

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-639-22517

5. LEASE DESIGNATION AND SERIAL NO.  
NM 4454

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
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7. UNIT AGREEMENT NAME  
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8. FARM OR LEASE NAME  
Schalk 54

9. WELL NO.  
2A

10. FIELD AND POOL, OR WILDCAT  
Blanco Mesa Verde

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 2, T-30N, R-5W

12. COUNTY OR PARISH | 13. STATE  
Rio Arriba | N.M.

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐

## 2. NAME OF OPERATOR

Schalk Development Company

## 3. ADDRESS OF OPERATOR

P. O. Box 25825, Albuquerque, N. M. 87125

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

At surface 1625' FNL; 790' FEL; Sec. 2, T-30N, R-5W;  
At proposed prod. zone Rio Arriba County, New Mexico

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

50 miles East of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

790'

## 16. NO. OF ACRES IN LEASE

640

637.72

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 E/318.93

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

200'

## 19. PROPOSED DEPTH

6050'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6595' GR

## 22. APPROX. DATE WORK WILL START\*

10-01-80

## 23.

## 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#	300'	300 sacks
8-5/8"	4-1/2"	10.5#	6050'	450 sacks

This action is subject to a future  
appeal procedure.

## FORMATION TOPS

Ojo Alamo 2745'  
Kirtland 2868'  
Pictured Cliffs 3395'  
Lewis 3452'  
Cliff House 5570'  
Menefee 5615'  
Point Lookout 5812'  
Mancos 5900'

Estimated depths at which anticipated  
water, oil, gas or other minerals  
are expected to be encountered:

3395' 5615'  
5570' 5812'

Blow-out Preventer: Schaffert  
Double-Gate, Hydraulic, 9000  
series.No anticipated abnormal pressure  
is expected.

Tested when surface casing set.

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 [Signature] TITLE Managing Partner DATE 9-5-80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

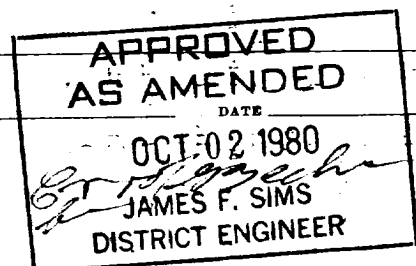
APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



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

Form C-102  
Supersedes C-1  
Effective 1-1-61

All distances must be from the outer boundaries of the Section.

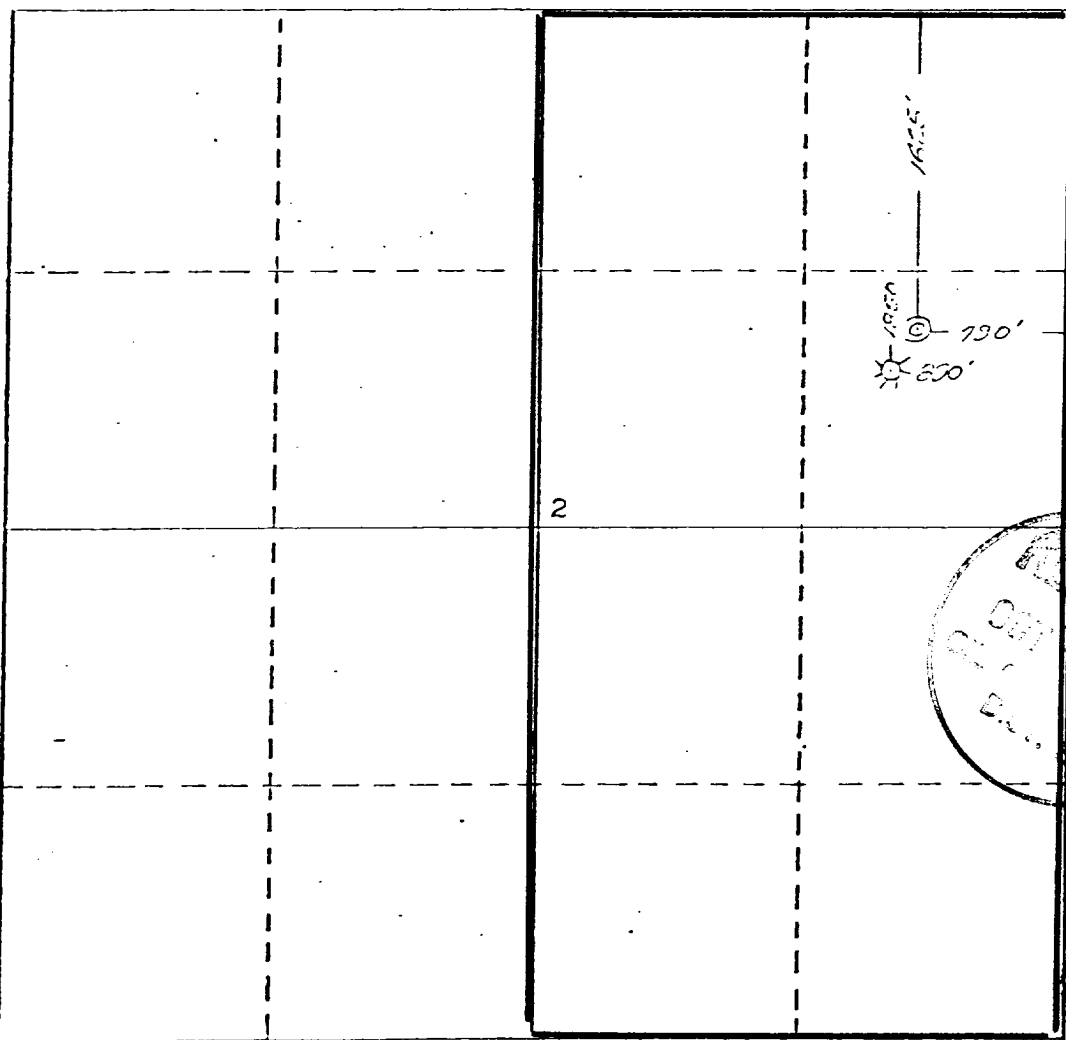
Operator <b>SCHALK DEVELOPMENT CO.</b>			Lease <b>SCHALK 54</b>		Well No. <b>2 A</b>
Unit Letter <b>H</b>	Section <b>2</b>	Township <b>30 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>1625</b> feet from the <b>NORTH</b> line and</span> <span><b>790</b> feet from the <b>EAST</b> line</span> </div>					
Ground Level Elev. <b>6595</b>	Producing Formation <b>Mesa Verde</b>	Pool <b>Blanco Mesa Verde</b>		Dedicated Acreage: <b>320 3/8 ACRES</b>	

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.

Name  
**John E. Schalk**  
 Position  
**Managing Partner**  
 Company  
**Schalk Development Co.**

Date  
**9-5-80**

I hereby certify that the information 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  
**August 25, 1980**  
 Registered Professional Engineer  
 and/or Land Surveyor

**James P. Leese**  
 Certificate No.  
**1463**

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

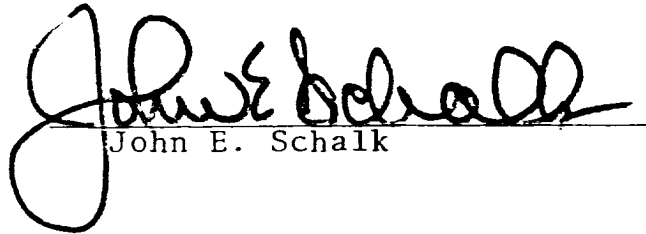
- 1) Existing Roads: Jeep road departs from Highway 64 and goes in a Northeasternly direction through Section 3. Road turns East, Southeast after crossing Section line into Section 2. Road passes by proposed location.
- 2) Planned access Roads: None.
- 3) Location of existing wells: See attached Map.
- 4) Location and type of water supply: Water will be taken from Navajo Lake and transported to location by truck.
- 5) Source of construction materials: None.
- 6) Methods of handling waste disposal: Cuttings to be disposed of in a reserve pit; a burn pit to be used for disposal of trash, garbage, etc.; and covered on clean-up of location.
- 7) Ancillary facilities: None.
- 8) Well site layout: Per attached drawing.
- 9) Restoration of Surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of surface. Restoration will be to the satisfaction of the U.S.G.S.
- 10) This location slopes at an increase of 7' per 400' to the North. There will be approximately a 5' to 8' cut on the North side of the proposed location. Vegetation is described in attached archaeological report. The surrounding area is comparable and any disturbances of the wildlife will be only temporary. With the restoration of surface, surface damage will be minimal.
- 11) Lessee's or Operator's representatives: John E. Schalk, P. O. Box 25825, Albuquerque, New Mexico, 87125; Steve Schalk, 6200 Rio Hondo, NE, Albuquerque, New Mexico; or Joe D. Christesson, 2301 Southside River Road, Farmington, New Mexico, 87401.

## CERTIFICATION

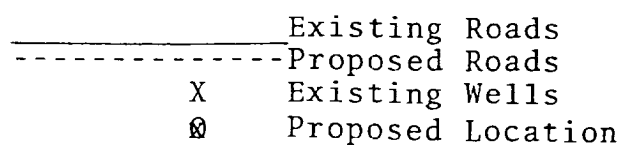
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Arapahoe Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

9-5-80

Date



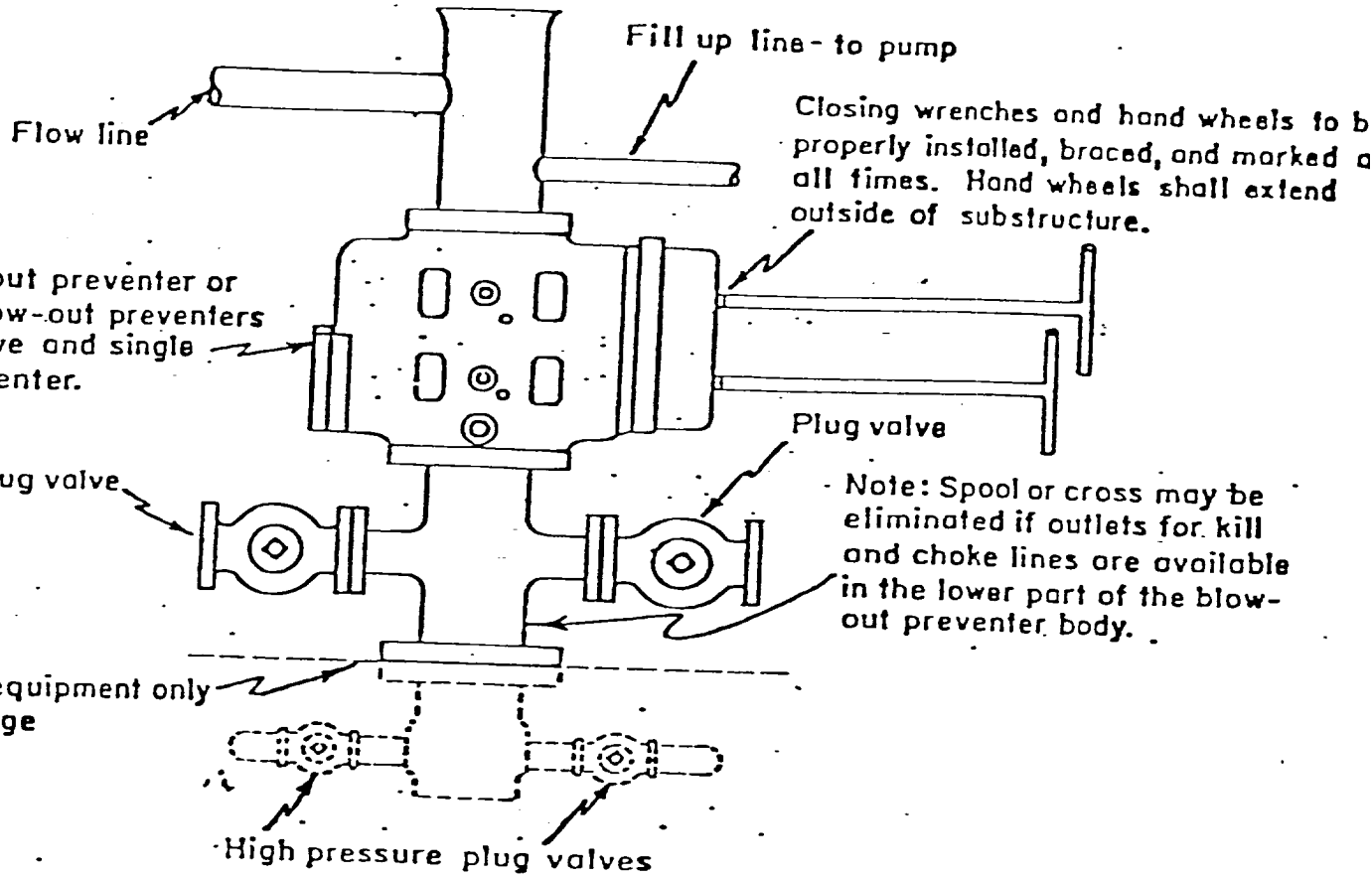
John E. Schalk

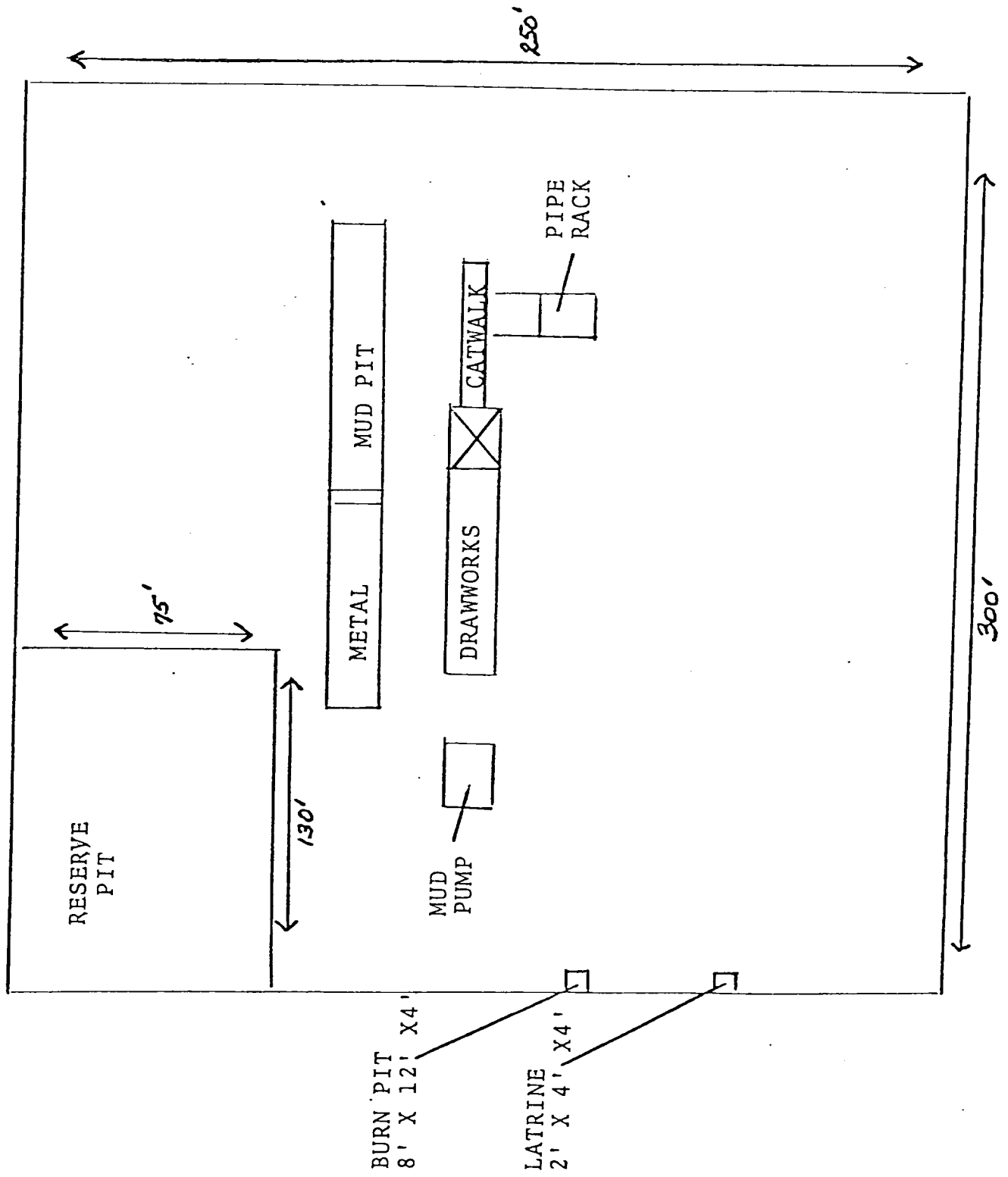


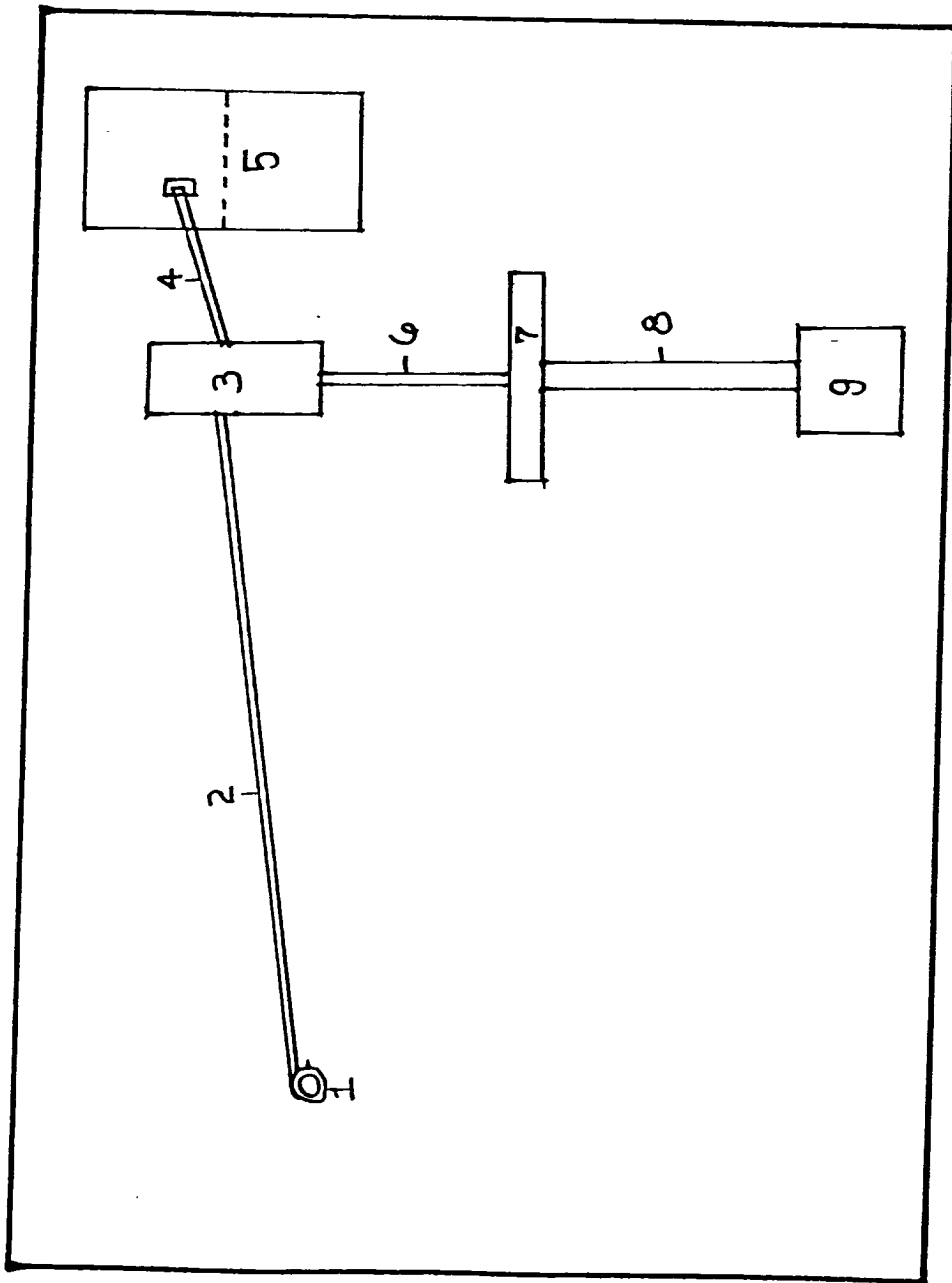
# ARAPAHOE DRILLING CO.

## BLOW-OUT PREVENTER HOOK-UP

Drilling nipple to be so constructed that it can be removed, without use of a welder, through rotary table opening







- 1) W-K-M Wellhead; 2" - 2000# valves throughout.
- 2) Fifty foot long, 2" underground line from the wellhead to the separator; rated to 4000#.
- 3) P & A, Inc. separator. Rated to handle 2000 MCF/day.
- 4) 2" above ground line to water pit.
- 5) Water pit; 10' x 10' x 4'.
- 6) 2" underground line from separator to dehydrator.
- 7) Northwest Pipeline's dehydrator.
- 8) 40 foot long, 4" meter run from dehydrator to meter house.
- 9) Northwest Pipeline's meter house.