

**CABOT PETROLEUM CORPORATION**OIL AND GAS
DRILLING AND PRODUCTION

806/669-2581

P. O. BOX 5001, PAMPA, TEXAS 79065

March 18, 1985

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Richard L. Stamets

Gentlemen:

Re: Cabot Petroleum Corporation
J. L. Reed No. 3, King Field,
1980' FNL and 1650' FEL
Section 35, T13S-R37E
Lea County, New Mexico

Case 8963

Cabot is hereby submitting an application to reenter the referenced plugged and abandoned well and recomplete to saltwater disposal in the San Andres and Glorieta formations.

This is necessary because Cabot plans to install additional high volume submersible pumps in Devonian producing wells. Approval of this application will improve our saltwater handling capabilities and will result in a higher economic oil recovery from the King Devonian Field.

Enclosed are the following to aid in your study of this proposal: (1) Form C-101 to reenter and convert to S.W.D. in the San Andres and Glorieta formations, (2) Form C-108 with all attachments, waivers, and "proofs of notice" required for administrative approval.

Cabot Petroleum Corporation respectfully requests your approval of this application.

Sincerely,

George A. Forrest
Senior Petroleum Engineer

GAF:lp

Enc.

cc: Mr. Jerry Sexton, State of New Mexico Energy and Minerals Dept.
Oil Conservation Division, P. O. Box 1980, Hobbs, New Mexico 88240

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> Reentry of plugged and abandoned well for <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name J. L. Reed	
2. Name of Operator Cabot Petroleum Corporation		9. Well No. 3	
3. Address of Operator P. O. Box 5001, Pampa, Texas 79065		10. Field and Pool, or Wildcat King	
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1,980</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>35</u> TWP. <u>13S</u> RGE. <u>37E</u> NMPM		12. County Lea	
19. Proposed Depth 6,730'		19A. Formation San Andres & Glorieta	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3847.9 GR, 3860.9 KB	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48	360	400	Surface
11"	8-5/8"	24 & 32	4583	2400	Surface
7-7/8"				50	5440

The subject well was drilled to the Devonian to a TD of 12,430'. It potentialled from an open-hole section, 12,320-12,430', for 561 BOPD on 7-18-57. A workover in 1960 opened additional Devonian pay from 12,190-12,305'. The Devonian was abandoned in October 1968 by setting a CIBP at 9,850' and capping with 2 sacks of cement. The Devonian recovered 294,027 BO during its producing period. A recompletion attempt into the Wolfcamp from 9345-9416' proved unsuccessful and the well was temporarily abandoned. The well was abandoned in January, 1971 by setting a 50-sk cement plug across the Wolfcamp perforations from 9345-9416', cutting and pulling the 5 1/2" csg from 5650' and spotting a 25-sk cement plug across the csg stub, setting a 25-sk cement plug across the 8-5/8" csg shoe, and setting a 10-sk cement plug at the surface.

It is proposed to: (1) Drill out surface plug and circulate and cleanout to the bottom of the 8-5/8" csg and pressure test that csg; (2) Circulate the hole clean to the plug on top of the 5-1/2" csg stub; (3) Deviate the wellbore from off the top of the 5-1/2" csg stub and drill a new hole to 6730'; (4) Acid stimulate the injection interval if required; (5) Run 8-5/8" injection packer on plastic-coated 2-7/8" tbg and set at 4500' after circulating csg annulus with non-corrosive treated water; (6) Injection will commence.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY. BOP will be used.

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

Signer George A. Forrest Title Senior Petroleum Engineer Date 3-18-85

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**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.

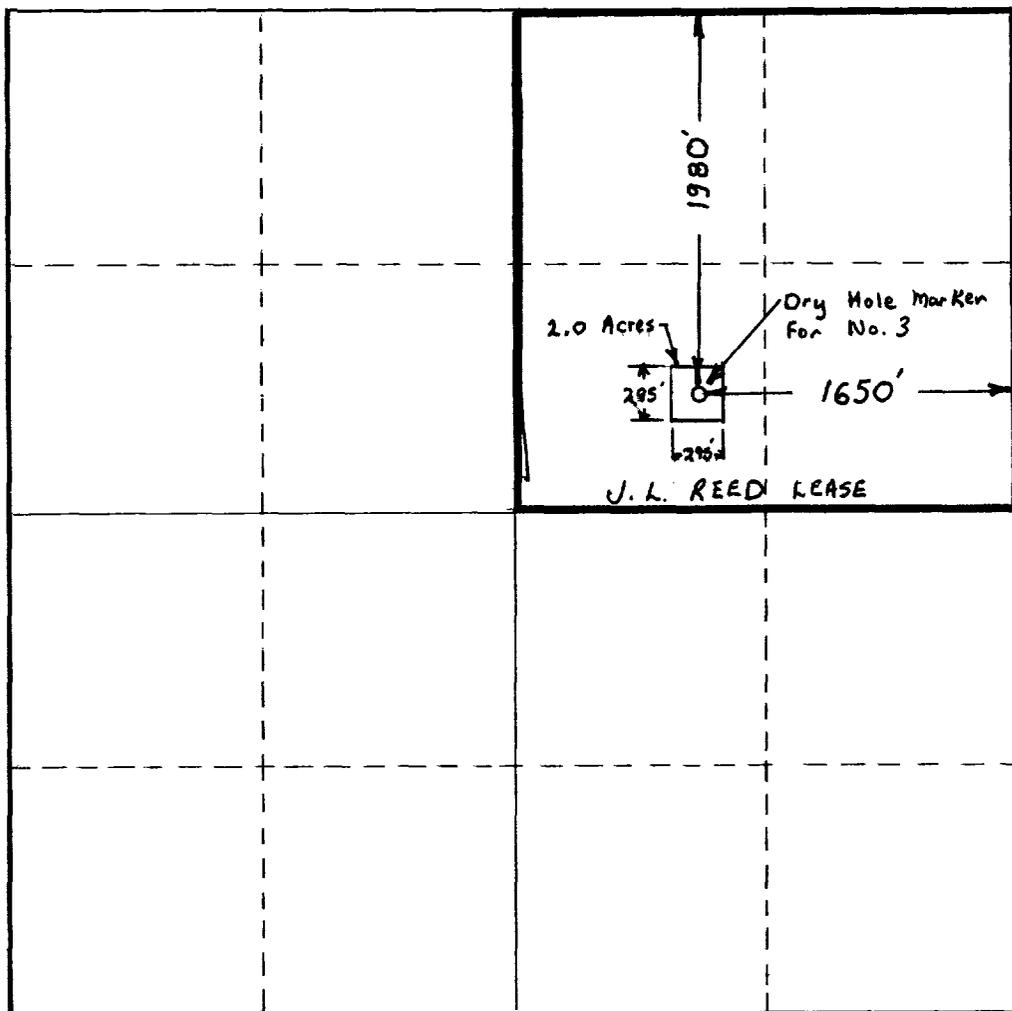
Operator Cabot Petroleum Corporation		Lease J. L. Reed			Well No. 3
Unit Letter G	Section 35	Township 13S	Range 37E	County Lea	
Actual Footage Location of Well: 1980 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 3847.9	Producing Formation		Pool	Dedicated Acreage: Acres	

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.

Name: *James R. Henry*
James R. Henry

Position: **Regional Engineer**

Company: **Cabot Petroleum Corp.**

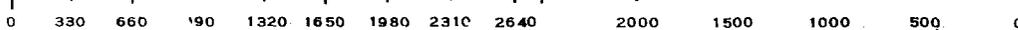
Date: **4-18-84**

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.



NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat ¹¹⁰²⁵⁰
Date April 1, 1957

Operator Cabet Carbon Co. et al Lease ¹⁰³⁷ J. L. Reed ₅₅

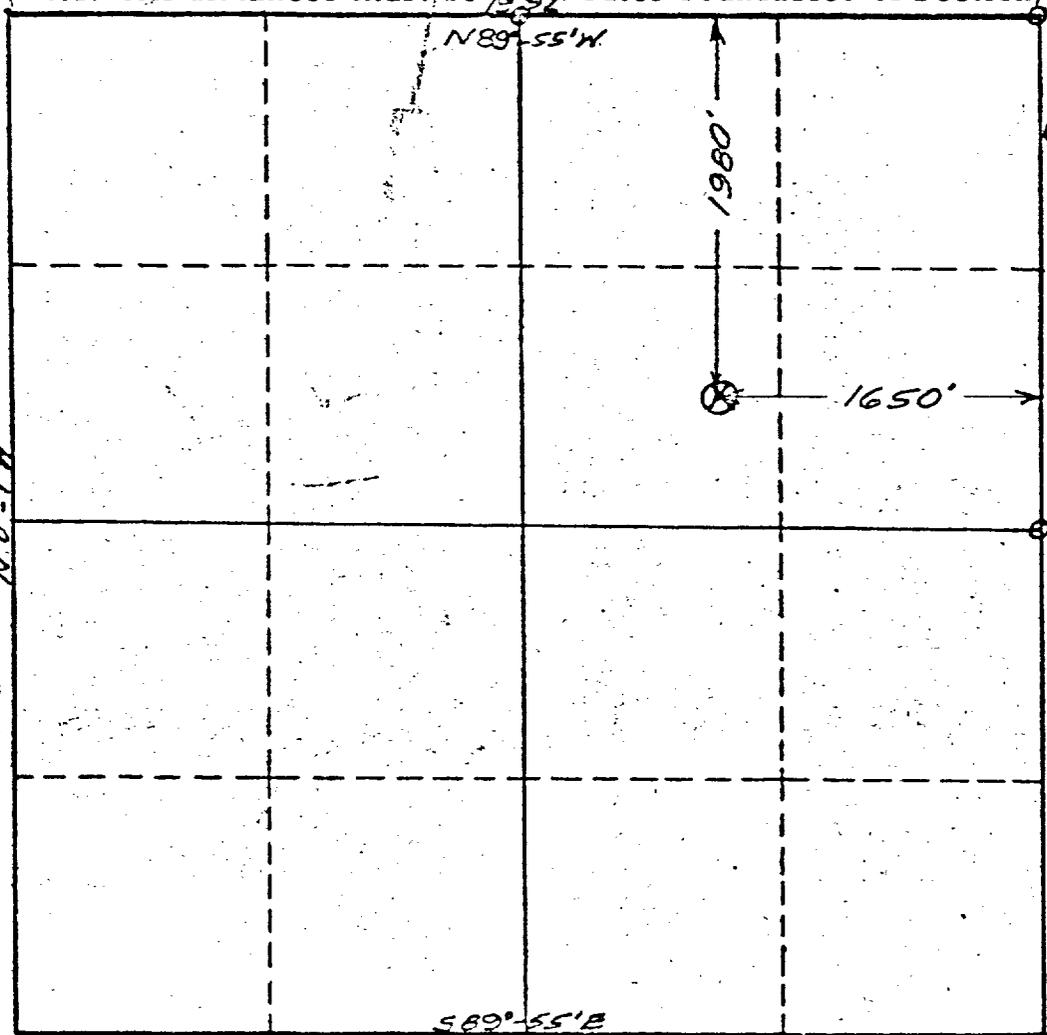
Well No. 3 Section 35 Township 13 South Range 37 East NMPM

Located 1980 Feet From North Line, 1650 Feet From East Line.

Lea County, New Mexico. G. L. Elevation 3847.9

Name of Producing Formation _____ Pool _____ Dedicated Acreage _____

(Note: All distances must be from outer boundaries of Section)



○ - Re-located Corner
⊗ - Staked Well Location

NOTE
This section of form is to be used for gas wells only.
↓

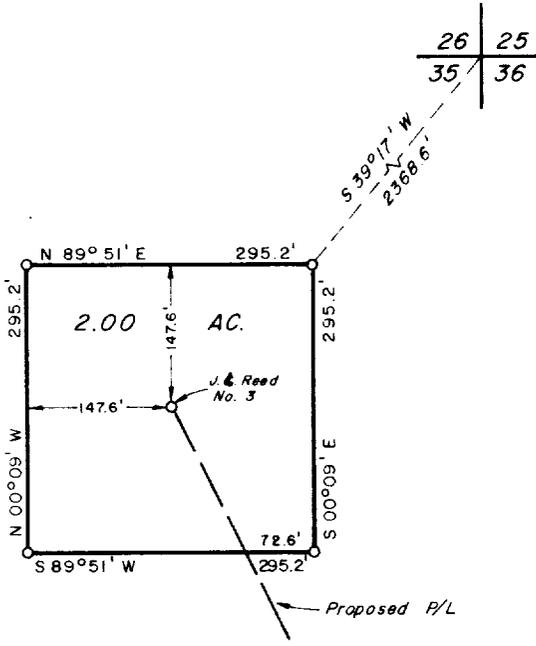
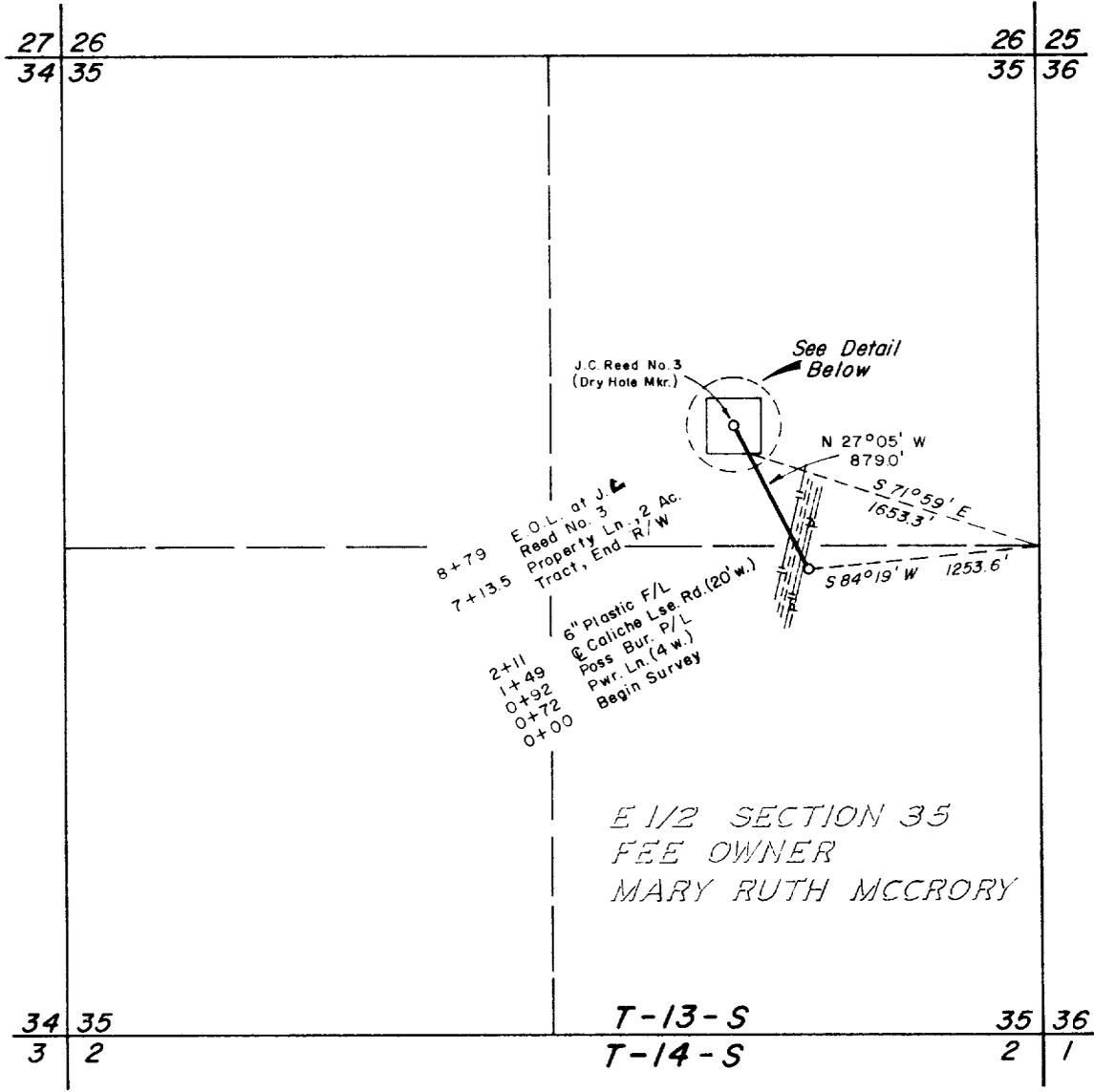
1. Is this Well a Dual Comp. ? Yes ___ No ___.
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes ___ No ___.

Name _____
Position _____
Representing _____
Address _____

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed April 1, 1957
John W. [Signature]
Registered Professional Engineer and/or
Land Surveyor License No. 1559

SECTION 35, TOWNSHIP 13 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DETAIL
1" = 200'



I HEREBY CERTIFY THAT THIS PLAT
WAS MADE FROM NOTES TAKEN IN THE FIELD
IN A BONA FIDE SURVEY MADE UNDER MY
SUPERVISION, AND THAT THE SAME IS TRUE
AND CORRECT TO THE BEST OF MY KNOWL-
EDGE AND BELIEF.

John W. West
JOHN W. WEST, N.M. P.E. & L.S. No. 676
TEXAS R.P.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

CABOT CORPORATION	
Proposed pipeline & salt water disposal site situate within the E $\frac{1}{2}$ of Section 35, T 13 S, R 37 E, N.M.P.M., Lea County, New Mexico.	
JOHN W. WEST ENGINEERING COMPANY CONSULTING ENGINEERS HOBBS, NEW MEXICO	
Scale: 1" = 1000'	Drawn By: M. Mitchell
Date: 5/08/84	Sheet 1 of 2

LEGAL DESCRIPTIONS

PIPELINE

A strip of land 30.0 feet wide for pipeline right-of-way, situate within the East Half of Section 35, Township 13 South, Range 37 East, N.M.P.M., Lea County, New Mexico, being 15 feet left and 15 feet right of the following described survey of centerline:

Beginning at Eng. Sta. 0+00, a point which bears S 84°19' W, 1253.6 feet from the East Quarter corner of said Section 35; Thence N 27°05' W, 713.5 feet to Eng. Sta. 7+13.5, the end of the herein described centerline survey of right-of-way, from which point the East Quarter corner of said Section 35 bears S 71°59' E, 1653.3 feet.

Said strip of land being 713.5 feet or 43.24 rods in length, more or less.

TRACT

A tract of land situate within the East Half of Section 35, Township 13 South, Range 37 East, N.M.P.M. Lea County, New Mexico, and being more particularly described as follows:

Beginning at the northeast corner of the herein described tract, which point bears S 39°17' W, 2368.6 feet from the northeast corner of said Section 35;
 Thence S 00°09' E, 295.2 feet;
 Thence S 89°51' W, 295.2 feet;
 Thence N 00°09' W, 295.2 feet;
 Thence N 89°51' E, 295.2 feet to the point of beginning and containing 2.00 acres, more or less.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
 JOHN W. WEST, N.M. P.E. & L.S. No. 676
 TEXAS R.P.S. No. 1138
 RONALD J. EIDSON, N.M. L.S. No. 3239
 TEXAS R.P.S. No. 1883

CABOT CORPORATION

Proposed pipeline & salt water disposal site situate within the E $\frac{1}{2}$ of Section 35, T 13 S, R 37 E, N.M.P.M., Lea County, New Mexico.

JOHN W. WEST ENGINEERING COMPANY
 CONSULTING ENGINEERS HOBBS, NEW MEXICO

Scale: _____	Drawn By: M. Mitchell
Date: 5/08/84	Ck. _____
Sheet 2	of 2 Sheets