

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-03867

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
ELLIOTT OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 1355, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 1430' FSL and 840' FEL
At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles northwest of Farmington

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINK, FT. (Also to nearest drlg. unit line, if any)
840'

16. NO. OF ACRES IN LEASE
666

17. NO. OF ACRES ASSIGNED TO THIS WELL
295.31

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2800'

19. PROPOSED DEPTH
6120

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5608 GR

22. APPROX. DATE WORK WILL START*
November 1979

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	200	124 sx
7-7/8	4-1/2	10.5	6120	600 sx

This well will be drilled with mud, mechanical logs run at TD and the Dakota sands selectively perforated and fractured. 10" 3000 psi BOP with blind and pipe rams will be operational at all times while drilling. 6" 3000 psi double gate manual BOP will be utilized for completion. A DV tool will be set at the base of the Mesaverde for a 2-stage cement job on the long string.

The HBP Federal lease has an existing gas contract with El Paso Natural Gas Company.

ANTICIPATED FORMATION DEPTHS:

Kirkland	Surface	Menefee	3090	Greenhorn	5870
Pictured Cliffs	1370	Point Lookout	3790	Dakota	5990
Lewis	1480	Mancos	4160	TD	6120
Cliff House	2900	Gallup	5110		

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.

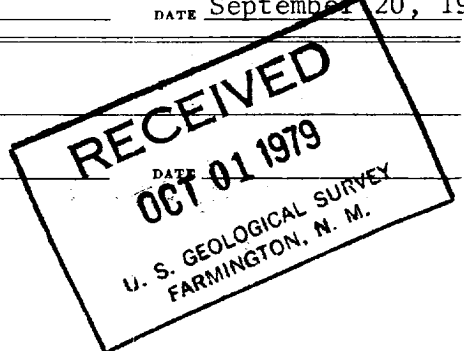
24. ELLIOTT OIL COMPANY
SIGNED Curtis J. Little TITLE Agent DATE September 20, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
Approved for ONE Year
*See Instructions On Reverse Side
"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING."
mmoc



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-328
Effective 1-1-65

All distances must be from the outer boundaries of the Section

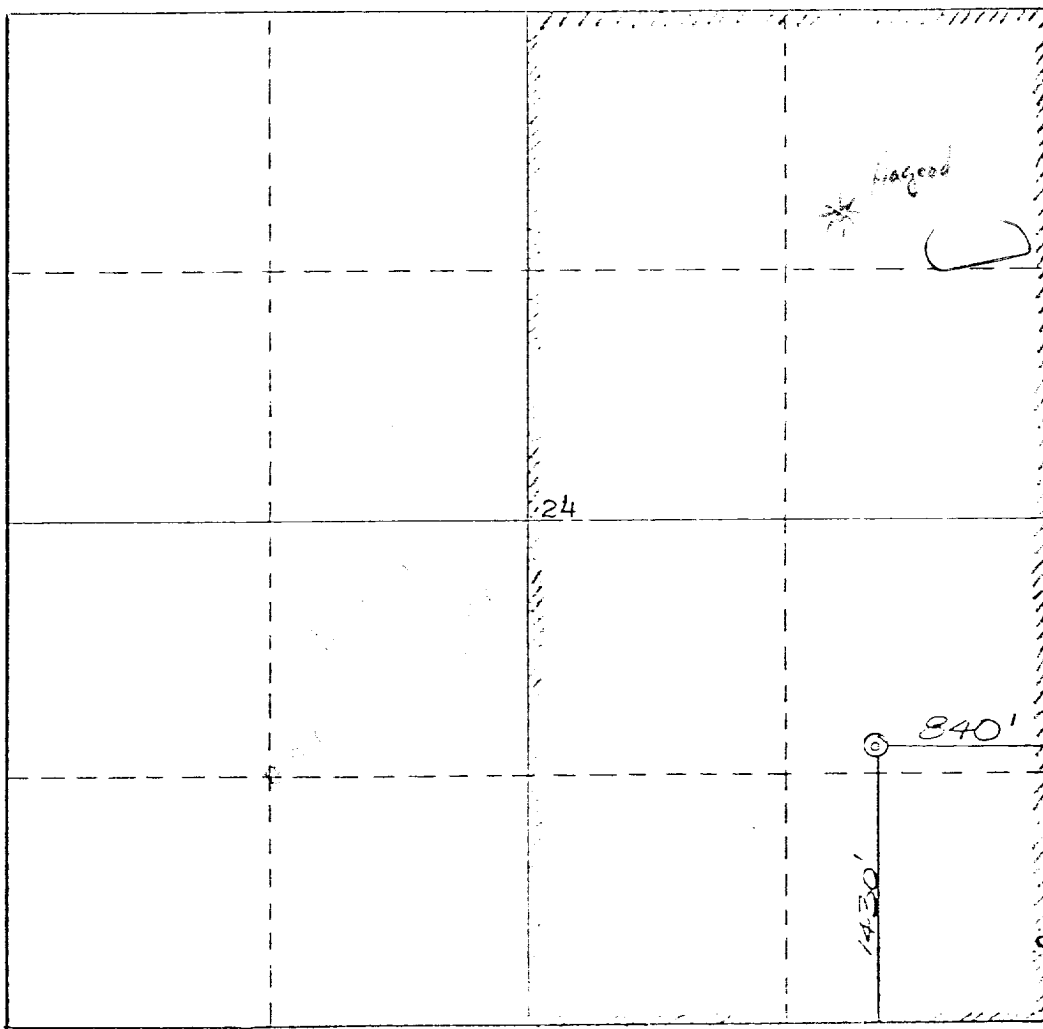
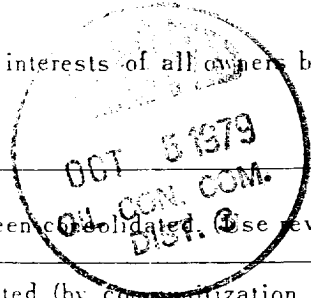
Operator ELLIOTT OIL COMPANY		Lease HAGOOD		Well No. 1-E
Unit Letter I	Section 24	Township 30 NORTH	Range 14 WEST	County SAN JUAN
Actual Footage Location of Well: 1430 feet from the SOUTH line and 840 feet from the EAST line				
Ground Level, Elev. 5608	Producing Formation DAKOTA		Pool Basin Dakota	Dedicated Acreage: 295.31 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

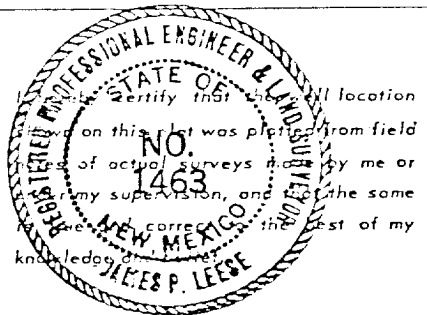
Curtis J. Little

Name **Curtis J. Little**
AGENT

Position
ELLIOTT OIL COMPANY

Company
September 20, 1979

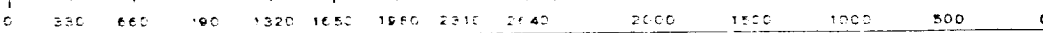
Date

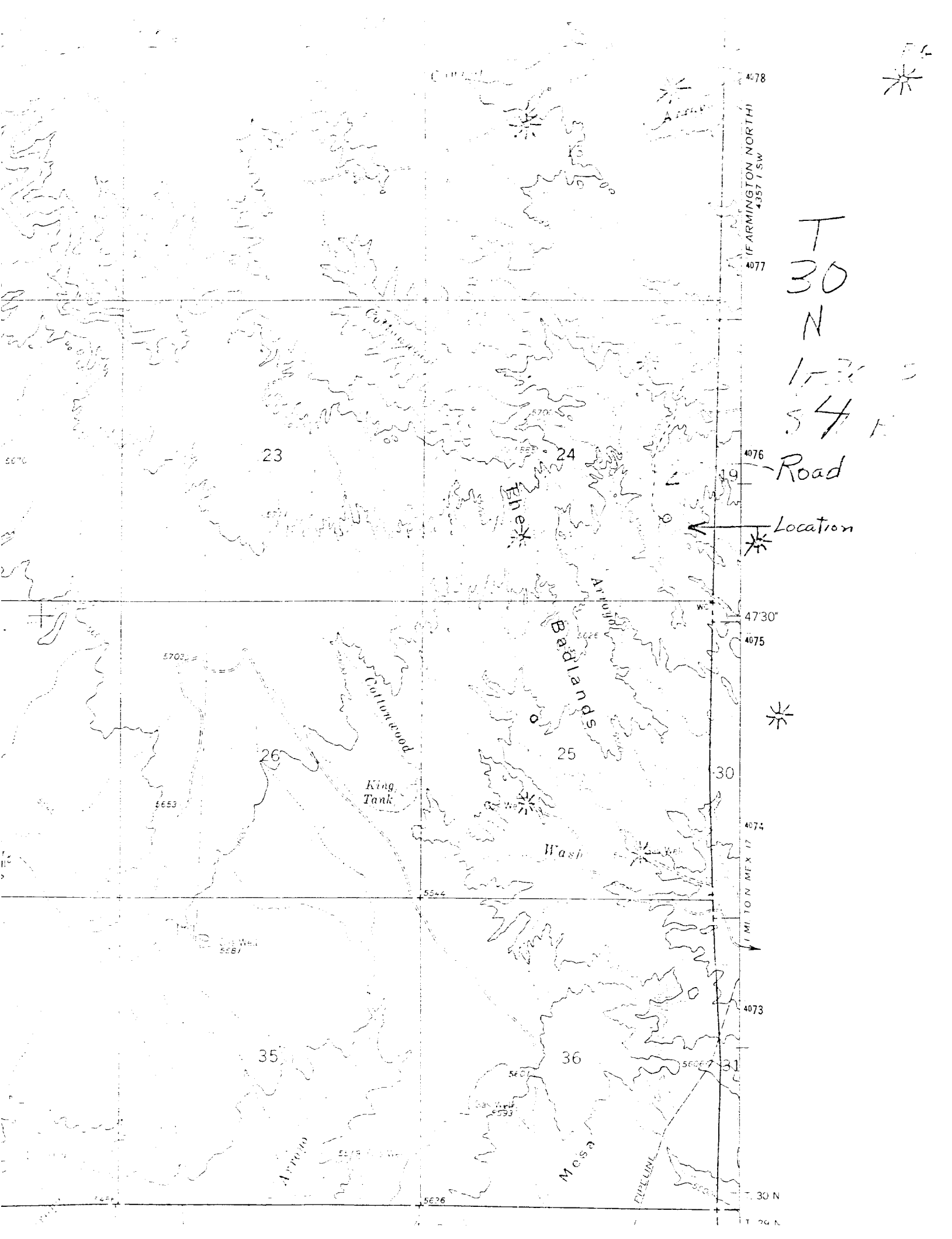


Date Surveyed
September 7, 1979

Registered Professional Engineer and Land Surveyor
James P. Lease
James P. Lease

Certificate No.
1463





T
30
N
153
54
E

Road

Location



PLAN OF DEVELOPMENT

ELLIOTT OIL COMPANY
#1-E Hagood
SE/4 Section 24, T-30-N R-14-W
San Juan County, New Mexico

1. Existing roads (see enclosed topo map).
2. Planned access road: approximately 2800 feet of access road approximately 12' in width constructed to prevent erosion (see proposed road on topo map).
3. Location of wells (see topo map).
4. Location of tank battery and production facilities: If this well is productive, it would be gas; therefore, the facilities would be the wellhead, tanks for produced water and condensate, if any, separator and gas line to the well. The tanks and separator would be set within 150' of the well and the gas line would run adjacent and parallel to road.
5. Location and type of water supply: Water will be hauled by truck from the San Juan River in Farmington.
6. Source of construction materials: All construction material such as gravel, sand, timbers, etc. will be purchased and hauled to the location. No water, sand or gravel will be used from this land.
7. Methods for handling waste disposal:
 - 1) Cuttings will be buried 3' below the surface.
 - 2) Drilling fluids will be left in a fenced, open pit to evaporate.
 - 3) Produced oil or condensate (if any) will be stored in a tank.
 - 4) Portable toilet to be provided.
 - 5) Trash will be burned in burn pit.
 - 6) After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil will be placed on any remaining fluid and cuttings, then top soil, if any, will be placed over both pit and location area.
8. Ancillary facilities: No camps or airstrips will be used.
9. Wellsite layout: Top soil, if any, will be stockpiled and reused. Pits will not be lined.
10. Plans for restoration of surface: Upon completion of well, all pits will be backfilled and top soil replaced and recontoured back to the original terrain. Pits will be backfilled as soon as they evaporate enough to permit such work. Should it be necessary to protect livestock or wild game, pits will be fenced,

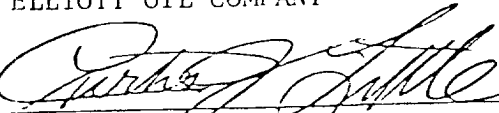
WELL CONTROL PLAN

ELLIOTT OIL COMPANY
#1-E Hagood
SE/4 Section 24, T-30-N R-14-W
San Juan County, New Mexico

1. Surface Casing: 9-5/8" 36#/ft. Grade K-55, Short T&C, set at 160' and cemented with pump and plug method back to surface.
2. Casinghead Flange: 9-5/8" x 10-3/4" top 1500 psig W.P. Larkin (or equivalent) casinghead with two 2" 1500 psi L.P. outlets.
3. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic Shaffer BOP (or equivalent) with drill pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi working pressure. The rams will be closed daily and checked for proper operation.
4. Auxillary Equipment: a) Drill pipe floats will be allowed at contractor's discretion; b) Visual and manual monitoring of mud system will be maintained.
5. Anticipated bottom hole pressure is less than 1800 psi at 6300' or a gradient of .277 psi/ft.
6. Well will be drilled with water base mud system with 8.8 - 9.0 ppg weight 35-45 seconds viscosity to T.D.

ELLIOTT OIL COMPANY

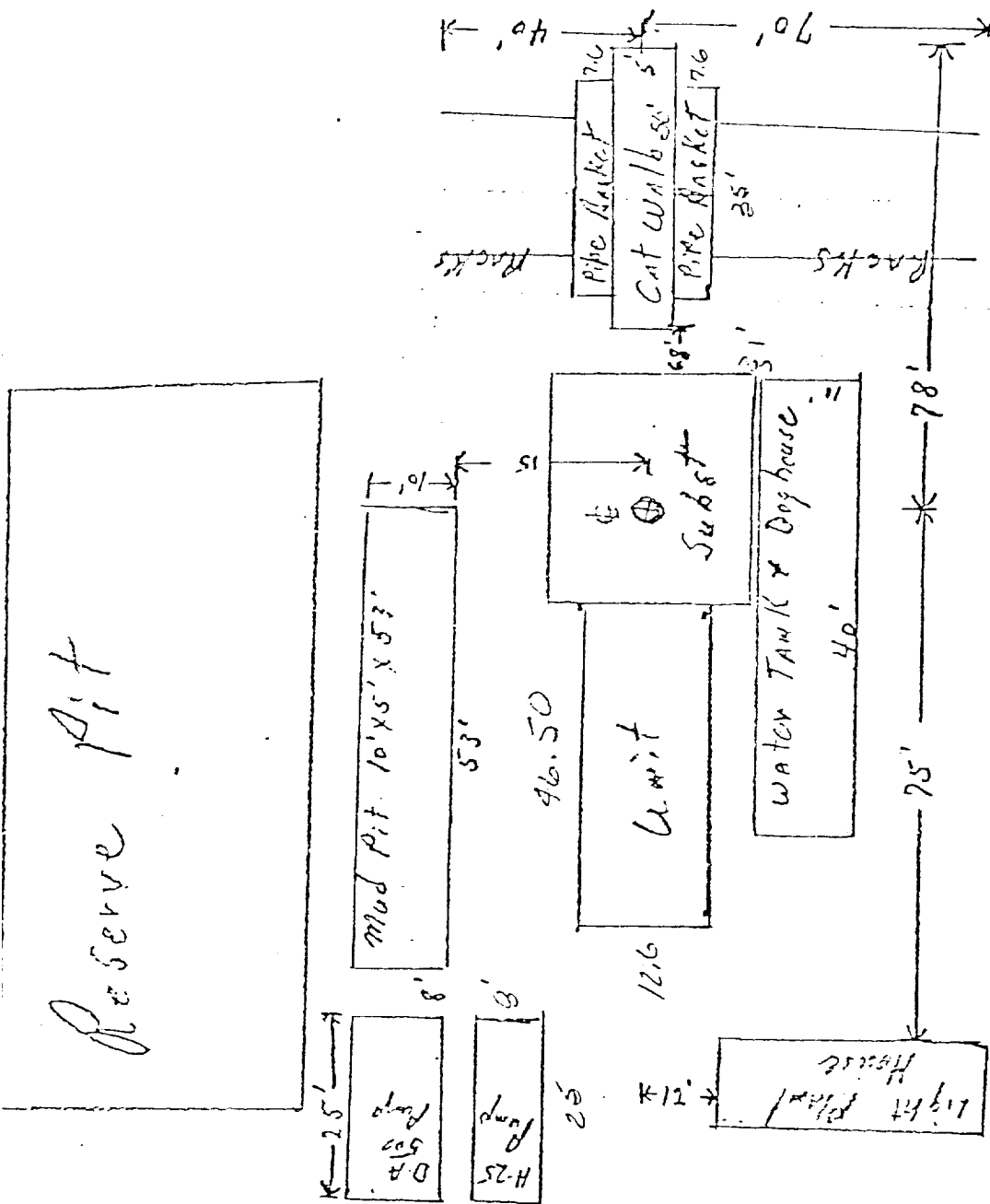
By:


Curtis J. Little, Agent

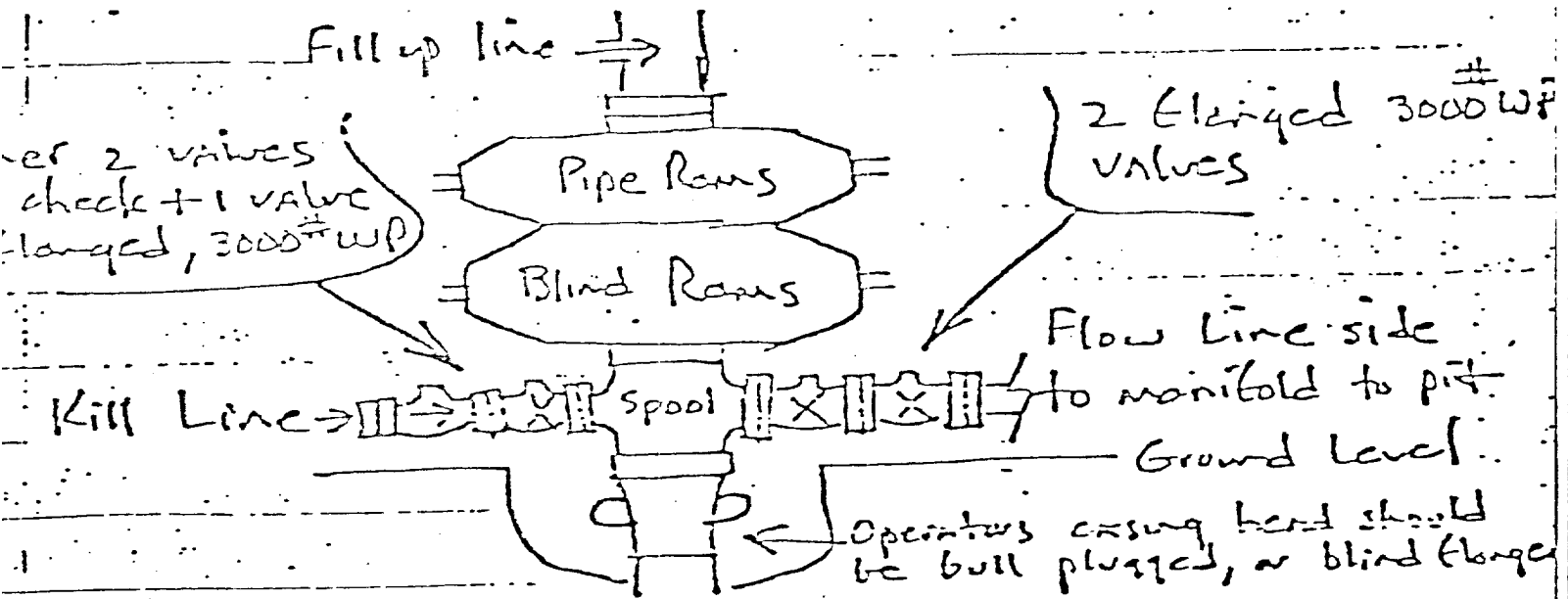
FOUR CORNERS DRILLING CO.

F. O. BOX 1067
762 E. BROADWAY
FARMINGTON, NEW MEXICO 87401

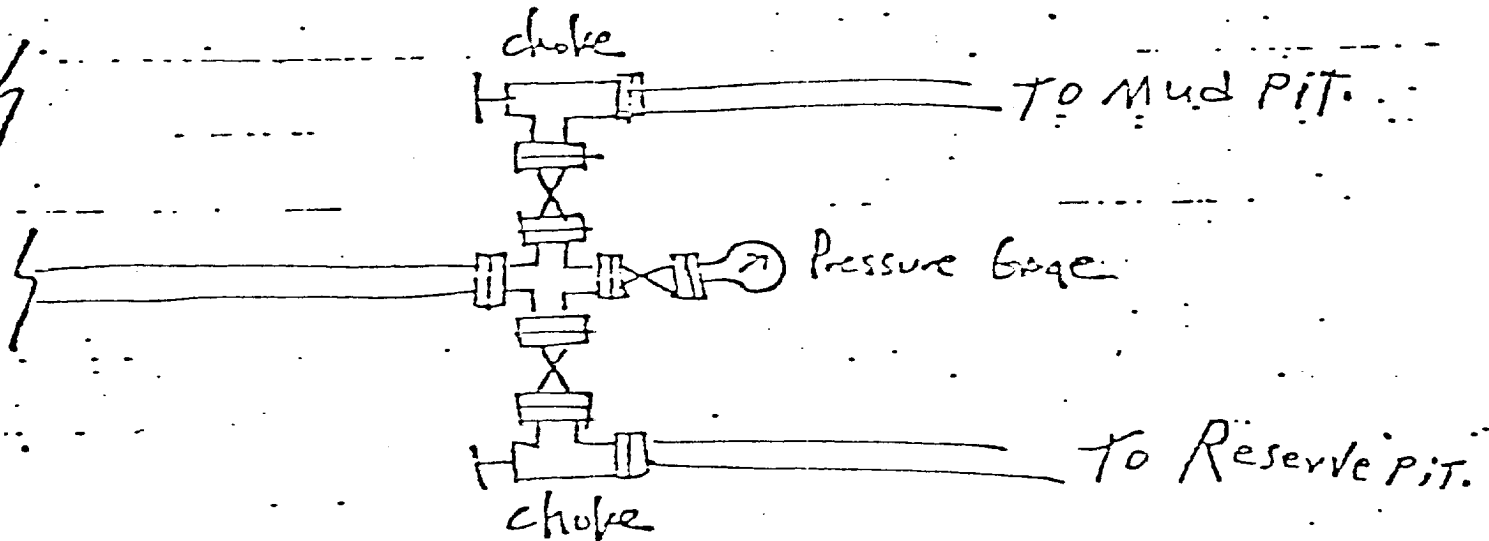
TELEPHONE: (505) 327-1122



BLOWOUT PREVENTOR EQUIPMENT



Detail Flow Line Side (manifold)
 (All fittings elongated & WP of 3000#)



CURTIS J. LITTLE
PETROLEUM GEOLOGIST
TELEPHONE (505) 327-6176
POST OFFICE BOX 2487
PETROLEUM PLAZA SUITE 150
FARMINGTON, NEW MEXICO 87401

September 20, 1979

Joe D. Ramey, Director
Oil Conservation Division
State of New Mexico
P. O. Box 2770
Santa Fe, New Mexico 87501

APPLICATION FOR ADMINISTRATIVE APPROVAL - UNORTHODOX LOCATION
Basin Dakota Gas Field, E/2 Section 24, T-30-N R-14-W
San Juan County, New Mexico

Dear Sir:

Enclosed are triplicate plats showing ownership of all lessees offsetting the proration unit, a survey plat of the proposed location, and a topographic map of the above area.

Approval for this unorthodox location is requested because of the extremely rugged topography of the area. The location has been examined by the BLM and USGS inspectors. This is to certify that all offset owners have been notified by Certified Mail.

Very truly yours,

ELLIOTT OIL COMPANY

By 
Curtis J. Little, Agent

CJL/sl
Encls.

cc: Oil Conservation Division
Aztec, New Mexico

CURTIS J. LITTLE
PETROLEUM GEOLOGIST
TELEPHONE (505) 327-6176
POST OFFICE BOX 2487
PETROLEUM PLAZA SUITE 150
FARMINGTON, NEW MEXICO 87401

September 21, 1979

Tom Dugan
Box 234
Farmington, N.M. 87401

Ladd Petroleum Corporation
830 Denver Club Building
Denver, Colorado 80202

R & G Drilling Company, Inc.
c/o E. N. Walsh
P .O. Box 254
Farmington, N.M. 87401

Jerry McHugh
S-1225 600 S. Cherry Street
Denver, Colorado 80202

Re: Unorthodox Location, Basin Dakota Gas Field
Section 24-T30N-R14W, San Juan County, New Mexico

Gentlemen:

Enclosed is a copy of our Application for Administrative Approval -
Unorthodox Location, to the New Mexico Oil Conservation Division.
According to our records you are either a direct or diagonal offset
owner of our proposed location.

You will note on the enclosed topographic map the words "The Badlands"
...which is the reason it was not possible to stake a legal location
90 feet further north.

If you have no objections to this unorthodox location, it would be
greatly appreciated if you would so advise the Director:

Mr. Joe Ramey, Director
Oil Conservation Division
State of New Mexico
P. O. Box 2770
Santa Fe, New Mexico 87501

Best regards,

ELLIOTT OIL COMPANY

By 

Curtis J. Little, Agent

CJL/sl

Encl.