

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT  abd.

9-7-78 - Location Abandoned; Well never drilled

DATE FILED 5-16-78

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-15058 \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: 5-16-78

SPUDED IN:

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 9-7-78 - L.A.

FIELD: Wildcat 3/96

UNIT:

COUNTY: San Juan

WELL NO. Federal 8-3

APT. NO: 43-037-30440

LOCATION 2020' FT. FROM ~~W~~ (S) LINE, 600' FT. FROM (E) ~~W~~ LINE. NE SE 1/4-1/4 SEC. 8

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR

38S 26E 8 McCULLOCH OIL CORP,

**FILE NOTATIONS**

Entered in NID File ..✓.....  
Location Map Pinned ..✓.....  
Card Indexed ..✓.....

Checked by Chief ..  
Approval Letter ..  
Disapproval Letter ..

**COMPLETION DATA:**

Date Well Completed ..  
TW..... TA.....  
CS..... PA.....

Location Inspected ..  
Bond released  
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.....

*See  
4-16-91*

**3 ECO-File**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
**U-15058**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Federal 8**

9. WELL NO.  
**3**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat-Desert Creek-Ismay**

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA  
**Sec. 8, T38S, R26E**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**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 Corporation**

3. ADDRESS OF OPERATOR  
**Ok. 73115  
Jamestown Office Park; 3033 N.W. 63rd; Suite 250; Oklahoma City.**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
**2020' FSL & 600' FEL**  
 At proposed prod. zone  
**SAME**

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 drig. unit line, if any)

16. NO. OF ACRES IN LEASE  
**960**

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  
**5980 D.C.**

20. ROTARY OR CABLE TOOLS  
**ROTARY**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5800**

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	9 5/8 (new)	36	400	225 sk.
7 7/8	5 1/2 (new)	15.5	5980	800 sk.

(See Attachments)



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 John Alexander TITLE AGENT DATE 4-18-78

(This space for Federal or State office use)

PERMIT NO. 43-037-30440 APPROVAL DATE

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

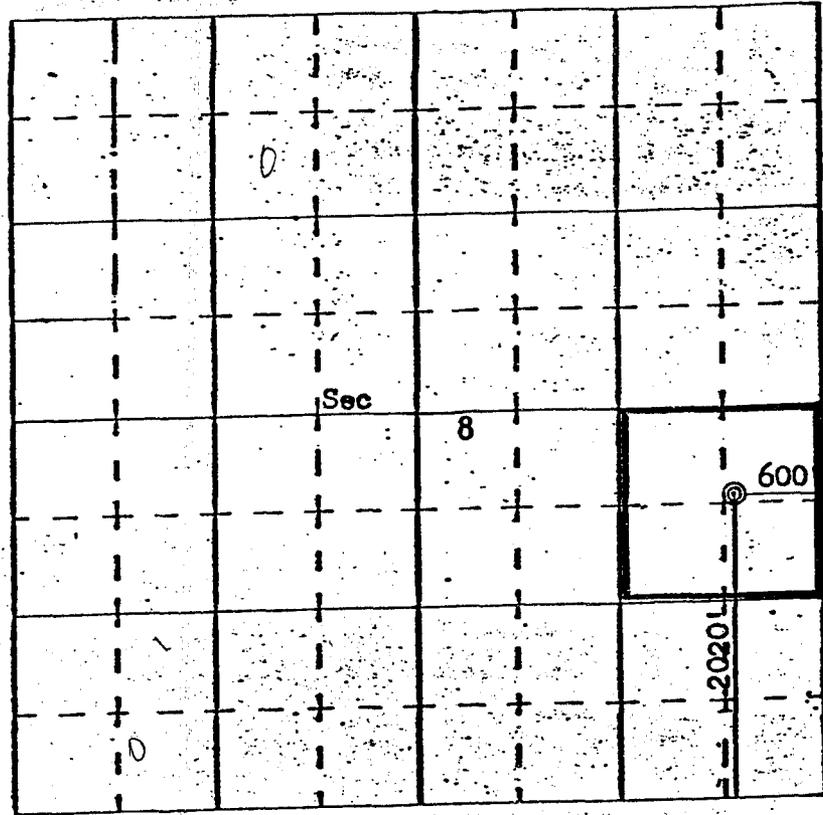
COMPANY McCULLOCH OIL CORPORATION

LEASE Federal 8 WELL NO. 3

SEC. 8, T. 38S, R. 26E  
San Juan County, UTAH

LOCATION 2020'FSL 600'FEL

ELEVATION 5800 ungraded Ground



SCALE—4 INCHES EQUALS 1 MILE.

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

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.  
Registered Land Surveyor

SEALS

#3950

SURVEYED March 28 1978

FARMINGTON, N. M.

1) Geologic name of surface formation.

Dakota Sand Stone

2) Estimated tops of important geologic markers.

Entrata 875'

Navajo 1043'

Wingate 1397'

Chinle 1675'

Shinarump 2555'

Monenkopi 2675'

Paradox 5440'

Upper Ismay 5600'

Desert Creek 5862'

Total Depth 5980'

3) Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected.

1043' water

5600' oil & gas

5862' oil & gas

4) Casing program.

Surface casing: 9 5/8", J-55, 36 lb/ft, new, to be set at 400' using 225 sacks Class "B" with 2% CaCl<sub>2</sub>.

Production casing: 5 1/2", J-55, 15.5 lb/ft, new to be set at 5980'. Cementing to be in two stages: 1st stage, 300 sk. Halliburton Light followed by 150 sk. Class "B" with 0.5% HR-7; 2nd stage, 350 sk. Halliburton Light.

5) Specifications for pressure control equipment.

The attached schematic drawing shows the type of blowout preventor to be

5) used while drilling. The unit will be tested to 800 psi prior to drilling from under surface by pressuring through casing valves with 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.

Depth	Type	Viscosity	Weight	Fluid loss
0-400'	Gel-Lime	35-40	8.6-9.0	N/C
400'-5600'	Low Solids	29-33	8.5-8.9	15 ML
5600'-5980'	Gel Chemical	35-45	9.0-9.5	8 ML

7) Auxiliary equipment.

a. bit float

b. full opening valve to be stabbed into drill pipe when kelly is not in the string

8) Logging - Coring - Testing Program.

Logging: Dual Induction Lateral Log, Borehole Compensated Sonic, Formation Compensated Density - Compensated Neutron Log, Gamma Ray, Caliper.

Coring: None planned.

Drill Stem Testing: None planned, but unexpected shows while drilling may warrant testing.

9) Abnormal Pressures, Temperatures or Potential Hazards.

No abnormal temperatures, pressures, or hazardous gasses are expected.

10) Starting date.

Anticipated starting date is June 8, 1978. Approximately 25 days will be needed to build roads and location and drill well to total depth. If commercial, completion will commence immediately and require approximately 15 days.

McCulloch Oil Corporation  
Formation Information and Drilling Procedures

WELL:

Federal 8 No. 3

LOCATION:

2020' FSL & 600' FWL  
Sec. 8, T38S, R26E  
San Juan County, Utah

FEDERAL LEASE NUMBER:

U-15058



SHAFFER HYDRAULIC BLOWOUT PREVENTERS

(Patented)

TYPE LWS PREVENTERS—8", 3000 lb. & 5000 lb.—10", 5000 lb.  
12", 3000 lb.—13 5/8", 5000 lb.—16", 3000 lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS

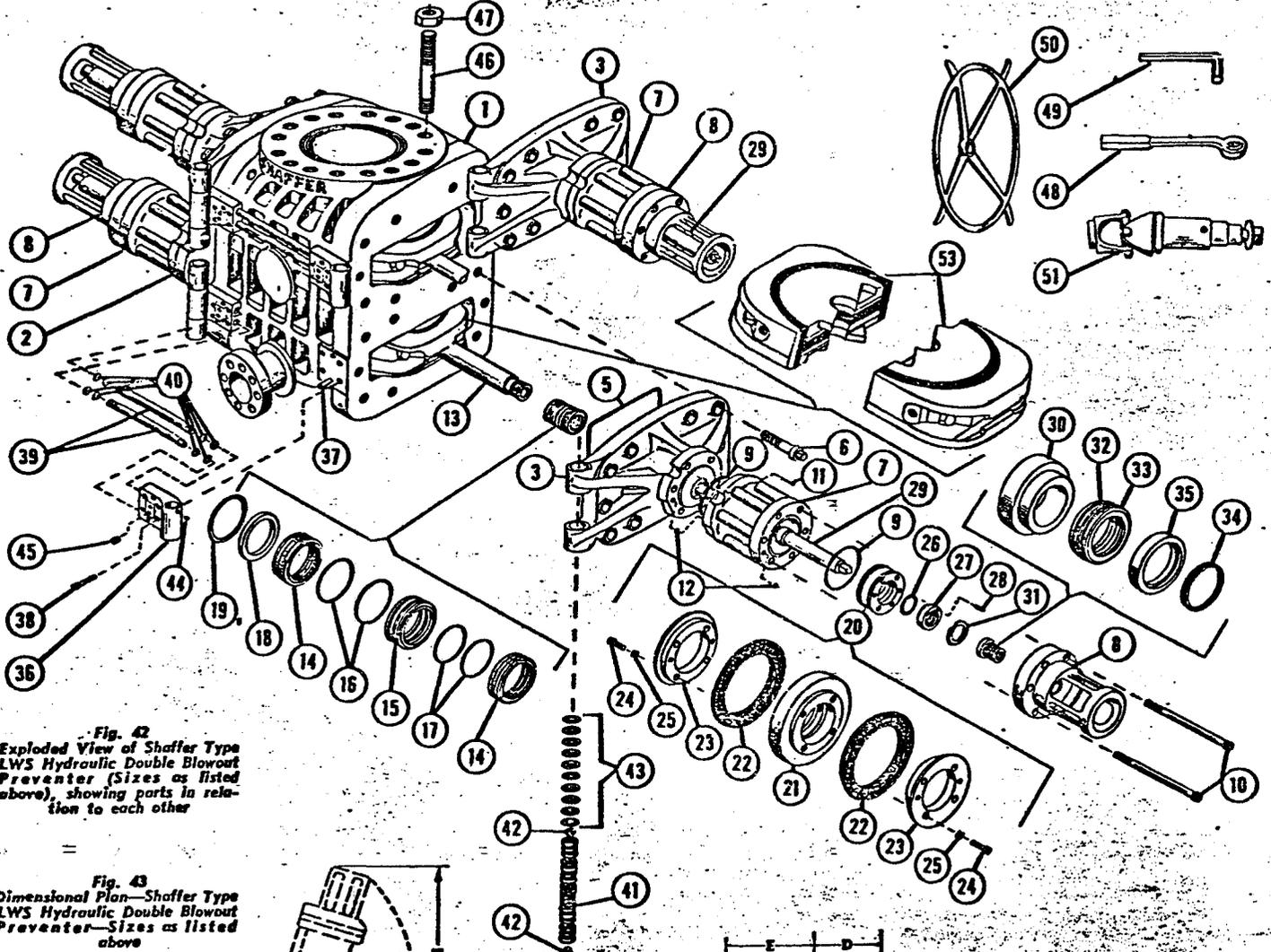


Fig. 42  
Exploded View of Shaffer Type LWS Hydraulic Double Blowout Preventer (Sizes as listed above), showing parts in relation to each other

Fig. 43  
Dimensional Plan—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

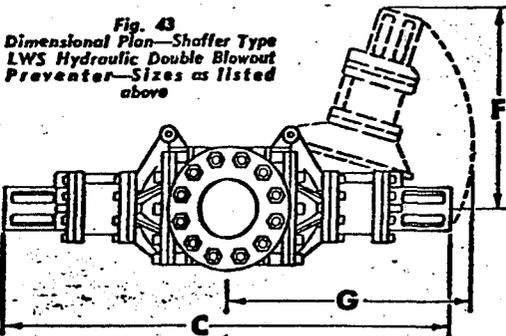
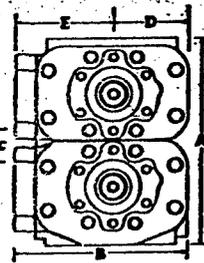


Fig. 44  
Dimensional End Elevation—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above



STANDARD ACCESSORIES

- (50) 4 Hand Wheels
- (48) 1 Door Wrench
- (49) 1 Cylinder & Cylinder Head Wrench
- (51) 4 Universal Joints

DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS  
Refer to Figs. 43 and 44

Size	Max. Service Press. Rating psi	Test Press. psi	Vertical Bore	Max. Ram Size	Approx. Weight Lbs.		Height				B	C	D	E	F	G	U.S. Gals. Fluid To Close Rams	U.S. Gals. Fluid To Open Rams		
					Studded Flange		Single		Double											
					Single	Double	Studded Flange	Bolted Flange	Studded Flange	Bolted Flange									Width	Length
8"	2,000	5,000	8"	7"	.....	3,900	.....	.....	29 1/2"	41 1/2"	25 1/2"	79 1/2"	11 1/2"	14 1/2"	22"	48"	5.5 to 1	1.89 to 1	2.75	2.3
8"	5,000	10,000	8"	7"	.....	3,900	.....	.....	29 1/2"	41 1/2"	25 1/2"	79 1/2"	11 1/2"	14 1/2"	22"	48"	5.5 to 1	1.89 to 1	2.75	2.3
10"	5,000	10,000	11"	8 1/2"	5,500	7,000	34 1/2"	24 1/2"	33"	45 1/2"	26 1/2"	79 1/2"	11 1/2"	14 1/2"	22"	48"	5.5 to 1	1.5 to 1	2.25	2.7
12"	3,000	6,000	12 1/2"	10 1/2"	.....	6,300	.....	.....	34 1/2"	47 1/2"	31 1/2"	89 1/2"	12 1/2"	18 1/2"	27"	52"	5.5 to 1	1.89 to 1	2.55	2.9
12 5/8"	5,000	10,000	12 5/8"	10 1/2"	6,500	9,700	36 1/2"	26 1/2"	38"	49 1/2"	23 1/2"	92 1/2"	14 1/2"	18 1/2"	41"	54"	5.5 to 1	1.5 to 1	2.55	2.9
16"	2,000	6,000	16 1/2"	12 1/2"	.....	8,500	.....	.....	38"	51"	25 1/2"	106 1/2"	16 1/2"	20 1/2"	32"	60"	5.5 to 1	1.89 to 1	2.6	3.2

McCulloch Oil Corporation

Development plan for Surface Use

WELL:

Federal 8 No. 3

LOCATION:

2020' FSL & 600' FWL  
Sec. 8, T38S, R26E  
San Juan County, Utah

FEDERAL LEASE NUMBER:

U-15058

1) Existing roads. (Shown in green)

The attached topographic map shows all existing roads within three miles of the proposed location. The access road will join a county road to the east that leads to Dove Creek, Colorado. The proposed new access road is shown in red.

The existing roads should bear normal drilling operation traffic, and will not have to be upgraded.

2) Planned access road. (Shown in red)

The new access road will be approximately 1 ¼ miles long and 20' wide. Terrain is relatively flat except for one gully that will require a culvert. No cuts or fills will be required. Water bars will be used to aid drainage and help prevent erosion. Maximum grade will be 9%. No turnouts will be required. No surfacing material will be required. No gates, cattle guards or fences will be crossed.

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 Dove Creek, Colorado, approximately 23 miles to the east. Water is privately owned.

6) Source of construction materials.

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

7) Methods 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 burnpit 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.

7) 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.

General topography of the area may be seen on the attached map. This location is on the edge of Squaw Point at a place where the point falls away rapidly to the west into Squaw Canyon, and is level to the east. Cut and fill required are shown on the Drill Site Layout. The ground is sandy and covered with Cedar trees, sage brush and native grasses. There was evidence of deer and small animal life.

The Bureau of Land Management is the surface agency.

There are no occupied dwellings in the area.

There were no archaeological or cultural sites visible on the location. The archaeologist report is forthcoming.

12)

John Alexander  
3E Company, Inc.  
P.O. Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

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 Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

4-19-78

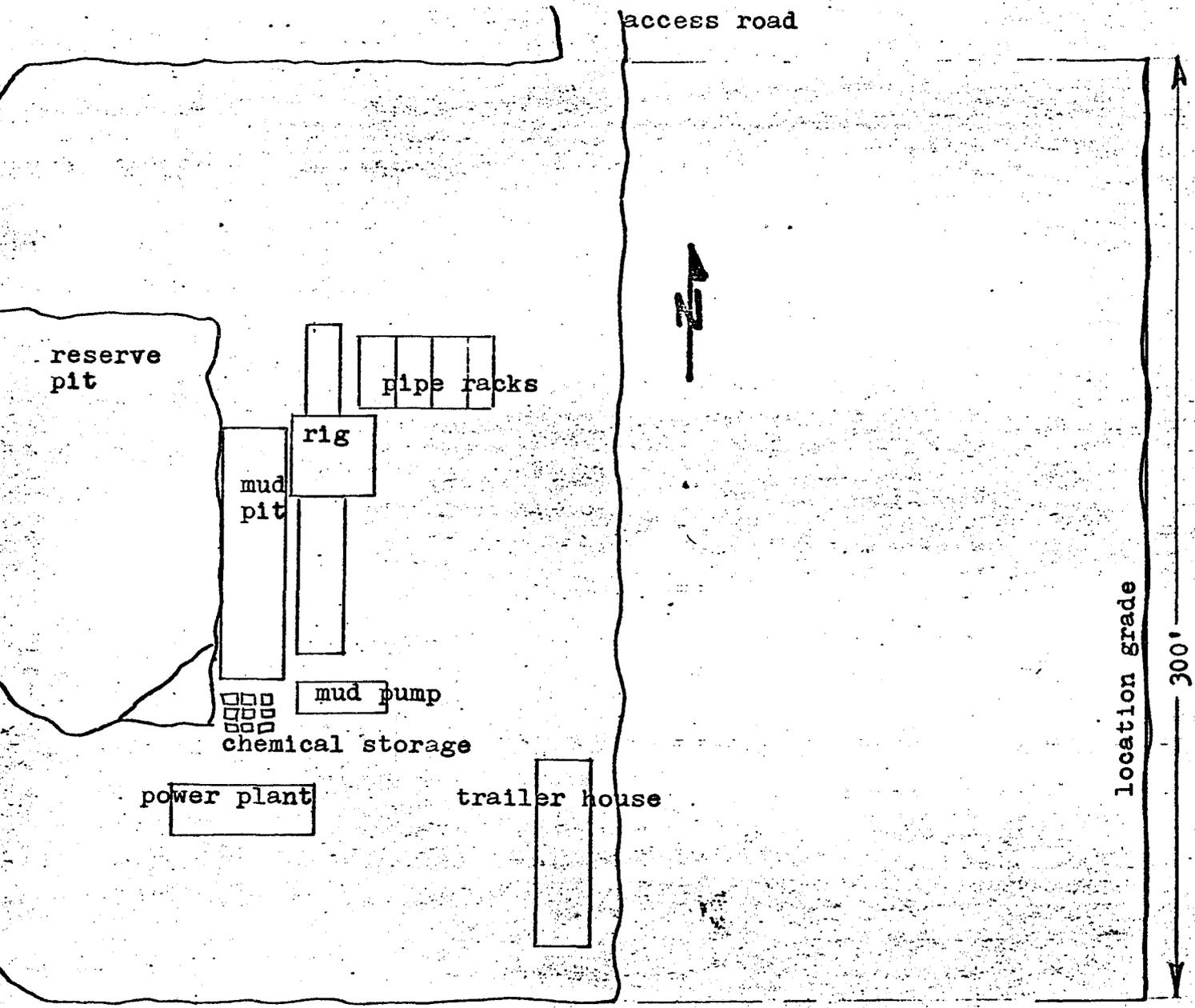
John Alexander  
John Alexander

Should further information be desired, please advise.

Yours very truly,

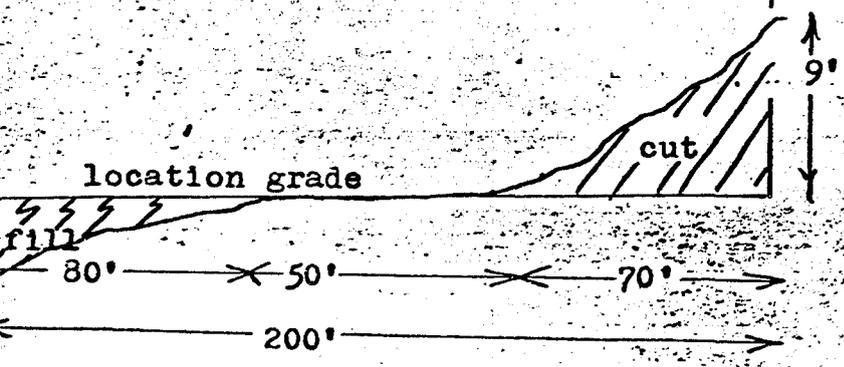
John Alexander  
John Alexander

JA:dew



horizontal scale: 1" = 50'

verticle scale: 1" = 10'



WELL SITE LAYOUT  
 McCullough Oil Corp.  
 Federal 8 # 3



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

\*\* FILE NOTATIONS \*\*

Date: May 15 -  
Operator: McClure Corp.  
Well No: Fed. 8-3  
Location: Sec. 8 T. 38N R. 26E County: San Juan

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

API NUMBER: 43-037-30440

CHECKED BY:

Administrative Assistant [Signature]  
Remarks: OK  
Petroleum Engineer [Signature]  
Remarks: OK  
Director [Signature]  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No.  Surface Casing Change   
to

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

O.K. Rule C-3  O.K. In  Unit

Other:

Letter Written/Approved

May 17, 1978

McCulloch Oil Corporation  
Jamestown Office Park  
3033 N.W. 63rd  
Suite 250  
Oklahoma City, Oklahoma 73115

Re: Well No's:  
Federal 7-1,  
Sec. 7, T. 38 S, R. 26 E,  
Federal 8-3,  
Sec. 8, T. 38 S, R. 26 E,  
State 16-1,  
Sec. 16, T. 38 S, R. 26 E,  
San Juan County, Utah

Gentlemen:

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

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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.

McCulloch Oil Corporation  
May 17, 1978  
Page Two

The API numbers assigned to these wells are:

#7-1: 43-037-30437

#8-3: 43-037-30440

#16-1: 43-037-30441.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey  
Division of State Lands



Federal Building  
701 Camino del Rio  
Durango, Colorado 81301

September 7, 1978

MCulloch Oil Corporation  
Jamestown Office Park, Suite 250  
3033 63rd NW Street  
Oklahoma City, OK 73116



Gentlemen:

Reference is made to your letters of August 4, 1978, and subsequent telephone conversation discussing cancellation of Applications for Permit to Drill two wells located in sec. 8, T. 38 S., R. 26 E., SLM, San Juan County, Utah, on Federal oil and gas lease U-15058.

Application for Permit to Drill well No. 2 Federal 8, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, and well No. 3 Federal 8, located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, have not been approved. No construction of well pads and access roads commenced.

Applications for Permit to Drill these two wells are cancelled this date and is returned herewith. If at some later date you decide to drill these wells, it will be necessary to file new applications.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK

Carl A. Barrick  
Acting District Engineer

cc: BLM, Monticello  
Utah State Division Oil, Gas, & Mining