

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-21682

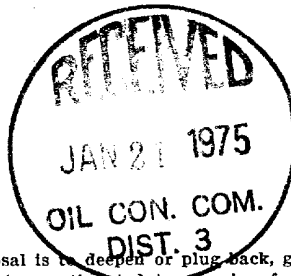
## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF 078439	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 Union Texas Petroleum, <del>A Division of Allied Chemical</del> Corporation			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Suite 1122, 1860 Lincoln Street, Denver, Colorado 80203			8. FARM OR LEASE NAME Johnston-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface NW SE (1710' FSL, 1580' FEL) Section 33-T31N-R9W At proposed prod. zone Same			9. WELL NO. 22 44	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles east of Aztec, New Mexico			10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde Field	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1580			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 33-T31N-R9W	
16. NO. OF ACRES IN LEASE 2446			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 316.40			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1880			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6356 GR			22. APPROX. DATE WORK WILL START* 2-1-74	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	10-3/4" OD	32.75#	300	300 sx (circulate)
9"	7" OD	20#	3,000	550 sx
6-1/4"	4-1/2" OD liner	9.5#	2,900-5,400	200 sx

We propose to drill and equip a gas well to an approximate depth of 5400 ft. and complete in the Mesaverde formation.

Well control equipment will comply with API 3 M RdS specifications.



JAN 20 1975

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 Assistant Dist. Prod. Mgr. DATE 12-18-74

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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-128  
Effective 1-1-65

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

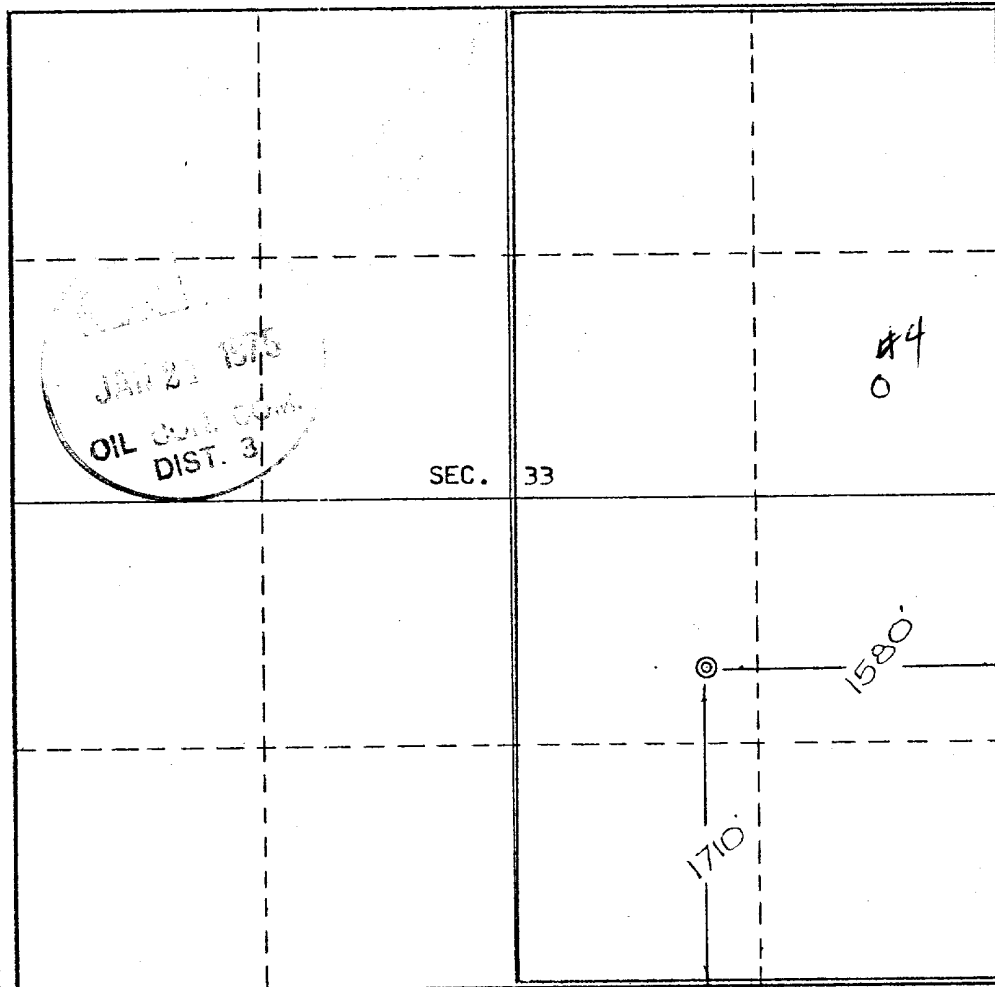
Operator <b>Union Texas Petroleum Corp.</b>		Lease <b>Johnston-Federal</b>		Well No. <b>#4A</b>
Unit Letter <b>J</b>	Section <b>33</b>	Township <b>31 North</b>	Range <b>9 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1710</b> feet from the <b>South</b> line and <b>1580</b> feet from the <b>East</b> line				
Ground Level Elev. <b>6356</b>	Producing Formation <b>Mesaverde</b>	Pool <b>Blanco Mesaverde</b>	Dedicated Acreage: <b>316.40</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.

*Donald B. Wells*  
Name **Donald B. Wells**

Assistant Dist. Prod. Mgr.

Position

Union Texas Petroleum

Company

December 18, 1974

Date

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.

*E.V. Echhawk*  
E.V. ECHOHAWK

Date Surveyed

December 12, 1974

Registered Professional Engineer and/or Land Surveyor

DENVER

Certificate No. **3602**  
E.V. Echhawk LS

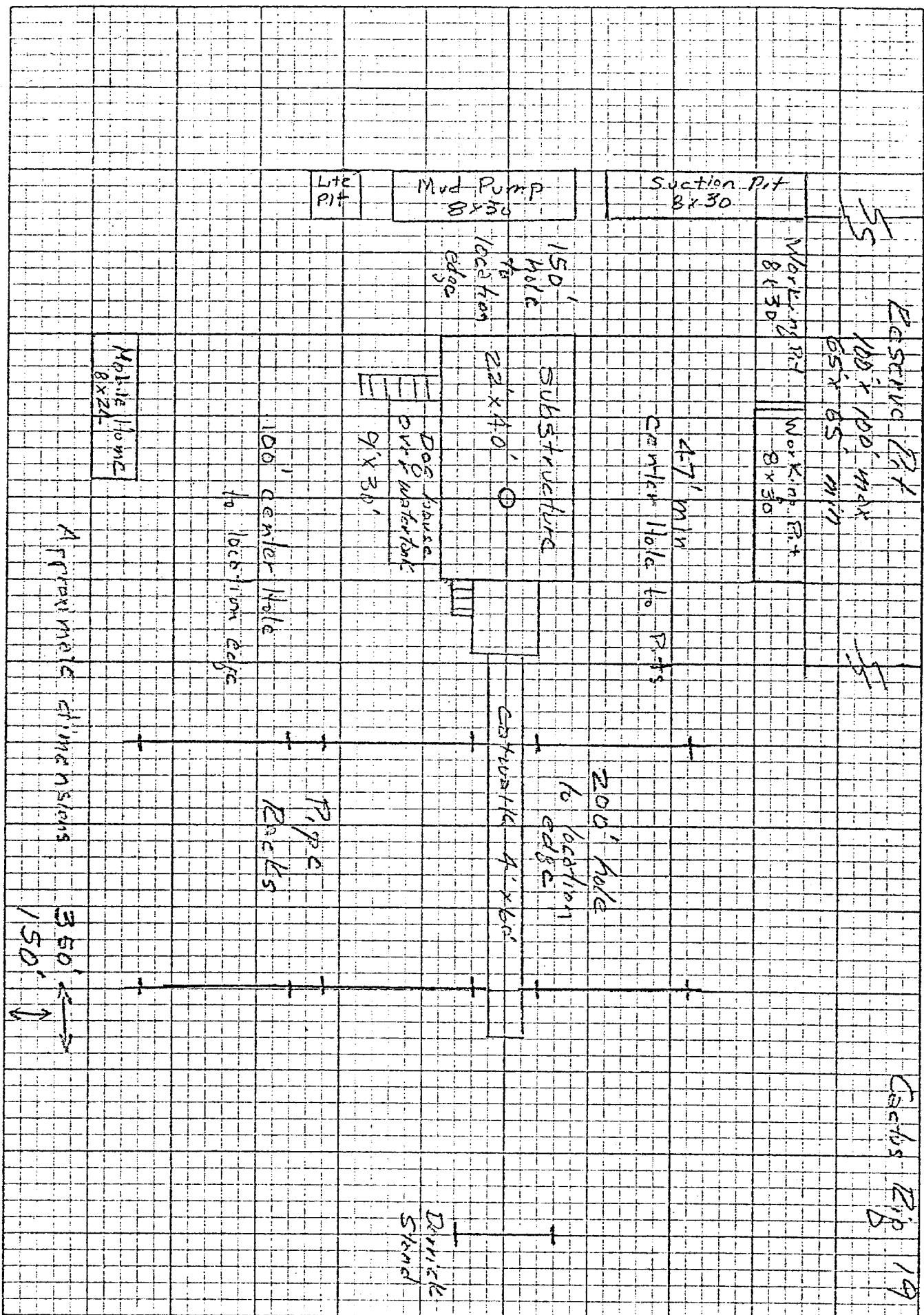
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

DEVELOPMENT PLAN FOR SURFACE USE

Johnston-Federal #12  
NW SE Section 33-T31N-R9W  
(1710' FSL, 1580' FEL)  
Blanco Mesaverde Field  
San Juan County, New Mexico

1. Existing roads including location of the exit from the main highway.  
See topographic map attached.
2. Planned access road.  
See topographic map attached.  
There will not be any new access roads built.
3. Location of existing wells.  
See topographic map attached.
4. Lateral roads to well locations.  
See topographic map attached, with planned laterals shown in red.
5. Location of tank batteries and flow lines.  
Single storage tank will be set as close to well as practicable.
6. Location and type of water supply (rivers, creeks, lakes, ponds, well, etc.)  
There will not be any water lines for drilling this well. Drilling Contractor will haul his own water to the well location.
7. Methods of handling waste disposal.  
Waste will be disposed of in an earthen pit which will be covered with approximately 2' of soil upon completion of this well.
8. Location of camps.  
None.
9. Location of  
None.







## OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
1000 RIO BRAZOS RD. - AZTEC

87410

March 6, 1975

I. R. TRUJILLO  
CHAIRMAN

LAND COMMISSIONER  
PHIL R. LUCERO  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

Mr. Donald B. Wells  
Union Texas Petroleum Corporation  
Suite 1122, Lincoln Tower Bldg.  
Denver, Colorado 80203


Re: Random Deviation  
Johnston Federal #4 A, J-33-31N-9W  
Blanco Mesaverde Pool

Dear Mr. Wells:

New Mexico Oil Conservation Commission Rule 111, Paragraph b, states that the District Supervisor of the district in which a well is located may approve the intentional deviation of a well in an indeterminate direction if such deviation is done for purpose of sidetracking junk in the hole. As your case meets the requirements of this rule, the above approval is being accomplished by approval of form C-103 which you have submitted. Order R-1670 T requires that an infill well in the Blanco Mesaverde Pool be located on a quarter section not having another Mesaverde well located on it. The surface location of the Johnston Federal #4 A well is a distance of 930 feet from the center line of the section and your bottom hole location must be south of this line to be legal. Therefore if your total deviation exceeds 930 feet the Commission will require a directional survey. The rules provide that the Secretary-Director of the Commission may require that a direction survey be made in any event if he determines that for any reason it is necessary.

I am mailing copies of this letter along with an approved copy of your form C-103 to Mesa Petroleum Corporation, El Paso Natural Gas Co. and Tenneco Oil Co. who are offset operators to this lease.

Yours very truly,

  
Emery C. Arnold  
Supervisor, District #3

ECA:mc

cc: El Paso Natural Gas Co., Farmington, NM  
Tenneco Oil Co., Denver, Colorado  
Mesa Petroleum Co., Aztec, NM  
U. S. G. S., Farmington, NM  
Oil Conservation Commission, Santa Fe, NM



Union Texas Petroleum Division  
Suite 1122 Lincoln Tower  
Denver, Colorado 80203



March 4, 1975

New Mexico Oil Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Attention: Mr. Emery Arnold

Re: Johnston-Federal #4 A  
NW SE Section 33-T31N-R9W  
Blanco Mesaverde Field  
San Juan County, New Mexico

Dear Mr. Arnold:

Administrative approval is hereby requested for the random deviation of the subject well.

A brief summary of the events leading to the necessity for deviating the hole is submitted for your convenience. After setting 9-5/8" OD surface casing at 260 ft. (cement circulated to surface), 8-3/4" hole was drilled to 3400 ft., where 7" OD casing was set. Although cement did not circulate, a temperature survey was run and indicated that cement did come back into the surface pipe. Operations continued with the drilling of 6-1/4" hole to total depth of 5680 ft., at which point logs were run and 4-1/2" OD 10.5# casing was run. Difficulty was encountered in the cement job when the plug failed to bump. After waiting on cement, a bit was run in the hole and found cement inside the pipe at 4186 ft. Cement was drilled out to 5630 ft. and a cement bond log was run to determine condition of cement in the annular space. This log indicated good cement as high as 4680 ft., with the top of the cement at 4120 ft. While logging the casing, some drag was noted on the tool. A casing inspection log was then run prior to attempting completion. Analysis of this log indicated distorted and rough casing from 3250 ft. to 5030 ft. With the high rate, large volume fracture treatment required to effect a successful completion, we felt that considerable risk would be encountered in a completion attempt.

Based on the above stated recapitulation, we respectfully request administrative approval to randomly deviate the well bore around the junked casing. We propose to pull the uncemented portion of the liner, set a cement plug in the open hole section, and drill 6-1/4" hole to the Mesaverde, at which point we will again log and run 4-1/2" OD liner. Completion will be made in the Mesaverde as proposed by our original application.

Your consideration of this request and administrative approval for the proposal will be appreciated. Of course, should you have questions or require additional information, please call me collect at 303-534-8221.

Best personal regards.

Yours very truly,

DONALD B. WELLS

Assistant District Production Manager

cc: Mr. C. M. Heard, Midland Office  
Encl.  
DBW:rw

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Union Texas Petroleum, A Division of Allied Chemical Corporation

## 3. ADDRESS OF OPERATOR

Suite 1122, 1860 Lincoln Street, Denver, Colorado 80203

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

At surface

NW SE Section 33-T31N-R9W

At proposed prod. zone

Same

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

12 miles east of Aztec, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

1580

## 16. NO. OF ACRES IN LEASE

2446

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

316.40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1880

## 19. PROPOSED DEPTH

5400

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6356 GR, 6369 KB

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

3-6-75

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36	258	250
8-3/4"	7"	23	3400	538
6-1/4"	4-1/2"	10.5	3190-5680	280

It is proposed to pull portion of liner from 3190 to 4000', set cement plug from 3300' to 4000', and randomly deviate hole around junked liner in old hole. Completion will be made in Mesaverde as originally proposed.



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 Assistant Dist. Production Mgr. DATE 3-4-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

SUPERVISOR DIST. #3

DATE

3-6-75

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side