

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

Champlin Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 1257, Englewood, CO 80150

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

SWNE 1980' FNL, 1980' FEL of Section 2

At proposed prod. zone

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

18 miles, S-SW of Farmington, New Mexico

15. DISTANCE FROM PROPOSED\*

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

1980"

16. NO. OF ACRES IN LEASE

2560'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

40

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

None

19. PROPOSED DEPTH

4800'

20. ROTARY OR CABLE TOOLS

Rotary Tools

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

5862' GR

22. APPROX. DATE WORK WILL START\*

Upon approval

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'          | Cmt. to surface    |
| 7 7/8"       | 5 1/2"         | 15.5#           | 4800'         |                    |

1. Drill 12 1/4" hole to 300'. Set 8 5/8", 24.0# casing at 300' and cement to surface.
2. Test BOP and surface casing to 2000# before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
3. Drill 7 7/8" hole to 4800' (TD).
4. In the event of commercial production, 5 1/2" casing will be set at 4800' (TD) and cemented 500' above uppermost producing zone.

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

District Operations Supt.

DATE

12/2/77

(This space for Federal or State office use)

PERMIT NO.

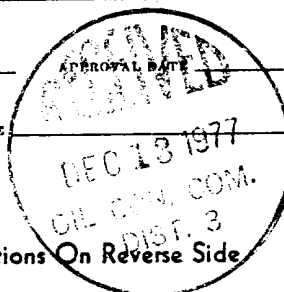
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*[Signature]*

TITLE

DATE



\*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.

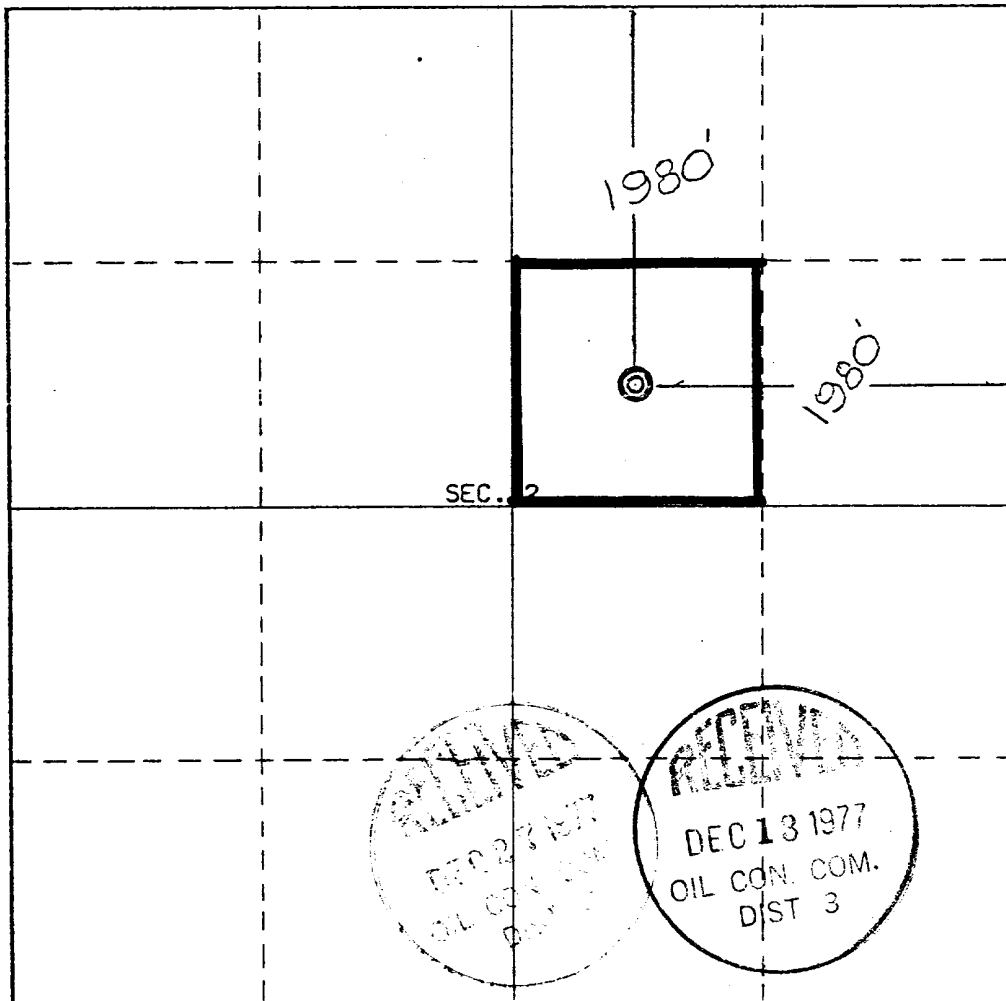
|  |                                      |                             |                                     |                                       |                      |
|--|--------------------------------------|-----------------------------|-------------------------------------|---------------------------------------|----------------------|
| Operator<br><b>Champlin Oil Company</b>  |                                      |                             | Lease<br><b>PINABETE-NAYAU 32-2</b> |                                       | Well No.<br><b>1</b> |
| Unit Letter<br><b>G</b>  | Section<br><b>2</b>                  | Township<br><b>26 North</b> | Range<br><b>15 West</b>             | County<br><b>San Juan</b>             |                      |
| Actual Footage Location of Well:<br>1980 feet from the North line and 1980 feet from the East line |                                      |                             |                                     |                                       |                      |
| Ground Level Elev.<br><b>5862</b>  | Producing Formation<br><b>GALLUP</b> | Pool<br><b>WILDCAT</b>      |                                     | Dedicated Acreage:<br><b>40</b> 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.



CERTIFICATION

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

Name **R.C. Crutchfield**  
 X **R.C. Crutchfield**  
 Position **District Operations Superintendent**  
 X **Champlin Petroleum Company**  
 Date **12/20/77**

I hereby certify that the well location shown on this plat was plotted from field notes of a duly sworn surveyor 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  
**November 16, 1977**

Registered Professional Engineer  
and/or Land Surveyor

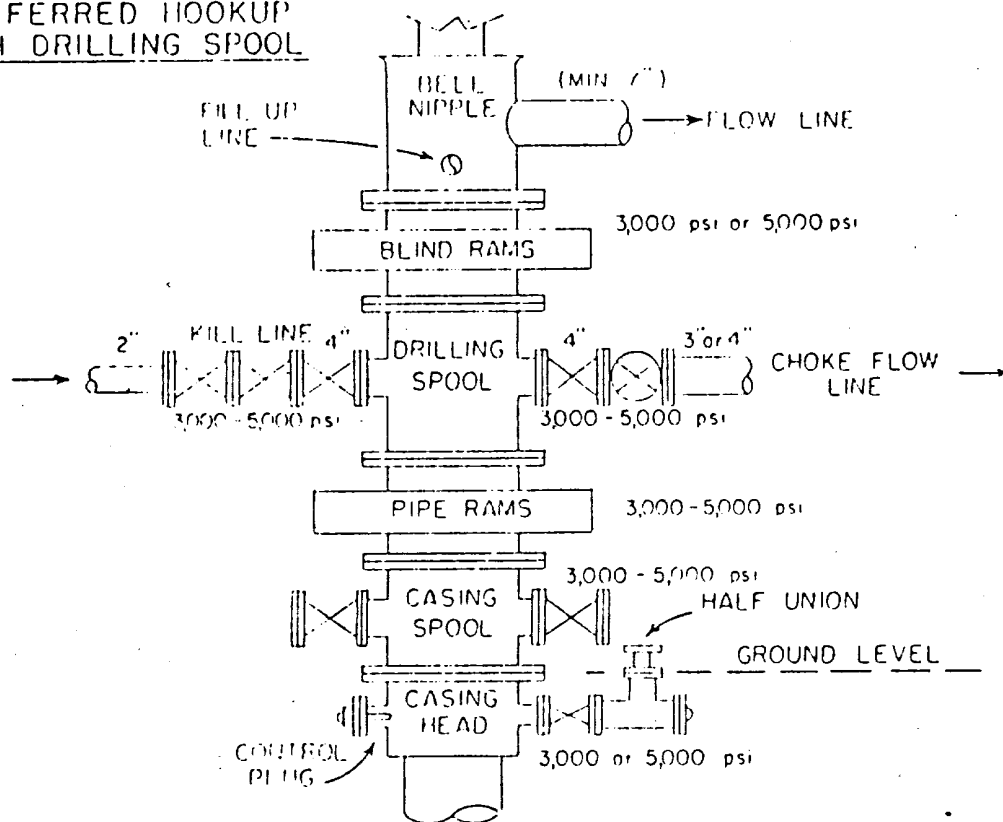
**E.V. Echhawk**

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

# Champlin

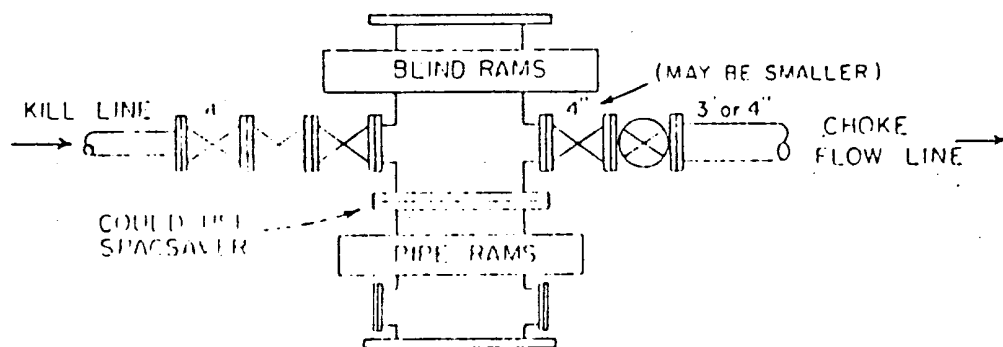
## 3,000 or 5,000 PSI WP BLOWOUT PREVENTER WITH CASING SPOOL

### PREFERRED HOOKUP WITH DRILLING SPOOL

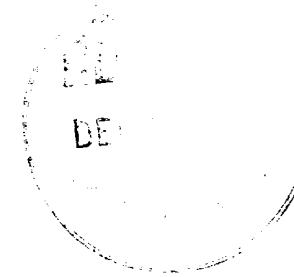


PLAN 4A

### ALTERNATE HOOKUP WITHOUT DRILLING SPOOL



PLAN 4B





2 December 1977

No. 1 Pinabete Navajo 32-2  
Pinabete Arroyo Field

1. Surface Formation: Kirtland Shale

2&3. Geologic Markers & Formation Content:

|       |                 |
|-------|-----------------|
| 950'  | Pictured Cliffs |
| 3425' | Point Lookout   |
| 3590' | Mancos          |
| 4450' | Gallup          |
| 4620' | Pinabete Sand   |

4. Surface Casing: 8 5/8", 24.0#, K-55, ST&C, New.  
8 5/8" casing head, 12", 3000# working pressure.  
Production Casing: 5 1/2", 15.5#, K-55, ST&C, New.

5. 12" Series 3000# Cameron Hydraulic with double gate, 1-130 ga. Koomey  
Accumulator BOP remote control closing unit. (Attachment A)

6. Mud Program:

|                         |  |
|-------------------------|--|
| 0 to 300'               | Hole to be drilled with gel, water & lime drilling fluid. Mud wt. 9.0#, Vis. 35 sec. |
| 300' to 900'            | Hole to be drilled with water.   |
| <del>900</del> to 4800' | Hole to be drilled with gel and chemical drilling W.L. 6cc.                          |

7. Lower Kelly cock will be used after 8 5/8" casing is set (used as safety valve when not in string). Visual inspection of surface mud system will be utilized. Safety valve with sub (lower Kelly cock) will be on floor at all times. Float at the bit to be utilized.

8. Two DST's anticipated in Mesa Verde and Pinabete Sands. No cores anticipated. Plan to run Dual Induction Laterolog, Compensated Neutron Log & Gamma Ray - Density Log.

9. Normal pressures and temperatures are anticipated. No potential hazards such as hydrogen sulfide are expected.

10. Plan to start drilling operations within three weeks. Drilling operations to take 15 to 20 days.

Champlin Petroleum Company  
Denver Region  
P.O. Box 1257  
Englewood, Colorado 80150  
303/771-8090





2 December 1977

United States Geological Survey  
P.O. Box 959  
Farmington, New Mexico 87401

Attention: Mr. Philip T. McGrath

Gentlemen:

As required by USGS Regulation NTL-6, following is the Multi-Point Surface Use and Operations Plan for the No. 1 Pinabete-Navajo 32-2 (26-15):

1. Existing Roads - See Exhibit 1

- A. Proposed Well - As staked including one 200' directional reference stake.
- B. Existing Roads - See attached Exhibit 1. Roads are represented by dashed lines.
- C. See Exhibit 1 - Colored blue.
- D. See Exhibit 1. Dirt roads or trails unimproved.
- E. N/A
- F. Existing roads will be graded when well is drilled and will be maintained in good condition throughout the drilling of the well.

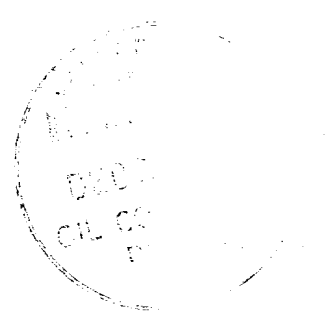
2. Planned Access Roads

- 1) Width will be 12'.
- 2) Maximum grade 4 to 1.
- 3) No turnouts needed.
- 4) Existing road to be upgraded to allow easy access while drilling.
- 5) No culverts or major cuts or fills will be required.
- 6) Compacted soil and gravel will be surfacing material from main road to location.
- 7) One fence cut will be required.
- 8) New roads centered - Line flagged.

3. Location of Existing Wells

- 1) N/A
- 2) Standard of Texas No.2 Navajo, CNW NE Section 1, T26N, R15W;  
Standard of Texas No.1-2 Navajo SENW NW Section 2, T26N, R15W.
- 3) N/A

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- 4) N/A
- 5) N/A
- 6) N/A
- 7) N/A
- 8) N/A
- 9) N/A

4. Location of Existing and/or Proposed Facilities

- A. No existing facilities
- B. (1) See Exhibit 3  
(2) See Exhibit 3  
(3) Lines and equipment to meet API and Federal Standards.  
(4) Wildlife and cattle will be protected by fencing pits and diking Tank Battery.
- C. Topsoil to be stockpiled and respread when pits are refilled and location cleaned; location to be reseeded with native grasses, per BIA Standards; reseeding will probably take place in spring, 1978.

5. Location and Type of Water Supply

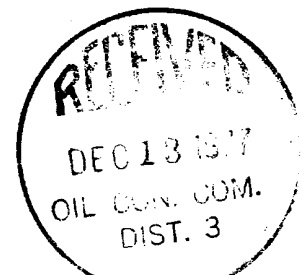
- A. Water to be obtained from Levida Mission.
- B. Water will be hauled over existing roads.
- C. None to be drilled.

6. Source of Construction Materials

- A. Well site pad to be constructed of entirely compacted soil.
- B. Navajo Land Lease No. N00-C-14-20-2941.
- C. Soil to be from location.
- D. Access road as shown on Exhibit 1.

7. Methods of Handling Waste Disposal

- 1) Cuttings - Into reserve pits, to be covered when pits are backfilled.
- 2) Drilling Fluids - Into reserve pits and will evaporate before filling reserve pits.
- 3) Produced Fluids - Oil will go into frac tanks, water will go into metal pit 6' x 10' and then will be trucked out.
- 4) Sewage - Drilling contractor to furnish suitable toilet.
- 5) Garbage and other waste material - Trash pit will be approx. 20' x 20' x 8' and covered with 4" x 6" wire mesh.
- 6) Proper cleanup of location will be done when drilling is completed and the rig is moved off.



8. Ancillary Facilities

No camps or airstrips will be built.

9. Well Site Layout

- 1) Location is on fairly smooth terrain; approximately a 2' fill will be required on the east side of the location and up to a 2' cut on the west side.
- 2) See Exhibit 4.
- 3) See Exhibit 4.
- 4) Pits will be unlined.

10. Plans for Restoration of Surface

- 1) Pits will be backfilled, topsoil respread and contoured as close to original as possible.
- 2) The BIA will be contacted as to type of seed and vegetation that will be needed for rehabilitation, access roads will also be rehabilitated.
- 3) Prior to rig release, pits will be fenced.
- 4) If oil is on pits, it will be removed and overhead flagging will be installed.
- 5) As agreed upon with BIA Representative, at a time when the weather is favorable; probably spring, 1978.

11. 1) Land is a fairly rough sloping area, soil characteristics of Sandy Loam with some native grass and western weed.
- 2) Surface used for stock grazing. Indian land.
  - 3) There are no occupied dwellings. Archaeological, historical or cultural sites within a one mile radius of the proposed well are noted in archaeological report.

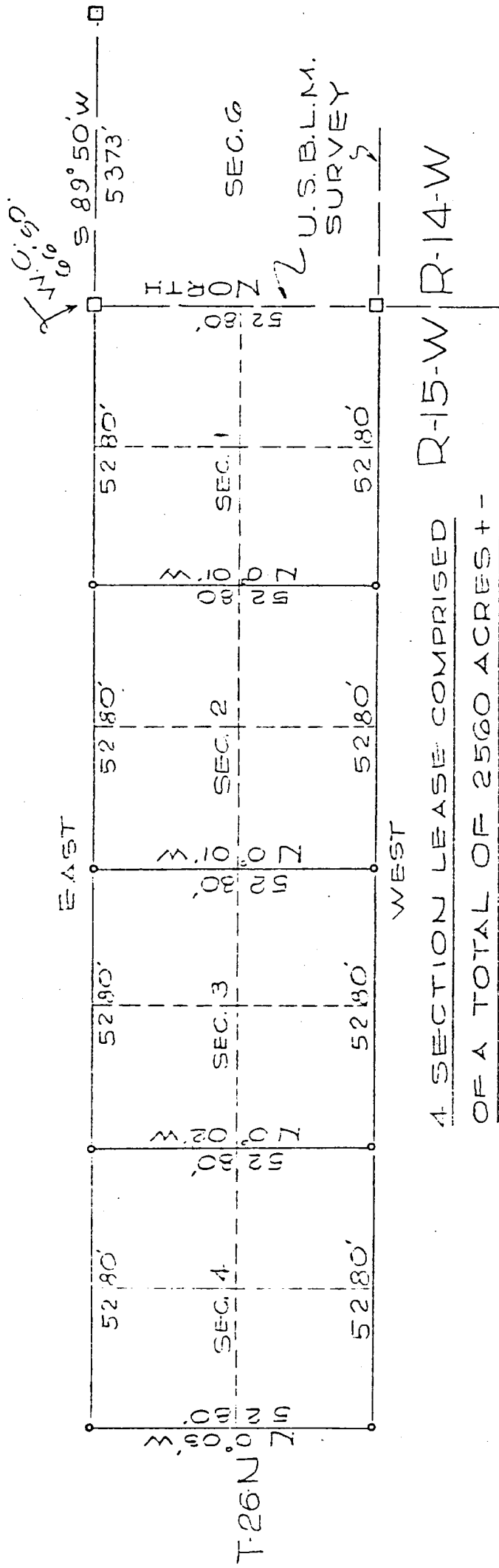
12. Operator's Representatives

Gary Cooper  
P.O. Box 316  
Ft. Lupton, CO 80621  
857-4627

R.C. Crutchfield  
6183 S. Fairfax Ct.  
Littleton, CO 80121  
779-1311

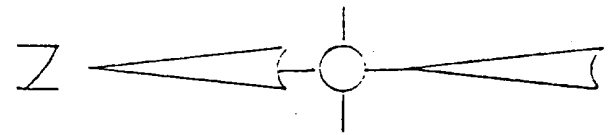
J.N. McGirl  
1535 S. Kipling Ct.  
Lakewood, CO 80226  
988-8398





SEE NO. 100-C-2941

NOO-C-14-20-2941



CHAMPLIN PETROLEUM COMPANY  
SURVEY OF A FOUR SECTION  
LEASE COMPRISED OF SECTIONS  
1, 2, 3 & 4, T-26-N, R-15-W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO.  
NOVEMBER, 1977 SCALE, 2" = 1 MILE



SURVEYED BY  
33602 ECHOHAWK  
JANEST V ECHOHAWK  
ECHOHAWK  
REG NO. 33602



