

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 ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MESA PETROLEUM CO.

3. ADDRESS OF OPERATOR

1660 Lincoln, 2800 Lincoln Center, Denver, Colo. 80264

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

1660'/S & 2310'/W

K 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 drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1080

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

5800

20. ROTARY OR CABLE TOOLS

ROTARY

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

6883 GL

22. APPROX. DATE WORK WILL START*

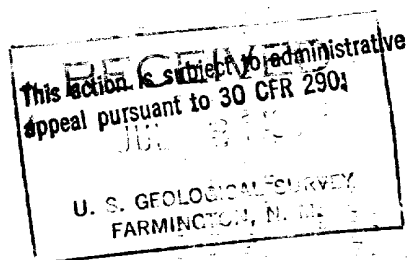
July 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
1 2 1/4	8 5/8	24	250	250 sks
7 7/8	5 1/2	15.5	5800'	950 sks

(SEE ATTACHMENTS)

GAS UNDER THIS LEASE IS NOT DEDICATED TO A CONTRACT.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

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

June 30, 1980

(This space for Federal Office use)

PERMIT NO.

AS AMENDED

APPROVAL DATE

APPROVED BY

AUG 07 1980

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

For JAMES F. SMS
DISTRICT ENGINEER*ak Bue*

NMOCG

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

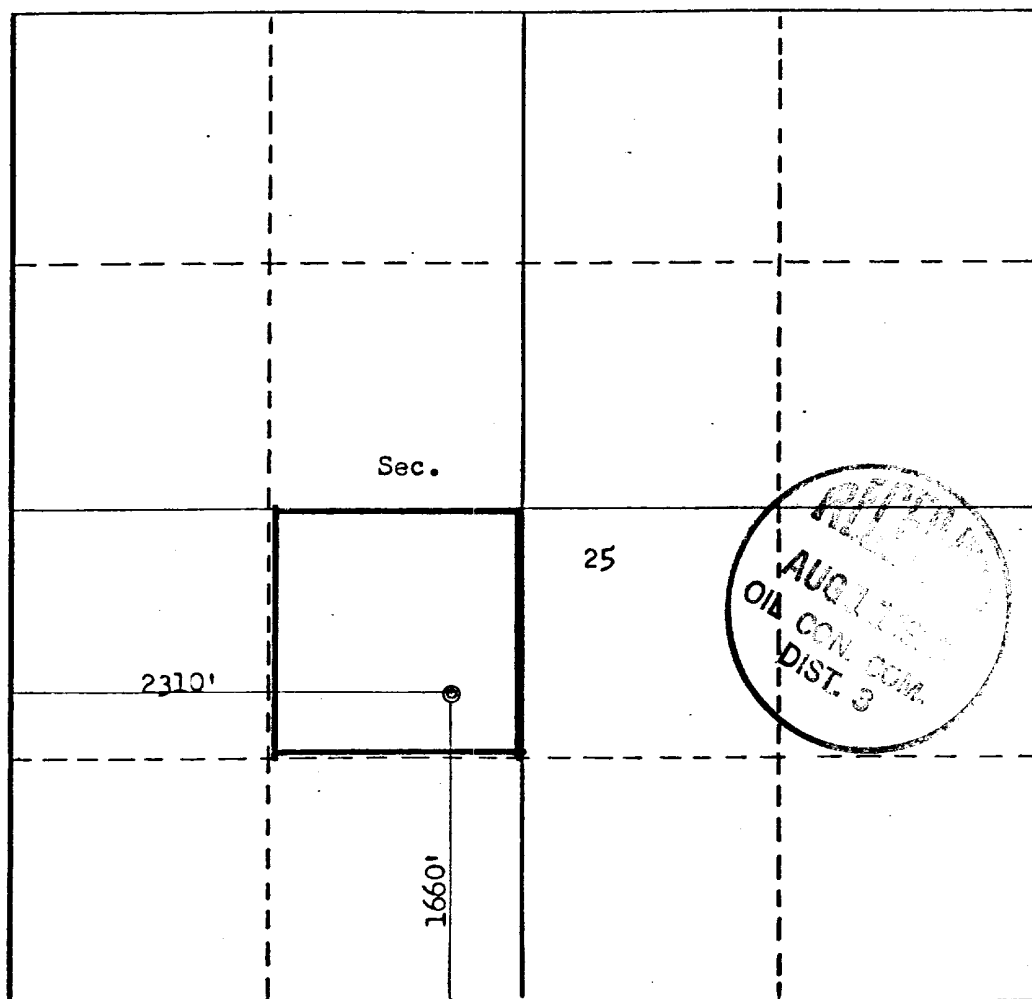
Operator MESA PETROLEUM COMPANY			Lease <i>South Blance</i> FEDERAL 25		Well No. 1
Unit Letter K	Section 25	Township 24N	Range 8W	County San Juan	
Actual Footage Location of Well:- 1660 feet from the South line and 2310 feet from the West line					
Ground Level Elev. 6883	Producing Formation GALLUP		Pool LYBROOK GALLUP EXTENSION		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

John Alexander
Name

JOHN ALEXANDER

Position
AGENT

Company
MESA PETROLEUM

Date
June 27, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 19, 1980
Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.
3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

FORMATION INFORMATION AND DRILLING PRACTICES

MESA PETROLEUM

WELL: SOUTH BLANCO 25 No.1
LOCATION: 1660'/S & 2310'/W
Section 25-T24N -R8W

San Juan Co., N.M.

LEASE NO. NM 12233

1. Surface Formation

Nacimiento

2. Estimated Formation Tops

Kirtland	1460'	Point Lookout	4320'
Fruitland	1900'	Mancos	4575'
Cliffhouse	3520'	Gallup	5360'

3. Estimated Depth of Anticipated Water, Oil, Gas or Minerals

5360 oil

4. Proposed Casing Program

0-250' 8 5/8", 54#, K-55 new casing. Cement to be 250 sks class "B" & 2% CaCl₂
250-5800' 5 1/2", 15.5# K-55 new casing - first stage 200 sks Halliburton light followed by 150 sks class "B" w/ 2% gel. Second stage 600 sks Halliburton light w/ 6 1/4# Gilsonite/sk. Stage tool to be below Chacra.

5. Pressure Control Equipment - Blowout Preventer

The attached schematic shows the type of blowout preventer to be used while drilling. The unit will be tested to 1000 psi prior to drilling from under surface pipe by pressuring through casing valves with blind ram 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	Vis	Weight	Fluid Loss
0-250	gel-lime	35-45	8.6-9.0	N/L
250-5750	low-solids	30-40	8.6-11.5	10

7. Auxiliary Equipment

- a. bit float
- b. stabbing valve to be used in drillpipe when kelly is not connected

8. Logging-Coring and Testing Program

Logging - Open hole - IES, FDC, GR, Caliper
Testing - None planned
Coring - None planned

9. Abnormal Temperatures, Pressures or Potential Hazards

There may be abnormal gas pressure in the Fruitland zone. A rotating head and careful mud control should negate this danger.

10. Starting Date

Anticipated starting date is July 20, 1980. Approximately 10 days will be needed to build roads and location and drill the well to total depth. Completion will commence immediately and require approximately 20 days.

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

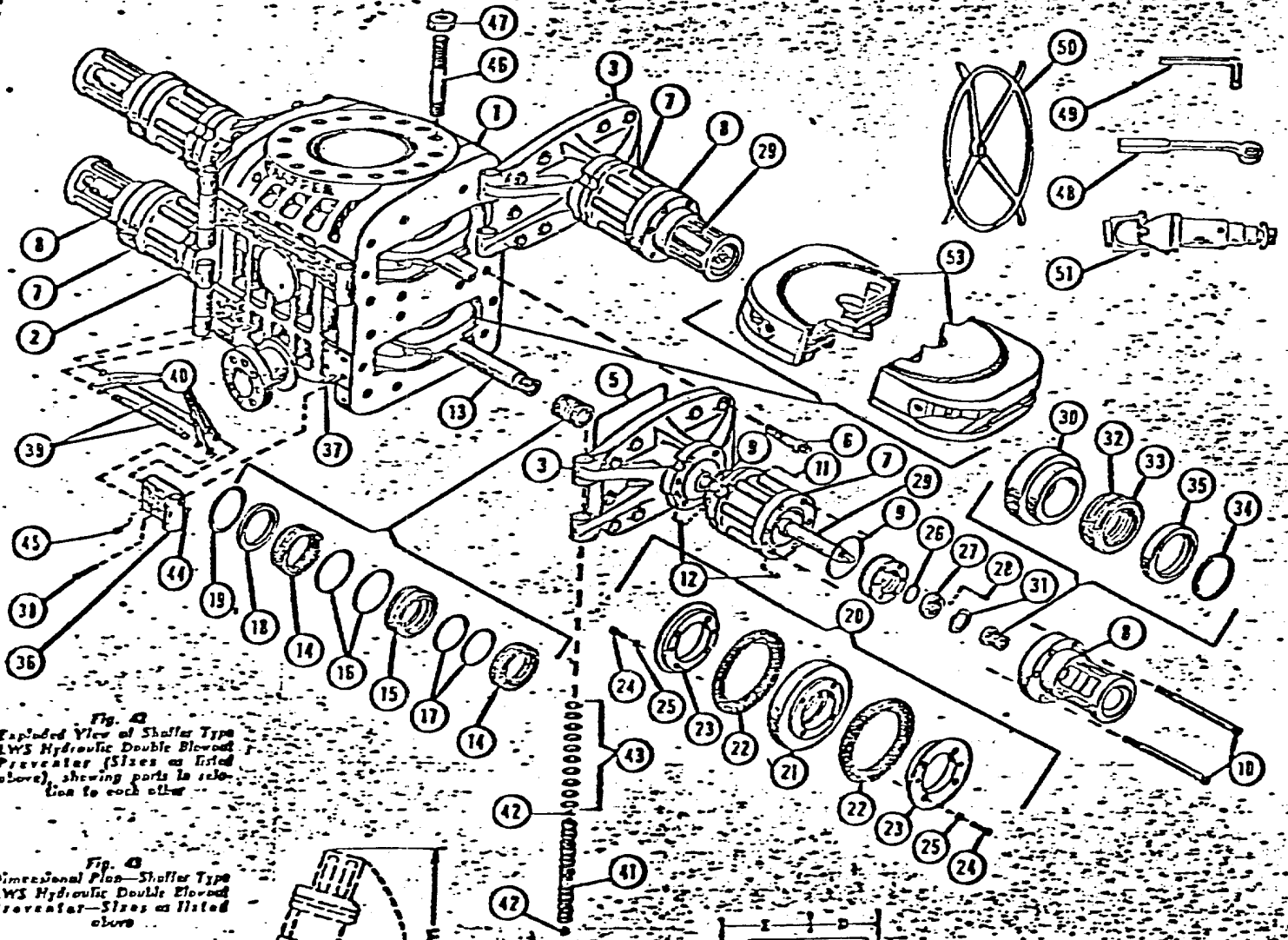


Fig. 43
Exploded View of Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above, showing parts in relation to each other

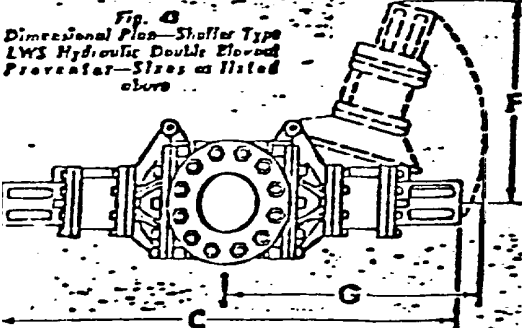


Fig. 44
Dimensional Plan—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

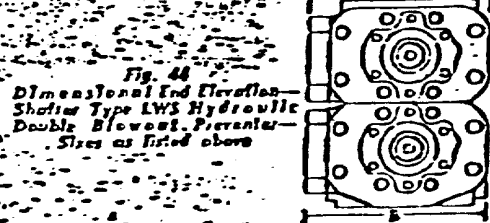


Fig. 45
Dimensional End Elevation—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

- STANDARD ACCESSORIES
- (50) 4 Hand Wheels
 - (48) 1 Door Wrench
 - (49) 3 Cylinder & Cylinder Head Wrench
 - (51) 4 Universal Joints

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

No.	Size	T	W	H	Approx. Weight Lbs.	A				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z																																																																	
						FLANGE																																																																																													
						Single		Double																																																																																											
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

SURFACE DEVELOPMENT PLAN

MESA PETROLEUM

SOUTH BLANCO 25 NO. 1

1660'/S & 2310'/W

25-24N-8W

San Juan Co., N.M.

LEASE NO. NM 12233

1. Existing Roads (Shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join State Hwy. 44 as indicated. 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 3/4 mile long and 20' wide. No turnouts will be needed. Water bars will be used to aid drainage and prevent erosion, maximum grade will be about 10%. This road follows an existing trail.

3. Location of Existing Wells

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

4. Location of Tank Batteries, Prod. Facilities, & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. Mesa operates no other facilities in the area.

5. Location and Type of Water Supply

Water for drilling will be trucked from the Chapman's waterhole approximately 1 mile to the south. 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, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities

No ancillary facilities are planned.

10. Well Site Layout

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

11. Plans for Restoration of Surface

Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. 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 drillsite and road will have any top soil replaced and will be reseeded when germination of seeds can take place.

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.

12. Other Information

The location lies on a gentle southwesterly sloping hill. The area is rugged and covered by native grasses and bushes. There are no occupied dwellings on the location.

The surface is federally owned. No artifacts or cultural sites were noticed.

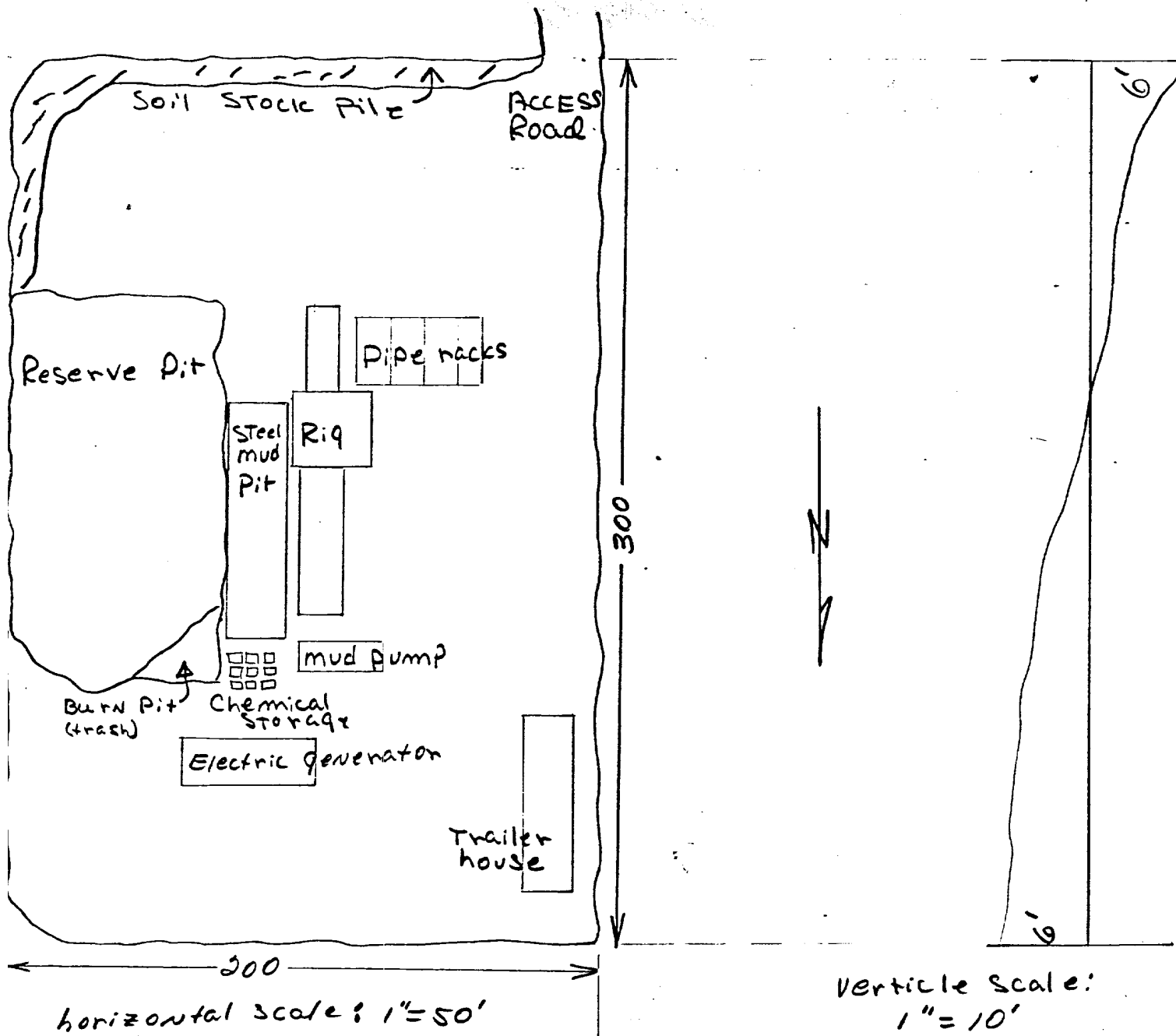
13. JOHN ALEXANDER - 3E Company, Inc.
P.O. Box 190
Farmington, NM 87401
Phone: 505-327-4020

14. 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 Mesa Petroleum Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

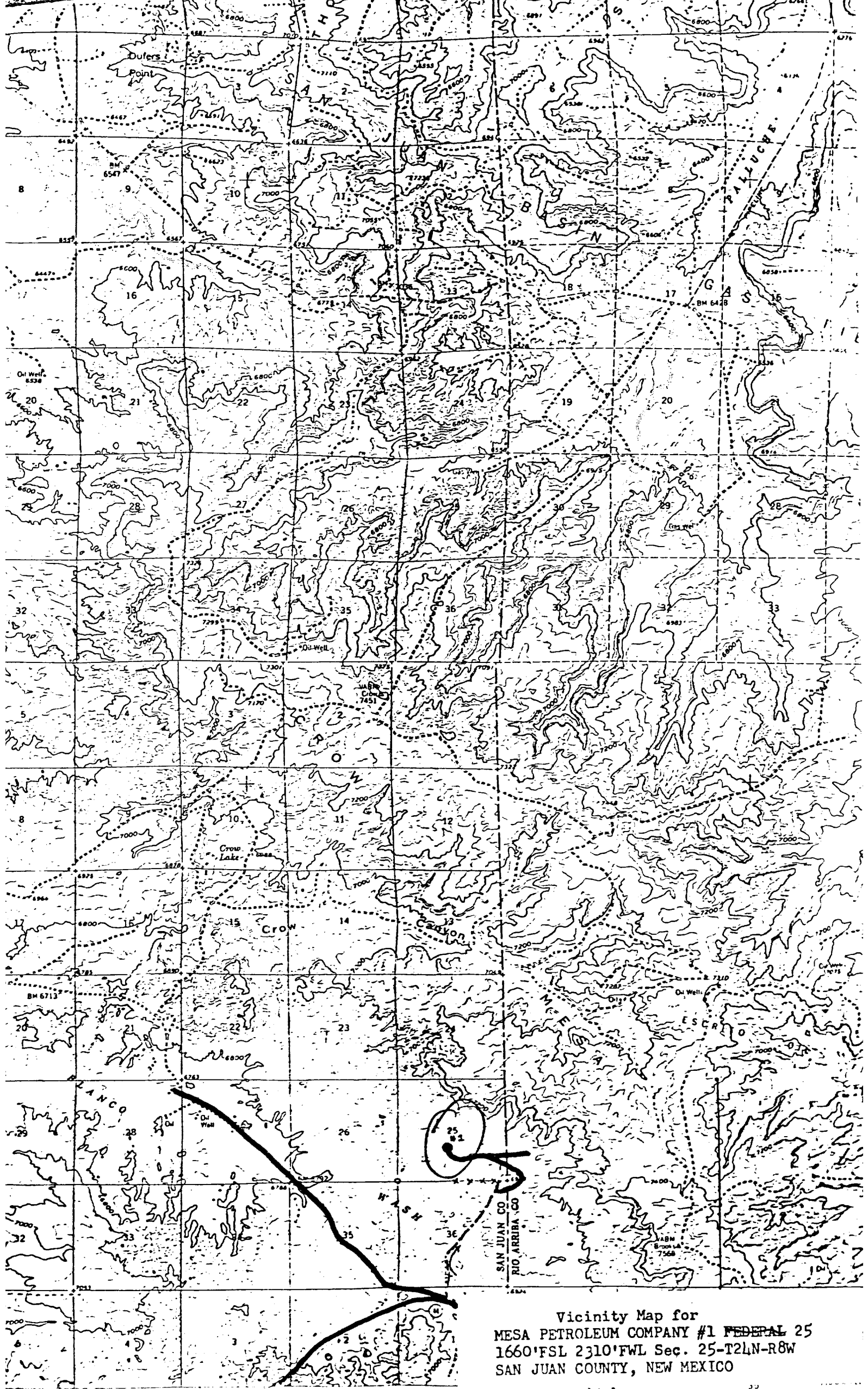
June 30, 1980


JOHN ALEXANDER

JA:clp



MESA PETROLEUM
 SOUTH BLANCO 25 NO. 1
 SW/4 25-24N-8W
 SAN JUAN CO., N.M.



Vicinity Map for
MESA PETROLEUM COMPANY #1 FEDERAL 25
1660'FSL 2310'FWL Sec. 25-T2LN-R8W
SAN JUAN COUNTY, NEW MEXICO

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 ☒ gas ☐ other ☐
well well
2. NAME OF OPERATOR
MESA PETROLEUM CO.
3. ADDRESS OF OPERATOR 80264
1660 Lincoln, 2800 Lincoln Center, Denver, Colo
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1660'S & 2310'W
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

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

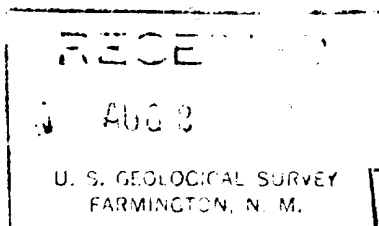
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐ ☐
FRACTURE TREAT ☐ ☐
SHOOT OR ACIDIZE ☐ ☐
REPAIR WELL ☐ ☐
PULL OR ALTER CASING ☐ ☐
MULTIPLE COMPLETE ☐ ☐
CHANGE ZONES ☐ ☐
ABANDON* ☐ ☐
(other) CHANGE ACCESS ROAD

5. LEASE
NM 12233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
SOUTH BLANCO 25
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
LYBROOK GALLUP EXT.
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
2524N-8W
12. COUNTY OR PARISH 13. STATE
SAN JUAN NEW MEXICO
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6883

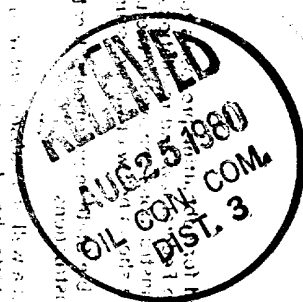
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Access to the above location has been changed as indicated on the attached topographic map.



APPROVED
AS AMENDED
AUG 22 1980



Subsurface Safety Valve: Manu. and Type

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

SIGNED

JOHN ALEXANDER

TITLE

AGENT

DATE

August 20, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

1. Place a cattleguard with lock bar at the fence between BLM and private property.
2. Install culverts as necessary on the new road.
3. Grade existing road.
4. Reseed access if well is non-productive.

See Instructions on Reverse Side

NMOCC

