# SUBMIT IN TRIPLIC

(Other instructions reverse side)

## UNITED STATES DEPARTMENT OF THE INTERIOR

**GEOLOGICAL SURVEY** 

	•
CATE*	Form approved, Budget Bureau No. 42-R1425.
	30-045-24494 5. LEASE DESIGNATION AND SERIAL NO.
	NM 12233  6. IF INDIAN, ALLOTTER OR TRIBE NAME
K	O. AF INDIAN, ALIOTTEE OR TRIBE NAME
_	7. UNIT AGREEMENT NAME
┚.	
] : [	8. FARM OR LEASE NAME
	SOUTH BLANCO 25
	9. WELL NO.
	1
	10. FIELD AND POOL, OR WILDCAT
	LYBROOK GALLUP EXT
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	25-24N-8W
	12. COUNTY OR PARISH 13. STATE
	SAN JUAN NEW MEXICO
NO. C	OF ACRES ASSIGNED HIS WELL
TO 11	40
ROTA	BY OR CABLE TOOLS
	ROTARY
:_	22. APPROX. DATE WORK WILL START*
	July 15, 1980
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-	QUANTITY OF CEMENT
	250 sks
9	950 sks
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OPER	ATIONS AUTHORIZED ARE
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REQU	JIREMENTS"
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t proc casure	ductive zone and proposed new productive d and true vertical depths. Give blowout
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BAC 1a. TYPE OF WORK PLUG BACK [ DRILL X DEEPEN b. TYPE OF WELL SINGLE ZONE MULTIPLE [ GAS WELL OIL X OTHER 2. NAME OF OPERATOR MESA PETROLEUM CO. 3. ADDRESS OF OPERATOR 1660 Lincoln, 2800 Lincoln Center, Denver, Colo. 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) 1660'/S & 2310'/W 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) 17. 16. NO. OF ACRES IN LEASE 1080 20. 18. DISTANCE FROM PROPOSED LOCATION®
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 5800 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6883 GL 23. PROPOSED CASING AND CEMENTING PROGRAM SETTING DEPTH WEIGHT PER FOOT SIZE OF HOLE SIZE OF CASING 24 250 8 5/8 12 1/4 58001 15.5 7 7/8 5 1/2

(SEE ATTACHMENTS)

GAS UNDER THIS LEASE IS NOT DEDICATED TO A CONTRACT.

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DRILLING SUBJECT T "GENERAL

data on presen IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to drill or deepen directionally, give pertinent IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal locations and m 101

preventer program, if any.		
SIGNED SIGNED COLLARS	OCTITLE AGENT	June 30, 1980
(This time for Freezillo Stave tontoe use)		
AS AMENDED	APPROVAL DATE	
AUG 07 1980	·	DATE
CONDITIONS OF APPROVALES TO SMS	TITLE	
F DISTRICT ENGINEER		4

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NMOCC

# OIL CONSERVATION DIVISION

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

-90 1320 1650 1980 2310 2640

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## P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-78

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MESA PETROLEIM COMPANY    Section				CER WAT IN 1101			<del>.</del>	Tw. tt st-
Unit Liter    Section   Township   Recognition   Section   Township   Recognition   Section   Se	Operator  NDCA DDWD	ATTURE CONT	3 4 NR7			(4)	لع	Well No.
Actival Processor Seculation of Walth  1650  Free from the  South  1663  Free from the  South  1663  Free from the  Free free from the  Free free free from the  Free free free free free free free free				<u> </u>				
Actual Festings Levelinon is well.  1550 test from the South time and 2310 test from the West Interest (683)  1560 Test from the GALLUP EXTENSION 40 Acres (683)  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-poling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.  Sec.  25  26  27  28  28  29  29  29  20  20  21  22  25  26  27  28  28  28  29  20  20  20  21  22  23  20  20  20  21  22  23  24  25  26  27  28  28  28  28  28  28  28  28  28	1	25	1			1	Juan	
Post   Producting Formation   Post   Production   Post   Production   Post   Production   Post   Production   Post   Production   Post   Production   Productio								✓
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#### 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	43201
Fruitland	1900 <b>'</b>	Mancos	4575 <b>'</b>
Cliffhouse	3520 <b>'</b>	Gallup	5360 <b>'</b>

#### 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% CaCl<sub>2</sub>

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	<b>35-</b> 45	8.6 <b>-9.0</b>	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.

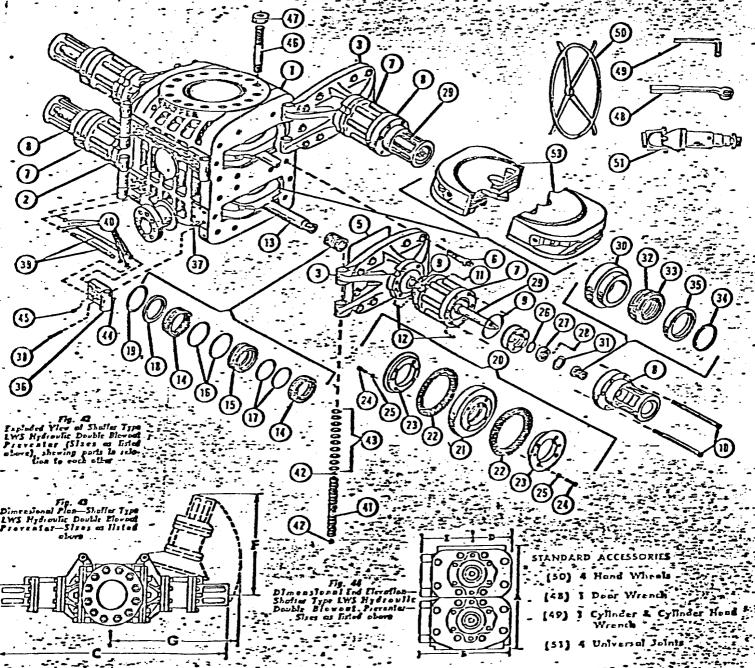
#### 10. Starting Date

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

TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—735/2", 5000 Lb.—16", 3000 Lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS



DIMINSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

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#### 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. Out 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 anh 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.

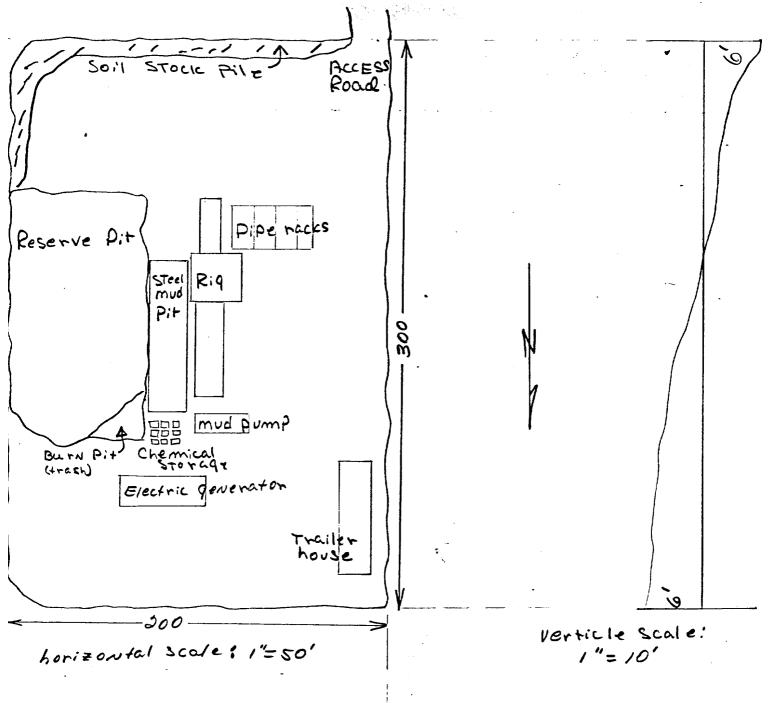
The surface is federally owned. No artifacts or cultural sites were noticed.

- 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.

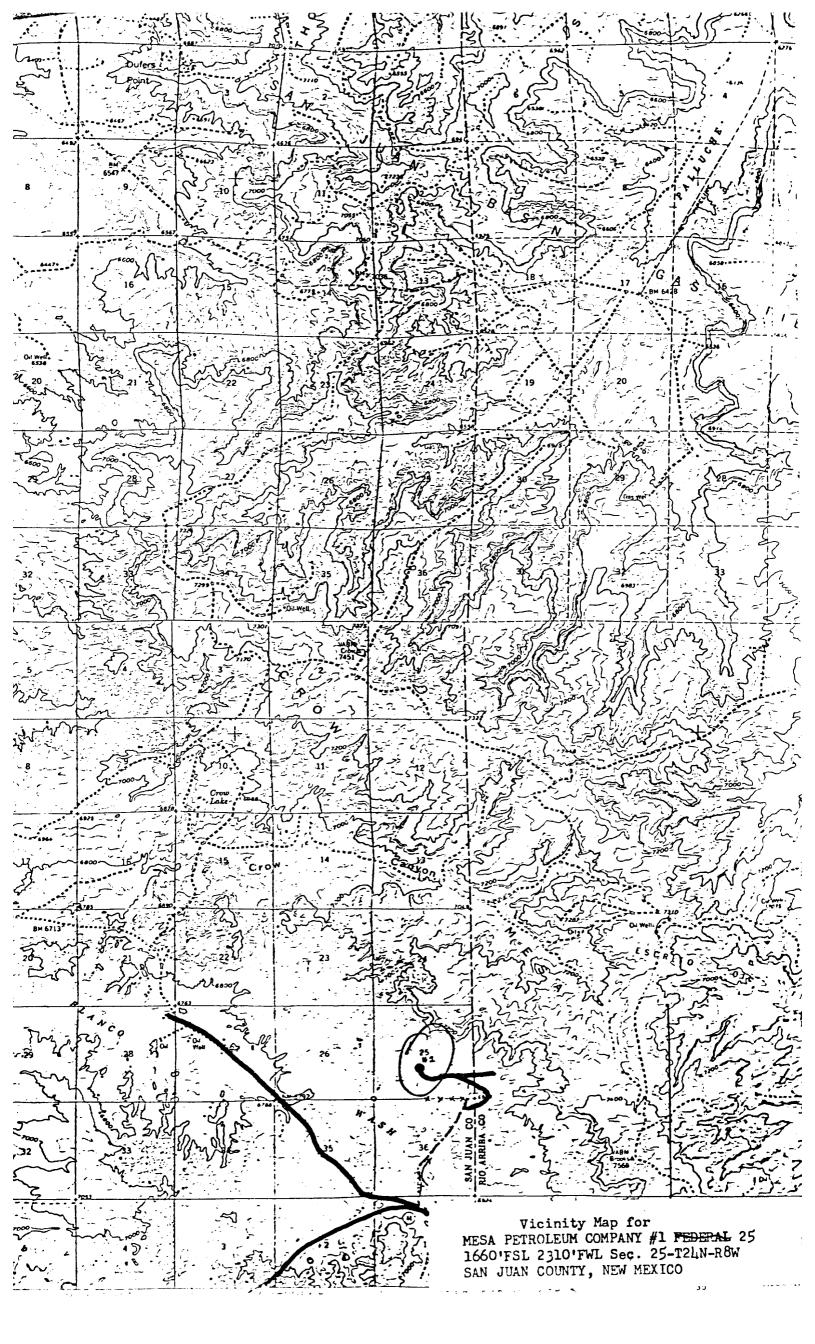
Alefander

June 30, 1980

JA:clp



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



UNITED STATES  DEPARTMENT OF THE INTERIOR	5. LEASE 2 15 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBENAME
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.)	7. UNIT AGREEMENT NAME:
1. oil yx gas  other	SOUTH BLANCO 25
2. NAME OF OPERATOR MESA PETROLEUM CO.	1 10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 80 264 1660 Lincoln, 2800 Lincoln Center, Denver, Co	LYBROOK GALLUP EXT.
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 1) below.)	7 AREA 2524N-8W 12. COUNTY OR PARISH 13. STATE
AT SURFACE: 1660'/S & 2310'/W y AT TOP PROD. INTERVAL: same AT TOTAL DEPTH: same	SAN JUAN NEW MEXICO
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA	<del></del>
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6883
TEST WATER SHUT-OFF	
REPAIR WELL  PULL OR ALTER CASING   MULTIPLE COMPLETE  CHANGE ZONES  ABANDON*  (other) CHANGE ACCESS ROAD	(NOTE: Report results of multiple completion or zone change on: Form 9–330.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly sincluding estimated date of starting any proposed work. If well is measured and true vertical depths for all markers and zones perting	K DIVECTIONARY CHINES. KING SUUSUI INCO IONNIONO NII
Access to the above location has been change topographic map.	d as indicated on the attached
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U. S. GEOLOGICAL SURVEY AP	PROVED TO SOLUTION 3
FARMINGTON, N. M.	AMENUEL STATES
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby cert fy that the foregoing is true and correct  SIGNED ALEVANDED AGENT 1218	TRICT ENGINEER WEST 20, 1980
(This space for Federat or State	e office use)
APPROVED BY TITLE CONDITIONS OF APPROVAL IF ANY: 1. Place a cattleguard Install culverts as BLM and private pro	with lock bar at the fence between
essary on the new road.	
Grade existing road.  Reseed access if well is non-productive.	inge 2194 IAIAIOOO

