

Drawer DD

(Other Instr. of on
reverse)

Artesia, NM

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☒ 1982PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

OIL & GAS

SINGLE ZONE ☒MULTIPLE ZONE ☐

2. NAME OF OPERATOR

MINERALS MGMT. SERVICE
MORRIS R. ANTWEIL ROSWELL, NEW MEXICO

3. ADDRESS OF OPERATOR

P. O. Box 2010 Hobbs, New Mexico RECEIVED

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

At surface

2310' FSL & 660' FWL of Section 19 NOV 2 1982

At proposed prod. zone

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

13 miles south of Loco Hills, New Mexico C. C. D. OFFICE

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

317.76

19. PROPOSED DEPTH

12100

17. NO. OF ACRES ASSIGNED TO THIS WELL

317.76

20. ROTARY OR CABLE TOOLS

Rotary

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

3392.0' GR

22. APPROX. DATE WORK WILL START*

Dec. 1, 1982

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#	400'	Sufficient to circulate
12 1/4"	8 5/8	24, 28 & 32#	3700'	Sufficient to circulate
7 7/8"	5 1/2	17, 20#	12100'	600 sacks

Producing zones will be perforated and stimulated as necessary.

See attached for: Supplemental Drilling Data
BOP Sketches
Surface Use & Operations Plan

GAS NOT DEDICATED

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

Agent

DATE

20 Oct 82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

Form O-102
Supersedes L-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Leasor MORRIS R. ANTWEIL			Lessor CLAYTON FED.			Well No. 1		
Section L	County 19	Township 19 S	Range 30 E	Section EDDY				
Acres 2310		Feet from line SOUTH		Feet from line 660		Feet from line WEST		
Amount of well flow 3392.0		Producing formation Morrow		Hole HG		Total well acreage 316.76		

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

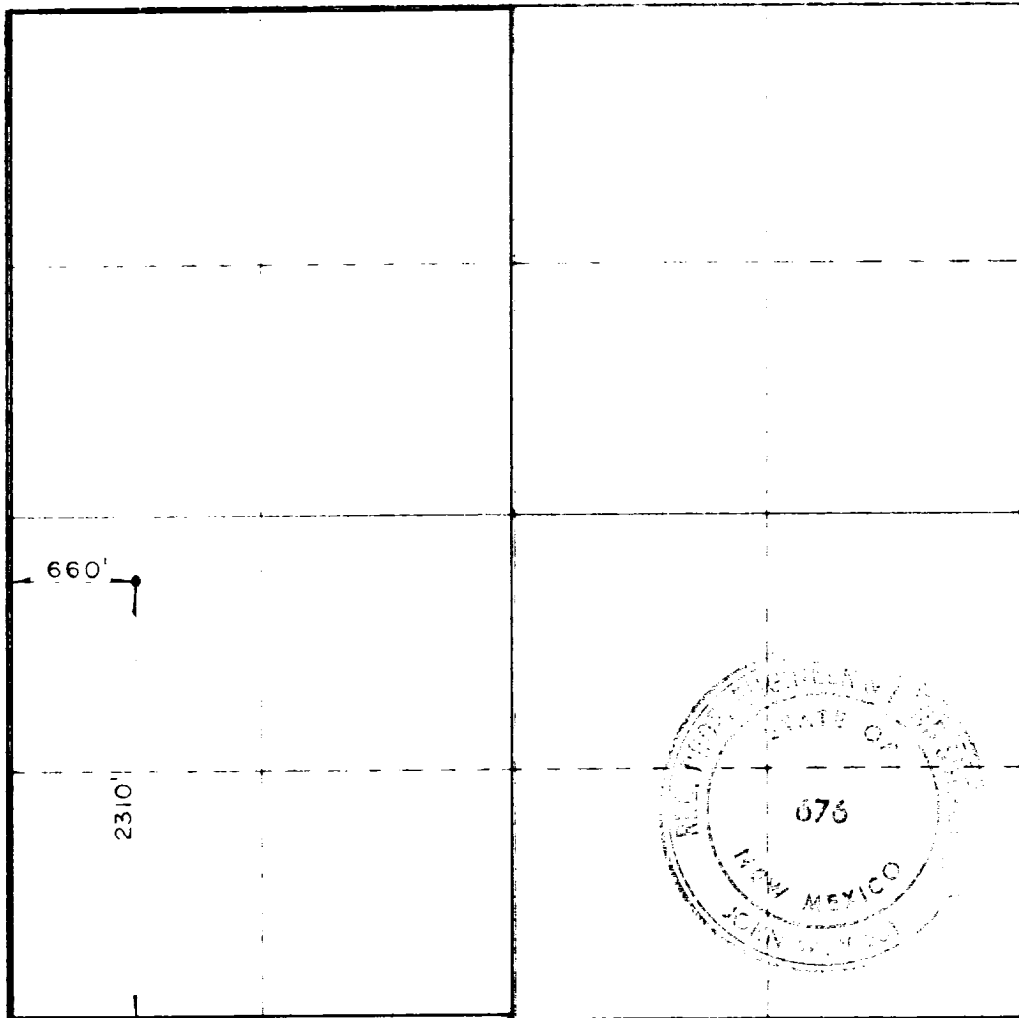
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OCT 21 1982

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

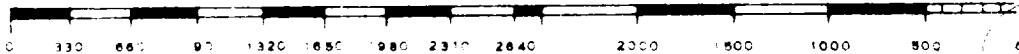
If answer is "no" list the owners and tract descriptions which have actually been consolidated (reverse side of this form if necessary) _____

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.

**OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO**



DEDICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Jerry Hillard</i>	
Jerry Hillard	
Agent	
Consent	
Morris R. Antweil	
Date	
20 Oct 82	
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	
OCTOBER 5, 1982	
Registered Professional Engineer and Land Surveyor	
<i>John W. West</i>	
Certificate No.	JOHN W. WEST 676
	PATRICK A. ROMERO 6663
	Ronald J. Eidson 3239



SUPPLEMENTAL DRILLING DATA

Morris R. Antweil
No. 1 Clayton Federal

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OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO

1) Surface Formation: Quaternary

2) Estimated Tops of Geologic Markers:

Rustler Anhydrite	360
Tansill	1370
Capitan Reef	1920
Delaware	3670
Bone Springs	6160
Wolfcamp	9680
Strawn	10700
Morrow	11300

3) Anticipated Possible Water & Hydrocarbon Bearing Zones:

Fresh Water	Above 300'
Oil	Strawn
Gas	Morrow

4) Proposed Casing & Cementing Program:
Setting Depth

<u>Casing Size</u>	<u>From</u>	<u>To</u>	<u>Weight #/ft.</u>	<u>Grade</u>	<u>Joint</u>
13 3/8	0	1400	48	H-40	STC
8 5/8	0	2400	24	J-55	STC
8 5/8	2400	2600	28	H-40	STC
8 5/8	2600	3700	32	H-40	STC
5 1/2	0	300	17	N-80	Butt
5 1/2	300	9900	17	N-80	LTC
5 1/2	9900	12100	20	N-80	LTC

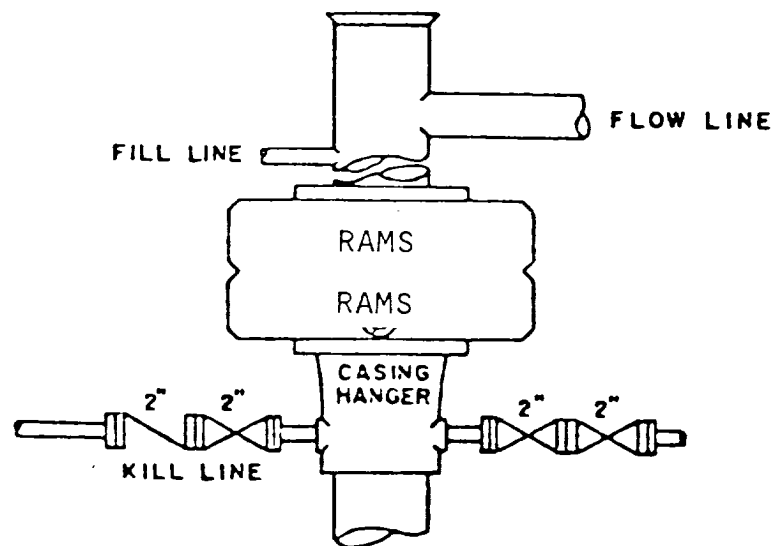
Equivalent or better grades and weights of casings may be substituted depending on availability.

13 3/8" surface casing will be cemented with Class "C" cement with 2% CaCl₂. Cement to circulate.

8 5/8" casing will be cemented with sufficient "Light" cement, tailed in with 200 sacks of Class "C" to circulate.

5 1/2" casing will be cemented with approximately 600 sacks Class "H" cement.

Cement quantities and additives may be varied to suit conditions at time casing is run.



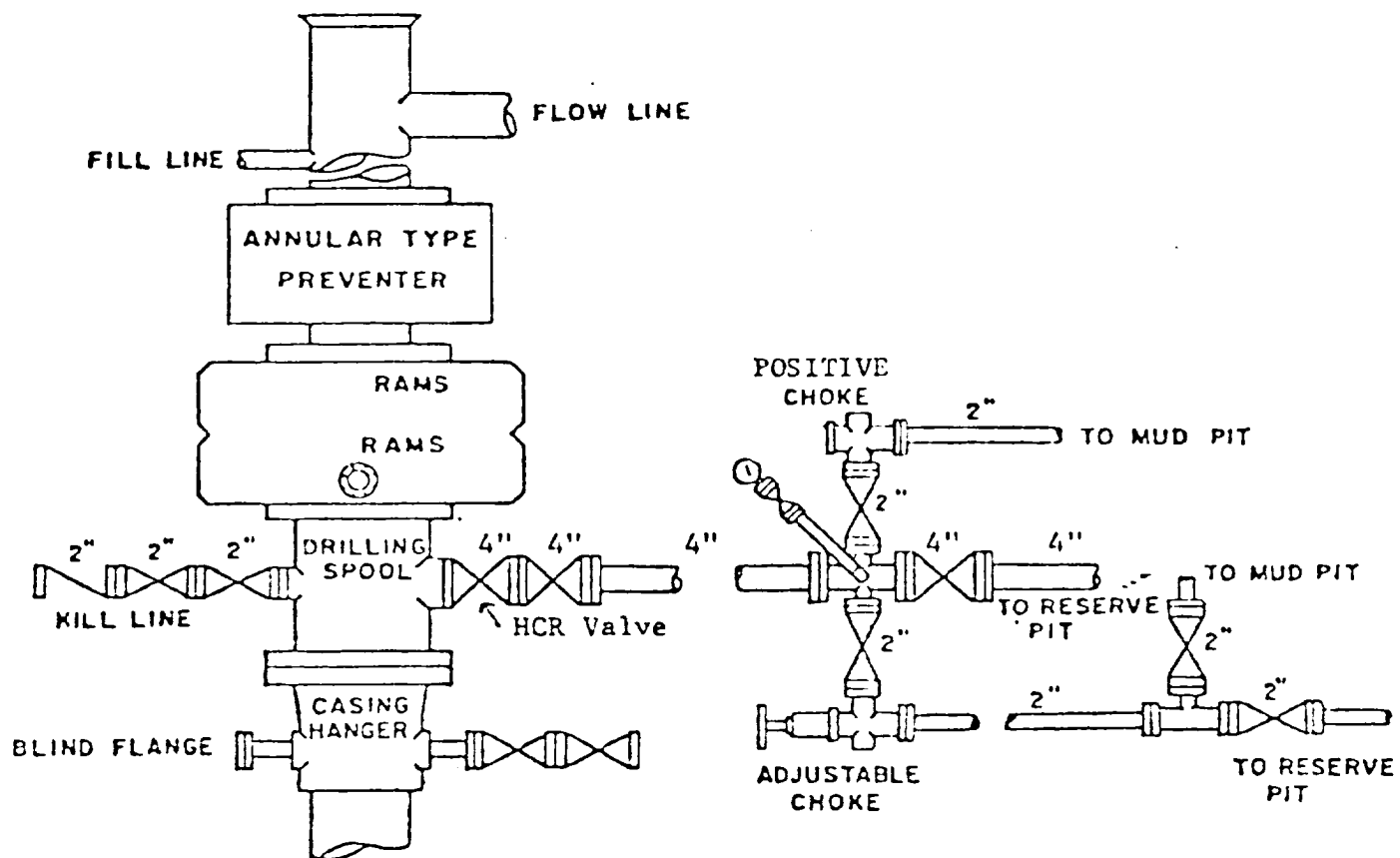
BOP STACK

2000 PSI WORKING PRESSURE

DEPTH INTERVAL

WHILE DRILLING 12-1/4" HOLE

BOP ARRANGEMENT



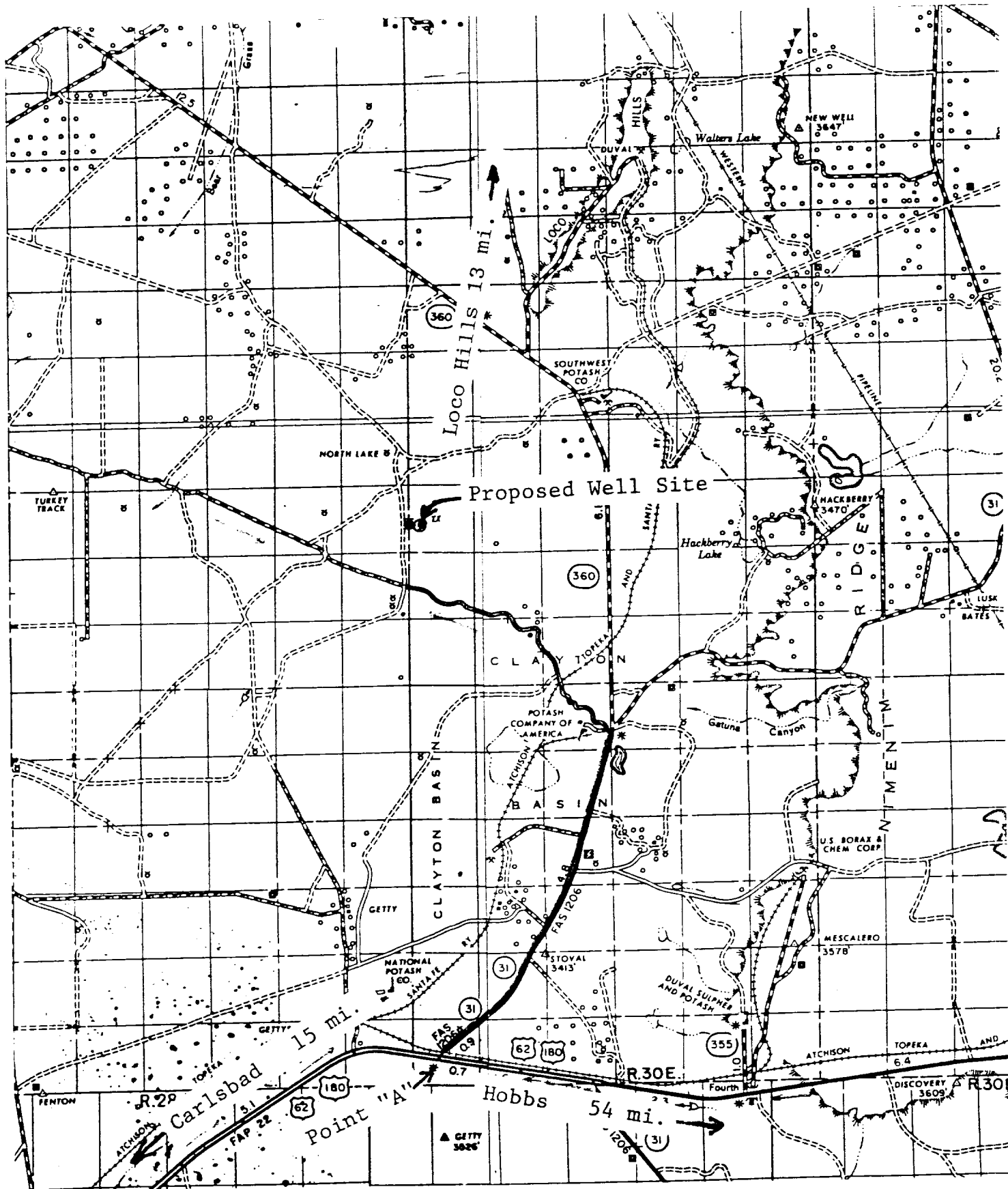
BOP STACK

3000 PSI WORKING PRESSURE

DEPTH INTERVAL

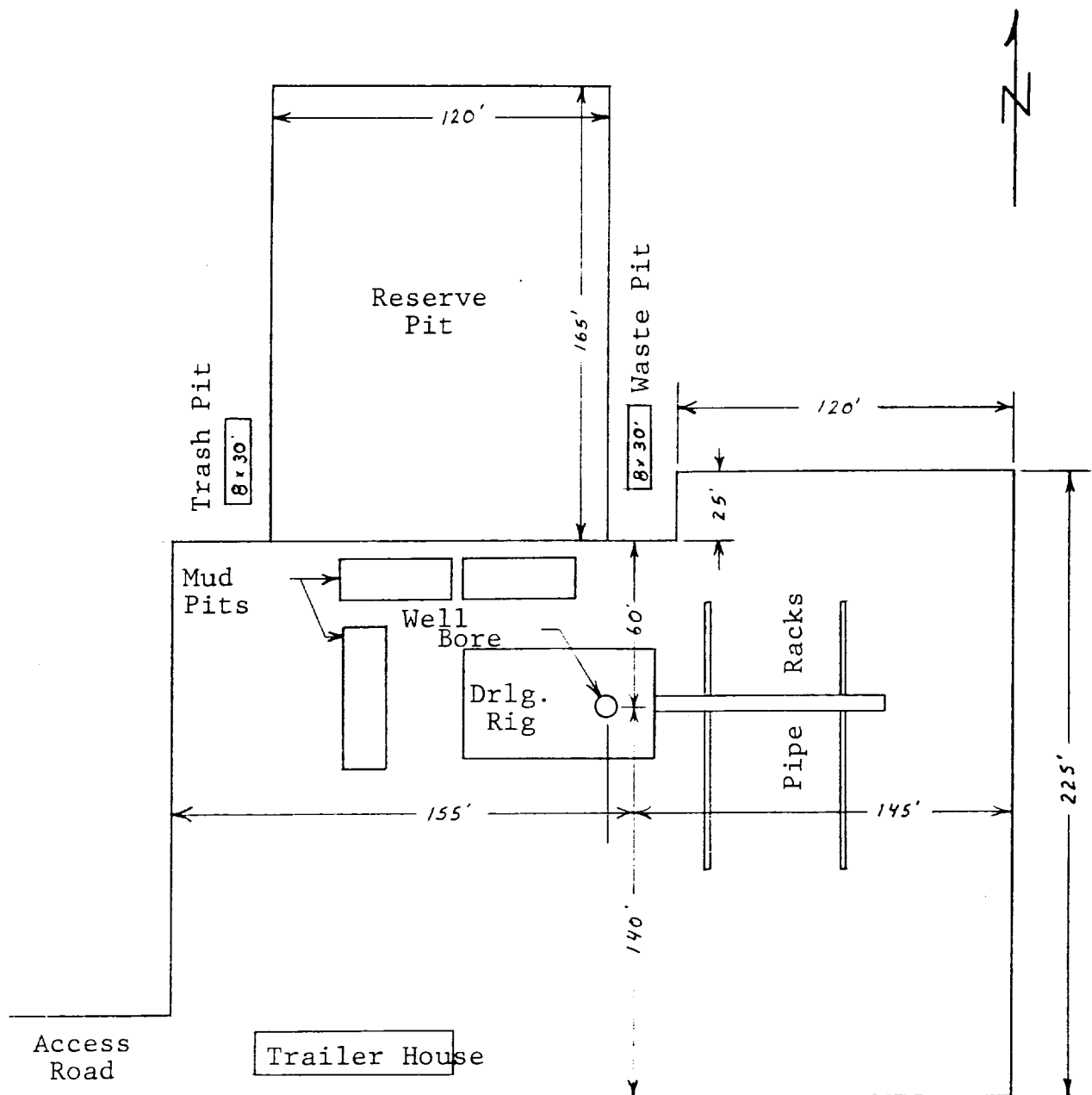
FROM 8-5/8" CASING SEAT TO TOTAL DEPTH

BOP ARRANGEMENT



----- Ranch road
 ————— New road

Exhibit "A"
 MORRIS R. ANTWEIL
 NO. 1 CLAYTON FEDERAL
 2310' FSL & 660' FWL Sec. 19-T19S-R30E
 Eddy County, NM Scale $\frac{1}{2}$ " = 1 MI.



Area Staked for
Archaeological Clearance: 400' X 400'

Exhibit "C"
MORRIS R. ANTWEIL
NO. 1 CLAYTON FEDERAL
Drilling Rig Layout
Scale: None



IN REPLY
REFER TO:

United States Department of the Interior

MINERALS MANAGEMENT SERVICE
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102

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NOV 2 1982

O. C. D.
ARTESIA, OFFICE

1 NOV 1982

Morris R. Antweil
P. O. Box 2010
Hobbs, New Mexico 88240

Dear Sir:

Your application for Permit to Drill well No. 1 Clayton Federal in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 19 S., R. 30 E., Eddy County, New Mexico, lease NM-17055, to a depth of 12,100 feet to test the Morrow formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Supervisor, Minerals Management Service, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(Orig. Signed) - Michael F. Reitz
Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

cc:

✓ NMOCD (2)
BLM - Carlsbad
MM, SCR
DMM - Mining
Regional Files
Roswell District Files
Artesia Sub-District
Suspense File
ARF
RCF

JAGillham/dc/10-26-82