

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

Anadarko Production Company ✓

## 3. ADDRESS OF OPERATOR

P. O. Box 67, Loco Hills, New Mexico 88255

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

At surface

560' FNL &amp; 660' FEL Sec. 17, T18S, R29E

At proposed prod. zone Same Eddy County, New Mexico

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

Approximately 7 miles Southwest of Loco Hills Townsite

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 16. NO. OF ACRES IN LEASE

2600

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

402'

## 19. PROPOSED DEPTH

2850'

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

3488.3' GL

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	350'	Approx 200 circ or readymixed
7-7/8"	5-1/2"	15.5#	2850'	Approx 500 circulated

1. Rig up rotary tools.
2. Drill to approximately 350' with 12 1/4" bit; set & circulate or readymix cement to surface on 8-5/8" casing. Install & test Series 900 Double Ram Hydraulic BOP.
3. Drill 7-7/8" hole to T D (approx. 2850'); run Open Hole Logs.
4. Set & circulate cement on 5 1/2" casing from T D to surface.
5. Perforate, acidize and fracture treat Grayburg Zone.
6. Run 2-3/8" tubing, rods & bottom-hole pump; install pumping equipment and place well on production.

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 prevention program, if any.

24.

SIGNED

Truman D. Jones

TITLE

Field Foreman

DATE

February 17, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

(Orig. Sgd.) ROGER A. CHAPMAN

TITLE

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

DATE

CONDITIONS OF APPROVAL

MAR 18 1982  
FOR  
JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

LC 058127

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Ballard Grayburg  
San Andres Unit8. FARM OR LEASE NAME  
Tract 7A

9. WELL NO.

1

O. C. D.

10. FIELD AND POOL OR WILDCAT  
Loco Hills-Queen-  
Grayburg-San Andres11. SEC., T., R., M., OR BLM.  
AND SURVEY OR AREA

17 - 18S - 29E

12. COUNTY OR PARISH

13. STATE

Eddy

New Mexico

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

March 25, 1982

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSOWELL, NEW MEXICO

FEB 19 1982

Posted ID-1  
API + NL Book  
3-26-82

**MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

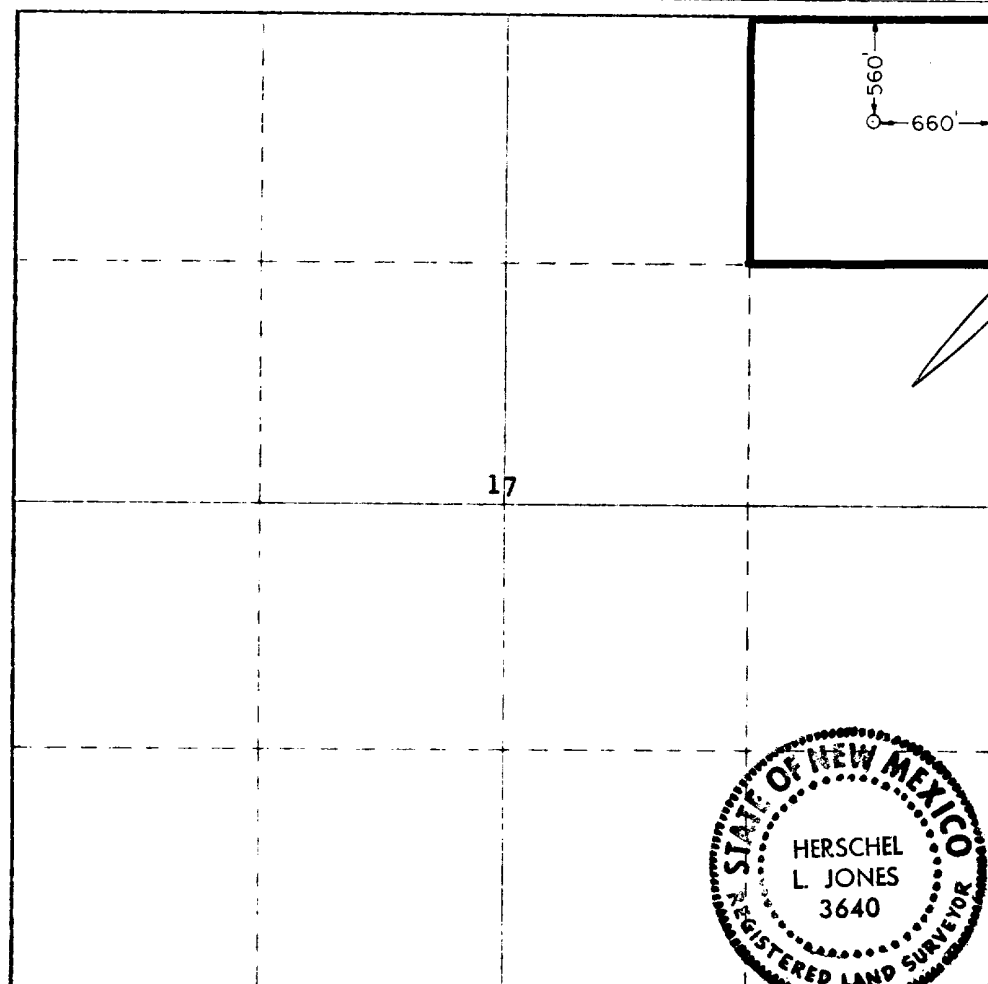
Operator <b>ANADARKO PRODUCTION COMPANY</b>			Lease <b>Ballard Grayburg SA Unit Tr.7A</b>		Well No. <b>1</b>
Tract Letter <b>A</b>	Section <b>17</b>	Township <b>18 South</b>	Range <b>29 East</b>	County <b>Eddy</b>	
Actual Plotting Location of Well:					
<b>560</b> feet from the <b>North</b> line and		<b>660</b> feet from the <b>East</b> line			
Ground Level Elev. <b>3488.3'</b>	Producing Formation <b>Grayburg</b>	Pool <b>Loco Hills-Queen-Grayburg-San Andres</b>		Dedicated Acreage: <b>40</b> 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 Unitization

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.



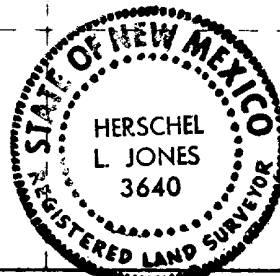
**CERTIFICATION**

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

Name *Jerry E. Buckles*  
 Position Area Supervisor  
 Company Anadarko Production Co.  
 Date February 17, 1982

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 2/1/82  
 Registered Professional Engineer and/or Land Surveyor  
*Herschel L. Jones*  
 Certificate No. 3640



## DATA SHEET

This data sheet is provided in reference to the attached "Application for Permit to Drill" Anadarko's: Ballard Grayburg San Andres Unit Tract No. 7A, Well No. 1

1. Location: 560' FNL & 660' FEL Sec. 17, T18S, R29E, Eddy County, New Mexico
2. Elevation: 3488.3' GL
3. Geological Name of Surface Formation: Triassic-Doakum (Santa Rosa)
4. Type of Drilling Tools to be utilized: Rotary Tools
5. Proposed Drilling Depth: 2850'
6. Tops of Important Geological Markers:

T. Salt - 320'	7-Rivers - - 1300'
B. Salt - 800'	Queen - - - 1970'
Tansill - 850'	Grayburg - - 2390'
Yates - - 900'	San Andres - 2775'

7. Estimated Depth of Anticipated Water, Oil or Gas:

Oil - - - 2500' - 2775'

8. Casing Program:

8-5/8" - 24.0# K-55 or J-55 - New  
5-1/2" - 15.5# K-55 or J-55 - New

9. Setting Depth of Casing:

8-5/8" - 350' - 200 sx  
5-1/2" - 2850' - 500 sx

10. Specifications for Pressure Control Equipment: See attached Schematic

This Warton Rig is equipped with a Series 900 BOP with 4" Blind Rams, kill line and choke manifold; Koomey Hydraulic Controls and Accumulator with remote controls. When nipping up, test BOP and Choke to 1000 psi. Operate BOP equipment once a day, or as directed by Company Representative.

11. Mud Program:

Spud and drill with fresh water Native Mud to a depth of approx. 350'. Drill out from under surface casing with 10# brine water to within 50' of T D while maintaining a Ph of 10. At this point paper & gel will be used to clean hole prior to running Open Hole Logs.

12. Testing, Logging & Coring Program:

- a. Testing: No drill stem tests will be conducted.
- b. Coring: Well may possibly be cored.
- c. Logging: Open Hole Logs will be run prior to running 5½" casing

13. Potential Hazards:

None are expected. Above described BOP should take care of any blowout. Numerous wells have been drilled in this area without problems.

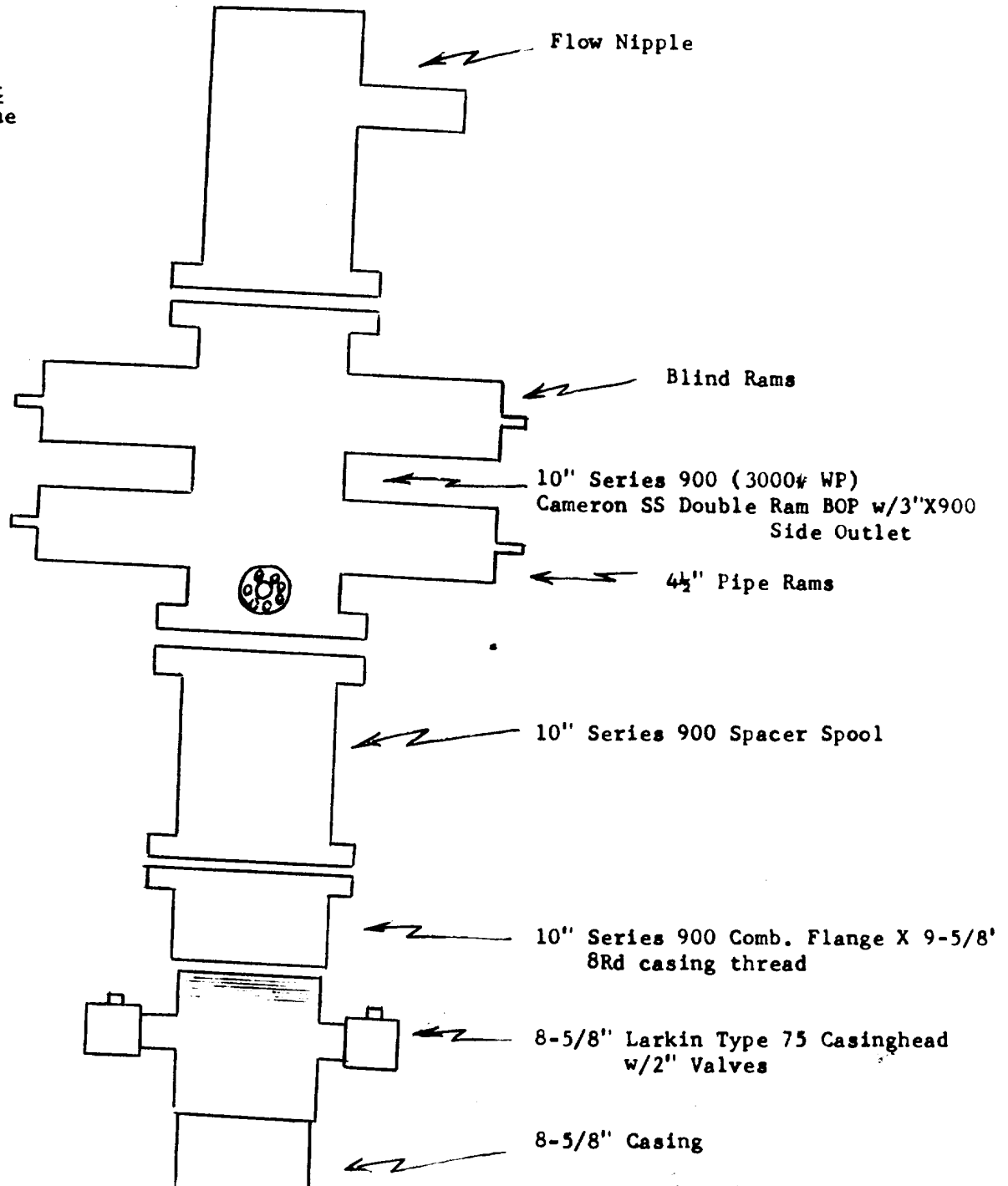
14. Anticipated Starting Date & Duration:

Plan to begin drilling operations about March 25, 1982. Approximately 6 days are required to drill the well and 2 weeks for completion.

15. Other Facets:

None.

Closing Unit  
4 Stage Payne



B O P Schematic

**Anadarko**  
PRODUCTION COMPANY

A  
Panhandle  
Eastern  
Company

P. O. Box 67 • Loco Hills, New Mexico 88255 • (505) 677-2411

February 17, 1982

Mr. Jim Gillham or Mr. Charles Flaherty  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico 88201

Re: Ballard Grayburg San Andres Unit  
Tract No. 7A, Well No. 1  
NE/4 of NE/4 Sec. 17, T18S, R29E  
Eddy County, New Mexico

Dear Mr. Gillham or Mr. Flaherty,

On February 17, 1982 Mrs. W. E. Gibson (heir of Grace Hunter Bishop Estate) was contacted by telephone regarding the above captioned location.

Negotiations are under way for settlement of surface damages and restoration of surface.

Yours very truly,

  
Jerry E. Buckles, Area Supervisor

JEB/rk

Warren Dr's co.  
Rig 8 (12.5' x 8)

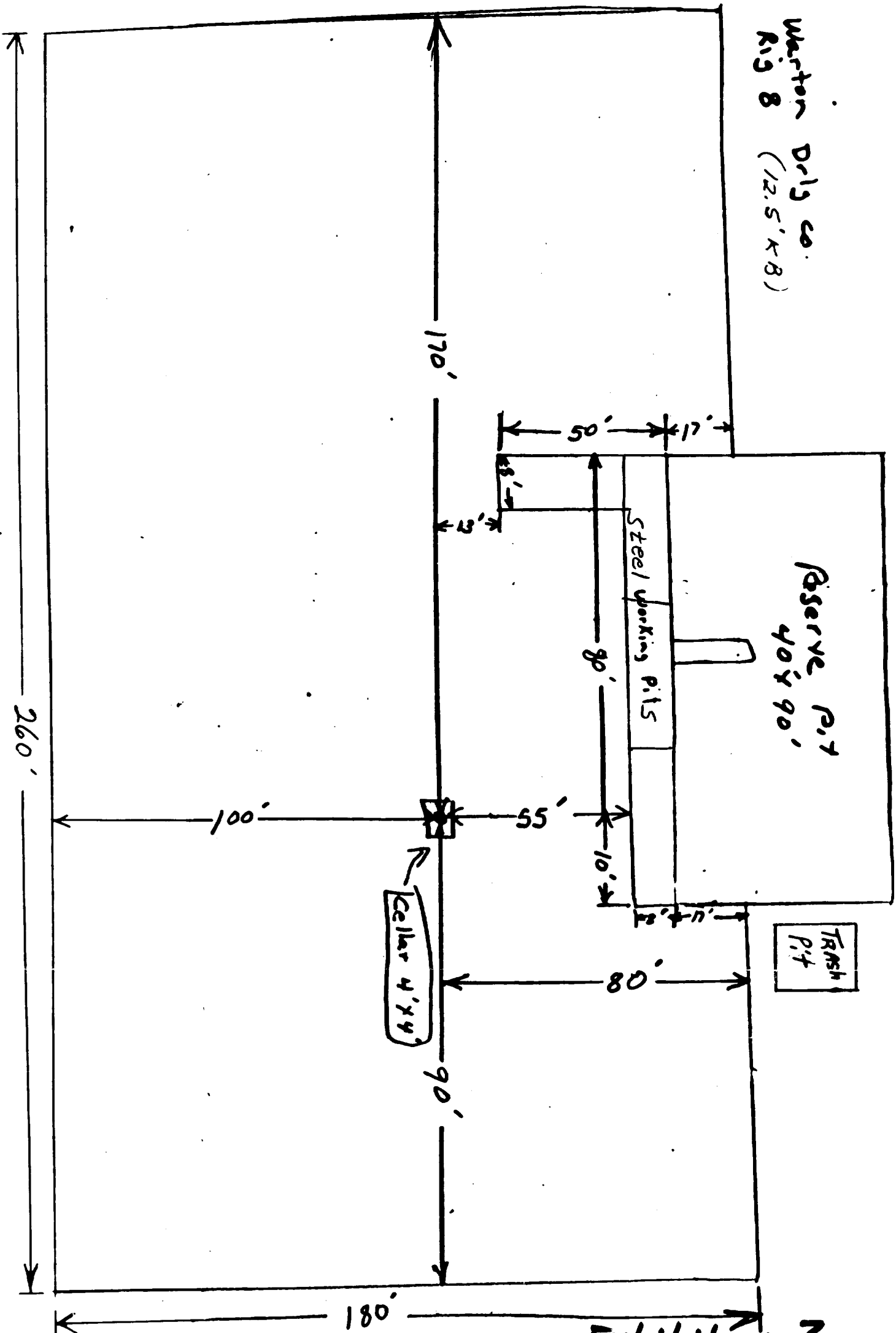


Exhibit # 3