

Drawer DD

Artesia

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other 1 section on
reverse side)

FORM APPROVED
BUDGET BUREAU No. 42-21425

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER ☒ Water Injection

MULTIPLE BORE ☐

3. NAME OF OPERATOR

Anadarko Production Company

AUG 24 1982

4. ADDRESS OF OPERATOR

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

5. LOCATION OF WELL (Report location clearly and in accordance with instructions on form)

At surface
2310' FNL & 1980' FWL Sec. 17, T18S, R29E
At proposed prod. zone SAME Eddy County, New Mexico

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approximately 7 miles Southwest of Loco Hills, N.M.

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

330'

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

1100'

9. NO. OF ACRES IN LEASE

2600

10. PROPOSED DEPTH

2780'

11. NO. OF ACRES ASSIGNED TO THIS WELL

40

12. ROTARY OR CABLE TOOLS

Rotary

13. ELEVATIONS (Show whether DP, RT, OR, etc.)

3514.5' GL

14. APPROX. DATE WORK WILL START

8-26-82

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. 250 sx circulated
7-7/8"	4-1/2"	10.5#	2780'	Approx. 500 sx circulated

1. Rig up rotary tools.
2. Drill 12 1/4" hole to approx 350'; 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 TD (approx. 2780'); possibly run Open Hole Logs.
4. Set & circulate cement on 4 1/2" casing from TD to surface.
5. Perforate and acidize Grayburg Zone.
6. Equip braidenhead and casing head with pipe & valves brought to the surface (valves open as an "attention getting device") of possible tubing, casing or packer leaks.
7. Run 2-3/8" SALTA (internally plastic lined) tubing with 4 1/2" injection packer
8. Set packer approx 50' above top perforations; pressure test casing to NMOCC specifications; unset packer, circulate packer fluid & reset packer.
9. Hook up well head for water injection.
10. Commence water injection in accordance with NMOCC Order #R7000, Case #7572 dated June 11, 1982

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.

SIGNATURE

Truman D. Jones

TITLE Field Foreman

DATE July 20, 1982

(This space for Federal or State office use)

(Orig. Sgd.) GEORGE H. STEWART

PERMIT NO.

AUG 16 1982

APPROVAL DATE

JUL 30 1982

APPROVED BY

JAMES A. GILLHAM

TITLE

Note: A plan of development has been filed in Albuquerque with Minerals Management Services (with Joe Lara).

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10
Revised 1-1-79
Oil Division

All distances must be from the corner to corner of the Section

MANDARCO PRODUCTION COMPANY

Ballard Grayburg SA Unit Tr. 16

17

15 South

22 East

Eddy

2310

North

1980

West

3514.5'

Grayburg

Loco Hills-Queen-

Grayburg-San Andres

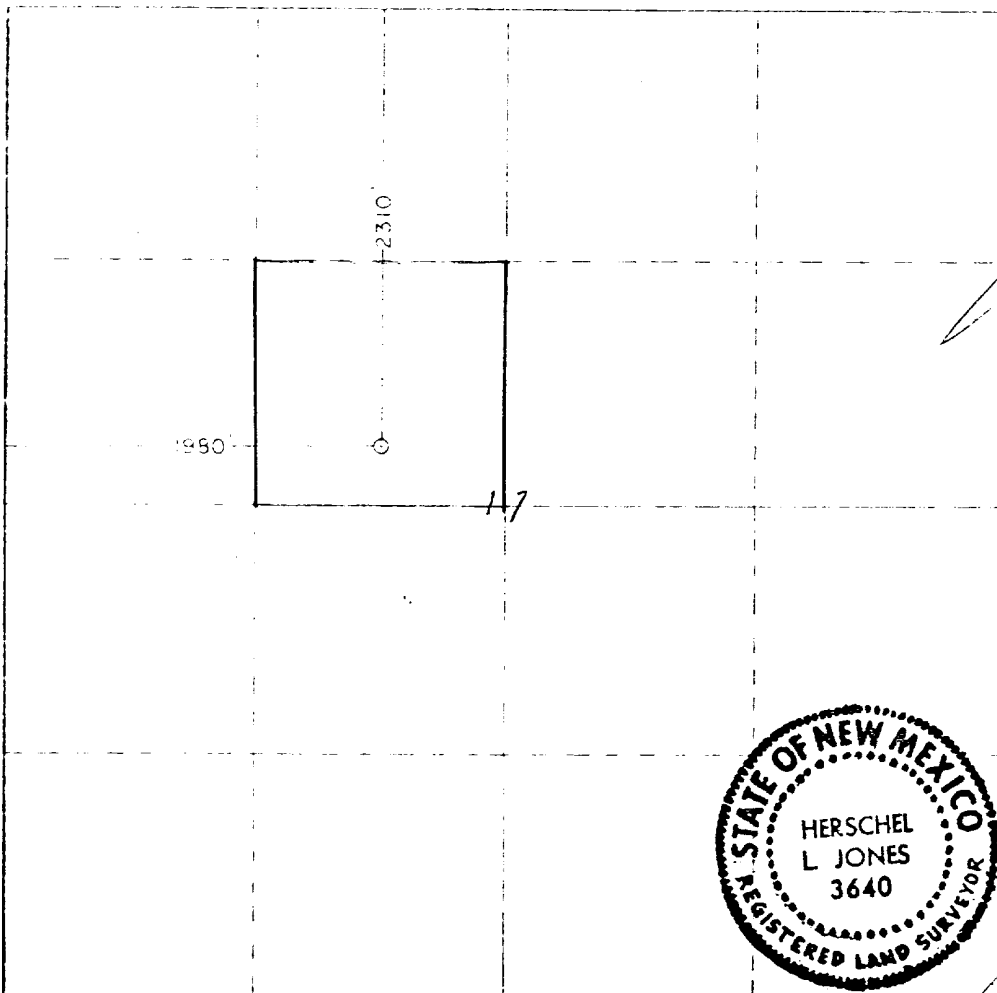
40

- Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 allowance will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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.

[Signature]

Jerry L. Buckles

Location

Area Supervisor

Company

Mandarko Production Company

Date

July 21, 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

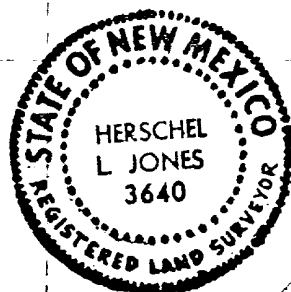
5/7/82

Registered Professional Engineer
and Land Surveyor

[Signature]

Certificate No.

3640



140 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0

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 16, Well #1

1. Location: 2310' FNL & 1980' FWL, Sec. 17, T18S, R29E, Eddy County New Mexico
2. Elevation: 3414.5' 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: 2780'
6. Tops of Important Geological Markers:

T. Salt - -330
B. Salt - -900
Tansill - -925
Yates - -980

7-Rivers - -1280
Queen - -1980
Grayburg - -2340
San Andres -2675

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

Oil: -- 2450 - 2700

8. Casing Program:

8-5/8" - 24.0# K55 or J-55 - New
4-1/2" - 10.5# K-55 or J-55 - New

9. Setting Depth of Casing:

8-5/8" - 350' - approx. 250 sx cement
4-1/2" -- 2780' - approx. 500 sx cement

10. Specifications for Pressure Control Equipment: See attached Schematic
This rig will have a Series 600 BOP with 4" Blind Rams, kill line and choke manifold-Koomey Hydraulic controls & accumulator with remote controls. When nipping up, test BOP & 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 O H log

12. Testing, Logging & Coring Program:

- a. Testing: No drill stem tests will be conducted.
- b. Coring: No coring is planned but there is a possibility the well will be cored.
- c. Logging: Open Hole Logs may be run prior to running 4 1/2" casing.

13. Potential Hazards:

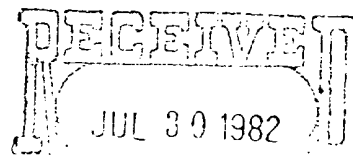
None are expected. Above described BOP should take care of any blowout. Numerous wells have been drilled in this area without problems.

14. Anticipated Starting Date & Duration:

Plans are to begin drilling operations about Aug. 26, 1982. Approximately 6 days are required to drill the well and 2 weeks for completion.

15. Other Facets:

None

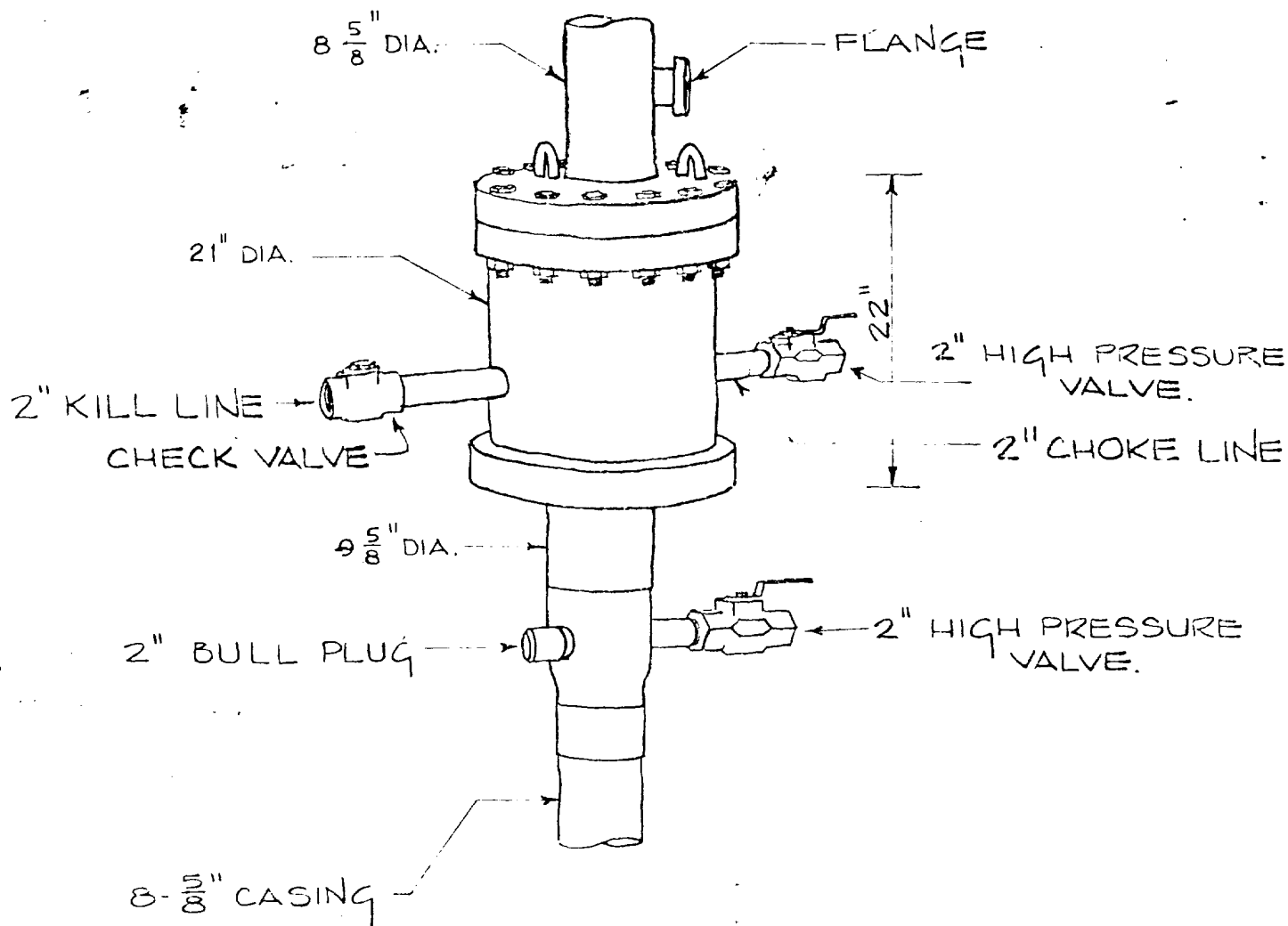


OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Inter-Department Correspondence

TO
FROM
SUBJECT

DATE JUNE 4, 1982



SHAFFER SERIES 900
BLOW OUT PREVENTER
FOR SALAZAR-13 RIG. PREVENTER
IS BLADDER-TYPE WITH HYDRAULIC
RAMS.

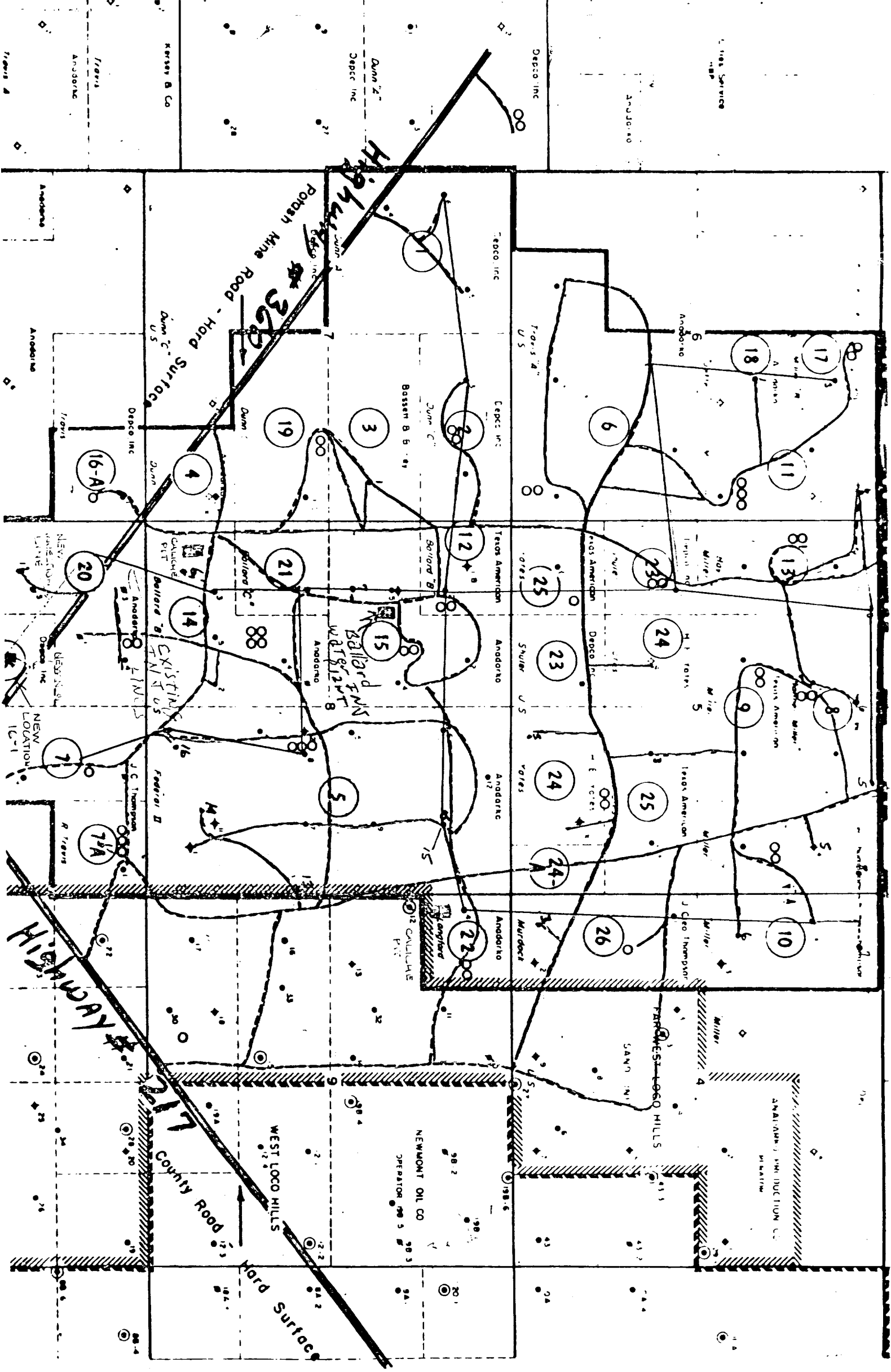


Exhibit #2

LOCATION SIZE FROM CENTER OF HOLE

40' North

100' South

125' East & West

PUSHER
TRAILER

TOOL
HOUSE

SERVICE
TRUCK

GENERATOR
TRAILER

FUEL TANK

WATER TANK

DOG HOUSE

PIPE RACKS

FAST MIXING
PILL TANK

PRIMARY
MUD
PUMP

RIG

70'

20'

30'

STANDBY
PUMP

SUCTION
PIT

10'

3RD PIT

2ND PIT

1ST PIT

1ST

2ND

100'

Exhibit #3

N

BASKET

CATWALK

BASKET

PIPE RACKS

WINCH TRUCK

WINCH TRUCK

CIN TRUCK