

UTAH DIVISION OF OIL, GAS AND MINING

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

9-07-78- Location Abandoned; Well never drilled

DATE FILED 5-16-78

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-7088 _____ INDIAN _____

DRILLING APPROVED: 5-16-78

SPOUDED IN:

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 9-07-78- L.A.

FIELD: Wildcat 3/86

UNIT:

COUNTY: San Juan

WELL NO. Federal 7-1

API NO: 43-037-30437

LOCATION 750' FT. FROM (N) ~~XX~~ LINE. 2130' FT. FROM (E) ~~XX~~ LINE. NW NE 1/4-1/4 SEC. 7

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
38S	26E	7	McCULLOCH OIL CORPORATION				

FILE NOTATIONS

Entered in NID File✓.....	Checked by Chief
Location Map Pinned✓.....	Approval Letter
Card Indexed✓.....	Disapproval Letter

COMPLETION DATA:

Date Well Completed	Location Inspected
OW..... WW..... TA.....	Bond released
GW..... 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.....		

See
4-16-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECO. FILE

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
 Jamestown Office Park; 3033 N.W. 63rd; Suite 250; Oklahoma City, Ok 73115

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 750' FNL & 2130' FEL
 At proposed prod. zone *none*

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 1600
 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. 6000
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5819 G.L.
 22. APPROX. DATE WORK WILL START*
 June 21, 1978

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	36	400'	225 sk.
7 7/8	5 1/2	15.5	6000'	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 4-19-78

(This space for Federal or State office use)

PERMIT NO. 43-037-30437 APPROVAL DATE

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
 U-7088
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Federal 7
 9. WELL NO.
 1
 FIELD AND POOL, OR WILDCAT
 Wildcat-Desert Creek, Ismay
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 7-T38S-R26E
 12. COUNTY OR PARISH
 San Juan
 13. STATE
 Utah

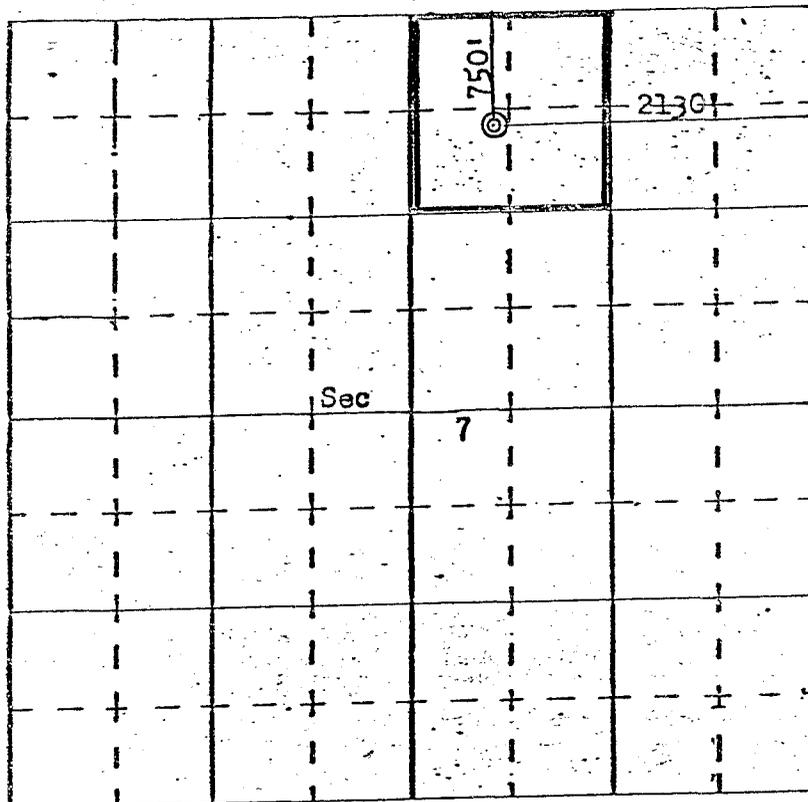
COMPANY McCULLOCH OIL CORPORATION

LEASE Federal 7 WELL NO. 1

SEC. 7, T. 38S, R. 26E
San Juan County, Utah

LOCATION 750'FNL 2130'FEL

ELEVATION 5819 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

SEAL:

#3950

SURVEYED April 1 19 78

FARMINGTON, N. M.

McCulloch Oil Corporation
Development Plan for Surface Use

WELL:

Federal 7 No. 1

LOCATION:

750' FNL & 2130' FEL
Sec. 7, T38S, R26E

San Juan Co., Utah

LEASE NUMBER:

U-7088

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 about 2 miles long and 20' wide. The area is relatively flat and no cut or fill should be needed. No turnouts or culverts will be needed. Water bars will be used to aid drainage and prevent erosion. Maximum grade will be about 5%. No fences, gates or cattle guards will be crossed.

3) Location of existing wells.

All wells (water, 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 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

- 7) 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 re-seeded 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. The location is on a flat area at the point of Tin Cup Mesa, overlooking Squaw Canyon. The area is sandy and covered with Cedar trees, sage brush and native grasses. There is evidence of deer and small animal life in the area.

The Bureau of Land Management is the surface agency.

There are no occupied dwellings in the area.

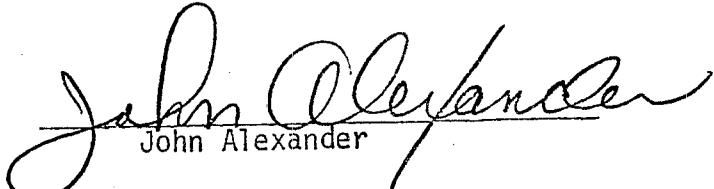
There were no archaeological or cultural sites visible on the location. The archaeologist's report is forthcoming.

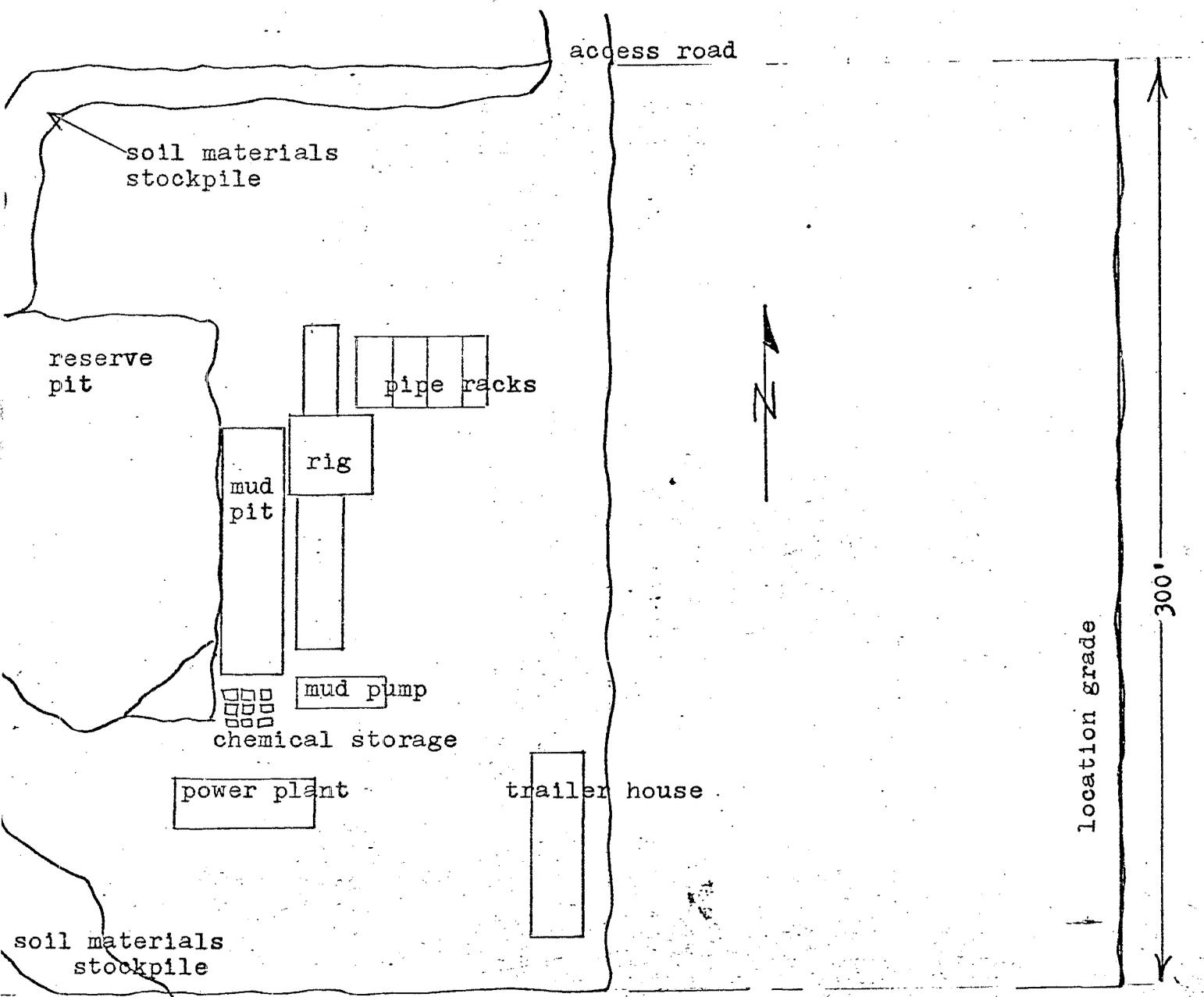
12)

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.

4-30-78


John Alexander



horozontal scale 1"=50'

verticle scale: 1"=10'

WELL SITE LAYOUT
 McCullough Oil Corp.
 Federal 7 # 1

location grade

200'

McCulloch Oil Corporation
Formation Information and Drilling Procedures

WELL:

Federal 7 No. 1

LOCATION:

750' FNL & 2130' FEL
Sec. 7, T38S, R26E
San Juan Co., Utah

FEDERAL LEASE NUMBER:

U-7088

1) Geologic name of surface formation.

Dakota Sand Stone

2) Estimated tops of important geologic markers.

Entrata 895'

Navajo 1063'

Wingate 1417'

Chinle 1695'

Shinarump 2575'

Monenkopi 2695'

Paradox 5460'

Upper Ismay 5620'

Desert Creek 5882'

Total Depth 6000'

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

1063' water

5620' oil & gas

5882' 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% CaCl₂.

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'-6000'	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 21, 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.



SHAFFER TOOL WORKS

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

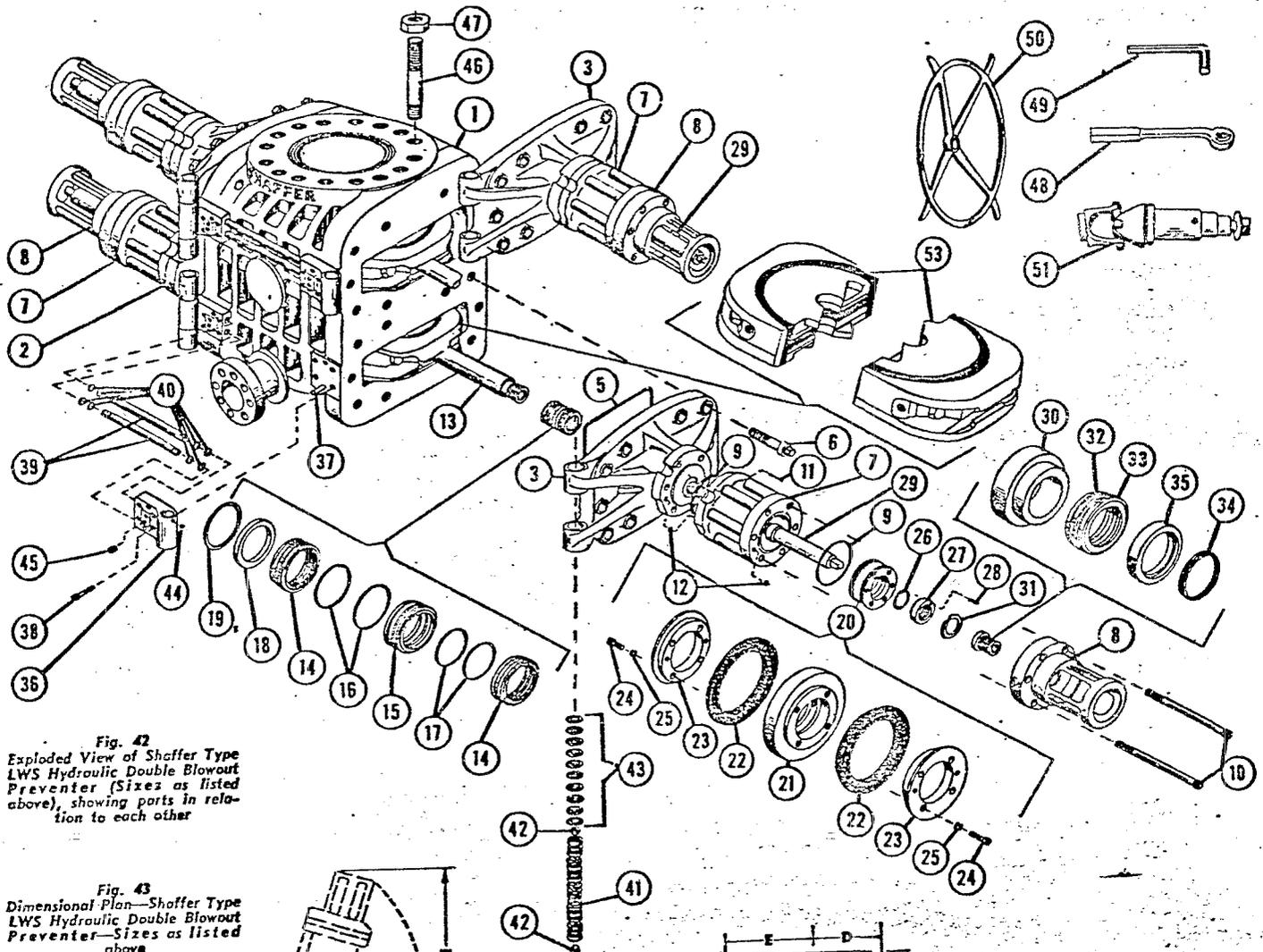


Fig. 42
Exploded View of Shaffer Type LWS Hydraulic Double Blowout Preventer (Sizes as listed above), showing parts in relation to each other

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

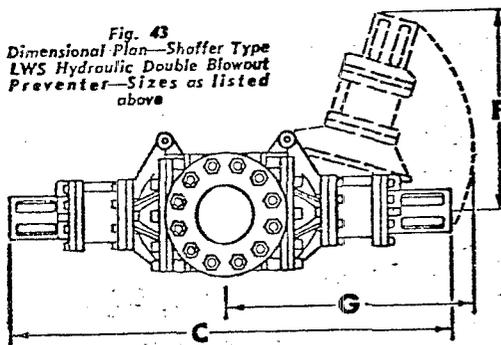
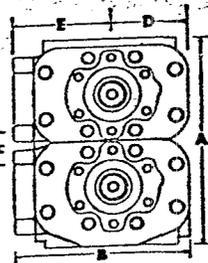


Fig. 44
Dimensional End Elevation—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

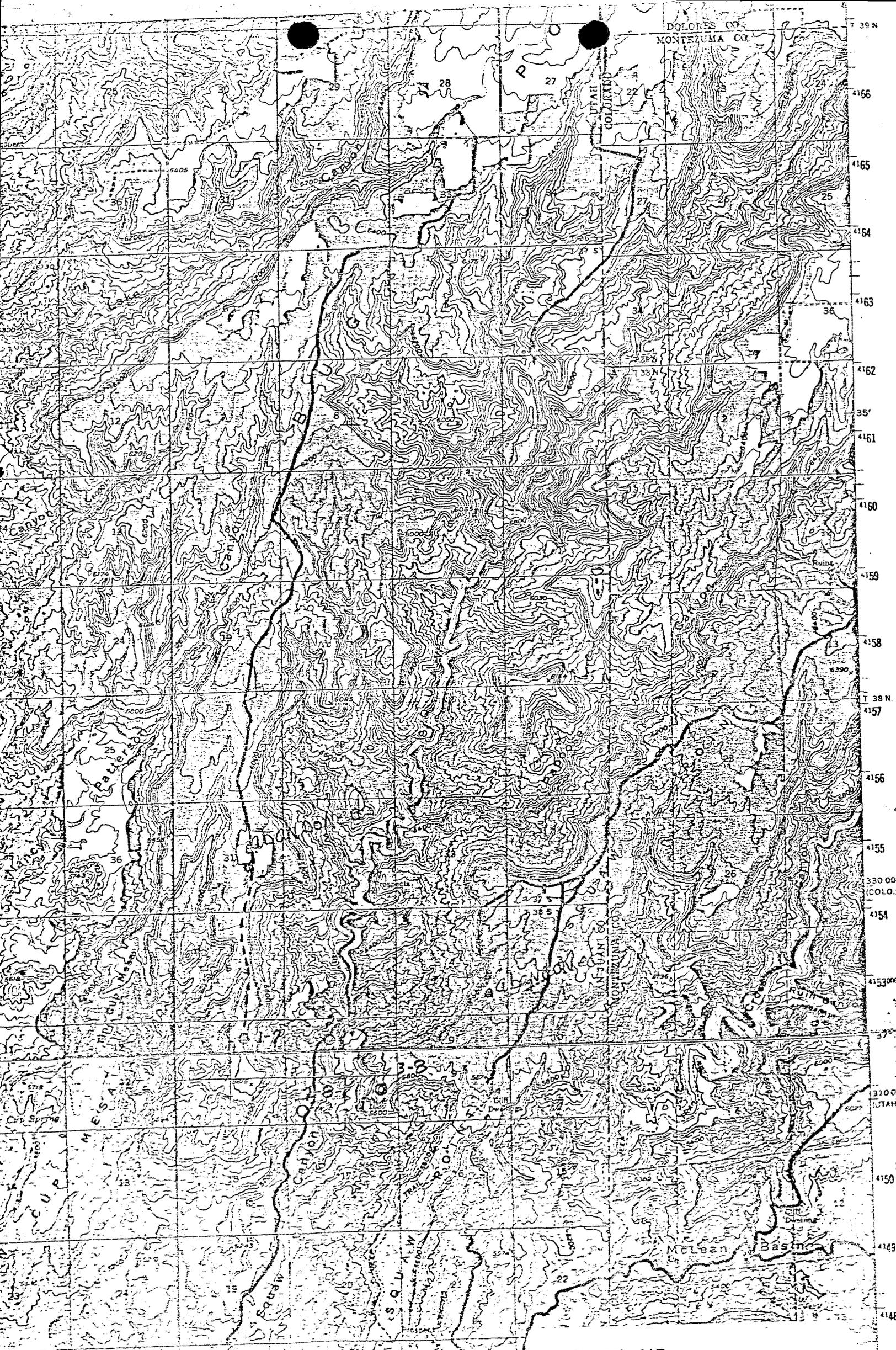


STANDARD ACCESSORIES

- (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.		A				B	C	D	E	F	G	U.S. Gals. Fluid To Close Rams	U.S. Gals. Fluid To Open Rams				
					Studded Flange		Height		Center To Front	Center To Rear									Door Open To Close Rams	Door Open To Close Rams	Closing Ratio	Opening Ratio
					Single	Double	Studded Flange	Bolted Flange														
8"	2,000	6,000	9"	7"	---	3,900	---	---	28 1/2"	41 1/2"	23 1/2"	79 1/2"	113 1/2"	145 1/2"	23"	46"	5.6 to 1	1.89 to 1	2.75	2.2		
8"	5,000	10,000	9"	7"	---	3,900	---	---	29 1/2"	45 1/2"	25 1/2"	79 1/2"	113 1/2"	145 1/2"	23"	46"	5.6 to 1	1.89 to 1	2.75	2.2		
10"	3,000	10,000	11"	8 3/4"	5,500	7,000	34 3/4"	34 3/4"	23"	50 1/2"	28 1/2"	89 1/2"	125 1/2"	161"	27"	54"	5.5 to 1	1.5 to 1	3.25	2.7		
12"	3,000	6,000	12 3/4"	10 1/2"	6,300	---	---	---	24 1/2"	47 1/2"	31 1/2"	92 1/2"	125 1/2"	161"	27"	54"	5.5 to 1	1.89 to 1	3.55	2.9		
12 5/8"	1,000	10,000	13 1/2"	10 3/4"	6,500	9,700	36 1/2"	36 1/2"	24"	49 1/2"	33 1/2"	92 1/2"	145 1/2"	187 1/2"	41"	54"	5.5 to 1	1.5 to 1	3.55	2.9		
16"	3,000	6,000	16 1/2"	13 1/4"	---	8,500	---	---	35"	51"	55 1/2"	106 1/2"	161"	20 1/2"	22"	60"	5.5 to 1	1.89 to 1	2.6	2.2		



VICINITY MAP
McCullough Oil Corp.
Federal 7#1
750' PNL & 2130' FEL
s7-T388-R26E
San Juan Co., Utah

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: May 15-
Operator: McCulloch Corp.
Well No.: Sec. 7-1
Location: Sec. 7 T. 38S R. 26E County: San Juan

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

API NUMBER: 43-037-30437

CHECKED BY:

Administrative Assistant [Signature]

Remarks: OK

Petroleum Engineer [Signature]

Remarks:

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

location

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

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



Gentlemen:

Reference is made to your letter of August 4, 1978, and subsequent telephone conversation discussing cancellation of Application for Permit to Drill well No. 1 Federal 7 located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 38 S., R. 26 E., SLM, San Juan County, Utah, on Federal oil and gas lease U-7088.

Application for Permit to Drill has not been approved. No construction of well pad and access road commenced.

Application for Permit to Drill is cancelled this date and is returned herewith. If at some later date you decide to drill this well, it will be necessary to file a new application.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK

Carl A. Barrick
Acting District Engineer

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