Copy USF

N. M. O. C. C. COPY

Form 9-331 C
(May 1963)

SUBMIT IN [illegible]LICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-21365

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
[illegible]

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. UNIT AGREEMENT NAME

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME
Federal "CB"

2. NAME OF OPERATOR
Yates Petroleum Corporation

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9. WELL NO.
2

3. ADDRESS OF OPERATOR
207 South 4th Street - Artesia, NM 88210

SEP 13 1974

10. FIELD AND POOL, OR WILDCAT
Eagle Creek S.A.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1650' FSL & 2310' FWL of Section 15-17S-25E

O. C. C.
ARTESIA, OFFICE

At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 5 miles West of Artesia, NM

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1650'

16. NO. OF ACRES IN LEASE

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.

19. PROPOSED DEPTH
Approx. 1500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3540' 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
15"	10-3/4"	32#	Approx. 200'	Circulate
9½"	7"	20#	" 1100'	Circulate
6¼"	4½"&5½") Tapered	9.5&15.5#	" 1500'	Circulate

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

We propose to drill a 15" hole to approximately 200', set 10-3/4" casing, if necessary, and circulate, then drill a 9½" hole to 100' below the Artesian Zone, set 7" surface casing and circulate, reduce hole to 6¼" and drill to TD of approximately 1500', run a tapered string of production casing, cement, perforate and Sand Frac for Slaughter production.

Mud Program: Fresh water gel and LCM to 1100' (or dry drill), water from casing point to TD.

BOP Program: BOP's will be installed on 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 Eddie M. Mahfood TITLE Engineer DATE 8-30-74

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
SEP 12 1974
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES DEC 12 1974

*See Instructions On Reverse Side

DECLARED WATER BASIN
CEMENT BEHIND THE 10¾" 7" CSG MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO WITNESS CEMENTING THE 7" CASING.

NE EXICO OIL CONSERVATION COMMISSIC

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	Lease	Well No.
Yates Petroleum Corp	Federal "B"	2

Unit Letter	Section	Township	Range	County
K	15	17 South	25 East	Eddy

Actual Footage Location of Well:
1650 feet from the South line and 2310 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3540	SanAndres	Eagle Creek San Andres	40 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.

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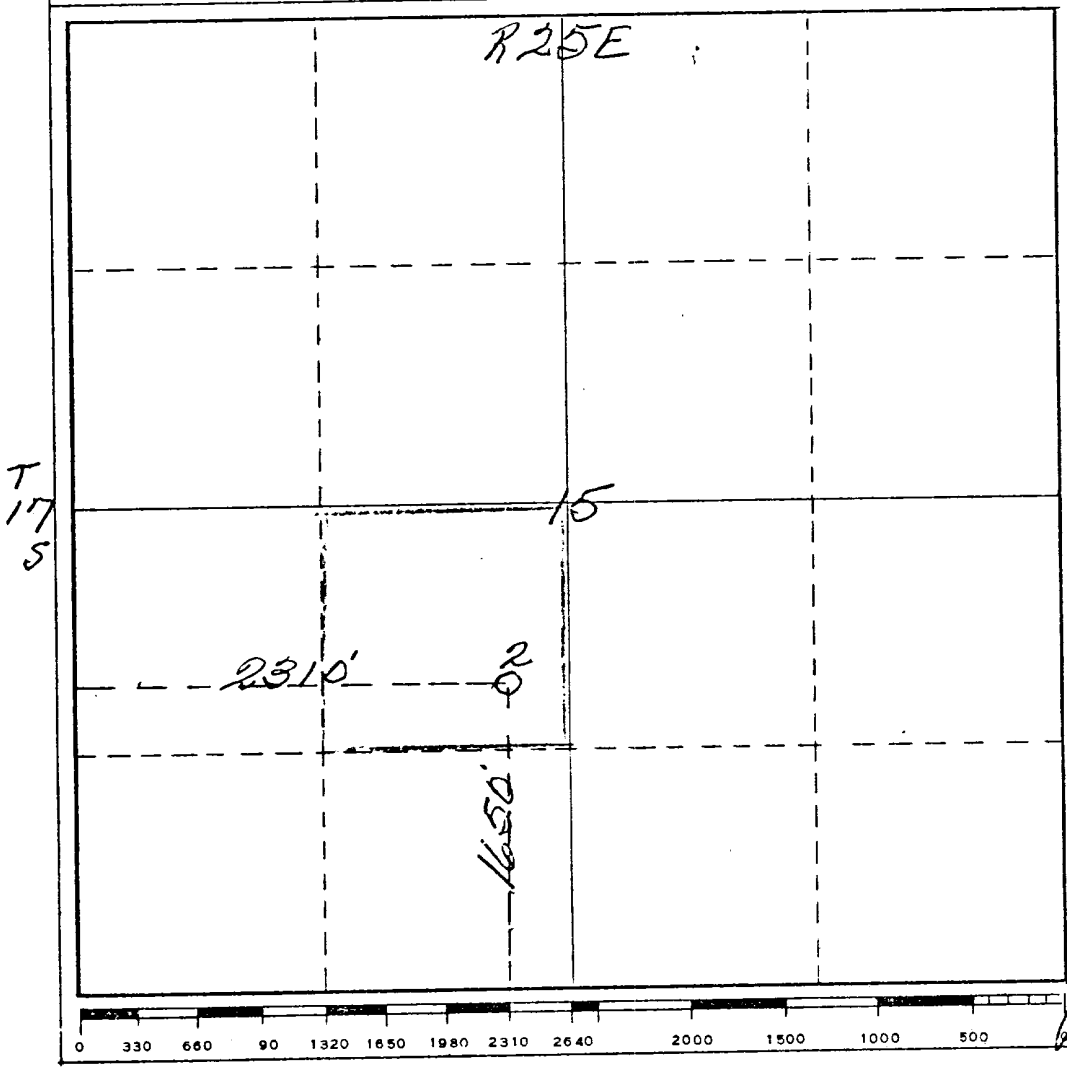
ROSWELL, NEW MEXICO



CERTIFICATION

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

Name: Eddie M. Mahfood

Position: Engineer

Company: Yates Petroleum Corp

Date: 8-30-74

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.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
NEW MEXICO
JAMES H. BROWN

Date Surveyed: August 29th 1974

Registered Professional Engineer and/or Land Surveyor

James H. Brown

Certificate No. 542

Yates Petroleum Corporation
Federal "CB" #2 1650' FSL and 2310' FWL
Section 15-T17S-R25E, 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 North from existing road.
3. Location of wells. See attached Topo map. Development well in Eagle Creek San Andres Field.
4. Lateral roads to wells locations. See attached Topo map. This location is near tank battery and existing road; no lateral needed.
5. Location of tank batteries and flowlines. See attached Topo map. Tank battery in same 40-acre spacing.
6. Locations and types of water supply. Fresh water piped from source 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 N.A.
9. Location of airstrips. N.A.
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 and 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, Box 38, Routel, Artesia, New Mexico 88210.

The affected Federal and State surface managing agencies shall have access to or, if feasible, may be provided with copies of such development.

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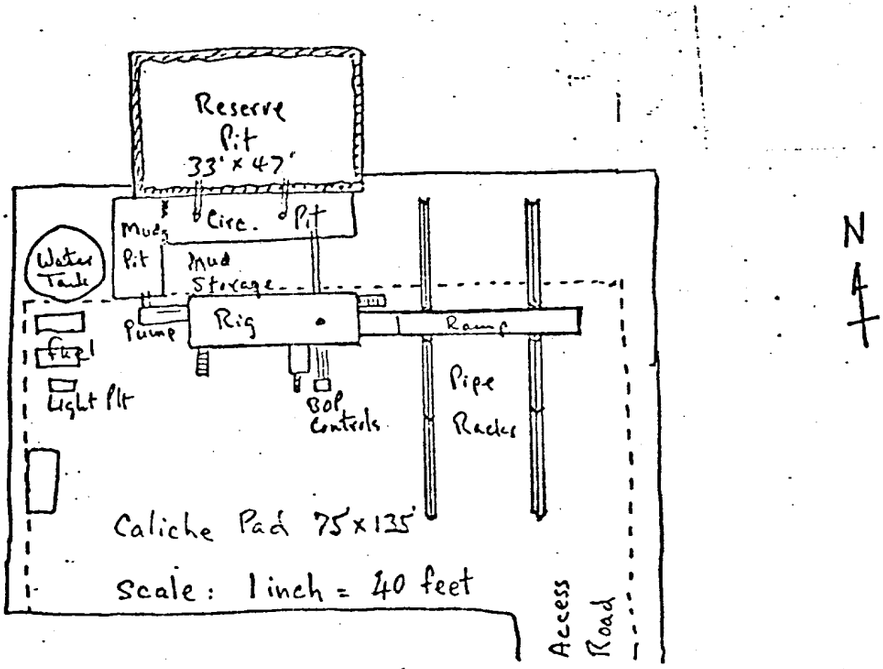
ARTESIA, NEW MEXICO



Submitted by:

Yates Petroleum Corporation

BY Eddie M. Mahfood

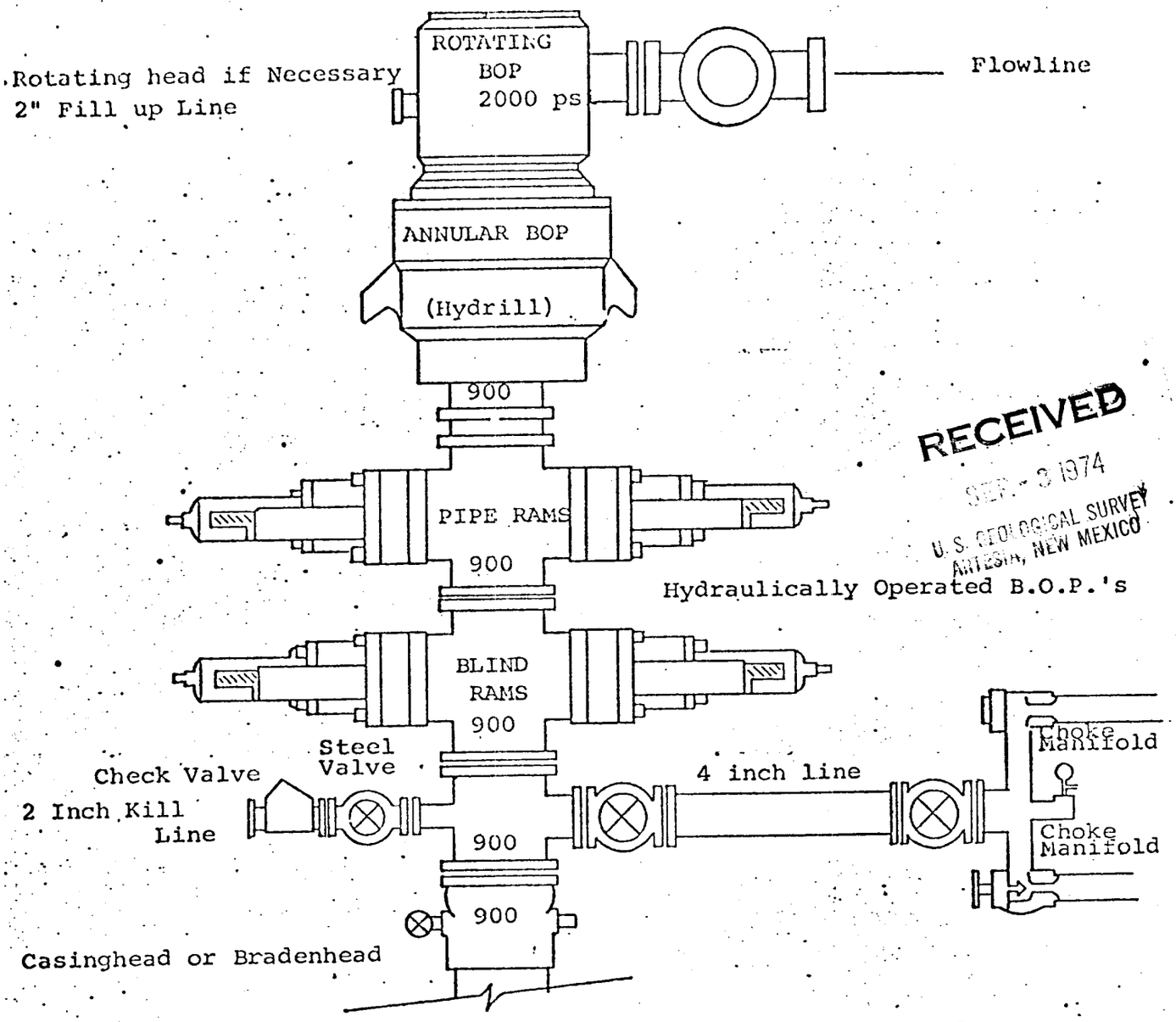
Eddie M. Mahfood -Engineer

Approved by:

U. S. Geological Survey

BY _____

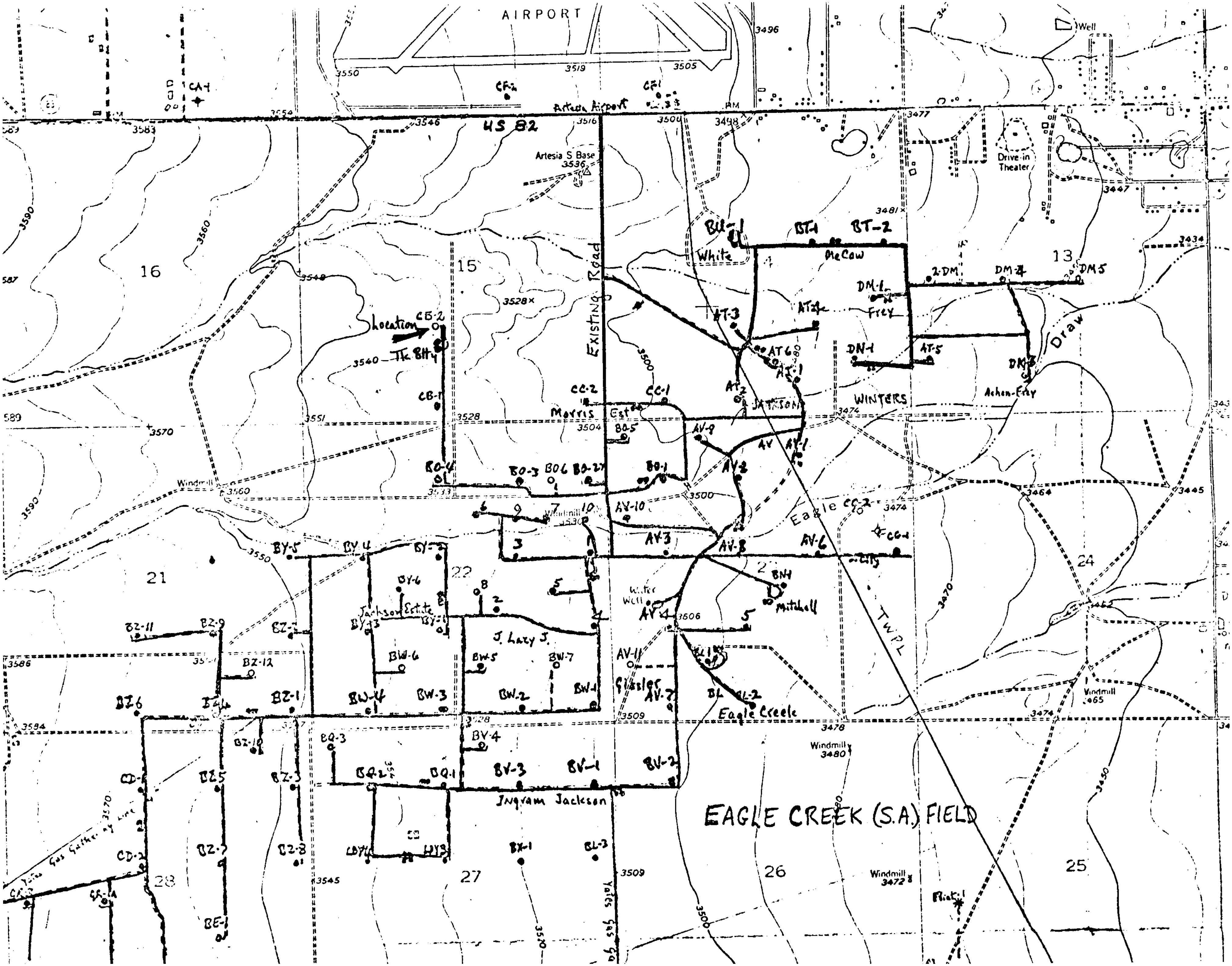
DIAGRAMMATIC SKETCH OF 3000 PSI BOP ASSEMBLY



Hydraulically Operated B.O.P.'s

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" mimimum 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.



AIRPORT
US 82
Artesia Airport
Artesia S Base
Drive-in Theater
Well
Existing Road
Location
CB-2
Tk Btty
CB-1
16
15
13
21
22
24
25
26
27
28
White
McCow
Frey
WINTERS
Achen-Frey
Draw
Morris Est
Jackson Estate
J. Lazy J.
Water Well
Mitchell
Eagle CC-2
Eagle Creek
Gissler
Ingram Jackson
Yates Gas Gathering Line
TWPL
Windmill
EAGLE CREEK (S.A.) FIELD