

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN \_\_\_\_\_ LIGATE\*  
(Other instructions on  
reverse side)

30-015-26267  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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

Ray Westall

3. ADDRESS OF OPERATOR

P.O. Box 4, Loco Hills NM. 88255

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

At surface

330 FSL & 330 FWL

At proposed prod. zone Same

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

7 Miles Southwest of Loco Hills, NM

10. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

330

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

660

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

3200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3432 Gr.

22. APPROX. DATE WORK WILL START\*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48#	500'	circulate
12 1/4	8 5/8	24#	1700	circulate
7 7/8	5 1/2	17#	3200	400 sxs bring back to 1600'

We propose to drill and test the Queen formation. Fresh water will be used to drill the surface and brine water will be used to drill the intermediate and production hole.

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

TITLE Geologist

DATE 12/6/89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

AREA MANAGER

CARLSBAD RESERVE AREA

DATE 12-21-89

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate  
District Office  
Late Lease - 4 copies  
Early Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Ray Westall		Lease Trigg Federal		Well No. 8
Unit Letter M	Section 35	Township 18 South	Range 30 East	County Eddy
Actual Footage Location of Well: 330 feet from the South line and 330 feet from the West line				
Ground level Elev. 3432	Producing Formation Queen	Pool Shugart	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 interest 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 interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature

Printed Name

Randall L. Harris

Position

Geologist

Company

Ray Westall

Date

12/6/89

SURVEYOR CERTIFICATION

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.

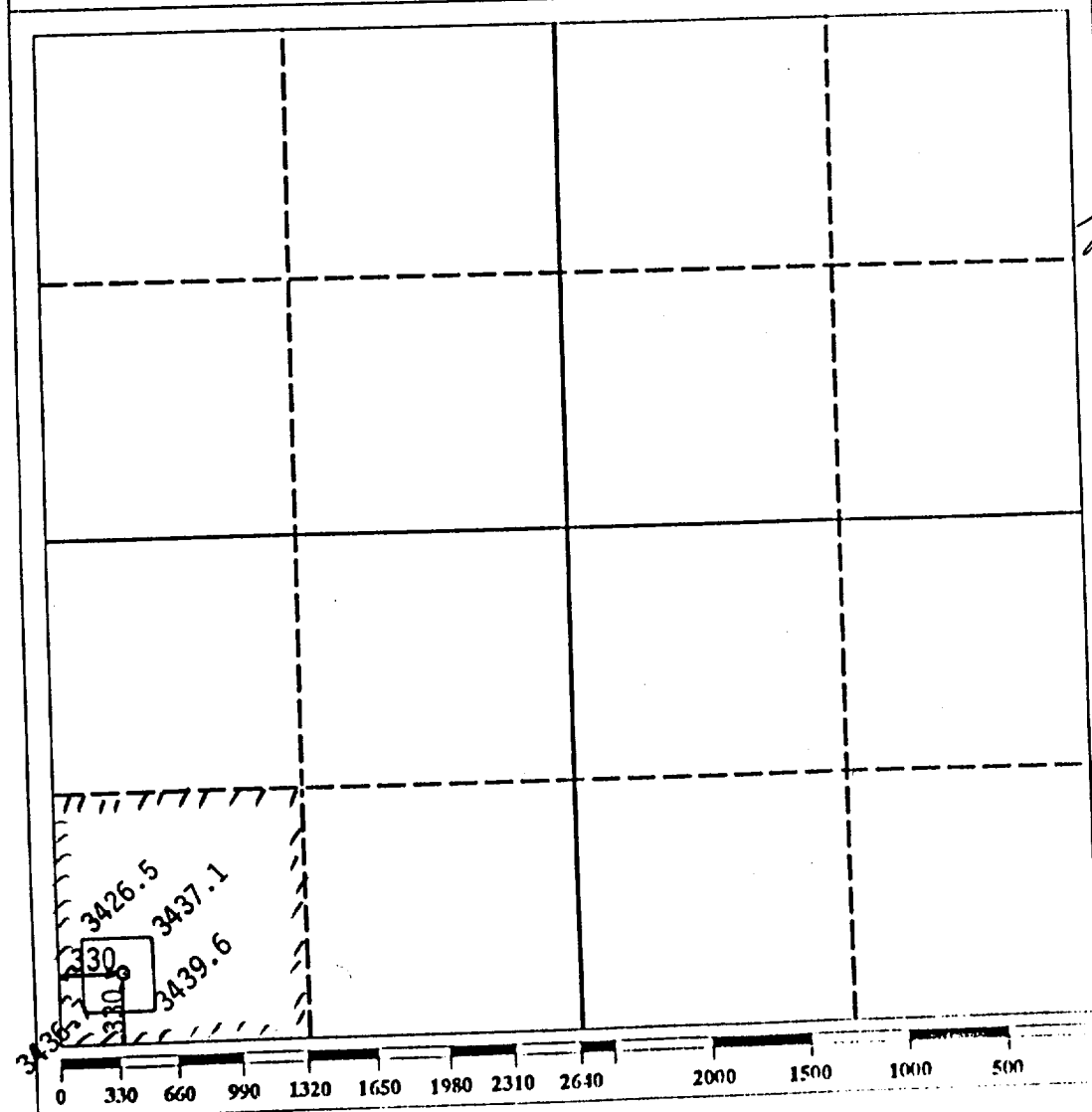
Date Surveyed

September 21, 1989

Signature & Seal of  
Professional Surveyor  
P. R. Patton

Certificate No.

8112



# Ray Westall

## APPLICATION FOR DRILLING

Ray Westall  
Trigg Federal #7

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Ray Westall submits the following ten items of pertinent information in accordance with BLM requirements:

1. The Geological surface formation is quaternary.
2. The estimated tops of geologic markers are as follows:

Yates	2050
7 Rivers	2500
Queen	3050
Grayburg	3500
San Andres	3850
3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered:

Water	180
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Oil & gas zones listed above in item #2.
4. Proposed Casing Program: See 9-331C
5. Pressure Control Equipment: See 9-331C and Exhibit E.
6. Mud Program: Mud up 100 to 150' before TD and circulate 2 hours after TD and pull out laying down and running casing.
7. Auxiliary Equipment: N/A
8. Testing, Logging and Coring Program: (E) logs, CNL/FDC, DLL.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated Starting Date: As soon as possible.

P. O. BOX 4 / LOCO HILLS, NEW MEXICO 88255 / PHONE (505) 677-3113

# MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RAY WESTALL

This plan is submitted with form 9-331C, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and Operations Plan, the magnitude of surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operation.

## 1. EXISTING ROADS.

Exhibit A is a portion of a USGS topographic map showing the wells and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 1/2 mile west of main road.

## 1. DIRECTIONS.

Proceed east from Loco Hills to county road 222. Go South approximately 7 miles, turn West 2 miles, location on North side of road.

## 2. PLANNED ACCESS ROAD.

A. Approximately 300 feet of road will have to be built from the main road.

## 3. LOCATION OF EXISTING WELLS.

A. Trigg # 7 is located 990' from South, 990' from West.

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4. LOCATION OF EXISTING/OR PROPOSED FACILITIES

- A. There is a producing facility on the shallow lease at the present time, located on the Trigg Federal # 1, NESW Sec. 35.

5. LOCATION AND TYPE OF WATER SUPPLY.

- A. It is planned to drill the proposed well with a brine water system. The water will be obtained from commercial sources and will be hauled to the location by truck.

6. SOURCE OF CONSTRUCTION MATERIALS.

- A. The location and road will be scraped out to caliche.

7. METHODS OF HANDLING WASTE DISPOSAL.

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Produced water during testing - drill pits.
- D. Oil produced during operation will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
- G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion of operations.

8. ANCILLARY FACILITIES

- A. None required.

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9. WELLSITE LAYOUT.

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, etc,
- B. a 400' X 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM and USGS will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

11. OTHER INFORMATION.

- A. Topography: The land surface in the vicinity of the wellsite is in sand dunes. The immediate area of the wellsite is discussed above in paragraph 9B.
- B. Flora and Fauna: The vegetation cover consists of prairie grass, prairie flowers, greasewood and miscellaneous desert growth. No wildlife was observed, but wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.
- C. There are no ponds, lakes or rivers in the area.
- D. There are no inhabited dwellings in the vicinity of the proposed well.
- E. Surface Ownership: The wellsite is on federal surface.
- F. There is no evidence of any archeological, historical or cultural sites in the area.

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12. OPERATOR'S REPRESENTATIVE

- A. The field representative responsible for assuring compliance with the approved surface use plan is:

Ray Westall  
P.O. Box 4  
Loco Hills, N.M. 88255  
(505) 677-3113 Office  
885-3674 Home

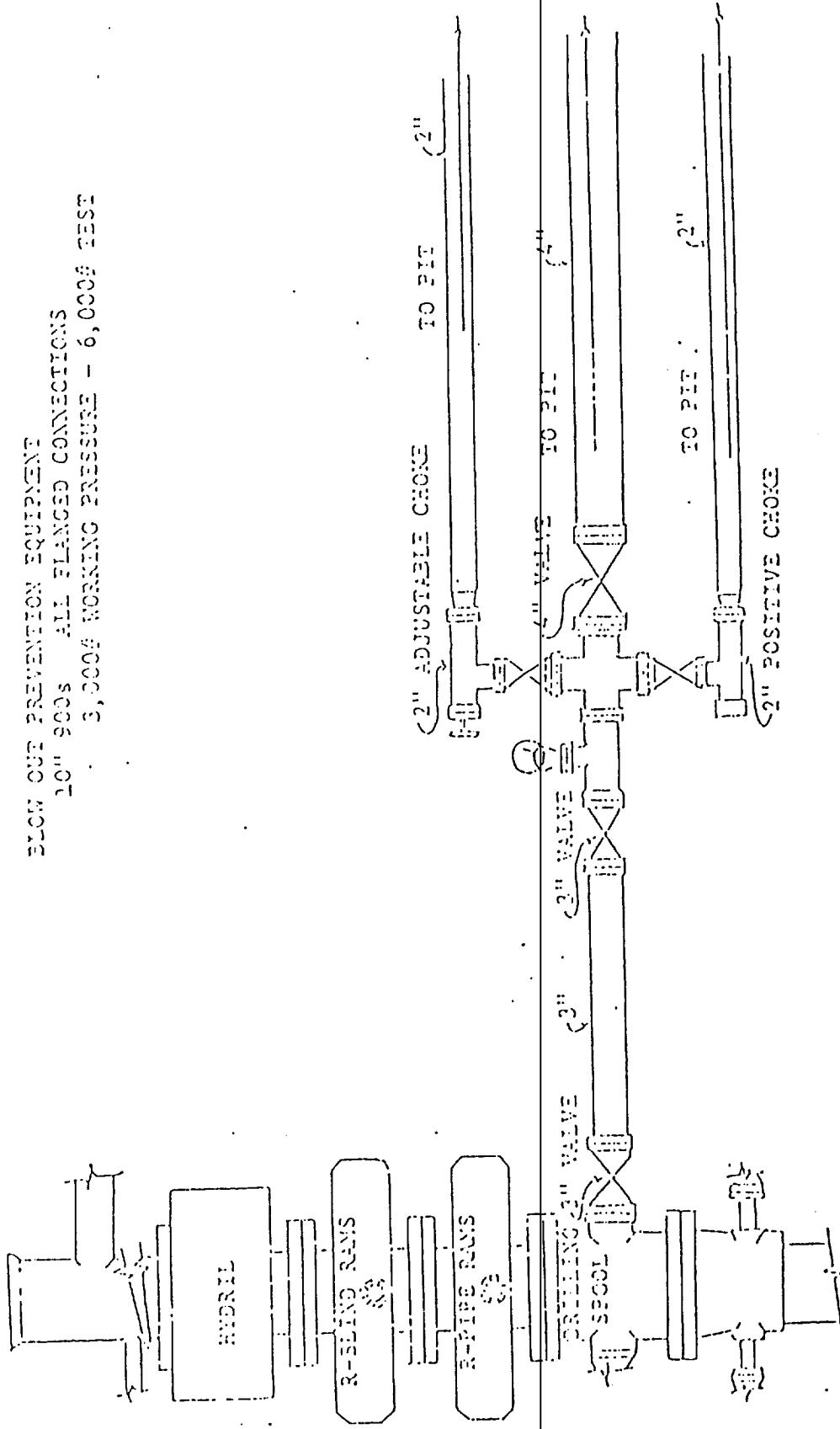
13. CERTIFICATION.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this 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 Ray Westall and it's subcontractors in conformity with this plan and the terms and conditions under which it is approved.

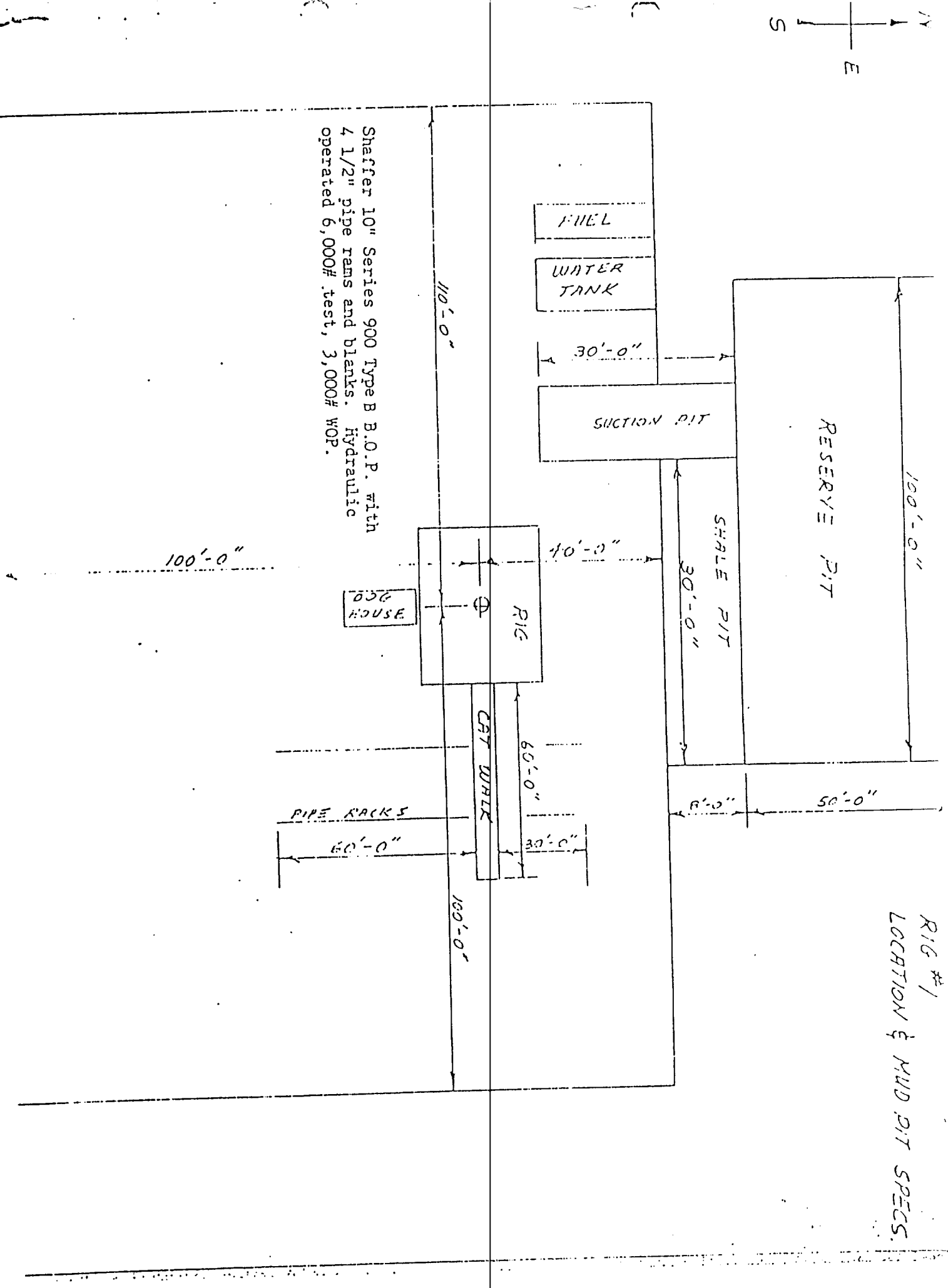
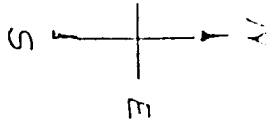
  
\_\_\_\_\_  
Randall Harris,  
Expl. Manager



BLOW OUT PREVENTION EQUIPMENT  
 10" 900s ALL FLANGED CONNECTIONS  
 3,000s WORKING PRESSURE - 6,000s TEST



APPENDIX TO FORM C-101



Shaffer 10" Series 900 Type B B.O.P. with  
4 1/2" pipe rams and blanks. Hydraulic  
operated 6,000# test, 3,000# WOP.

RIG #1  
LOCATION & MUD PIT SPECS.