for cross section of drill pad with cuts and fills.

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- b. Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil stockpiles will be shown on Diagram #4. The location will be laid out and constructed as discussed during the pre-drill conference.
- c. The reserve pit will be lined with plastic on the down hill side of key way and the remainder of the pit will be lined with commercial Bentonite to prevent seepage.

10. Plans for Restoration of Surface

- a. The reserve pit will be fenced until dry. Pits will be backfilled, leveled, contoured and reseeded as per Bureau Land Management requirements.
- b. All disturbed areas will be scarified with the contour to a depth of 4-6 inches.
Seed will be broadcast and then harrowed (to get seed cover) during the spring months with the following seed prescription:
 - 2 lbs./acre Indian ricegrass
 - 1 lb./acre Fourwing saltbush
 - 1 lb./acre Sand dropseed
 - 1 lb./acre Bitterbrush
- c. The reserve pit will be fenced on three sides with the fourth side being fenced prior to rig release. The fence will remain until restoration of the surface begins.
- d. If there is oil in the pit, it will be removed or the pit will be flagged overhead or covered with wire mesh as required.
- e. Rehabilitation operations will begin immediately after the drilling rig is removed. The trash and/or burn pits will be covered, produced fluids will be removed or flagged overhead and fenced immediately. Reseeding and revegetation operations will commence in the Spring of 1982 unless requested otherwise.
- f. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah (801-587-2201) 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

Multi-Point Requirements
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- g. Before any dirtwork to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed to the trash pit. The trash pit will not be filled in until recontouring work begins and will remain fenced until that time.
- h. All newly disturbed areas will be recontoured to blend as nearly as practical with the natural topography.
- i. The top 6-8 inches of topsoil will be stockpiled on the uphill side of the location. The Stockpile topsoil will be evenly distributed over the disturbed area.
- j. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in methods described above. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. Other Information

- a. The location is in a ~~dune~~ depositional area in the alluvial flats beside Comb Wash. The soil is red/brown eolian sands. Dominant plants in this area are Russian thistle, four-wing saltbush, prickly pear cactus, greasewood and mormon tea.
- b. Surface in the area may be used for cattle grazing, however, none were in the area at the time of the pre-drill inspection.
- c. The nearest water is 0.6 miles to the Southwest to Fish Creek.
- d. The nearest occupied dwelling is approximately 2.5 miles southeast of the proposed location. For archeological, cultural or historic findings, see archeological report attached.
- e. Drilling is planned for September 15, 1981. It is anticipated that casing point will be reached within 10 days after the commencement of drilling.
- f. The operator or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801/587-2201) 48 hours prior to beginning any work on public land.
- g. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archeological sites or picking up artifacts.
- h. The San Juan County Road Department in Monticello, Utah will be contacted prior to use of county roads. (Mr. Dick Traister - 801/587-2249).

Multi-point Requirements

Patrick Petroleum Corp.
FISH CREEK FEDERAL #1-A
1820' FWL and 820' FSL
Sec. 11, T39S - R20E
San Juan County, Colorado

11. Other Information (cont.)

- i. The operator will notify the San Juan Resource Area BLM Office in Monticello, Utah (801/587-2201) if the well is determined a producer.

12. Lessee's or Operator's Representative

Lisa Green will be Patrick Petroleum Corporation's representative. Miss Green can be reached by telephone in Denver, Colorado at her office (303/825-4258).

13. 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 presently 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 Patrick Petroleum Corp. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

8/14/81

Date



Lisa L. Green - Para-Engineer for LeClair-
Westwood, Inc. - Agent for Patrick Petroleum
Corporation.

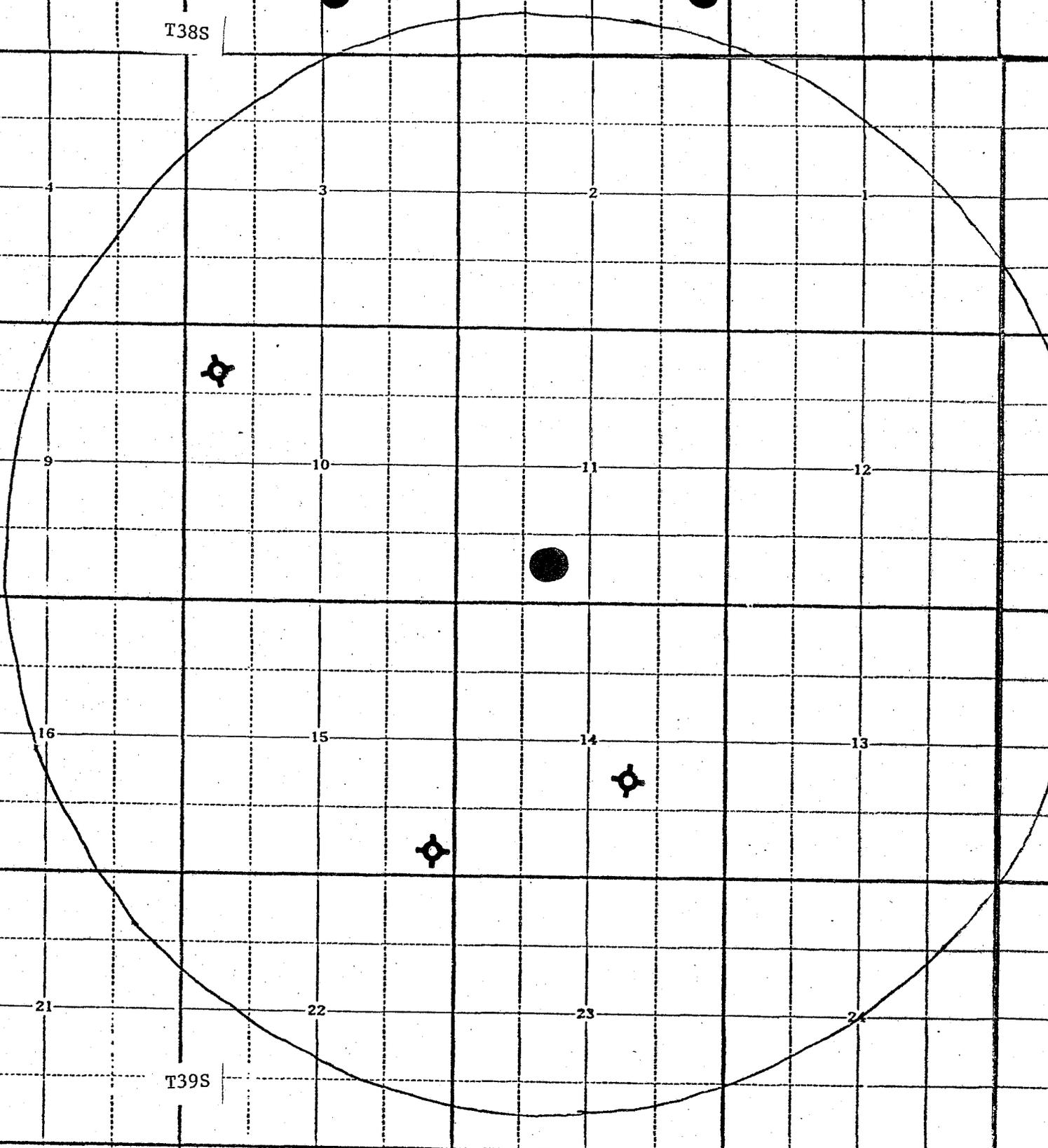
LeCLAIR
WESTWOOD
INC.

R20E

R21E

T38S

T39S



MAP #2

PATRICK PETROLEUM CORPORATION
 FISH CREEK FEDERAL #1-A
 820' FSL and 1820' FWL
 Sec. 11, T39S - R20E
 San Juan County, Utah

-  Proposed Location
-  Abandoned Locations

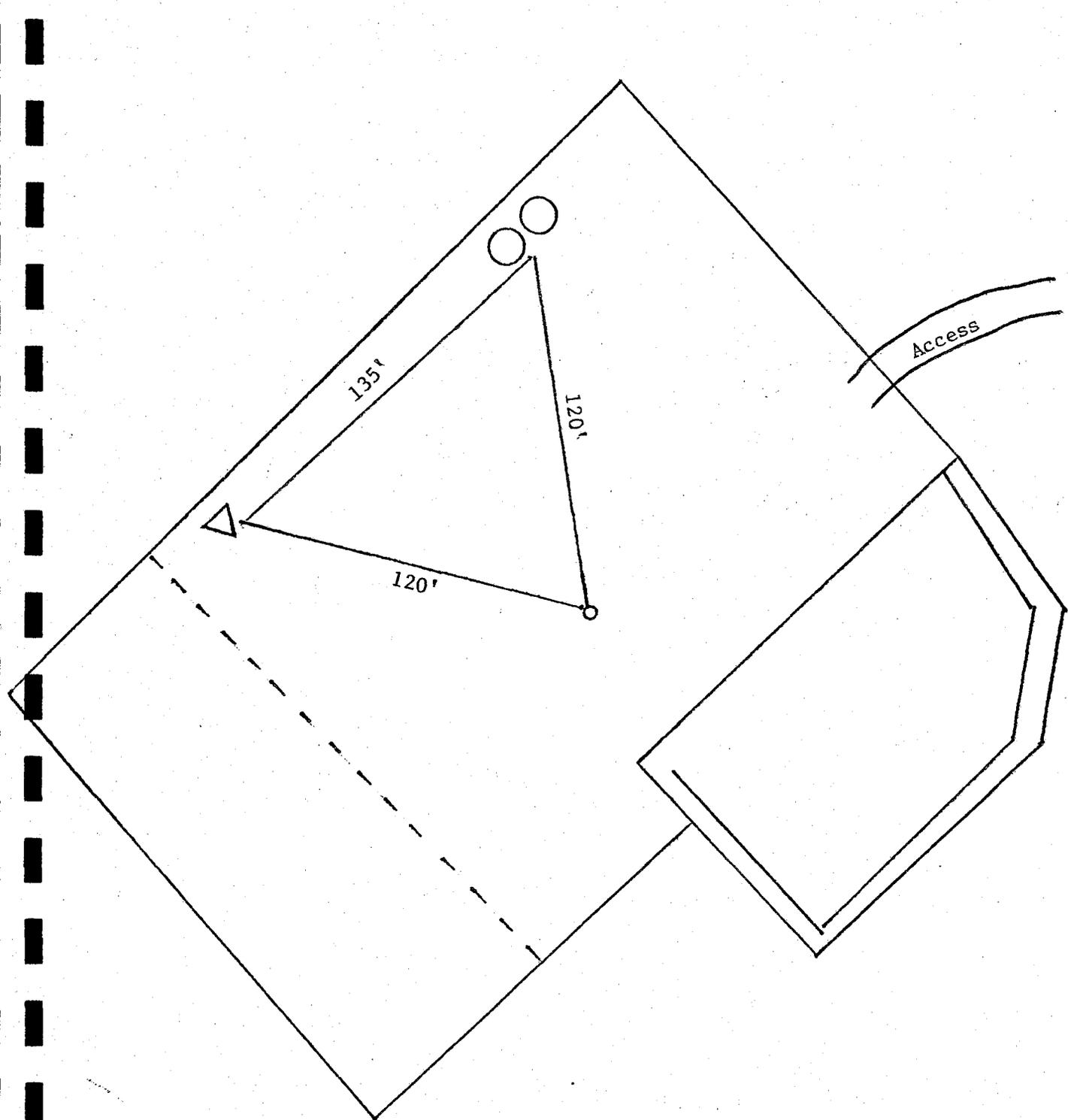


DIAGRAM #1

PATRICK PETROLEUM CORPORATION
FISH CREEK FEDERAL #1-A
820' FSL and 1820' FWL
Sec. 11, T39S - R20E
SAN JUAN COUNTY, UTAH



POWERS ELEVATION

Scales: 1" = 50' H
5 contour
□ reference stake

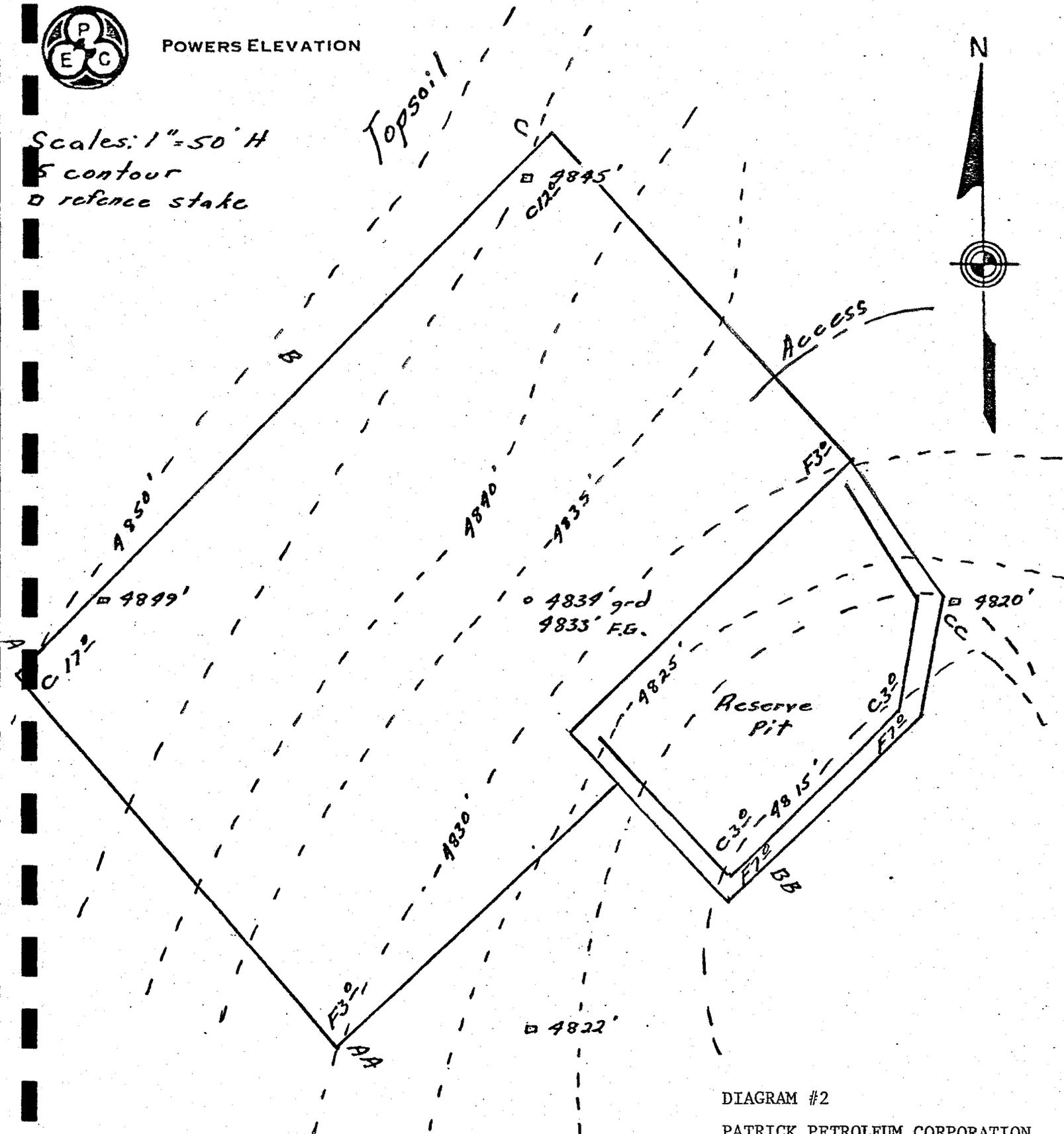


DIAGRAM #2

PATRICK PETROLEUM CORPORATION
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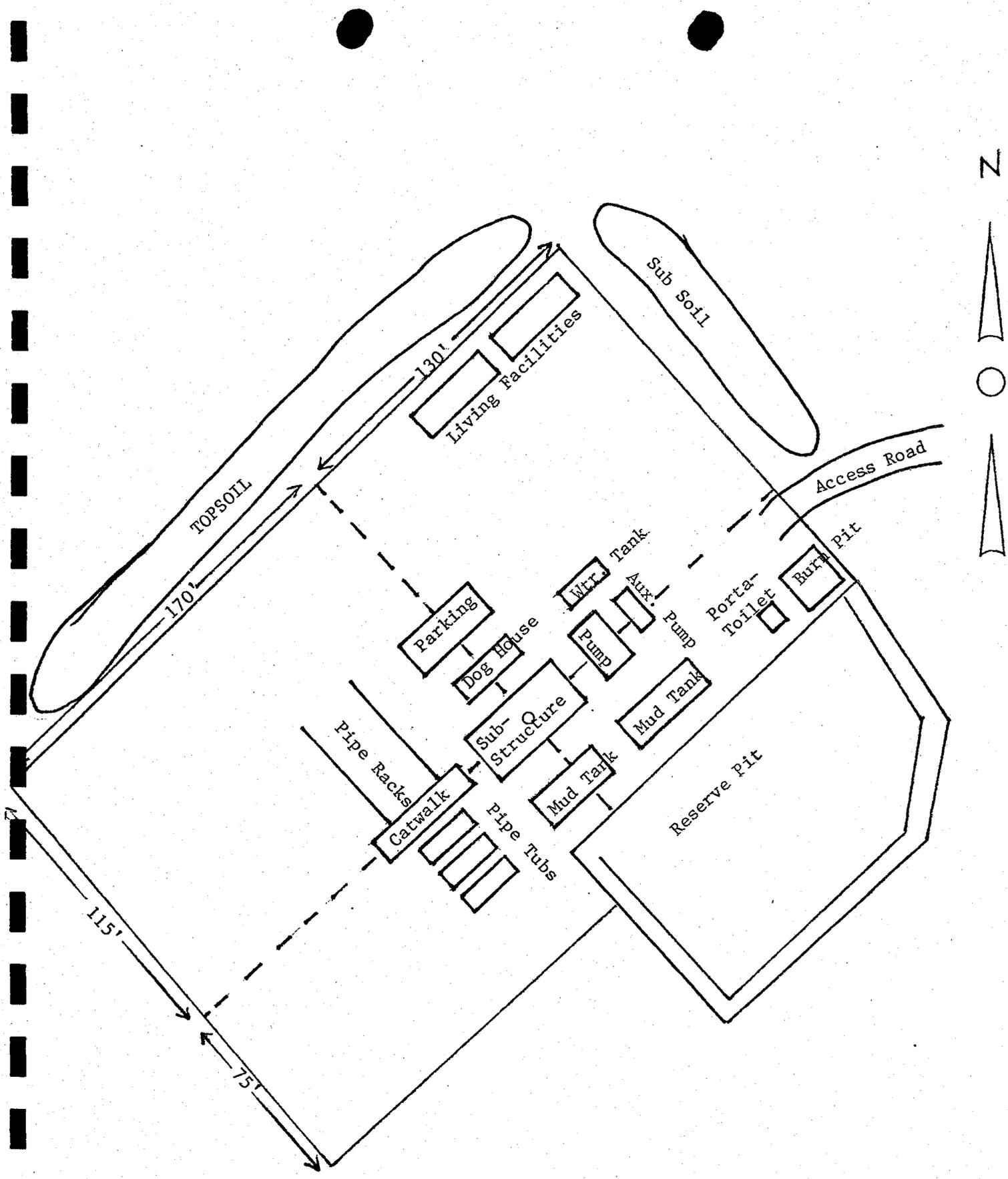


DIAGRAM #4
 PATRICK PETROLEUM CORPORATION
 FISH CREEK FEDERAL #1-A
 820' FSL and 1820' FWL
 Sec. 11, T39S - R20E
 San Juan County, Utah

STATE OF UTAH
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DIVISION OF OIL, GAS, AND MINING

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22. Approx. date work will start*

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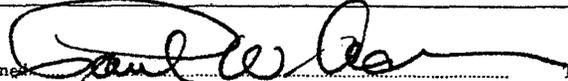
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24.  Paul Adam
Signed: _____ Title: Division Engineer Date: 8/6/81

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

NTL-6 PROGRAM

APPROVAL OF OPERATIONS

FISH CREEK FEDERAL #1-A
1820' FWL and 820' FSL
SEC. 11, T39S - R20E
SAN JUAN COUNTY, COLORADO

Prepared For:

PATRICK PETROLEUM CORP.

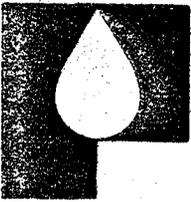
By:

LeCLAIR-WESTWOOD, INC.
388 Denver Club Building
Denver, Colorado 80202

Copies sent to:

- 3 - U.S.G.S. - Durango, Colorado
- 1 - B.L.M. - Monticello, Utah
- ✓ 1 - Utah Oil & Gas Commission - Salt Lake City, Utah
- 1 - Perry McDonald Construction - Cortez, Colorado
- 1 - Bayless Drilling Co. - Farmington, New Mexico
- 2 - Patrick Petroleum Corp. - Denver, Colorado
- 3 - LeClair-Westwood, Inc. - Denver, Colorado

LeCLAIR
WESTWOOD
INC.



Patrick Petroleum Company

Suite 1655, Colorado National Bank Building
950 Seventeenth Street
Denver, Colorado 80202

Area Code 303
Telephone 573-1207

HOME OFFICE
JACKSON, MICHIGAN

DIVISION OFFICES

BILLINGS, MONTANA
BLOOMFIELD HILLS, MICHIGAN
DENVER, COLORADO
HOUSTON, TEXAS
JACKSON, MISSISSIPPI
LAFAYETTE, LOUISIANA
MIDLAND, TEXAS
NEW YORK, NEW YORK
OKLAHOMA CITY, OKLAHOMA
PITTSBURGH, PENNSYLVANIA
WICHITA, KANSAS

REC-1
JUL 28 1981
LeClair-Westwood, Inc.

July 27, 1981

U.S. Geological Survey
P.O. Box 1809
Durango, CO 81301
Attn: Donald Englishman

Dear Sir:

Patrick Petroleum Corporation of Michigan has authorized LeClair-Westwood, Inc. Denver, Colo. as agent to Patrick NTL-6's for oil and gas exploration purposes.

Very Truly Yours,

Paul W. Adam
Division Engineer

PWA:nas

Cultural Resource Management Report

Fish Creek Federal #1

Lead Field Investigator

Fred P. Frampton

Principal Investigator

Bruce E. Rippeteau, Ph.D.
and Marcia J. Tate

Date August 13, 1981 For

Patrick Petroleum



POWERS ELEVATION

CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY ST., DENVER, COLORADO 80222
(303) 321-2217

Archæology Division



A DIVISION OF PETROLEUM INFORMATION CORPORATION/A SUBSIDIARY OF A.C. NIELSEN COMPANY

Department of the Interior
Bureau of Land Management
Utah State Office

BLM Report ID 1 4 10

Report Acceptable Yes No

Mitigation Acceptable Yes No

Comments: _____

Summary Report of
Inspection for Cultural Resources

Report Title Fish Creek Federal #1

Development Company Patrick Petroleum

Report Date 07 1981

4. Antiquities Permit No. 81-70-UT

Responsible Institution Powers Elevations County San Juan

Fieldwork Location: TWN 39S Range 20E Section(s) 70 71 72 73 74 75 76 77
TWN 78 81 Range 82 85 Section(s) 86 87 88 89 90 91 92 93
Resource Area SJ TWN 94 97 Range 98 101 Section(s) 102 103 104 105 106 107 108 109

PO=PONY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS
BC=BOOK CLIFFS, HR=HOUSE RANGE, SE=SEVIER RIVER
HM=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE
KA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND
SR=SAN RAFAEL, DM=DIAMOND MOUNTAIN

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:
V=Vernal Meridian
H=Half Township

Description of Examination Procedures: The Patrick Petroleum, Fish Creek Federal #1 field survey was performed to comply with Federal and State legislation, and to address problems of cultural resource management. In order to address the central problems and interests of cultural resource management, it is necessary to ascertain the locations, and to identify, describe, and evaluate these cultural resources wherever possible. To comply with these requirements a cultural resource survey was conducted (See Continuation Sheet.)

9. Linear Miles Surveyed and/or 112 117
Definable Acres Surveyed and/or 217.4 123
* Legally Undefinable Acres Surveyed 124 129

10. Inventory Type T
R= Reconnaissance
I= Intensive
S= Statistical Sample

11. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0
A few isolated flakes (isolated artifact #1) were recorded a few meters north of the access road on the east side of Comb Wash. No sites=0 131 135

13. Collection: N Y=Yes, N=No 136

14. Actual/Potential National Register Properties Affected:
The isolated flakes recorded are not considered eligible for nomination to the National Register of Historic Places due to the absence of cultural depth and absence of diagnostic artifacts. The latest listings of the National Register of Historic Places (See Continuation.)

15. Conclusion/Recommendations:
The isolated flakes found along the road east of Comb Wash will not be disturbed by this project. We recommend that construction of the Patrick Petroleum, Fish Creek Federal #1 well pad and access routes be allowed to proceed as scheduled. However, should buried or obscured cultural resources be encountered during construction, work should immediately cease and the Manager of the San Juan Resource be promptly notified.

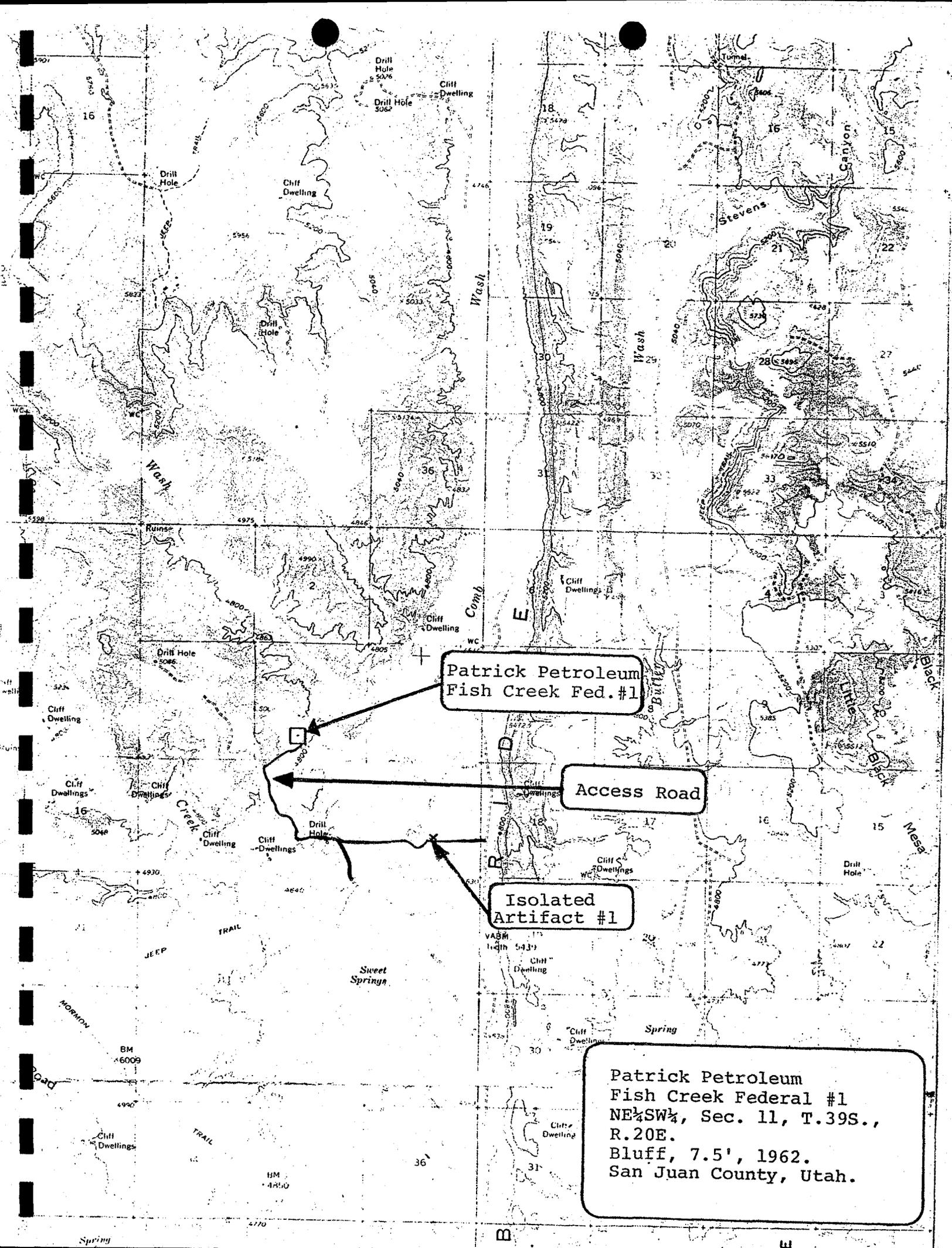
16. Signature and Title of Institutional Officer Responsible Marcia J. Tate
Principal Investigator/Date

Include only requested information in numbered spaces.

* For extra locationals use additional 8100-3 forms.

Patrick Petroleum
Fish Creek Federal #1
Continuation Sheet

8. DESCRIPTION OF EXAMINATION PROCEDURES: by walking the ten acre tract, which surrounds and includes the proposed well pad in a series of systematic, north/south, parallel transects, 15 meters apart. The 13,300 foot access road was surveyed within a 100 foot right-of-way corridor.
14. ACTUAL/POTENTIAL NATIONAL REGISTER PROPERTIES AFFECTED: have been consulted and there are no sites on or eligible to the National Register in the immediate area.



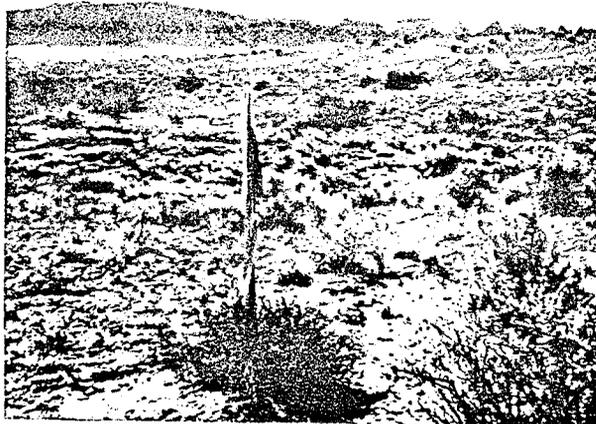
Patrick Petroleum
Fish Creek Fed. #1

Access Road

Isolated
Artifact #1

Patrick Petroleum
Fish Creek Federal #1
NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 11, T.39S.,
R.20E.
Bluff, 7.5', 1962.
San Juan County, Utah.

Patrick Petroleum
Fish Creek Federal #1
NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 11, T.39S., R.20E.
San Juan County, Utah.



Looking southeast



HERITAGE DIVISION
CULTURAL RESOURCE RECORD

- SITE
 ISOLATED FIND

POWERS ELEVATION

PROJECT IDENTIFICATION

1. Site Name _____ Field No. IF #1 _____ Site No. _____
Project Name Patrick Petroleum, Fish Creek Federal 1A
Landowner Status BLM Moab District, San Juan Resource Area
Federal (Specify Agency) BLM State _____ County _____ Indian _____ Private _____
2. Recorded by Fred P. Frampton Date 7/23/81 Permit No 81-UT-170

LOCATION

3. State Utah County San Juan
_____ ft. F L, _____ ft. F L; $\frac{1}{4}$ $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec 13, T 39 S, R 20 E
UTM Zone 12 Easting 6/1/8/1/7/5/ Northing 4/1/3/9/1/0/0/ PM _____
Quad Name & Series _____ 7.5' 15' Year _____
4. ACCESS: foot car 4-wheel drive; fencing (?) signs (?)
Directions to Site (include nearest roads, community, direction, etc.): _____
The isolated find is located two to three meters north of an east/west road which crosses Comb Wash, approximately 100 meters east of Comb Wash on top of a low stabilized dune ridge.

ARTIFACT ASSEMBLAGE

5. Artifact Description (include material, lithic, ceramic, structures, bone, etc., dimensions, morphology, diagnostic or not, inferred function, etc.): _____
Three flakes - all red chert interior flakes, probably from the same core.
6. Cultural Affiliation unknown Time Period unknown
7. Surface Collection yes no (if yes, attach list); Methodology _____
8. Artifacts permanent repository _____
9. Artifact drawings made? yes no (if yes, attach list).
10. Photo? yes no _____ file location.

ATTACH A PHOTOCOPY OF USGS QUAD MAP, SHOWING SITE OR ISOLATED FIND CLEARLY.

** Write in narrative form, using complete grammatical sentences.

ENVIRONMENTAL DATA

11. Description of Physiography (include bedrock and local outcrops):
 The location is in a dune depositional area in the alluvial flats beside Comb Wash.

12.

PRIMARY LANDFORM		DEPOSITIONAL ENVIRONMENT																
		Mountains	arroyo, wash etc.	cliff	outcrop	cave/shelter	fan/delta	alluvial/ colluvial plain	talus	moraine	mound	stream terrace	stream bed	flood plain	playa	marsh	shore/beach	island
Hill																		
Plain																		
X Valley																		
Canyon																		
TOPOGRAPHIC LOCATION		X	top/crest/peak				foot/bottom/base				rim							
			edge				saddle/pass				cutbank							
			slope/side				bench/ledge											

13. Soil Type (include color, texture, depth, etc.):
 Red/brown eolian sands

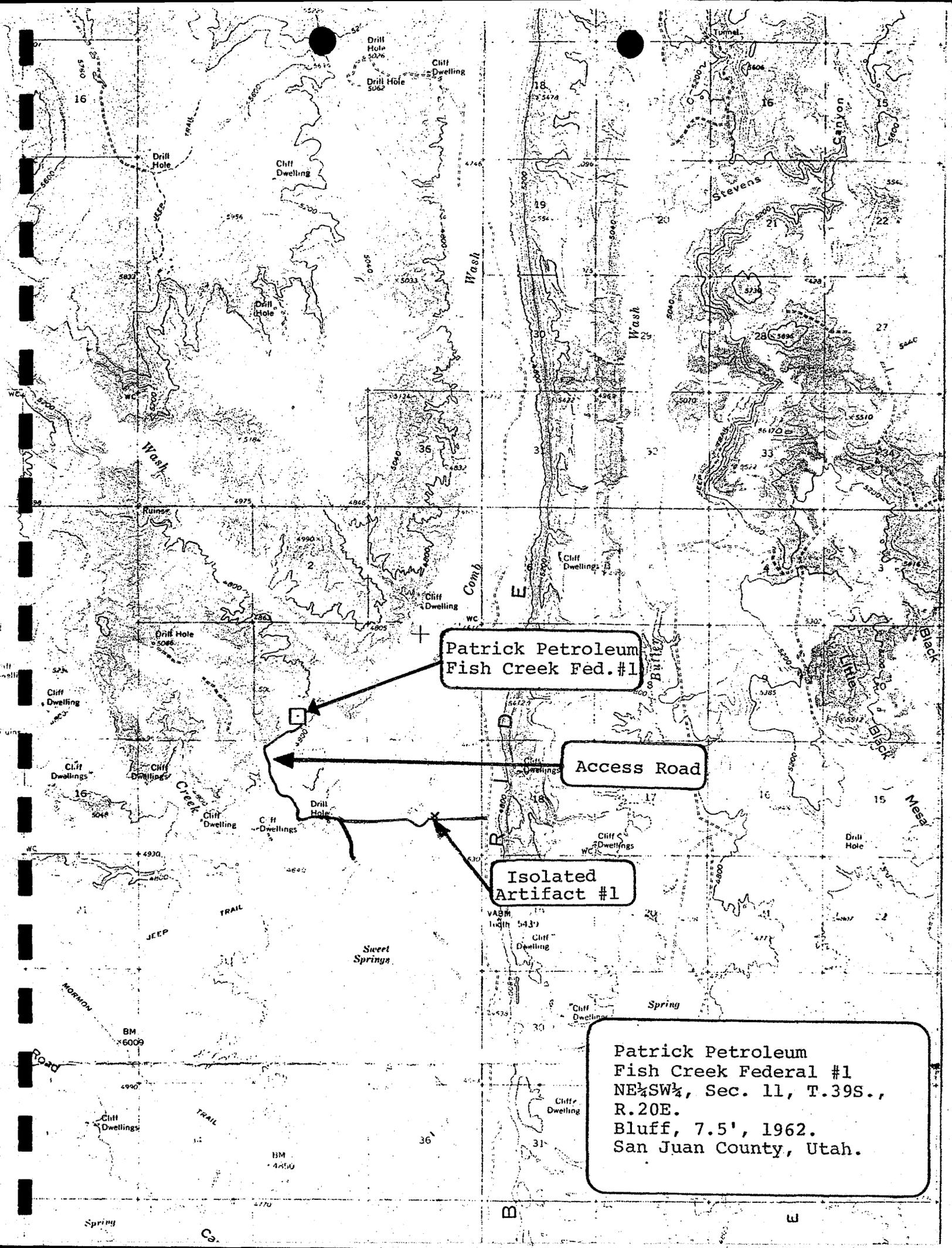
14. Vegetation (general type in area; life zones, community, habitat, etc.):
 Dominant plants in this area are Russian thistle, four-wing saltbush, prickly pear cactus, greasewood and mormon tea.

15. Water: Direction to: southwest Distance to permanent water: 0.6 mile
 Type/Name Fish Creek
 Distance to nearest other water: 100 meters - Comb Wash

16. Contemporary fauna: livestock
 observed _____ tracks x spore _____ call _____

17. Ground visibility: 90 %.

18. Elevation: 4580 feet 1396 meters (ft. x .3048).



Patrick Petroleum
Fish Creek Fed.#1

Access Road

Isolated
Artifact #1

Patrick Petroleum
Fish Creek Federal #1
NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 11, T.39S.,
R.20E.
Bluff, 7.5', 1962.
San Juan County, Utah.

WELL PROGNOSIS

Prospect Name: Fish Creek
Well Name & No.: PPC #1-11 Fish Creek
Location: T39S R20E Sec. 11, SESW
County & State: _____

Elevation: _____
Projected TD: 2250'
Prime Objective: Lower Ismay
Secondary Objective: Desert Creek

Est. Formation Tops:	Drlr.	Rel. S.L.
<u>Hermosa</u>	<u>1013</u>	<u>+3836</u>
<u>U. Ismay</u>	<u>1909</u>	<u>+2940</u>
<u>L. Ismay</u>	<u>2008</u>	<u>+2841</u>
<u>Gothic</u>	<u>2077</u>	<u>+2772</u>
<u>T. Desert Creek</u>	<u>2143</u>	<u>+2706</u>
<u>B. Desert Creek</u>	<u>2265</u>	<u>+2584</u>
<u>TD in Akah</u>	<u>2315</u>	<u>+2534</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Sample Program:
10' samples to 1500'
5' samples 1500'-TD
Mud Logger:
Base Surf. csg. to TD

Logging Program:
GR-Sonic Integrated Surf. Csg - TD
Dual Induction Integrated Surf. Csg-
CNL-FDC-GR Integrated Surf. Csg. - T

CORES:

Fm.	Depth
<u>L. Ismay</u>	<u>2010'-2070'</u>
_____	_____
_____	_____
_____	_____

DST:

Fm.	Depth
<u>L. Ismay</u>	<u>2000-2030</u>
<u>L. Ismay</u>	<u>2030-2080'</u>
<u>Desert Creek</u>	<u>2200-2270'</u>
_____	_____

DRILLING PROGRAM

Hole Size	Interval
<u>12¹/₄</u>	<u>300+</u>
<u>7⁷/₈</u>	<u>TD</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

CASING PROGRAM

Size	Interval	Weight	Grade
<u>8⁵/₈</u>	<u>300</u>	<u>24#</u>	<u>K-55</u>
<u>4¹/₂</u>	<u>TD</u>	<u>1</u>	<u>K-55</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

MUD PROGRAM American Mud - Attached

Interval	Type	Weight	Viscosity	WL	% Oil	LCM	Other
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

PATRICK PETROLEUM PERSONNEL:
Kenneth C. Scott 303-674-7846
Paul Adam 303-973-8402
Dave Abrahamson 303-794-7453

ENGINEERING: Paul Adam *PA*
WELL SITE GEOLOGY: Kenneth C. Scott *KS*

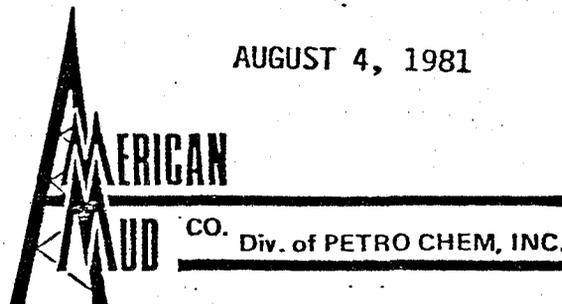
ADDITIONAL INFORMATION: _____

PREPARED FOR
PATRICK PETROLEUM
MR. PAUL ADAM
950 17TH STREET #1655
DENVER, COLORADO

2,250' DESERT CREEK TEST
FISH CREEK FED. 1-A
SE SW SECTION 11, T39S, R20E
SAN JUAN, UTAH

PREPARED BY
JIM PRIESTLEY
TECHNICAL ADVISOR
DENVER, COLORADO

AUGUST 4, 1981



DRI●LING FLUIDS ●PROGRAM



CO. Div of PETRO CHEM, INC.

FORMATION TOPS

Hermosa	949'
Upper Ismay	1,845'
Lower Ismay	1,944'
Gothic Shale	2,013'
Desert Creek	2,079'
Base of Desert Creek	2,201'
Total Depth	2,250'

DRILLING FLUIDS PROGRAM



CO. Div of PETRO CHEM, INC.

SYNOPSIS

The following mud types are recommended:

0' - 250'	Spud Mud
250' - 2,250'	Low Solids, Non-Dispersed

Reference wells #1 and #5 encountered water flows at the 1,100' to 1,500' depths, probably the Chinle formation. High mud weights were not received to kill these flows.

Mud weights of 9.3 to 10.1 were used when total depth was reached on all reference wells.

Loss of circulation was not experienced on any of the reference wells.

A low solids non-dispersed system is recommended for this well in order to meet the toxicity standards set for this area.

Mud cost is estimated at \$12,000.00 based on 10 days on the well.

DRILLING FLUIDS PROGRAM



CO. Div of PETRO CHEM, INC.

FLUID RECOMMENDATIONS

DEPTH INTERVAL

0 - 250'

FLUID TYPE

Spud Mud-Gel Lime

Spud with clear water and add lime to aid the settling and flocculating of drilled solids. Run a Gel-Lime sweep or mud up as necessary to clean the hole and land surface casing.

A short or round trip may be beneficial at surface casing depth.

The pumps should be compounded if the annular velocity is not greater than 60 fpm.

A high velocity fluid may be necessary to stabilize this large diameter hole.

Estimated Drilling Time: 1 Day

Estimated Interval Mud Cost: \$700.00

DROILING FLUIDS PROGRAM



CO. Div of PETRO CHEM, INC.

GENERAL - LOW SOLIDS, NON DISPERSED MUDS

A low solids, non-dispersed mud should:

1. Weigh less than 9.0 ppg.
2. Contain less than 6% solids.
3. Use bentonite with an extender-flocculant.
4. Not contain dispersants.

ADVANTAGES

1. Relatively inexpensive.
2. Easy to maintain with minimum mud weights.
3. Gives high penetration rates.

DISADVANTAGES

1. Higher fluid loss.
2. Does not perform well in high solids and high mud weights.
3. Sensitive to calcium and salt contamination.
4. Has a high temperature limitation.

Low solids, non-dispersed muds are shear thinning and increase viscosities in the annulus for maximum hole cleaning.

Higher penetration rates are experienced due to the lower solids content, shear thinning and the high spurt fluid loss.

The PV and YP are usually maintained in a 1 to 1 ratio with filtration rates between 8 and 15.

Additional shale stability may be gained by using a long chain polymer (SH1200) which coats and encapsulates shales. This polymer also reduces consumption of other products and an increase in mud cost is not realized.

Building an LSND fluid requires:

- 8 to 12 lb/bbl bentonite
- 1 sack of Ace-Ben or Lo Sol per 6 or 7 sacks of Gel
- Soda Ash to control calcium at 150 or less
- Amoco SPA or CMC to adjust filtration
- Caustic Soda for a 9.0 to 9.5 pH

DRILLING FLUIDS PROGRAM



CO. Div of PETRO CHEM, INC.

GENERAL - LOW SOLIDS, NON DISPersed MUDS CONTINUED

Material requirements to maintain desirable properties is greatly dependent upon solids content. Rheological and filtration properties are easier to maintain if mechanical solids control equipment is used to maintain solids as low as possible. In general, a low solids, non-dispersed mud system does not perform as expected unless a low solids content is maintained.

Filtration control using Amoco SPA or CMC should depend upon the viscosity desired. SPA initially increases viscosity and eventually has a thinning effect. CMC is helpful if a viscosity increase is desired.

Approximately 2 pounds of Ace-Ben or Lo Sol per 100' of hole drilled may be beneficial to help flocculate drilled solids so they can be settled or separated by mechanical solids control equipment.



DRILLING FLUIDS PROGRAM

CO. Div of PETRO CHEM, INC.

FLUID RECOMMENDATIONS

DEPTH INTERVAL

250' - 2,250' TD

FLUID TYPE

Low Solids, Non-Dispersed

In order to provide protection from sensitive shales, help prevent turbulent flow in the annulus and aid carrying capacity, a mud up is recommended at this point.

Treat any cement contaminated fluid with bicarbonate of soda, clean the pits, lower calcium to 150 or less and mud up with an Ace-Ben, low solids, non-dispersed system. This highly shear thinning system is chosen because it has a minimum of solids (for penetration rate), with minimum viscosity at the bit, and a maximum annular viscosity (for hole cleaning).

The use of Ace-Ben will extend the yield of bentonite while selectively flocculating low yield native solids. Ace-Ben should be added at a rate of 1 sack per 6 sacks of bentonite for maximum effectiveness.

SH1200 (a shale encapsulating polymer) is recommended in this fluid. This long chain polymer coats shale particles to help prevent water wetting and dispersion. Other desirable aspects of the polymer is that fluid loss is reduced and viscosity is gained. When using SH1200 in conjunction with conventional low solids mud additives, no significant cost increase is realized.

Caustic Soda should be used to control pH at approximately 9.0-9.5. Cypan or CMC may be used if lower filtrates are desired. Use Soda Ash to maintain calcium at 150 or less. If high viscosities and gels become a problem, small additions of Rayvan or Petro-Lig may be needed.

Filtrates of 10-15 should be used throughout this interval. Filtrates of 6-8 are recommended if sensitive shales become a problem or while drilling in potential producing zones or for DST's.

Initially, a viscosity of 33-38 should be sufficient. Higher viscosities may be needed if bridges and fill become a problem.

DRI●LING FLUIDS ●PROGRAM



CO. Div of PETRO CHEM, INC.

DEPTH INTERVAL 250' - 2,250' CONTINUED

Recommended Fluid Properties:

Mud Weight	8.7 - 8.9
Funnel Viscosity	33 - 50
Filtrate	8 - 15
pH	9.0 - 9.5
Calcium	150 or less

Estimated Drilling Time: 9 Days

Estimated Interval Mud Cost: \$11,300.00

DRI●LING FLUIDS ●PROGRAM



CO. Div of PETRO CHEM, INC.

COST SUMMARY

<u>DEPTH INTERVAL</u>	<u>DAYS</u>	<u>COST</u>
0' - 250'	1	\$ 700.00
250' - 2,250' TD	<u>9</u>	<u>11,300.00</u>
	10	\$ 12,000.00



DRILLING FLUIDS PROGRAM

CO. Div of PETRO CHEM, INC.

LOCAL AMERICAN MUD PERSONNEL

Tim Smith	Sales Engineer	Aztec, New Mexico	(505) 327-4981
Jerry Small	Sales Engineer	Aztec, NM	(505) 327-4981
William Hargis	Sales Engineer	Bloomfield, NM	(505) 327-4981
Jim Bernal	Sales Engineer	Fruita, CO	(303) 245-9204
John Coursey	Sales Engineer	Moab, UT	(505) 327-4981
Gerald Follett	Sales Engineer	Grand Junction, CO	(303) 245-9204
Vernon McNeill	Sales Engineer	Meeker, CO	(303) 245-9204
Jimmy Morris	Senior Engineer	Aztec, NM	(505) 327-4981
John Hunter	Area Manager	Farmington, NM	(505) 327-4981
Gary Knothe	Ass't Area Manager	Grand Junction, CO	(303) 245-9204
Richard Miller	Technical Advisor	Denver, Colorado	(303) 893-0729
Jim Priestley	Technical Advisor	Denver, Colorado	(303) 893-0729
Robert Ellis	RM Technical Manager	Denver, Colorado	(303) 893-0729
David Young	Technical Manager	Denver, Colorado	(303) 893-0729
Edwina Treybig	Division Sales Rep.	Denver, Colorado	(303) 893-0729
Mike Cagle	Division Sales Rep.	Denver, Colorado	(303) 893-0729
John Cowan	Division Sales Rep.	Denver, Colorado	(303) 893-0729
Bill Beck	Asst. Sales Manager	Denver, Colorado	(303) 893-0729
Michael Cowan	Rocky Mtn Sales Mgr.	Denver, Colorado	(303) 893-0729
Fred Williamson	Manager	Denver, Colorado	(303) 893-0729
Bob Hill	General Manager	Denver, Colorado	(303) 893-0729

STOCKPOINTS

Farmington, New Mexico

(505) 327-9201

** FILE NOTATIONS **

DATE: Aug. 28, 1981
OPERATOR: Patrick Petroleum Corp.
WELL NO: Fish Creek Federal #1-A
Location: Sec. 11 T. 39S R. 20E County: San Juan

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-037-30712

CHECKED BY:

Petroleum Engineer: M. J. Minder 9-2-81

Director: _____

Administrative Aide: ok as per Rule C-3,

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed Plotted on Map

Approval Letter Written

Hot Line P.I.

September 2, 1981

Patrick Petroleum Corp.
388 Denver, Club Bldg.
Denver, Colo. 80202

RE: Well No. Fish Creek Federal #1-A,
Sec. 11, T. 39S, R. 20E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-3771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30712

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Patrick Petroleum Corp.; LeClair-Westwood, Inc. - Agent

3. ADDRESS OF OPERATOR
388 Denver Club Building Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 1820' FWL and 820' FSL Sec. 11, T39S - R20E
At proposed prod. zone SE SW Sec. 11, T39S - R20E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 miles NW of Bluff, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 820'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4834' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8"	24#	300'	150 sx - sufficient to circ.
7-7/8"	4-1/2"	11.6#	2315'	200 sx - sufficient to cover zones of interest

We propose to drill a well to 2315' to test the L. Ismay and Desert Creek Formations. If productive, we will run 4-1/2" casing and complete. If dry, we will plug and abandon as per USGS and State of Utah regulations.

RECEIVED
AUG 17 1981
DIVISION OF OIL, GAS & MINING
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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. SIGNER Paul W. Adam TITLE Division Engineer DATE 8/6/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY WT Martin FOR E. W. GUYNN
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE SEP 25 1981

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

STATE O & G

United States Department of the Interior
Geological Survey

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Patrick Petroleum Corporation / 1-A Fish Creek
 Project Type single zone oil exploration well
 Project Location 020' FSL / 1820' FWL, Sec. 11, T. 39 S., R. 20 W. E.,
San Juan County, Utah
 Lease Number U-24401
 Date Project Submitted August 27, 1981

FIELD INSPECTION

Date July 23, 1981

Field Inspection
Participants

Paul Adam - Patrick Petroleum Corp.
Lisa Green - LeClair-Westwood, Inc.
Fred Frampton - Archeologist, Power Elevation
Gerald Huddleston - Surveyor, Power Elevation
Bob Turri - Bureau of Land Management
Dean McClellan - McDonald Construction Co.
Dan Englishman - USB

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A.	Federal or State Agency			Local and Private Correspondence	Previous NEPA documents	Other Studies and Reports	Staff Expertise	Onsite Inspection (date)	Other
	Correspondence	Phone Calls	Meetings						
1. Public health and Safety						✓	✓		
2. Unique Characteristics							✓		
3. Environmentally Controversial							✓		
4. Uncertain and Unknown Risks						✓	✓		
5. Establishes Precedent							✓		
6. Cumulatively Significant							✓		
7. National Register Historic Places	✓2								
8. Endangered or Threatened Species	✓2								
9. Violate Federal, State, Local or Tribal Laws						✓	✓		

July 24, 1981 / D.E.E.
Date Prepared

George J. Duval / For D.E.E.
Signature of Preparer 19/24/81

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

SEP 24 1981
Date

W.P. Mantus FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

References:

1. APD, August 17, 1981
2. BLM Concurrence Letter, September 18, 1981

Remarks:

This well is located within a BLM WSA (#204). The lease involved (U-24401) was issued December 1, 1973, which makes it a pre-FLPMA lease, therefore, allowing an exploratory well to be drilled within the WSA. BLM has requested they see our Environmental Assessment before they give concurrence, but John Price, District Supervisor of this area prior to September 14, 1981 (September 14 this area [San Juan County, Utah] is under the jurisdiction of the Salt Lake City USES District Supervisor) has determined that a CER is sufficient (if nothing triggers an EA). BLM has accepted this with their concurrence letter of September 18, 1981.

Per telecon w D.E.E. 9/24/81

Well loc. on extreme edge of WSA
w existing road to location —
goes on to old abandoned wells —
within and around WSA. APD

Date 7-23-81 By peg (PER) ①

Lease U-24401 Field we

CER 7-24-81 (Call Log. 11) (WC) Dev. wo)
Operator Patrick Petroleum

Well Name: #1-A Fish Creek Fed

Location 820' E / 1820' S. 11 T. 37 S. R. 30 W

County San Juan State Utah

Depth 2000' Formation DS Ch

Oil X Gas CO

Road length 2.8 miles ^{2.8} _{at wheel} ^{2.8} _{at wheel} Cut 10'

Road width 3000' NW

Pad/Pit size 300' x 200' Cut 14' NW

Distance to: (Duff)

Nearest well 10 miles SE

Nearest utility R.O.W. _____

Nearest oil/gas well _____

Nearest body of water _____

Names of individuals

on JOINT INSPECTIONS:

Ag Green - Le Clair - Westwood, Dr

Fred Frampton - Archey, P Oiler

Gerald Huddleston - Surveyor, P Oiler

Paul Adam - Patrick Petroleum

Bob Turri - BLM / Deam MacCallan

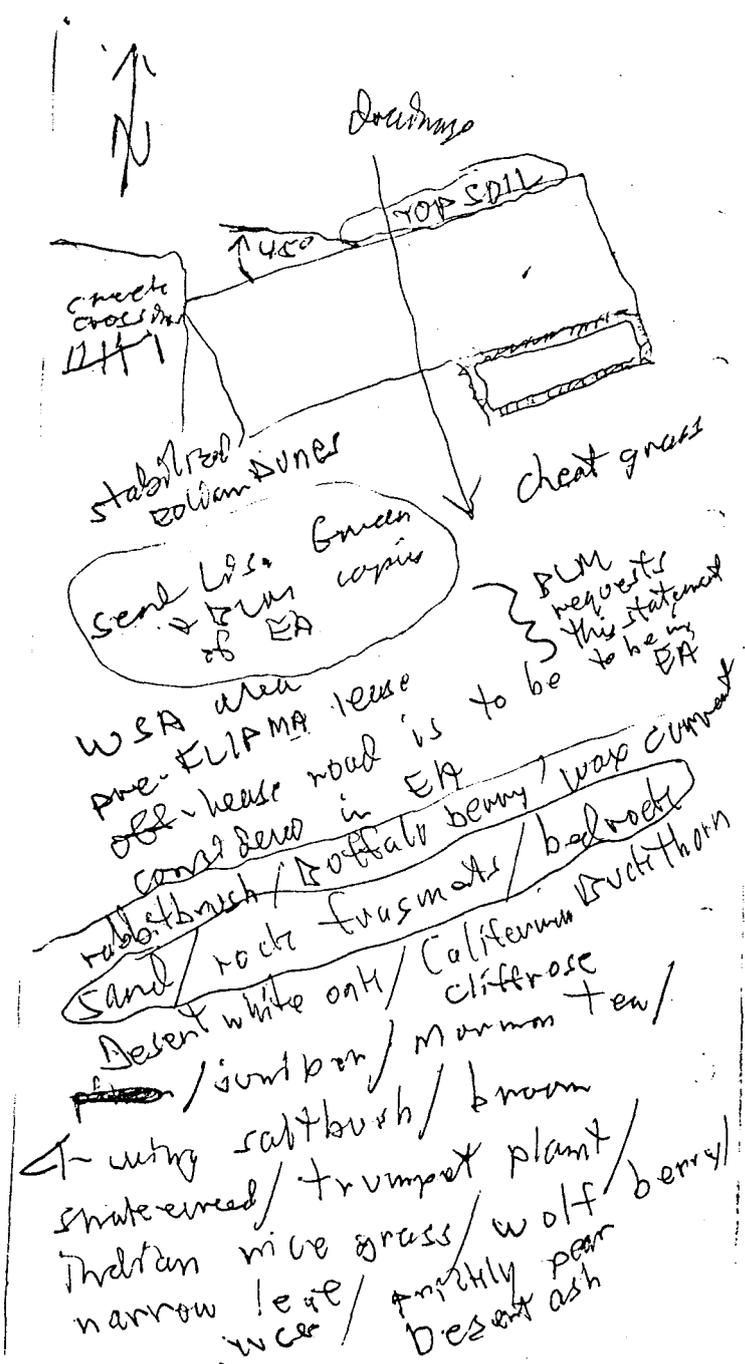
Tommy rug of Cannon bottom

STARTING DATE _____

DRILLING Surface ownership BLM

Time _____

(WSA area)



- WSA area
- pre-FLPMA lease
- off-lease road is to be
- conserved in EA
- sagebrush / buffalo berry / bedrock
- Desert white oak / California cliffrose
- juniper / Mormon tea /
- white-eyed / trumpet plant
- Indian rice grass / wolf berry
- narrow leaf / strictly pear
- water / Desert ash



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

IN REPLY REFER TO

T39SR20E Sec. 11
Patrick Pet. Fed. 1-
(U-069)

September 16, 1981

Memorandum

To: USGS, Durango, CO

From: Area Manager, San Juan

Subject: Patrick Petroleum Corporation - Fish Creek Federal 1-A

We concur with approval of the Application for Permit to Drill, provided the following amendments to the Surface Use Plan are included in the approval:

1. Receipt of right-of-way grant from Bureau of Land Management for access off-lease.

~~RECEIVED~~

Robert Lurr

SEP 18 1981

U. S. GEOLOGICAL SURVEY
DURANGO, CO

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Patrick Petroleum

WELL NAME: 1A Fish Creek

SECTION 11 TOWNSHIP 39S RANGE 20E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 2250'

CASING PROGRAM:

8 5/8 surface casing to 300'

FORMATION TOPS:

Surface	-	White Rain
Culler	-	?
Hermosa		977'
Upper Ismay		1886'
Low Ismay		1958'
Desert Creek		2126'

PLUGS SET AS FOLLOWS:

(From USGS - Ed Guymnn)
1700 - 1900 Uper Ismay
2000 - 2200 Desert Creek
250 - 350 Surface casing
10 sax at top of hole

DATE January 8, 1982

SIGNED C. B. Feight



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

January 22, 1982

Patrick Petroleum Corporation
388 Denver Club Building
Denver, Colorado 80202

Re: Well No. Fish Creek Federal #1-A
Sec. 11, T. 39S, R. 20E
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned 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, in duplicate, and also all drilling information on this well is needed to be forwarded to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen wells. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
FEB 01 1982
DIVISION OF OIL, GAS & MINING

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER DRY HOLE		5. LEASE DESIGNATION AND SERIAL NO. U-24401
2. NAME OF OPERATOR Patrick Petroleum Corp/LeClair-Westwood, Inc. - Agent		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 388 Denver Club Bldg Denver CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State law. See also space 17 below.) At surface 1820' FWL & 820' FSL Sec 11, T39S - R20E		8. FARM OR LEASE NAME Fish Creek Federal
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4834 GL 4846 DF	9. WELL NO. #1-A
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 11, T39S - R20E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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"/>	

(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.)

On 1-11-82 the subject well was plugged and abandoned as per verbal orders given by E. W. Guynn, USGS, on 1-8-82 at 11:15 a.m.

Procedure as follows:

- 1) Placed cement plug from 2200' to 2000', across Desert Creek Formation (36 sxs).
- 2) Placed cement plug from 1905' to 1750', across the Upper Ismay Formation (36 sxs).
- 3) Placed cement plug from 350' to 250', across base of surface pipe (18 sxs).
- 4) Placed 10 sxs plug at surface with regulation 4' marker.
- 5) Fenced pits, cleaned location of trash and debris, filled in all holes: rathole, mousehole, cellar.
- 6) Rehabilitate location according to program.
- 7) Operator will notify your office when location is ready for inspection.

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

Operations

SIGNED

Fred F. Paul

TITLE

Superintendent

DATE

January 14, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other **DRY HOLE**

2. NAME OF OPERATOR
Patrick Petroleum Corp/LeClair-Westwood-Agent

3. ADDRESS OF OPERATOR
388 Denver Club Bldg, Denver CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1820' FWL & 820' FSL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
U-24401

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Fish Creek Federal

9. WELL NO.
#1-A

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 11, T39S - R20E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4847' KB 4834' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON* (other)	<input type="checkbox"/>		<input checked="" type="checkbox"/>

RECEIVED
FEB 10 1982

NOTES: Report results of multiple completion or zone change on Form 9-330.)
DIVISION OF OIL, GAS & MINING

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.)*

On 1-11-82 The subject well was plugged and abandoned as per verbal orders given by E.W. Guynn, USGS, on 1-8-82 at 11:15 a.m..

Procedure as follows:

- 1) Placed cement plug from 2200' to 2000', across Desert Creek Formation (36 sxs).
- 2) Placed cement plug from 1905' to 1750', across Upper Ismay Formation (36 sxs).
- 3) Placed cement plug from 350' to 250', across base of surface pipe (18 sxs).
- 4) Placed 10 sxs plug at surface with regulation 4' marker.
- 5) Fenced pits, cleaned location of trash & debris, filled in all holes: rathole, mousehole, cellar.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Fred F. Powell TITLE Operations Engineer DATE January 14, 1982

(This space for Federal or State office use)

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

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 office.

Item 4: 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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

- 6) Rehabilitate location according to program.
- 7) Operator will notify your office when location is ready for inspection.

RECEIVED
MAY 10 1979
DIVISION OF
OIL & GAS

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

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry hole</u>		5. LEASE DESIGNATION AND SERIAL NO. U-24401
2. NAME OF OPERATOR <u>Patrick Petroleum / LeClair-Westwood, Inc. - Agent</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>388 Denver Club Building Denver, Colorado 80202</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1820' FWL 820' FSL</u>		8. FARM OR LEASE NAME <u>Fish Creek Federal</u>
14. PERMIT NO. <u>Sec. 11, T39S, R20E</u>		9. WELL NO. <u>#1-A</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>4834' GL</u>		10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>11-T39S-R20E</u>
		12. COUNTY OR PARISH <u>San Juan</u>
		13. STATE <u>Utah</u>

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"/>	

(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.) *

On April 12, 1982, we received conformation that the access, reserve pit, and location have been restored to the satisfaction of the BLM, San Juan Resource Area personnel and that the location has also been reseeded.

RECEIVED
APR 17 1982
DIVISION OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED Jeff Robinson TITLE Environmental Engineer DATE April 13, 1982
(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

April 23, 1982

Patrick Petroleum Corporation
LeClair-Westwood, Inc.
388 Denver Club Bldg.
Denver, Colorado 80202

Re: Well No. Fish Creek Federal #1-A
Sec. 11, T. 39S, R. 20E.
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned 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, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

LeCLAIR
WESTWOOD
INC.

LeCLAIR - WESTWOOD, INC.

388 DENVER CLUB BUILDING
DENVER, COLORADO 80202
(303) 825-4258

RECEIVED
APR 30 1982
DIVISION OF
OIL, GAS & MINING

April 27, 1982

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West, North Temple
Salt Lake City, UT 84116

Re: Fish Creek Federal #1-A
Sec 11, T39S - R20E
San Juan County, Utah
Well Completion Report

Gentlemen:

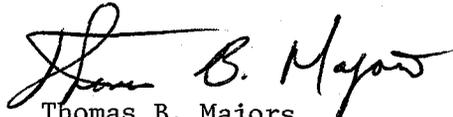
Please find enclosed the second filing of the above mentioned report. Also enclosed, you will find the original filing of the same report. As you can see, we show this report was originally submitted to your office on February 1, 1982.

We hope these copies will complete your files. If you have any questions, please contact the undersigned.

Thank you.

Yours truly,

LeCLAIR-WESTWOOD, INC.


Thomas B. Majors
Operations Manager

TBM/dsh

Enclosures

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

5. LEASE DESIGNATION AND SERIAL NO.

U-24401

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fish Creek Federal

9. WELL NO.

#1-A

10. FIELD AND POOL, OR WILDCAT

W/C

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

Sec 11, T39S - R20E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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 P & A

2. NAME OF OPERATOR
Patrick Petroleum Corp/LeClair-Westwood

3. ADDRESS OF OPERATOR
388 Denver Club Bldg, Denver CO 80202 (303) 825-4258

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1820' FWL, 820 FSL, Sec 11, T39S - R20E
At top prod. interval reported below same
At total depth same

RECEIVED
APR 30 1982
DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-037-30712 | DATE ISSUED 9-2-81

15. DATE SPUNDED 12/29/81 | 16. DATE T.D. REACHED 1/9/82 | 17. DATE COMPL. (Ready to prod.) N/A | 18. ELEVATIONS (DF, RSB, RT, GR, ETC.)* 4834' GR | 19. ELEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 2189' | 21. PLUG, BACK T.D., MD & TVD --- | 22. IF MULTIPLE COMPL., HOW MANY* --- | 23. INTERVALS DRILLED BY Surf to TD | ROTARY TOOLS | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A | 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN FDC-CNL BHC DIL-SFL | 27. WAS WELL CORED Yes

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	23#	315	12-1/4	250 sx Class "B" w/2% CaCl ₂	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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)
N/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
SIGNED Thomas B. W. [Signature] TITLE Operations Manager DATE April 27, 1982

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

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 office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Item 4: 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 5: 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	TOP
					MEAS. DEPTH
					TRUE VERT. DEPTH
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	38.	38.	38.	38.	38.
Lower Ismay	1982'	2024'	SL/Show oil-some porosity-wet Test #1 IH 946 IF 79-329 ISI 368 FF 329-368 FSI 368 FH 893 Recovered 860' mud cut water P & A Plug #1 2200' to 2000' (36 sx) Plug #2 1900' to 1700' (36 sx) Plug #3 350' to 250' (18 sx) Plug #4 10 sx at surf		



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

July 13, 1982

Patrick Petroleum Corporation
c/o LeClair-Westwood, Inc.
388 Denver Club Bldg.
Denver, Colorado 80202

Re: Well No. Fish Creek Federal #1-A
Sec. 11, T. 39S, R. 20E.
San Juan County, Utah

Gentlemen:

This office recieved a "Well Completion Report" on the above referred to well on April 27, 1982. It said that the well was cored. We have not received a copy of that core description. If you could please send that description, I would appreciated that very much.

Thank You,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

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

July 13, 1982

PEA

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

RECEIVED
JUL 16 1982

Patrick Petroleum Corporation
c/o LeClair-Westwood, Inc.
388 Denver Club Bldg.
Denver, Colorado 80202

LeClair-Westwood

Re: Well No. Fish Creek Federal #1-A
Sec. 11, T. 39S, R. 20E.
San Juan County, Utah

Gentlemen:

This office recieved a "Well Completion Report" on the above referred to well on April 27, 1982. It said that the well was cored. We have not received a copy of that core description. If you could please send that description, I would appreciated that very much.

Thank You,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

PER YOUR REQUEST, ATTACHED IS THE CORE ANALYSIS FOR SUBJECT WELL.

IF YOU NEED ANY ADDITIONAL INFORMATION, PLEASE CONTACT ME.

Vikki M. Miller
VIKKI M. MILLER
ENGINEERING TECHNICIAN

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

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

PEA

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U 24401
2. NAME OF OPERATOR Patrick Petroleum Corp of Michigan		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 950 - 17th ST #1655 Denver CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1820' FWL 820' FSL, Sec 11, T39S - R20E		8. FARM OR LEASE NAME Fish Creek
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4834 GR	9. WELL NO. #1-A
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 11, T39S - R20E
		12. COUNTY OR PARISH San Juan
		18. STATE Utah

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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Correspondence Change</u>	
(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.)

You should send your requests for further information involving the referenced location directly to Patrick Petroleum's Rocky Mountain Division in Denver, Colorado at the above address. Thank you. LeClair-Westwood, Inc.

RECEIVED
JUL 21 1982
DIVISION OF
OIL, GAS & MINING

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

SIGNED Jeff Robbins TITLE Environmental Engineer DATE 7/19/82

(This space for Federal or State office use)

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

cc: Patrick Petroleum Corp

*See Instructions on Reverse Side

CORE ANALYSIS RESULTS

for

PATRICK PETROLUUM CORPORATION

FISH CREEK FED. NO. 1-A
WILDCAT
SAN JUAN COUNTY, UTAH

RECEIVED

JUL 21 1982

DIVISION OF
OIL, GAS & MINING

PATRICK PETROLEUM CORPORATION FORMATION : LOWER ISMAY
 FISH CREEK FED. NO. 1-A DRLG. FLUID: W.B.M.
 WILDCAT LOCATION : SE, SW SEC. 11-39S-20E
 SAN JUAN COUNTY STATE : UTAH

DATE : 1-5-82
 FILE NO. : RP-3-3181
 ANALYSTS : GGIDS
 ELEVATION: 4847 KB

CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO HORZ.	AIR (MD) VERTICAL	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
1	1982-83	<0.01		1.2	0.0	18.3		LM-GRY, VF XLN VF
2	1983-84	0.02		6.8	0.0	85.3		LM-DK GRY, VF XLN VF
3	1984-85	<0.01		3.3	3.2	76.5		LM-GRY, VF XLN VF
4	1985-86	0.01		1.4	0.0	59.6		LM-GRY, VF XLN
5	1986-87	<0.01		1.4	0.0	61.0		LM-GRY, VF XLN
6	1987-88	<0.01		3.2	0.0	66.8		LM-GRY, VF XLN
7	1988-89	<0.01		0.8	0.0	27.6		LM-GRY, VF XLN
8	1989-90	<0.01		0.7	0.0	30.6		LM-GRY, VF XLN
9	1990-91	<0.01		0.8	0.0	28.5		LM-GRY, VF XLN VF
10	1991-92	<0.01		0.9	0.0	24.9		LM-GRY, VF XLN
11	1992-93	<0.01		0.9	0.0	23.5		LM-GRY, VF XLN
12	1993-94	<0.01		1.2	0.0	51.8		LM-GRY, VF XLN VF
13	1994-95	<0.01		1.1	0.0	20.2		LM-GRY, VF XLN VF
14	1995-96	<0.01		1.0	0.0	20.5		LM-GRY, VF XLN
15	1996-97	<0.01		0.8	0.0	26.7		LM-GRY, VF XLN R
	1997-1998							CORE LOSS
16	1998-99	<0.01		0.7	0.0	29.5		LM-GRY, VF XLN, STY VF
17	1999-00	<0.01		0.6	0.0	35.6		LM-GRY, VF XLN, STY VF
18	2000-01	<0.01		0.5	0.0	40.4		LM-GRY, VF XLN, STY VF
19	2001-02	<0.01		0.8	0.0	25.7		LM-GRY, VF XLN, STY VF
20	2002-03	<0.01		1.1	0.0	19.3		LM-GRY, VF XLN, STY VF
21	2003-04	0.01		0.6	0.0	36.3		LM-GRY, VF XLN, STY VF
22	2004-05	<0.01		0.7	0.0	30.1		LM-GRY, VF XLN, STY VF
23	2005-06	<0.01		2.6	0.0	72.7		LM-GRY, VF XLN, SL/VJG VF
24	2006-07	0.05		5.4	13.6	66.0		LM-GRY, VF XLN, VJG VF

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

PATRICK PETROLEUM CORPORATION FORMATION : LOWER ISMAY
 FISH CREEK FED. NO. 1-A DRLG. FLUID: W.B.M.
 WILDCAT LOCATION : SE, SW SEC. 11-39S-20E
 SAN JUAN COUNTY STATE : UTAH

DATE : 1-5-82
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 ANALYSTS : GGDS
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CONVENTIONAL CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ. VERTICAL	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
25	2007 -8	1.5	5.5	13.2	56.8		LM-GRY, VF XLN, VJG VF
26	2008 -9	0.01	5.4	13.5	61.6		LM-GRY, VF XLN, VJG VF
27	2009-10	<0.01	3.5	3.0	59.2		LM-GRY, VF XLN, VJG VF
28	2010-11	<0.01	2.4	4.4	61.4		LM-GRY, VF XLN, VJG VF
29	2011-12	309 **	3.6	20.3	52.1		LM-GRY, VF XLN, VJG VF
30	2012-13	<0.01	2.9	3.7	66.1		LM-GRY, VF XLN, VJG VF
31	2013-14	<0.01	3.1	6.8	67.7		LM-GRY, VF XLN, SL/VJG VF
32	2014-15	<0.01	1.9	0.0	68.5		LM-GRY, VF XLN, SL/VJG VF
33	2015-16	<0.01	4.7	0.0	76.6		LM-GRY, VF XLN, SL/VJG VF
34	2016-17	<0.01	3.3	0.0	77.9		LM-GRY, VF XLN, SL/VJG VF
35	2017-18	0.04	5.8	12.5	57.1		LM-GRY, VF XLN, VJG VF
36	2018-19	1.1 **	1.6	32.6	26.1		LM-GRY, VF XLN, SL/VJG VF
37	2019-20	0.32	0.6	0.0	38.5		LM-DK GRY, VF XLN VF
38	2020-21	<0.01	0.8	14.1	28.1		LM-GRY, VF XLN VF

1982.0-2021.0 Feet - Non-productive due to low permeability and porosity.

VF - Vertical fracture.
 R - Rubble.
 ** - Fracture permeability.



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY PATRICK PETROLEUM CORP. FIELD WILDCAT FILE RP-3-3181
 WELL FISH CREEK FED. NO. 1-A COUNTY SAN JUAN DATE 1-5-82
 LOCATION SE, SW SEC. 11-39S-20E STATE UTAH ELEV. 4847 KB

CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE
→

COREGRAPH

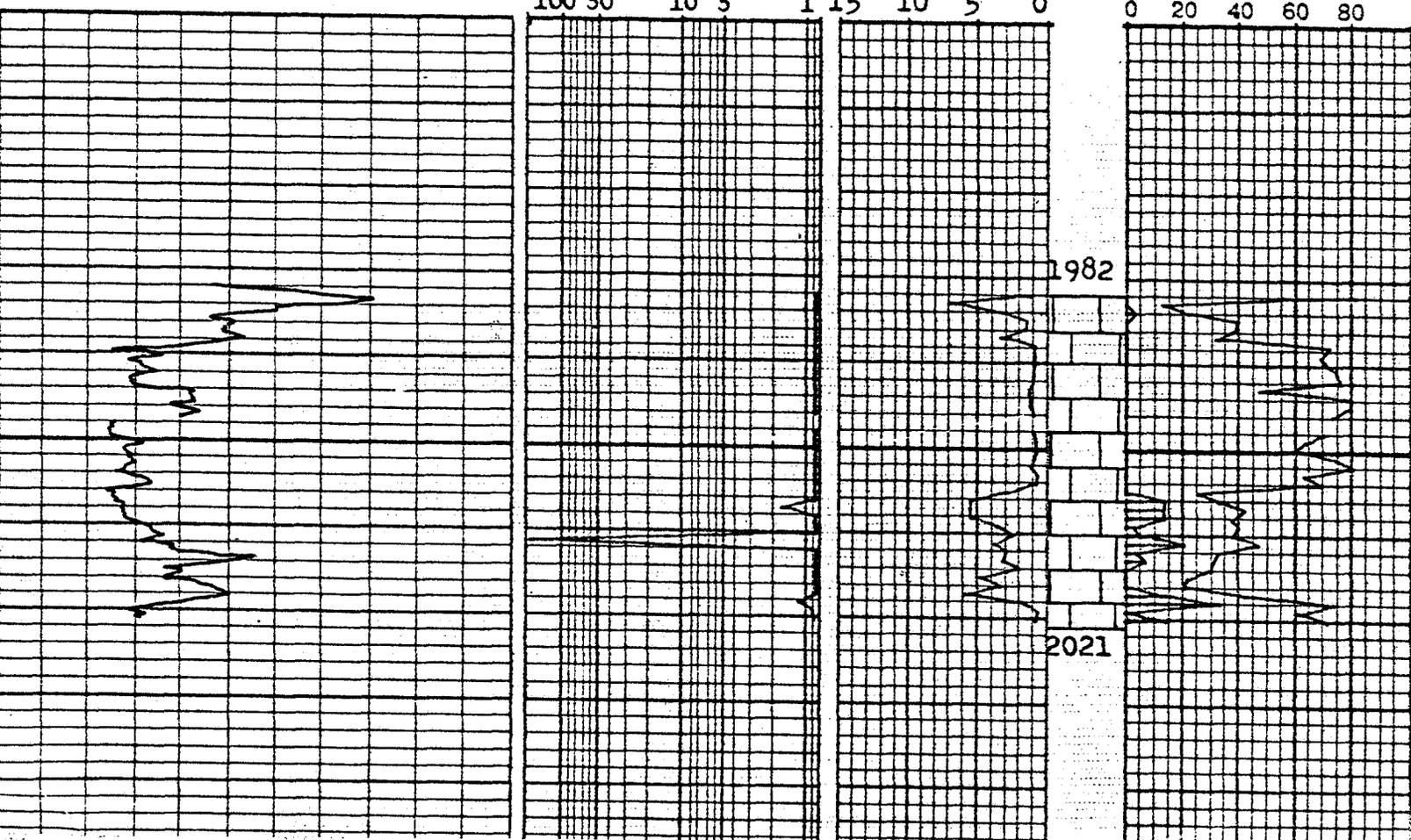
TOTAL WATER ———
PERCENT TOTAL WATER
80 60 40 20 0

LOWER ISMAY FORMATION

PERMEABILITY ———
MILLIDARCS
100 50 10 5 1 15

POROSITY ———
PERCENT
10 5 0

OIL SATURATION -----
PERCENT PORE SPACE
0 20 40 60 80





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

November 5, 1983

Patrick Petroleum Corporation
Rocky Mountain Division
950 17th St. #1655
Denver, Colorado 80202

RE: Well No. Fish Creek
Federal #1-A
API # 43-037-30712
Sec. 11, T. 39S. R. 20E.
San Juan County, Utah

Gentlemen:

According to our records, "Well Completion Report" filed with this office July 19, 1982 from the above referred to well, indicates the following electric logs were run: FDC-CNL, BHC, DIL-SIL. As of today's date, this office has not received these logs: FDC-CNL, BHC, DIL-SIL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

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

Claudia Jones
Well Records Specialist

CJ/cj