

UTAH DIVISION OF OIL GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD. _____

DATE FILED 9-26-79

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U 17064 INDIAN

DRILLING APPROVED: 9-24-79

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LOCATION ABANDONED-WELL NEVER DRILLED 4-21-80

FIELD: Wildcat 3/86 Undesignated

UNIT:

COUNTY: San Juan

WELL NO. Federal 17-1

API NO: 43-037-30501

LOCATION 500' FT. FROM (N) ~~XX~~ LINE. 625' FT. FROM ~~XX~~ (W) LINE. NW NW $\frac{1}{4}$ - $\frac{1}{4}$ SEC. 17

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>38S</u>	<u>26E</u>	<u>17</u>	<u>McCULLOCH OIL & GAS CORP.</u>				

FILE NOTATIONS

Entered in MID File	Checked by Chief
Location Map Pinned	Approval Letter
Card Indexed	Disapproval Letter

COMPLETION DATA:

.....	Location Inspected
.....
.....
SW..... OS..... PA.....	State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

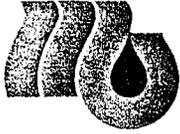
BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

WLC
4-18-91

J. D. Rawdon

McCulloch Oil and Gas Corporation



September 14, 1979

Bureau of Land Management
Moab District-San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

Attn: Mr. Robert Turri

Fed. 17-1
Re: Designation of Operator
NW $\frac{1}{4}$ Section 17, T38S-R26E
San Juan County, Utah
USA Lease U 17064

Gentlemen:

Attached are 3 copies of the Designation of Operator covering the NW $\frac{1}{4}$ of Section 17, T38S-R26E, San Juan County, Utah.

Yours very truly,


J.D. Rawdon

JDR/WRL/dj
CC: USGS - Durango
State of Utah- Salt Lake City

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Utah
SERIAL No.: U-17064

and hereby designates

NAME: McCulloch Oil and Gas Corporation
ADDRESS: 10880 Wilshire Boulevard
Los Angeles, California 90026

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 38 South, Range 26 ^{East} West, SLM, Utah
Section 17: NW $\frac{1}{4}$
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.



September 11, 1979
.....
(Date)

.....
(Signature of lessee)

3401 West Pershing Road
Chicago, Illinois 60632
.....
(Address)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U 17064

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 17

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 17, T38S-R26E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

McCulloch Oil & Gas Corporation

3. ADDRESS OF OPERATOR

3033 N.W. 63rd; Suite 250-E; Oklahoma City, Okla. 73116

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

At surface

500' FNL & 625' FWL of Section 17, T38S-R26E

At proposed prod. zone

Same as above **NW NW**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

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.

19. PROPOSED DEPTH

5600' *AKA*

20. ROTARY OR CABLE TOOLS

Rotary

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

5122' GR

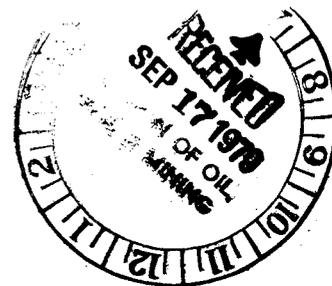
22. APPROX. DATE WORK WILL START*

October 15, 1979

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#	2350'	1200 sacks
7 7/8"	4 1/2"	10.5#	5600'	300 sacks

Additional information attached



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

24. SIGNED *AK* TITLE District Drlg. Engr. DATE Sept. 11, 1979

(This space for Federal or State office use)

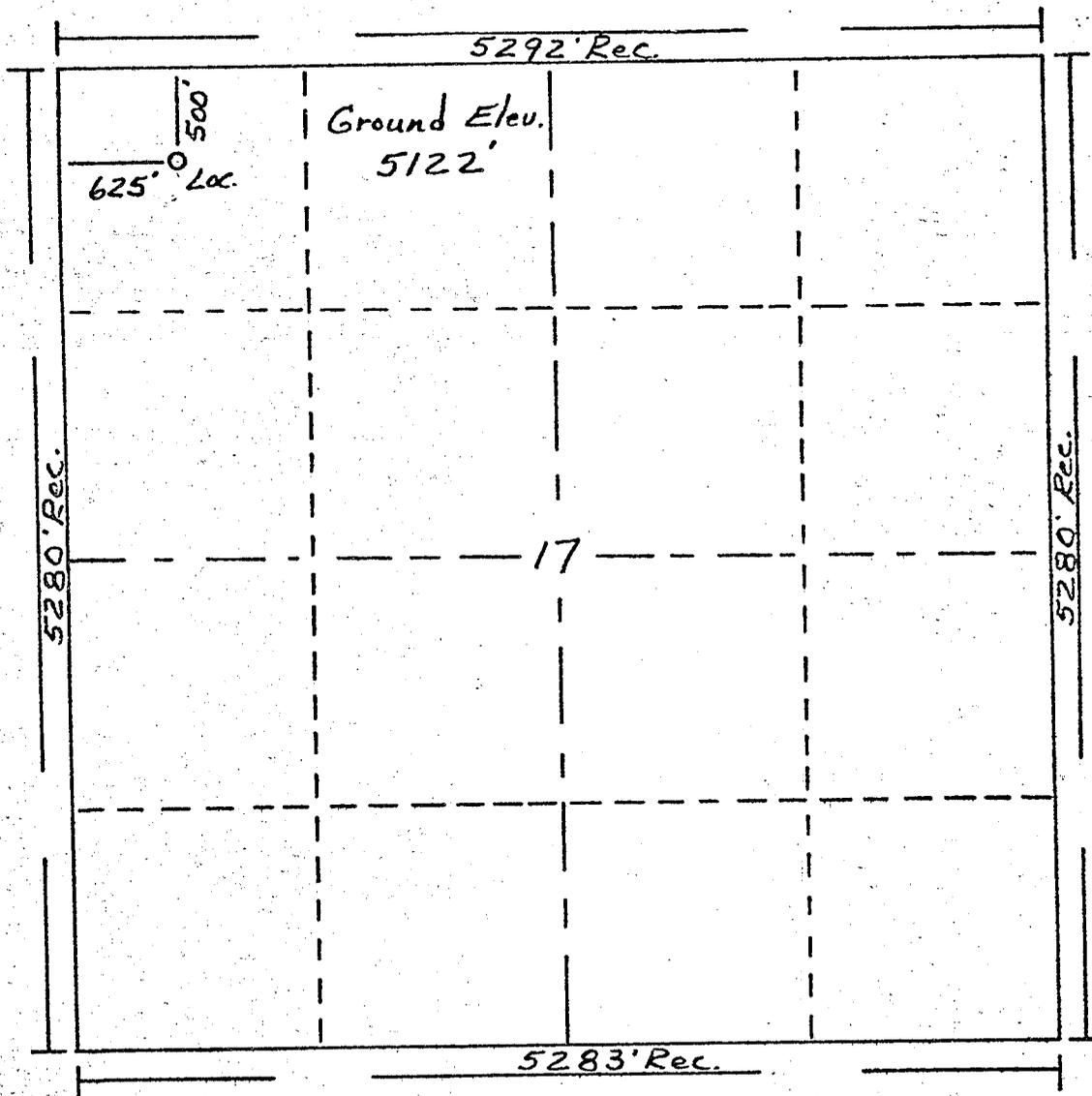
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



R. 26 E.



T. 38 S.

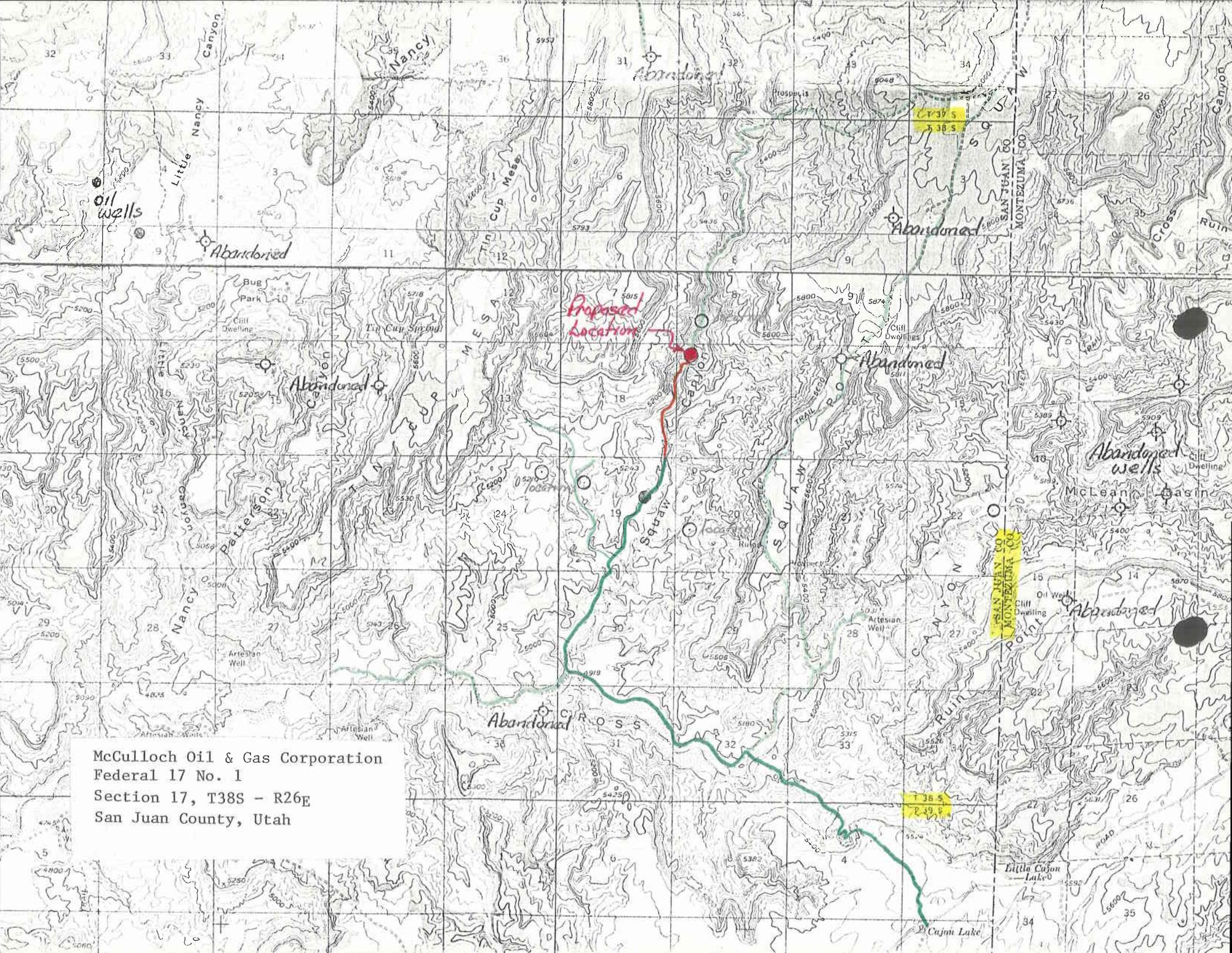
Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from *Dick Lynn*
 for *McCulloch Oil & Gas Co.*
 determined the location of *#1-17 Federal*
 to be *500' FNL 625' FWL* Section 17 Township 38 S.
 Range 26 E. 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 *#1-17 Federal*

Date: 9-4-79

T. Nelson
 Licensed Land Surveyor No. 2711
 State of Utah



T 38 S
R 26 E

SAN JUAN CO
MONTEZUMA CO

T 38 S
R 26 E

McColloch Oil & Gas Corporation
Federal 17 No. 1
Section 17, T38S - R26E
San Juan County, Utah

Proposed
Locations

oil wells

Abandoned

Abandoned

Abandoned

Abandoned

Abandoned wells

Abandoned

Little Cañon Lake

Cajon Lake

McCULLOCH OIL & GAS CORPORATION

Formation Information and Drilling Procedures
(continuation of Item 23 Form 9-331C)

WELL

Federal 17 No. 1

LOCATION

500' FNL & 625' FWL
Section 17, T38S-R26E
San Juan County, Utah

Federal Lease Number U 17064

1. Geologic Name of Surface Formation
Morrison Sandstone

2. Estimated Tops of Important Geologic Markers

Jurassic	Curtis	360'
	Entrada	460'
	Carmel	570'
Triassic	Navajo	625'
	Kayenta	870'
	Wingate	980'
	Chinle	1280'
	Shinarump	2080'
	Moenkopi	2140'
Permian	Cutler	2290'
Penn.	U. Hermosa	4090'
	Paradox	5010'
	U. Ismay	5150'
	L. Ismay	5365'
	Desert Creek	5435'
	Akah	5530'
	Total Depth	5600'

3. Estimated Depths at which Anticipated Water, Oil, Gas, or Other Mineral Bearing Formations are Expected

600'	Water
2100'	Water
5150'	Oil and Gas
5480'	Oil and Gas

4. Proposed Casing and Cementing Program

Conductor Casing: 13 3/8", 48.00#, H-40, ST&C new casing to be set at 80' and cemented to surface with 100 sacks Class "B" cement containing 2% CaCl₂.

Surface Casing: 8 5/8" 24.00#, K-55 & S-80, ST&C new casing to be set at 2350' and cemented to surface with 1000 sacks "Light" cement containing 2% CaCl₂ followed by 200 sacks Class "B" cement containing 2% CaCl₂.

Production Casing: 4 1/2". 10.50#, K-55, ST&C new casing to be set at 5600' and cemented with 300 sacks 50:50 pozmix cement containing 10% salt, and 0.75% CFR-2.

5. Specifications for Pressure Control Equipment

The attached schematic drawings show the pressure control equipment to be used while drilling. All equipment is rated at 3000 psi. The blowout preventer will be tested to 1000 psi prior to drilling from under the surface casing by applying pressuring through a casing valve with the blind rams closed. This procedure will be repeated with the pipe rams closed on a joint of drill pipe. Operation of the hydraulic system will be checked daily.

6. Drilling Fluids

<u>Depth</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
0-100'	Spud mud	8.6-9.0	35-40	NC
100-2350'	Water	8.4-8.6	28-30	NC
2350-5000'	Gel-Chem.	9.0-10.0	35-45	10-20
5000'-TD	Gel-Chem.	9.0-10.0	40-50	6-8

7. Logging, Coring, and Testing Program

Logging: Dual Induction Laterolog, Gamma Ray Sonic Log, Gamma Ray Compensated Neutron Formation Density Log, and High Resolution Dipmeter.

Coring: The Upper Ismay interval from approximately 5150' to 5330' and the Desert Creek interval from 5480' to 5540' will be cored.

Drill Stem Tests: DST's will be conducted only as warranted by indications of porosity and shows. Most probable candidates will be the Upper Ismay and Desert Creek Formations.

8. Abnormal Pressures, Temperatures, or Potential Hazards

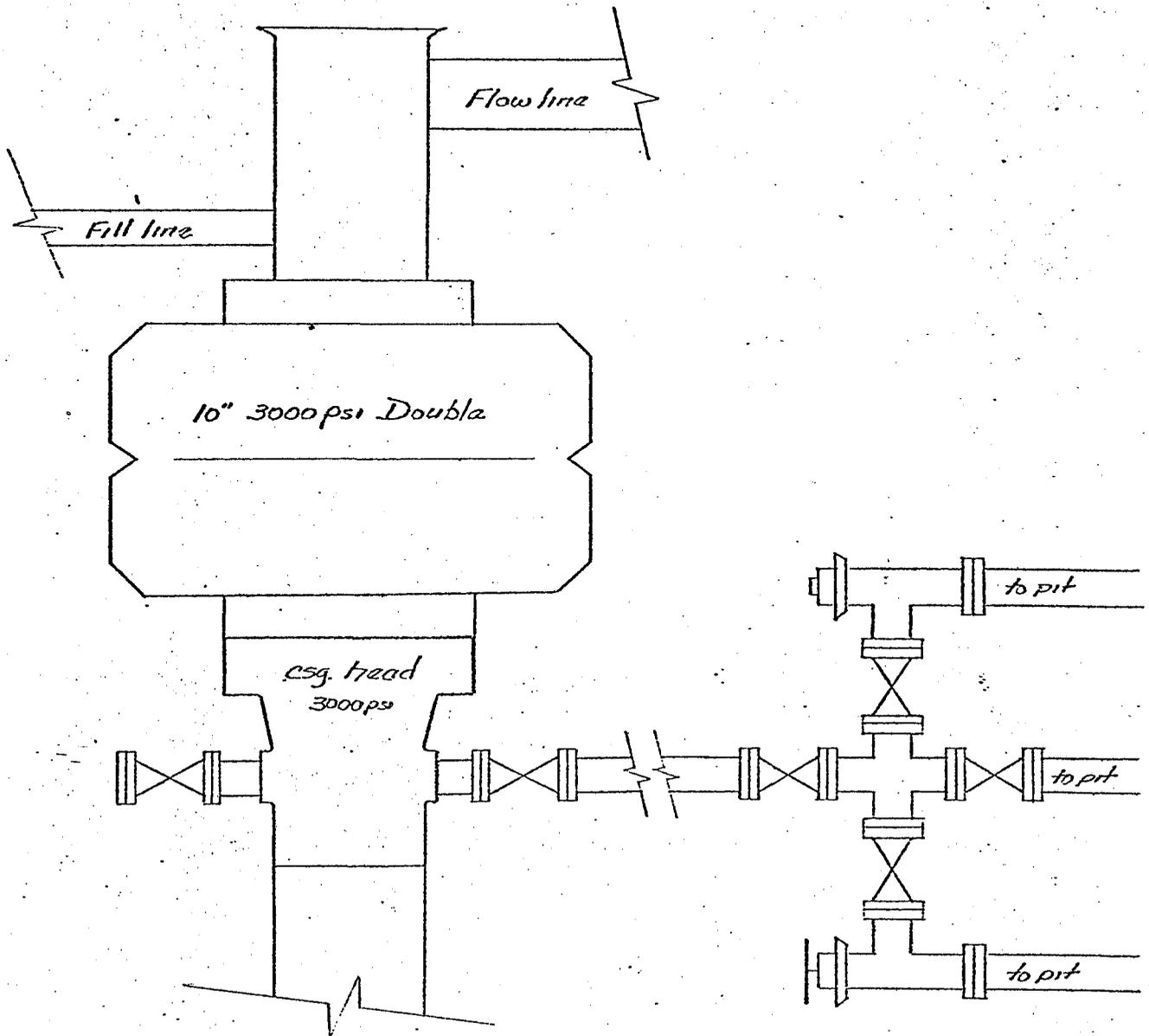
No abnormal pressures or temperatures are expected. None of the formations to be penetrated are expected to contain any hazardous gasses. Water flows are anticipated between the depths of 600' to 2200'.

9. Starting Date

The anticipated starting date is October 15, 1979. Approximately 30 days will be required to build roads and location and then drill the well to total depth. If commercial, completion operations will commence immediately and require an additional 15 days.

Schematic of Pressure Control Equipment

McCulloch Oil & Gas Corp.
Federal 17 No. 1
500' FNL & 625' FWL
Section 17, T38S-R26E
San Juan County, Utah



McCULLOCH OIL & GAS CORPORATION

Multi-Point Surface Use and Operations Plan

WELL

Federal 17 No. 1

LOCATION

500' FNL & 625' FWL
Section 17, T38S-R26E
San Juan County, Utah

Federal Lease Number U 17064

1. Existing Roads (Shown in green)

The attached topographic map shows all existing roads within three miles of the proposed location. To reach the proposed location go north of Cortez, Colorado, on HW.666 19 miles to the Hovenweep National Monument Road, turn left (west) onto the Hovenweep road and follow it for 23 miles to the Cross Canyon road. Turn right (north) onto the Cross Canyon road and go 2.5 miles just past Cross Canyon wash, then take the road going to the left (west) and go 1.75 miles to the road turning right (north) into Squaw Canyon. Follow this road 2 miles to the north line of Section 19. These are all existing roads and are marked in dark green on the attached map. The last 1 mile of road (marked in orange) to the location is over an old existing road that will have to be completely re-constructed.

The existing roads will have to be upgraded to take care of heavy truck traffic. This will require no more than leveling rough spots in the present roadway.

2. Planned Access Road (Shown in orange)

The new access road will be approximately 1 mile long and 20' wide. Terrain requires the road to be constructed in a creek bottom. Drainage will run beside the road, with water bars used where necessary to prevent erosion. Maximum grade will be about 5%. No turnouts or culvert will be required. All surfacing material will be taken from the roadway. No gates, cattleguards, or fences will be crossed. No major cuts or fills should be required.

3. Location of Existing Wells

All wells (water, abandoned, disposal, and drilling) are shown and so labeled on the topographic map.

4. Location of Tank Batteries, Production Facilities, and Production Gathering, and Service Lines

All production facilities are to be contained within the proposed location site. McCulloch does not own or control any of the above facilities within one mile of the proposed location.

5. Location and Type of Water Supply

Water for drilling will be trucked from the artesian well in Cross Canyon located in Section 28, T38S-R26E, approximately 6 road miles south and east of the location. This water source is located on federal land.

6. Source of Construction Materials

Any construction material required for roads or location will be excess material accumulated from building of such sites.

7. Method of Handling Waste Disposal

The location of the reserve and burn pit is shown on the attached drill site layout. All trash and burnable material will be burned in the burn pit when safety permits. All nonburnable material (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, and then back-filled with dirt prior to preparing the location for production or abandonment.

A portable chemical toilet will be supplied for human waste.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

10. Plans for Restoration of Surface

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any top soil replaced and will be reseeded when germination of seeds can take place.

Should the well be commercial, that portion of the location not needed for operation will be repaired as above. The portion of the location needed for daily production operations and the access road will be kept clean and in good repair.

In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling.

11. Other Information

This location is in Squaw Canyon with a steep hillside to the east and the creek bed to the west. The soil is a sandy loam. Sparse vegetation consists mostly of sage brush and native grasses.

The surface agency for the drill site and access road is The Bureau of Land Management.

There are no occupied dwellings in the area.

There were no archaeological or cultural sites visible on the location. An archaeologist will be present for the pre-drill inspection and will submit his report afterward.

12. W.R. Lynn
McCulloch Oil & Gas Corporation
3033 N.W. 63rd St.
Suite 250-E
Oklahoma City, Oklahoma 73116

13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the 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 McCulloch Oil & Gas Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

9-11-79

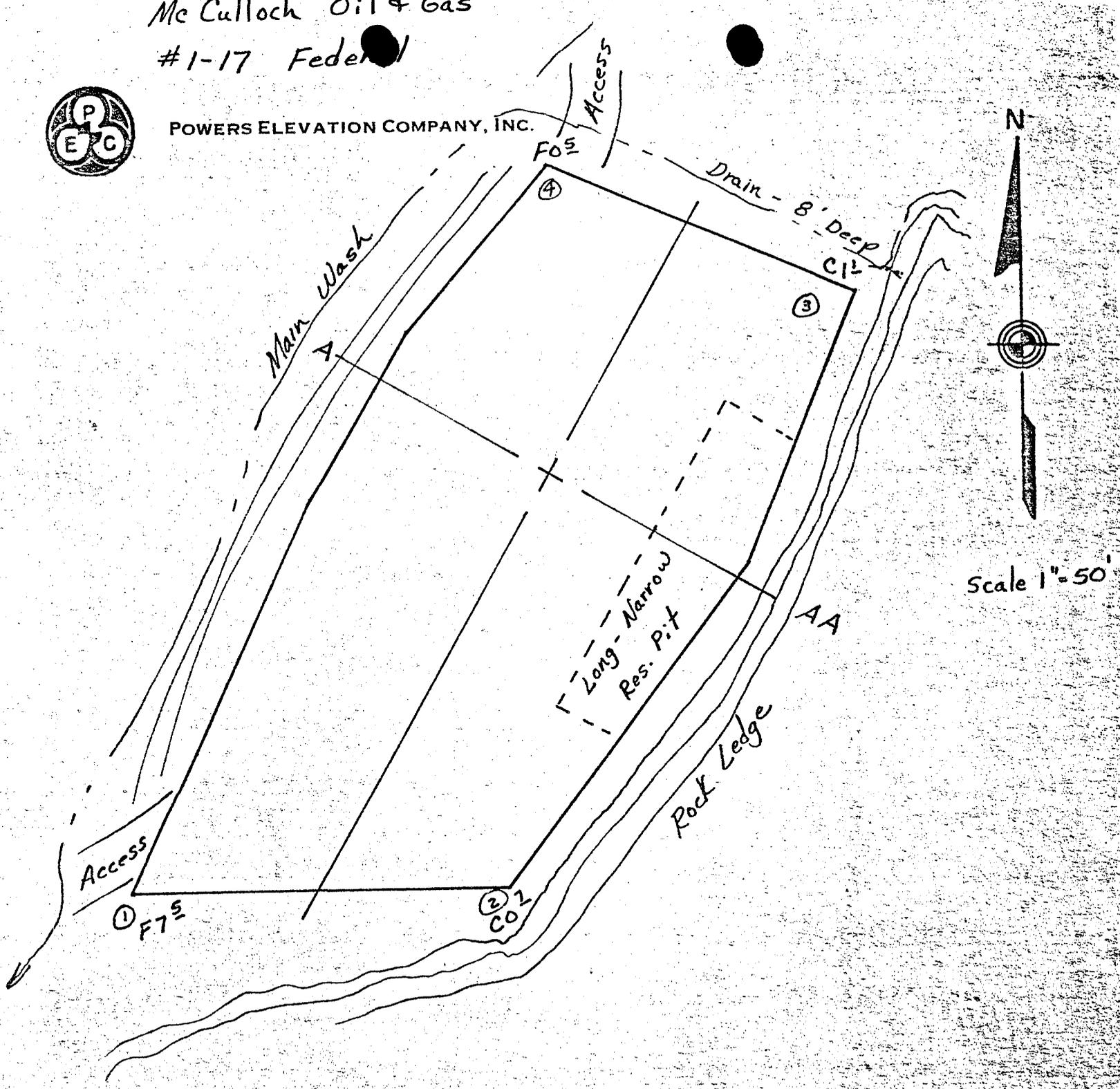

W.R. Lynn

Mc Culloch Oil & Gas

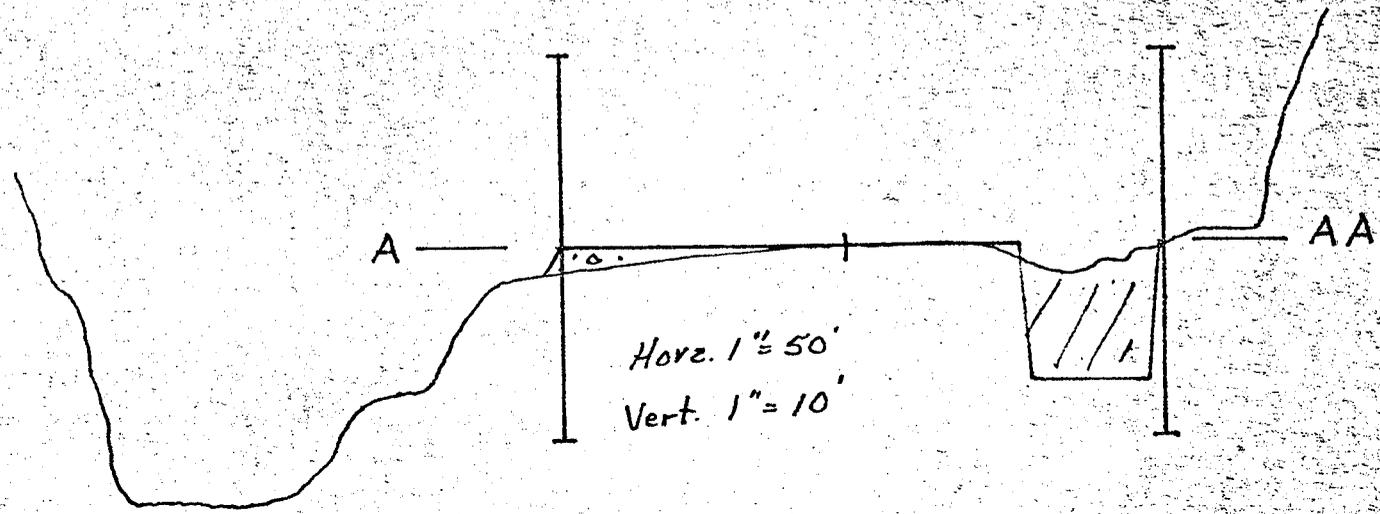
#1-17 Federal



POWERS ELEVATION COMPANY, INC.



Scale 1" = 50'



** FILE NOTATIONS **

DATE: Sept. 17, 1979

Operator: Mc Culloch Oil & Gas Corporation

Well No: Federal 17-1

Location: Sec. 17 T. 38S R. 26E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30501

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: CSG OK, BOP OK JMH

Director: _____

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 3ed

Plotted on Map

Approval Letter Written

btm

September 24, 1979

McCulloch Oil and Gas Corporation
3033 N.W. 63rd, Suite 250-E
Oklahoma City, OK 73116

Re: Well No. Federal 17-1, Sec. 17, T. 38S, R. 26E., San Juan County, Utah
Well No. Federal 20-1, Sec. 20, T. 38S, R. 26E., San Juan County, Utah
Well No. Federal 24-1, Sec. 24, T. 38S, R. 25E., San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells 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 these wells, you are hereby requested to immediately notify one of the following:

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 531-7827

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 numbers assigned to these wells are: Federal 17-1 - 43-037-80501; Federal 20-1 - 43-037-30502; Federal 24-1 - 43-037-30503.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Frank M. Hammer
Chief Petroleum Engineer

/b:tm

cc: USGS

April 14, 1980

McCulloch Oil & Gas Corp.
3033 N.W. 63rd
Suite 250-E
Oklahoma City, Oklahoma 73116

Re: Well No. Federal 17-1
Sec. 17, T. 38S, R. 26E.
San Juan County, Utah

Gentlemen:

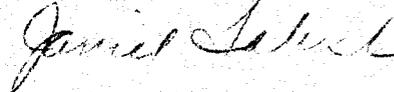
In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH
CLERK-TYPIST

McCulloch Oil and Gas Corporation



April 21, 1980

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

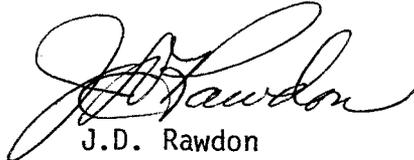
Attn: Janice Tabish

LOCATION ABANDON

Dear Ms. Tabish:

Reference is made to your letter of April 14, 1980, pertaining to the approval of our proposed Federal Well No. 1-17, T38S-R26E, San Juan County, Utah. Please be advised that McCulloch does not have any immediate plans to drill this well and you are requested to take the necessary action to terminate the application. Should we determine that drilling at this spot can be justified, we will resubmit our application at a later date.

Yours very truly,



J.D. Rawdon

JDR/dj

4

Federal Building
701 Camino del Rio
Durango, Colorado 81301

July 2, 1980

McCulloch Oil and Gas Corporation
3033 N. W. 63rd Street, Suite 250-E
Oklahoma City, Oklahoma 73116

*Location
abandoned*

Gentlemen:

By telephone June 30, 1980, Mr. J. D. Rawdon advised that the following wells on Federal oil and gas leases in San Juan County, Utah, would not be drilled:

<u>Well No.</u>	<u>Location</u>	<u>Lease No.</u>
1 Federal 17	MMNW 17-38S-26E	U-17064
3 Federal 19	NESE 19-38S-26E	U-40406

Applications for Permit to Drill had not been approved and access roads and well pads had not been constructed.

Applications for Permit to Drill are returned herewith. If at some later date you decide to drill at these locations, it will be necessary to file new applications.

Sincerely yours,

James F. Sims
Acting District Engineer

Enclosures

cc: BIM Monticello
Utah Div. Oil, Gas & Mining

RECEIVED
JUL 07 1980

DIVISION OF
OIL, GAS & MINING