

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

Curtis J. Little, Box 2487, Farmington N.M.

3. ADDRESS OF OPERATOR

Box 2487 Farmington, N.M. 87401

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

At surface

820' FSL and 1110' FEL

At proposed prod. zone

Same

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

25 miles SE of Blanco New Mexico

15. DISTANCE FROM PROPOSED*

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

820'

16. NO. OF ACRES IN LEASE

1280.2240.30

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

2345'

20. ROTARY OR CABLE TOOLS

Rotary

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

6413 GL

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"PROPOSED CEMENTING PROGRAM"

22. APPROX. DATE WORK WILL START*

9-1-81

23.

"PROPOSED CEMENTING PROGRAM"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7.000"	23#	120'	100 sx. circulate
6 1/4"	2 7/8"	6.4#	2345'	225 sx. cover Ojo Alamo

Propose to drill with mud, run mechanical logs, and selectively perforate and sand water fracture the Pictured Cliff formation. BHP is not expected to exceed 800 psi. A 10" 3000 psi working and 6000 psi test BOP with blind and pipe rams will be used for blow out prevention.

Gas is ~~not~~ dedicated to EPNG

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 prevention program, if any.

24.

SIGNED

Curtis J. Little

TITLE

Operator

DATE

7-10-81

(This space for Federal or State office use)

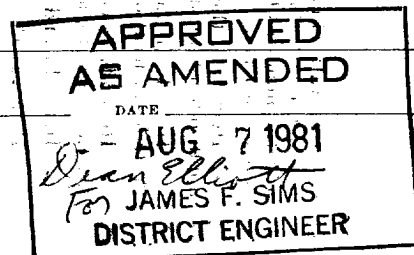
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



NMOCG

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

Operator CURTIS J. LITTLE			Lease Warren		Well No. 2
Unit Letter P	Section 5	Township 25N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 820 feet from the South line and 1110 feet from the East line					
Ground Level Elev: 6413	Producing Formation Pictured Cliff		Pool Ballard		Dedicated Acreage: 160 Acres

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?

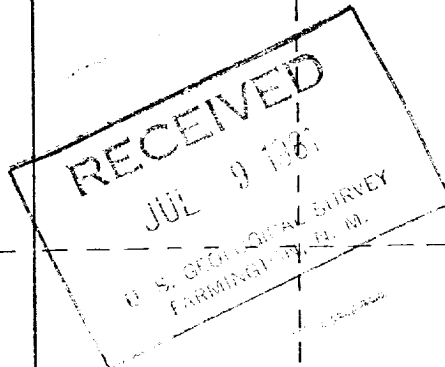
☐ Yes ☐ No If answer is "yes," type of consolidation _____

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.



Sec.



5

1110'
820'

Scale: 1"=1000'

CERTIFICATION

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

Name
Curtis J. Little

Position
Operator

Company
Curtis J. Little

Date
July 10, 1981

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.

Date Surveyed
June 29, 1981
Registered Professional Engineer
and
Land Surveyor
Fred B. Kerr, Jr.
Certificate No.
3950

R 7 W

Kinbair * C7L 025, Kinbair * C7L 020 20	Foster * C7L 020
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I
25
N

Warren #2

Company: Curtis J. Little

County: Rio Arriba

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1. Location: P-5-25-7
 Field: Ballard Pictured Cliff
 Elevation: 6413 GL

2. Geology:
 Formation Tops: Surface: San Jose
 Ojo Alamo: 1515'
 Kirtland: 1665'
 Fruitland: 1960'
 Pictured Cliff: 2213'
 T.D. 2345'

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Logging Program: I-ES and Gamma Ray Density log.

Coring Program:       None planned.

3. Drilling:  
Mud Program: Water base mud system with 9.0 - 9.4  
ppg wt. 35-45 seconds vis. surface to TD.

|                 |                  |              |               |                        |      |
|-----------------|------------------|--------------|---------------|------------------------|------|
| 4. Materials:   |                  |              |               |                        |      |
| Casing Program: | <u>Hole Size</u> | <u>Depth</u> | <u>Casing</u> | <u>Wt. &amp; Grade</u> |      |
|                 | 8 3/4            | 120'         | 7"            | 23#                    | K-55 |
|                 | 6 1/4            | 2345'        | 2 7/8         | 6.4#                   | J-55 |

Float Equipment: Insert float

Tubing: Slim hole. None planned.

Wellhead Equipment: 2000 # WP and 4000 # test.

5. Cementing: Long string will be calculated to 20% excess to cover the Ojo Alamo with Class B Neat.

1. Existing Roads Refer to Map which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during this period.
2. Planned Access Roads The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed 20 feet (20') in width. Upon completion all roads will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or other measures necessary to insure proper drainage.
3. Location of Existing Wells See Attached map.
4. Location of Tank Batteries, Production facilities, and production Gathering and Service Lines  
If the well is productive, it would be dry gas. No oil is anticipated. All necessary flow lines will be buried across the location.
5. Location and Type of water supply No arrangement for water had been made at this time.
6. Source of Construction Materials All construction material will be purchased and hauled to the location. No additional Materials will be required.
7. Methods of Handling Waste Materials
  - a. Cuttings will be buried 3' below surface.
  - b. Drilling fluid will be left in a fenced, open pit to evaporate.
  - c. Portable toilet to be provided.
  - d. Trash will be burned in burn pit then buried.
  - e. After pit area is dry, cuttings will be pushed into pit and sub soil will be placed on any remaining fluid and cutting then top soil will be placed over both pit and location area.

8. - Ancillary Facilities

No camps or airstrip will be associated with this project.

9. Well site Layout

Refer to attached plat.

10. Plans for Restoration

After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out as controlled by the regulatory body.

11. Other Information

Gradual slope to the South covered with sand and sagebrush.

12. Operator's Representative

Curtis J. Little ;  
P.O. Box 2487  
Farmington, New Mexico 87401

Home: 505-327-6673

Office: 505-327-6176

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Agent: Joe Elledge  
200 West 25th St.  
Farmington, New Mexico 87401

505-327-9267

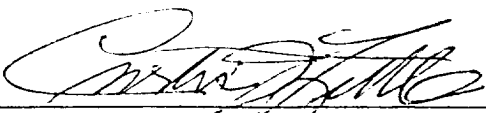
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13. Certification

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I hereby certify that I, or persons under my supervision, have inspected the proposed drill site 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 Curtis J. Little, and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 7-10-81

  
Curtis J. Little .

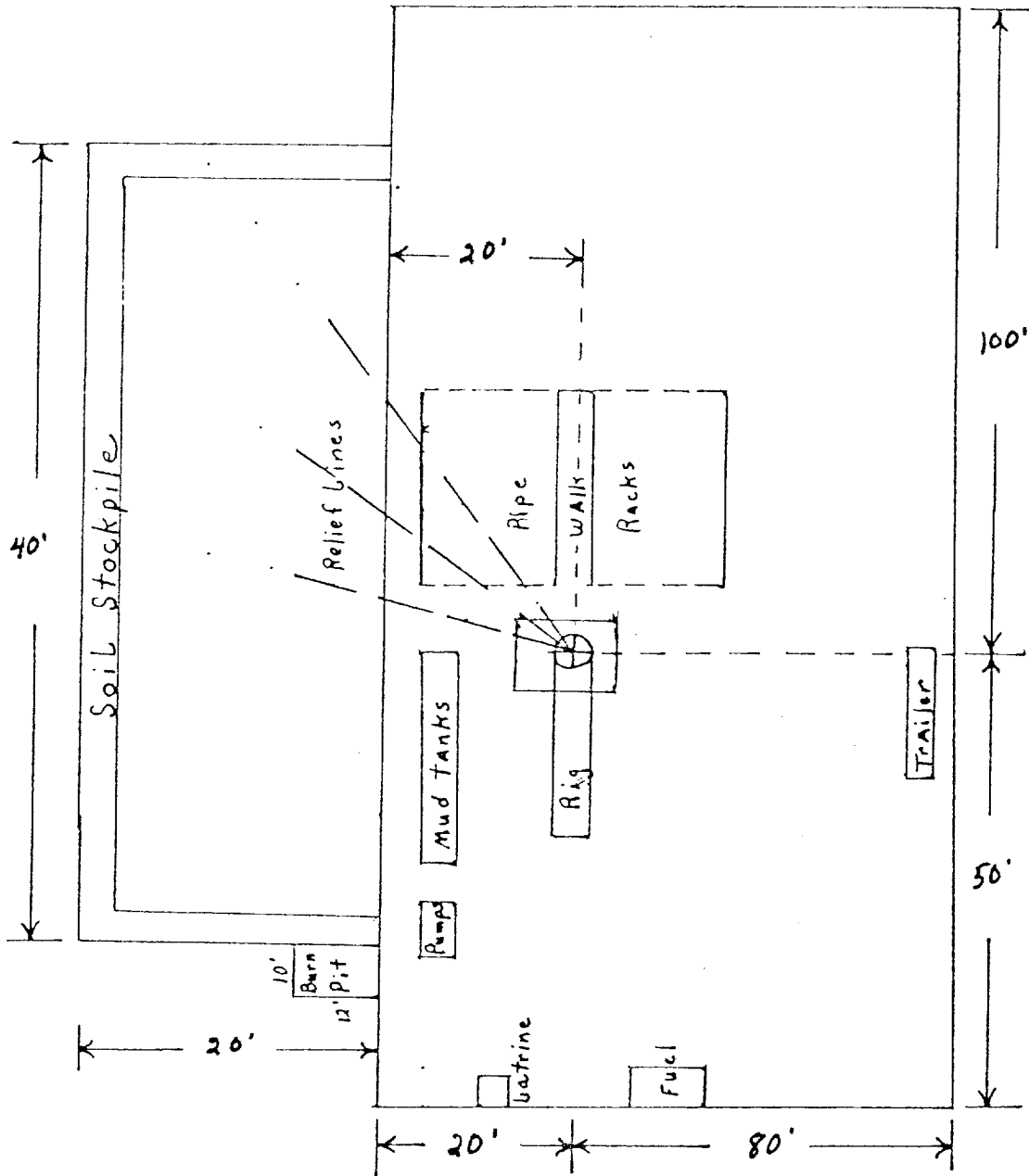
Curtis J. Little

Warren #2

P-5-25-7

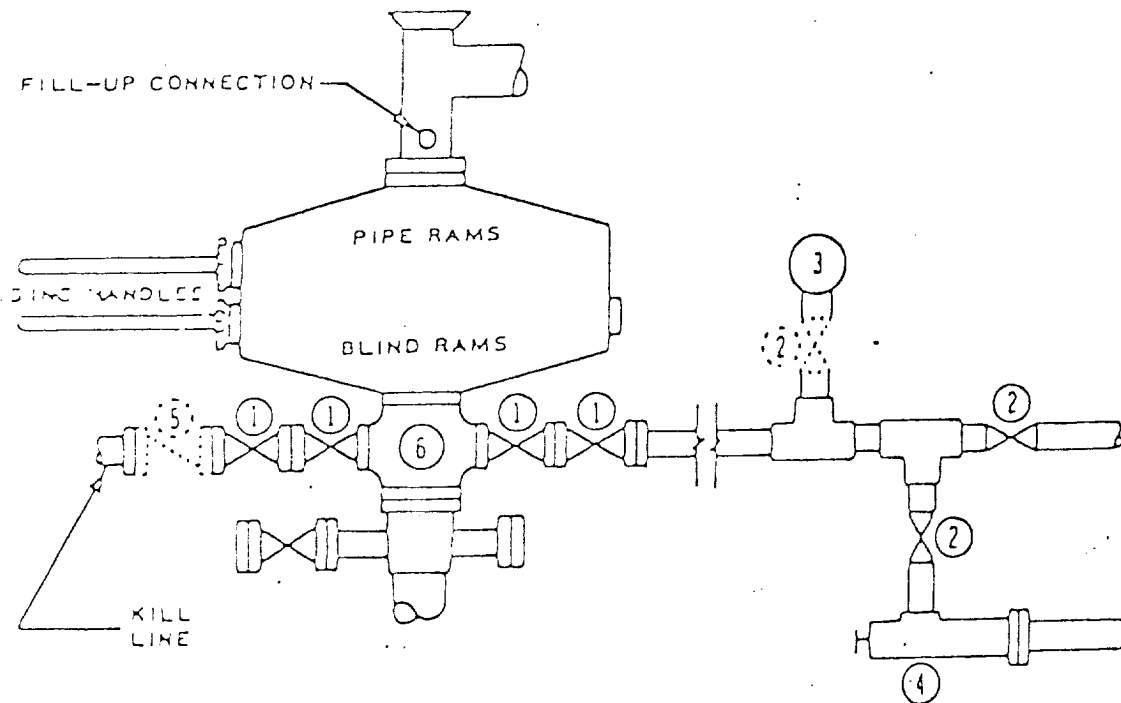
Rio Arriba, New Mexico

Ballard, Pictured Cliff



Curtis J. Little  
Warren #2  
P-5-25-7  
Rio Arriba, New Mexico

### BLOWOUT PREVENTOR DIAGRAM



- ① 2" SERIES 900 FE VALVE
- ② 2" SERIES 900 SE VALVE
- ③ 2" 3000 LB MUD PRESSURE GAUGE
- ④ 2" SERIES 900 CHOKE
- ⑤ 2" SERIES 900 CHECK VALVE
- ⑥ SERIES 900 DRLG SPOOL

NOTE:

- 1. 3000 PSI W/P CLAMP HUBS  
MAY BE SUBSTITUTED FOR  
FLANGES



Proximity Map for  
CURTIS J. LITTLE #  
Warren #2  
820 E. 110th St. Sec. 5-T25N-R7W  
RIO ARriba COUNTY, NEW MEXICO

