

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 0439900-A		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Yates Petroleum Corporation			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 207 South 4th Street - Artesia, NM 88210			8. FARM OR LEASE NAME Federal "CR"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' FWL & 330' FSL of Section 29-17S-25E  At proposed prod. zone			9. WELL NO. 2		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 7 miles Southwest 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. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29-17S-25E Unit M NMPM		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH 13. STATE Eddy NM		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 467'		
19. PROPOSED DEPTH Approx. 1850'			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3606' GR			22. APPROX. DATE WORK WILL START* As soon as approved		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7"	20, 23#	1000'	400 sx - circulate
6 1/4"	5 1/2 & 4 1/2" Tapered	15.5-9.5#	1850	200 sx

Propose to drill a San Andres test with 9-7/8" hole to 100' below Artesian zone, set 7" casing and circulate cement. If circulation is lost while drilling surface hole, will ream approx. 200' of hole to 15" and run 10-3/4" casing and circulate cement. Production string will be tapered 5 1/2"-4 1/2" casing and we will acidize and Sand Frac thru perforations for production.

Mud Program: - Fresh water gel & LCM to 1000'. Fresh water to Core Point, invested mud to Total Depth.

BOP Program: - BOP's will be installed on 7" casing and pipe rams checked daily for operational.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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 Eddy M. Halyard TITLE O. C. C. Artesia, Office Engineer DATE 3-22-74

(This space for Federal or State office use)

PERMIT NO. 3300

APPROVAL DATE

DECLARED WATER BASIN

APPROVED BY APR 1 1974

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CEMENT BEHIND THE 7" CASING MUST BE CIRCULATED

NOTIFY US IN SUFFICIENT TIME TO WITNESS CEMENTING THE CASING.

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

JUL 1 - 1974 \*See Instructions On Reverse Side

# WELL LOCATION AND ACREAGE DEPOSITION PLAT

Form No. 1  
Supersedes Form No. 1-1-63

All dimensions are in feet unless otherwise specified.

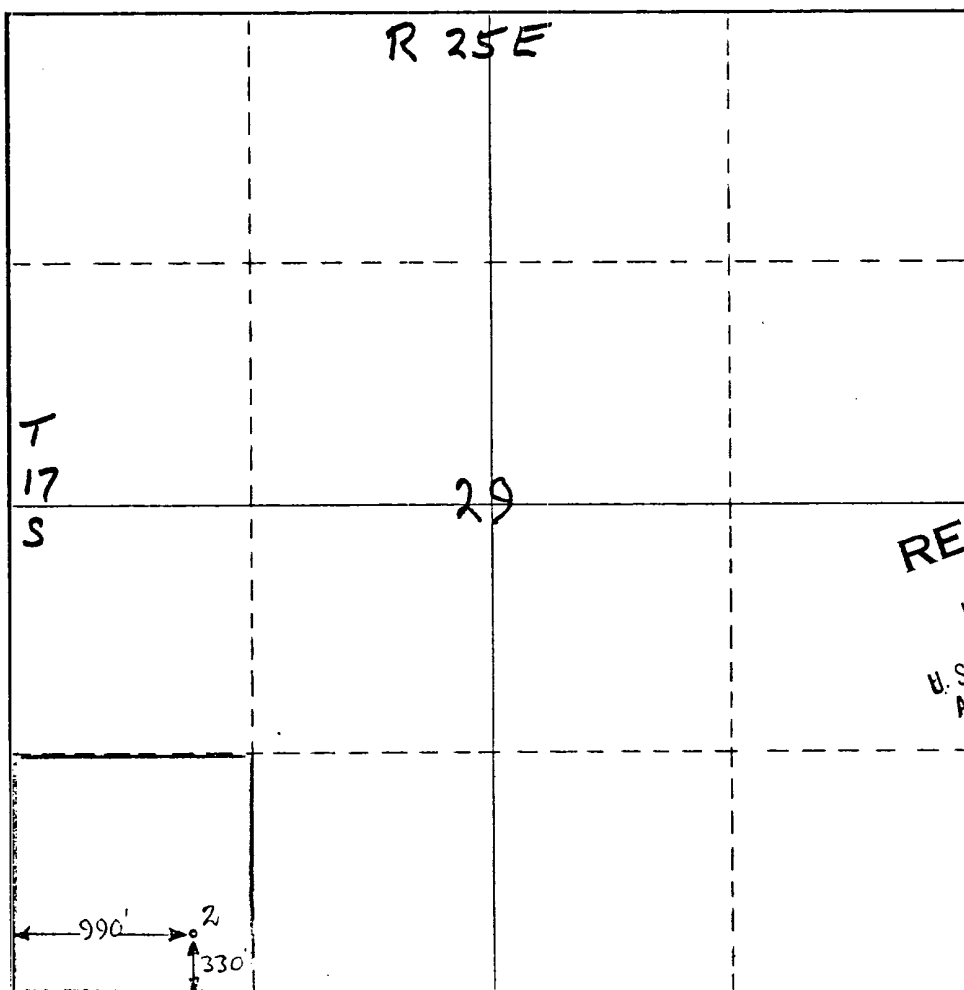
Name of Well		Location of Well		Well No.
Eagle Creek S.A.		330'		2
Section	Township	Range	County	State
29	17S	25E	Lddy	
Distance from Section Corner to Well				
330' South				
Section		Township		Range
29		17S		25E

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 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  
3-22-74

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MAR 22 1974  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO  
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.  
JAMES H. BROWN

Date Surveyed  
March 22nd 1974  
Registered Professional Engineer  
and/or Land Surveyor

*James H. Brown*  
Certificate No. 542

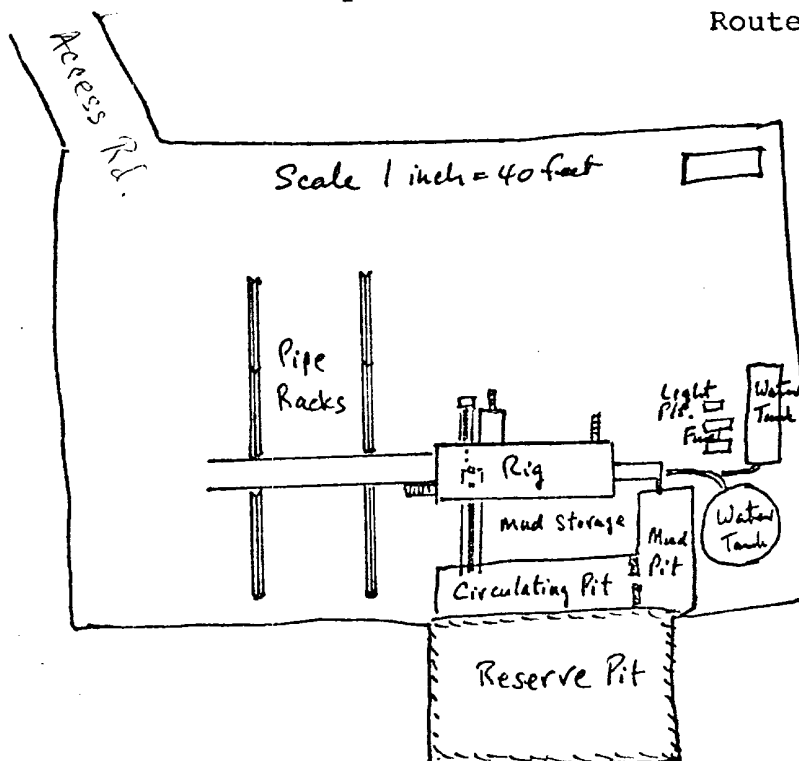
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

YATES PETROLEUM CORPORATION  
Federal "CR" #2 - 990' FWL & 330' FSL  
Section 29-17S-25E - Eddy County, New Mexico

Development plan for surface use to accompany, "Applications to Drill Onshore Oil, Gas, or Geothermal Steam Wells on Public Domain and acquired Federal Lands:"

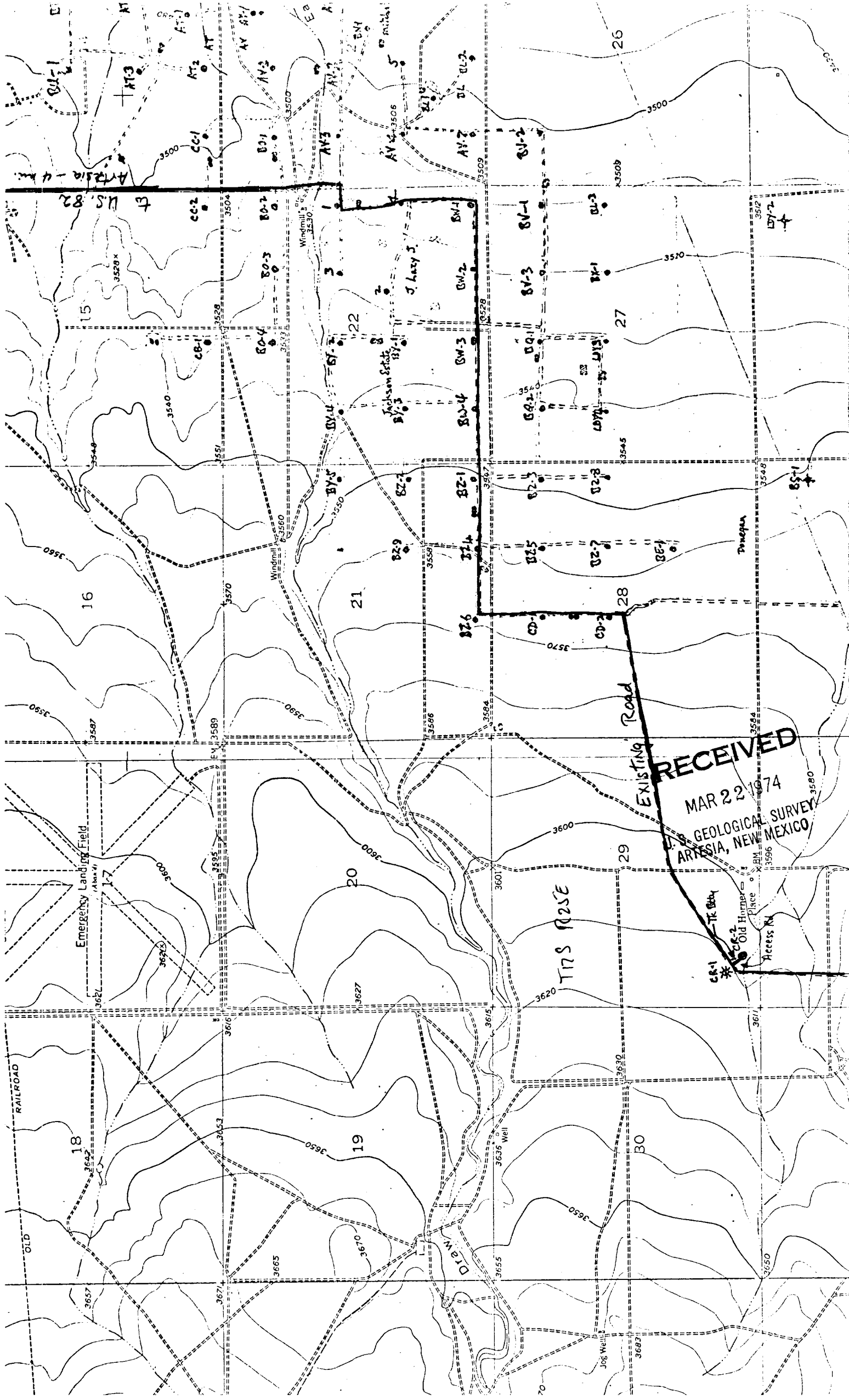
1. Existing roads. See Attached Topo Map - Company maintained caliche roads
2. Planned access roads. See attached Topo Map - To blade road South from Existing road and gravel surface where caliche outcrop is absent.
3. Location of wells. See attached Topo Map - Stepout well in Eagle Creek San Andres Field with good show of oil & gas in No. 1 well.
4. Lateral roads to wells locations. See attached Topo Map - This location is first development well & is near existing road; no lateral needed.
5. Location of tank batteries and flowlines. See attached Topo Map. Tank battery in same 40-acre spacing alongside access road
6. Locations and types of water supply. Fresh water trucked from Service well in Eagle Creek Field
7. Methods for handling waste disposal. Engine oil and mud in circulating pit, trash in trash barrel for subsequent approved disposal (city dump)
8. Location of camps. NA
9. Location of airstrips. NA
10. Location layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. See sketch below.
11. Plans for restoration of the surface. Mud pits will be dried & leveled or fenced, surface restored near original upon abandonment.
12. Any other information which the Approving Official considers essential to his assessment of the impact on the environment. Rolling grassland, grazing permit; environment protected to satisfaction of rancher - W. E. McIlhaney, 746-3034 (505) - Box 38, Artesia NM 88210

Route No. 1



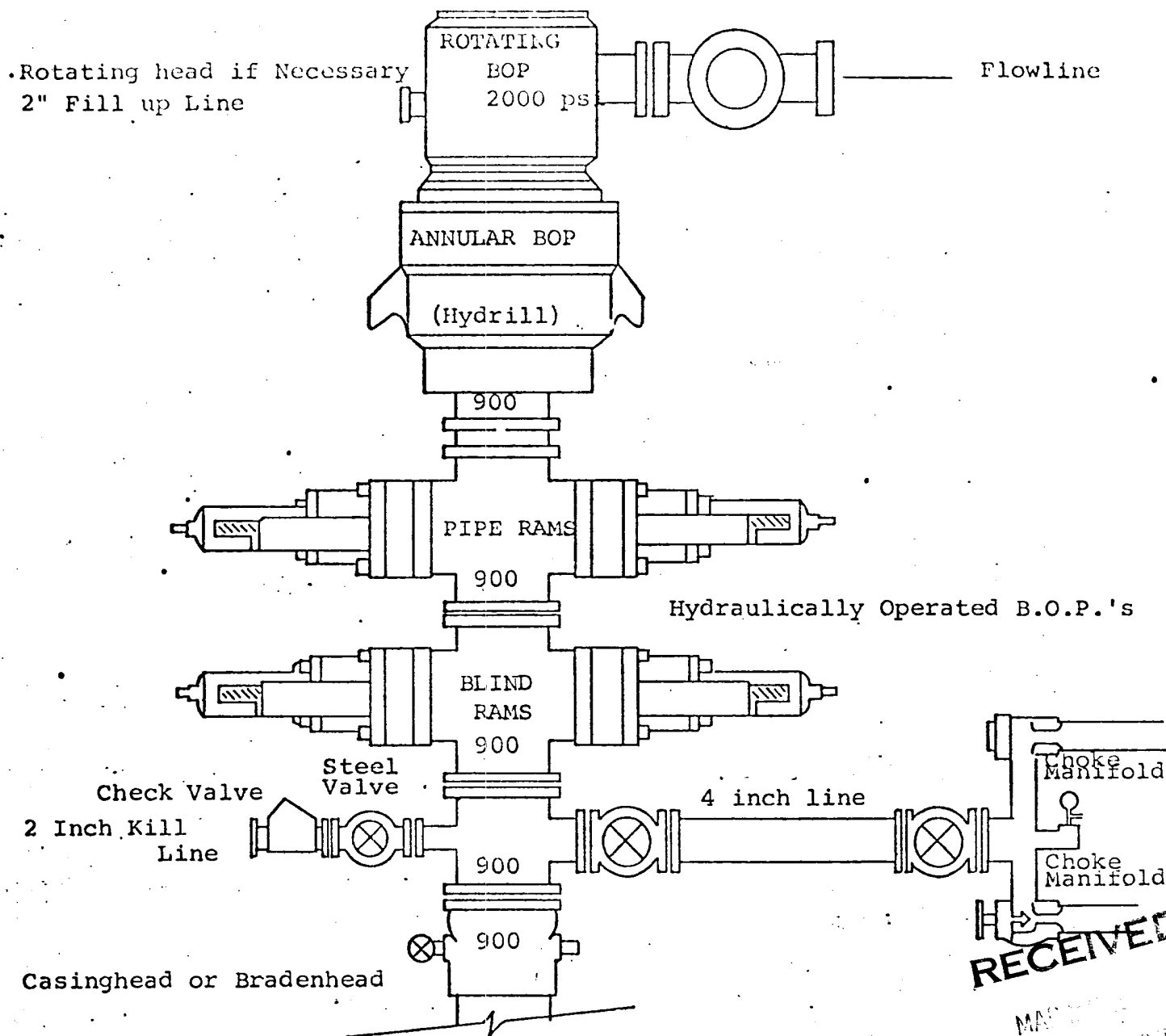
SUBMITTED BY  
YATES PETROLEUM CORPORATION

Eddie M. Mahfood  
Eddie M. Mahfood - Engineer



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ARTESIA, NEW MEXICO

DIAGRAMMATIC SKETCH OF 3000 PSI BOP ASSEMBLY



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. Drill pipe must be installed and used below zone of first gas intrusion.
11. Anticipated Bottom Hole Pressure is less than 400 psi.
12. No Kelly Cock or manual valves necessary.
13. BOP's Tested prior to drilling casing shoe, TD reached estimated 24 hrs.

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