

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 0219603-A	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Mates Petroleum Corporation ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 207 South 4th Street - Artesia, NM 88210		8. FARM OR LEASE NAME Eagle Creek (S.A.)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 330' FWL & 990' FSL of Section 22-17S-25E At proposed prod. zone		9. WELL NO. 8	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles SW of Artesia, NM		10. FIELD AND POOL, OR WILDCAT Eagle Creek (S.A.)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330		11. T, R., M., OR BLK. AND SURVEY OR AREA Sec. 22-17S-25E Unit M	
16. NO. OF ACRES IN LEASE 160		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED 20		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 933		19. PROPOSED DEPTH Approx. 1470'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 3-11-76	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3547' GR		22. APPROX. DATE WORK WILL START* 3-11-76	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32#	Approx 200'	Circulate
9 1/2"	7"	20#	" 1120'	Circulate
6 1/4"	4 1/2 & 5 1/2"	9.5 & 14#	" 1470'	125 sacks

Propose to drill a second San Andres well in this 40 acre-unit. Approx. 200' of surface casing will be set to shut off gravel and caving and intermediate casing will be set 100 feet below the Artesian Water zone. A tapered 4 1/2" and 5 1/2" oil string will be set, perforated and stimulated as needed for production.

Mud Program: - Gel and LCM from surface to 1120', fresh water to TD.

BOP Program: - BOP's will be installed on the 7" casing and tested daily.

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 Christine Tomlinson TITLE Geol. Secty DATE 2-27-76

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE MAR 24 1976  
APPROVED BY [Signature] TITLE DISTRICT ENGINEER DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.

\*See Instructions On Reverse Side

NEW 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.

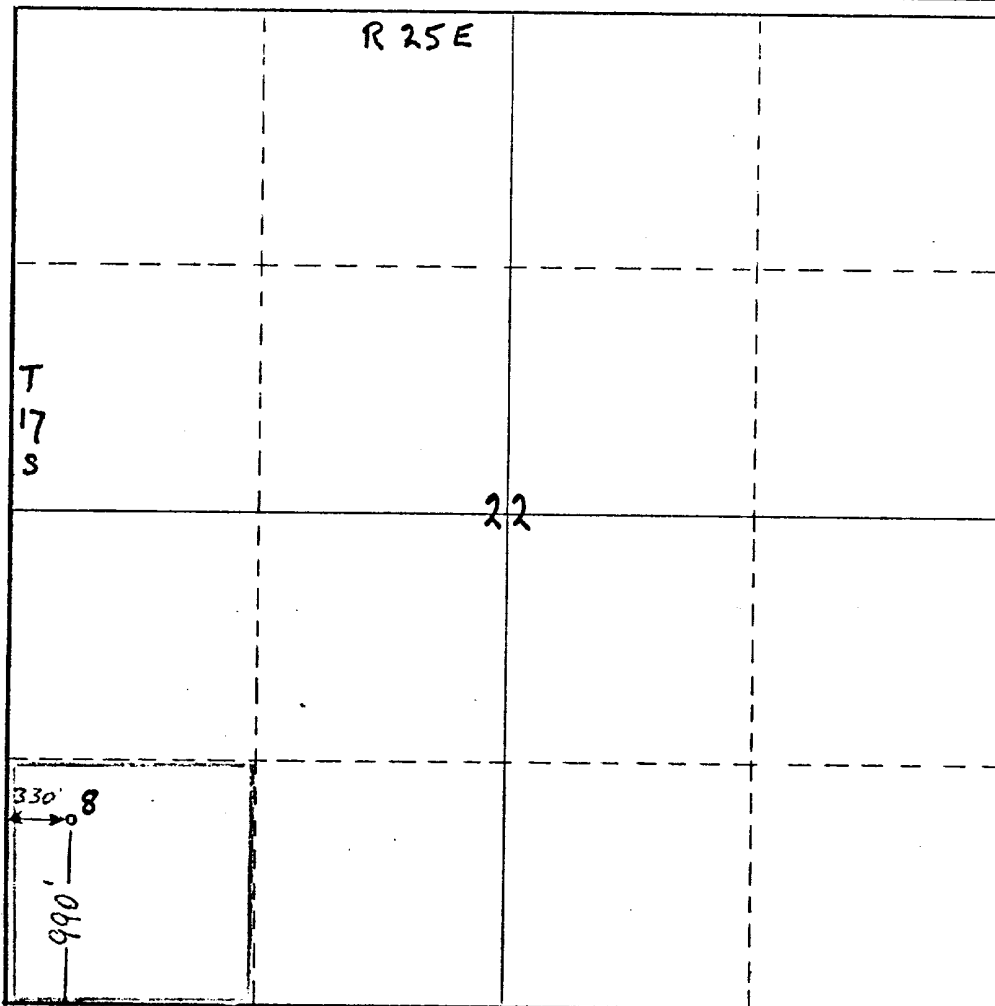
Operator <b>Yates Petroleum Corp.</b>			Lease <b>Federal "BW"</b>		Well No. <b>8</b>
Unit Letter <b>M</b>	Section <b>22</b>	Township <b>17-S</b>	Range <b>25-E</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>330</b> feet from the <b>West</b> line and <b>990</b> feet from the <b>South</b> line					
Ground Level Elev. <b>3547</b>	Producing Formation <b>San Andres</b>	Pool <b>Eagle Creek (S.A.)</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 \_\_\_\_\_

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.

*Eddie M. Mahfood*  
Name  
**Eddie M. Mahfood**

Position  
**Engineer**

Company  
**Yates Pet. Corporation**

Date  
**2-27-76**

RECEIVED

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.

*Eddie M. Mahfood*  
Date Surveyed  
**2-26-76**

Registered Professional Engineer and/or Land Surveyor

Certificate No.  
**4605**

Y.P.C - Federal "BW" No. 8

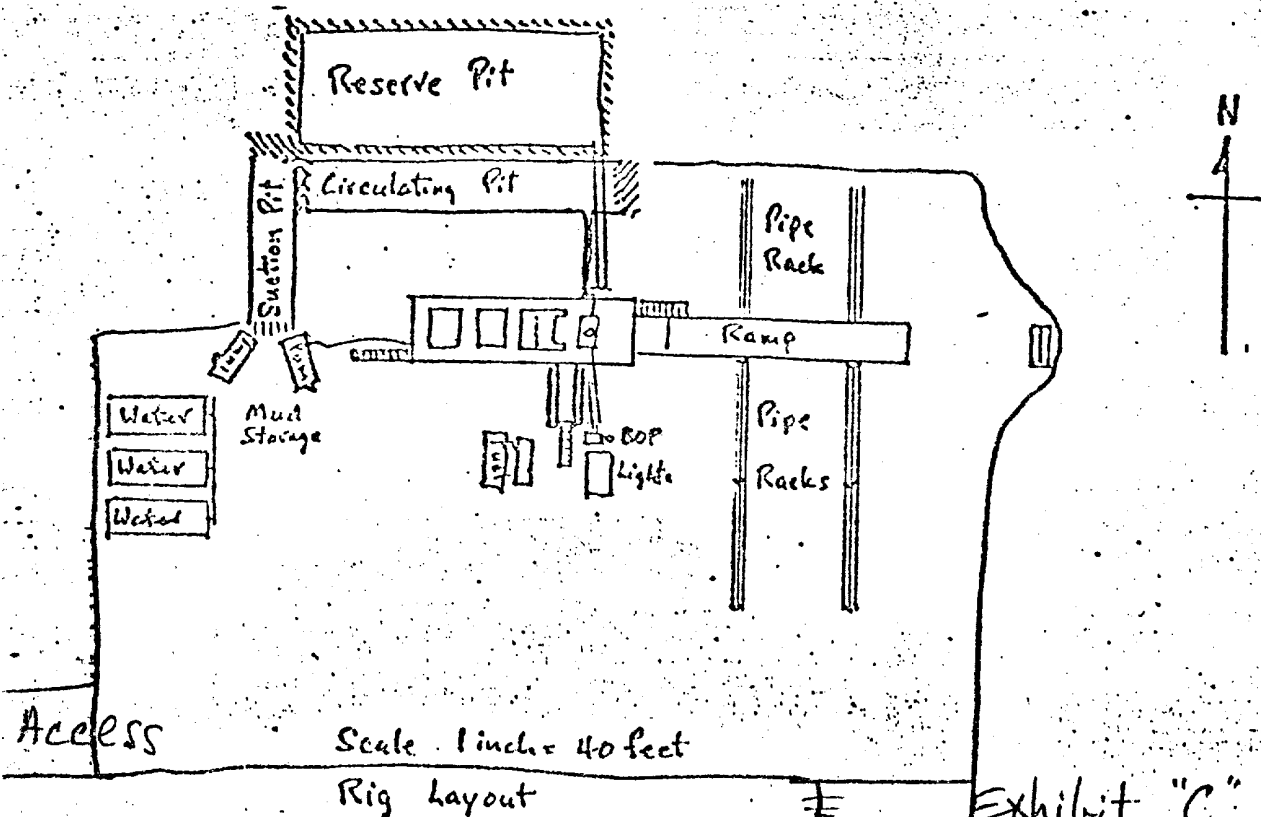
Q30/W 990/S Ser 22-175-25E

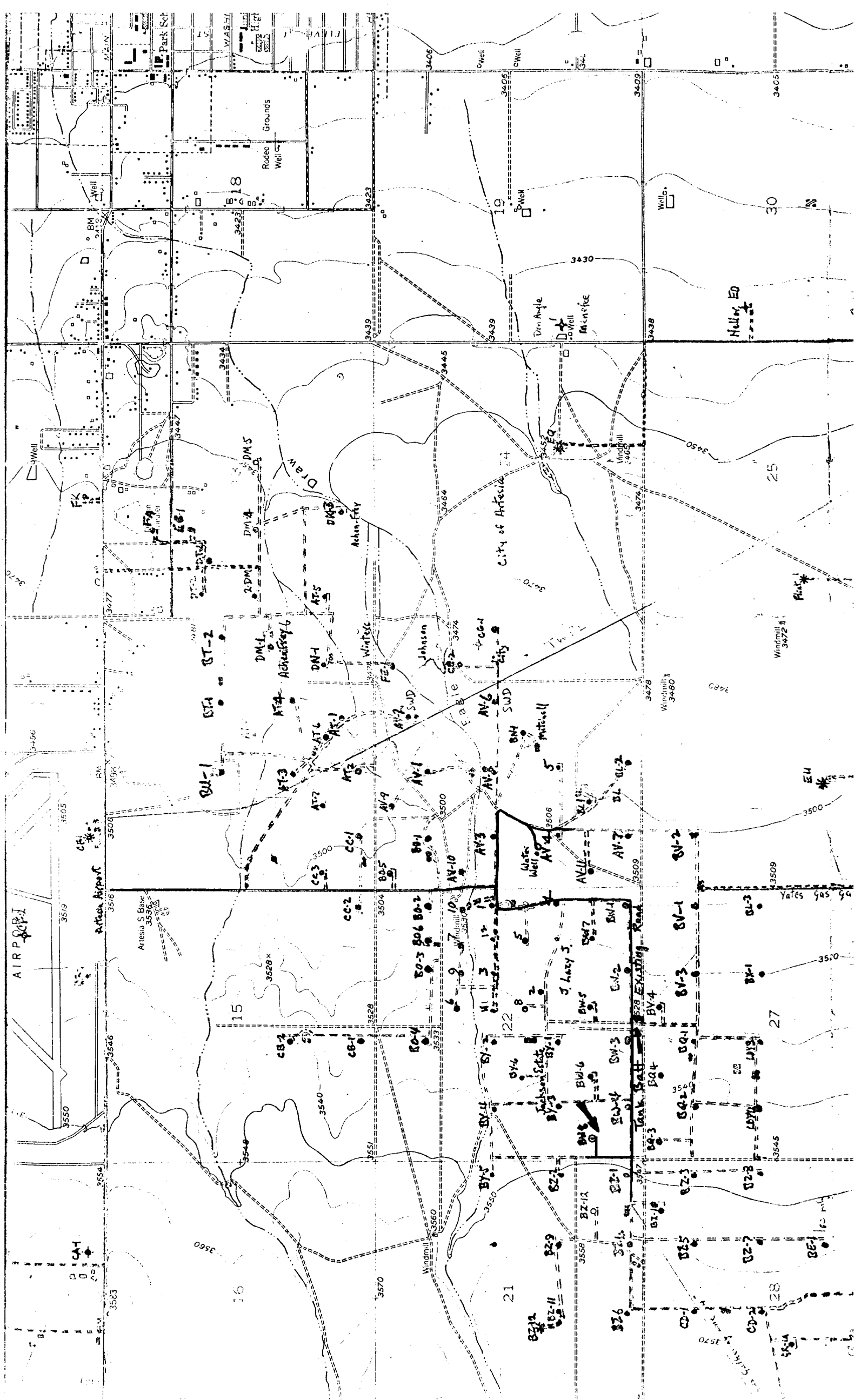
Eagle Creek (S.A), Eddy County, N.Mex

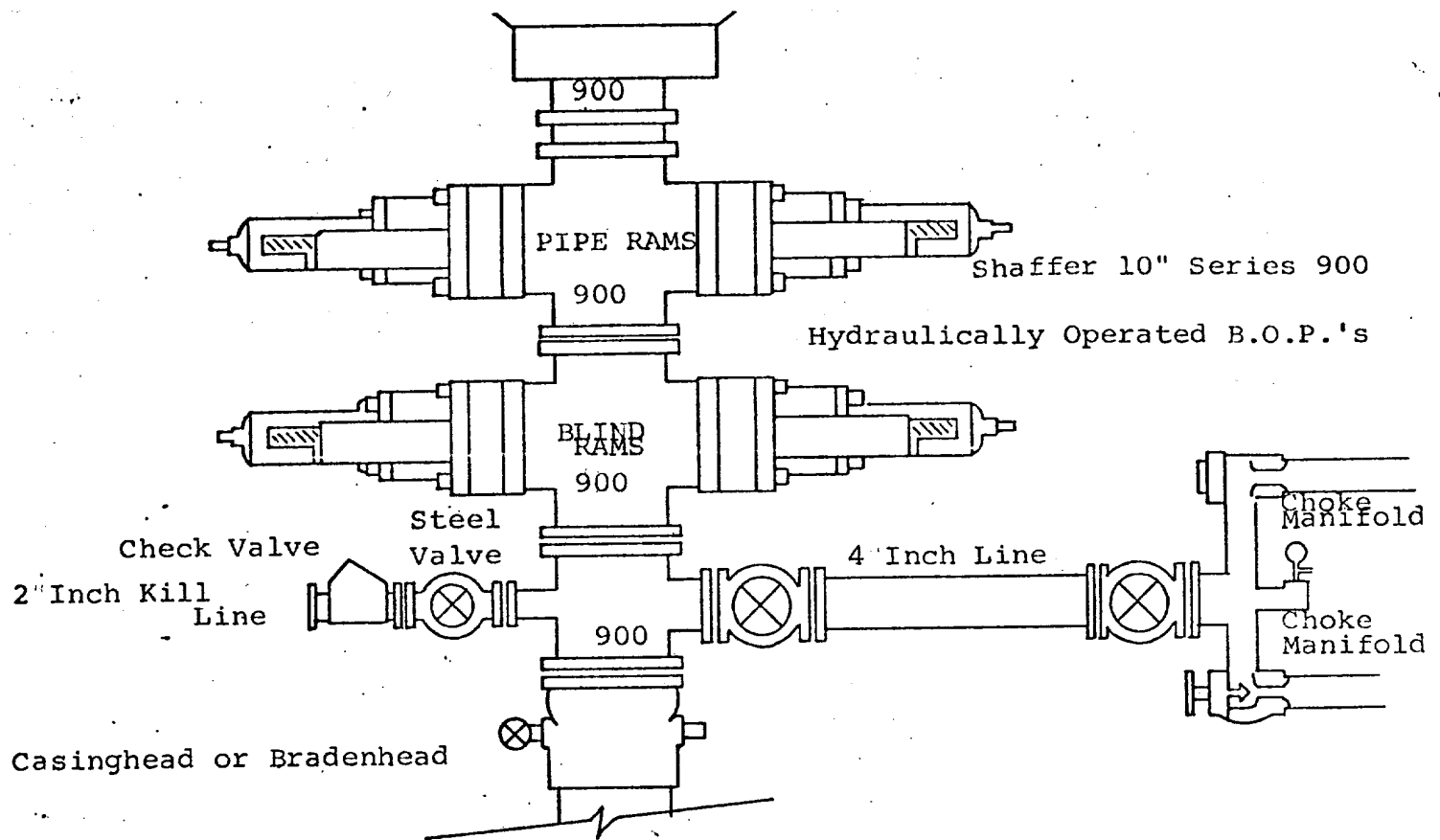
Development plan to accompany "Applications to Drill, Federal Lease".

12-Point Plan.

1. EXISTING ROADS: See Plat (Exhibit A) Lease roads, caliche & maintained by operator
2. PLANNED ACCESS ROADS: See Plat (Exhibit A) Caliche - shortest road to existing road, minimum surface disturbance, surface owner satisfaction
3. LOCATION OF WELLS: See Plat (Exhibit A) Development well in proven oil field.
4. LATERAL ROADS TO LOCATION: See Plat (Exhibit A) None
5. LOCATION OF TANK BATTERY & FLOWLINES: See Plat (Exhibit C) Flowlines alongside access road & existing road to existing tank battery.
6. LOCATION & TYPES OF WATER SUPPLY: See Plat (Exhibit A) Fresh water pumped via pipeline from Eagle Creek source water well.
7. METHODS FOR HANDLING WASTE DISPOSAL: See Sketch (Exhibit C) Mud in earthen pits, trash in barrels. Pits fenced until dry, then leveled, trash buried.
8. LOCATION OF CAMPS: Not Applicable.
9. LOCATION OF AIRSTRIPS: Not Applicable.
10. LOCATION LAYOUT (rig, tanks, pits, racks, etc): See Sketch (Exhibit C)
11. PLANS FOR RESTORATION OF SURFACE: Location cleaned & leveled. Upon abandonment location will be restored to as near original as possible or to the satisfaction of rancher and surface owner.
12. OTHER ENVIRONMENT INFORMATION: Flat terrain with prairie grass, some foliage. Grazing permit; environment protected to satisfaction of rancher, W. E. McElhane, P.O. Box 38, Rt 1, Artesia, N.Mex. 88210, or ph 746-3034.
13. Company Representative - Eddie Mahood. 746-3558







THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
2. Choke outlet to be a minimum of 4" diameter.
3. Kill line to be of all steel construction of 2" minimum diameter.
4. All connections from operating manifolds to preventers to be all steel hole or tube a minimum of one inch in diameter.
5. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
6. All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
7. Inside blowout preventer to be available on rig floor.
8. Operating controls located a safe distance from the rig floor.
9. Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
10. D. P. float must be installed and used below zone of first gas intrusion.