

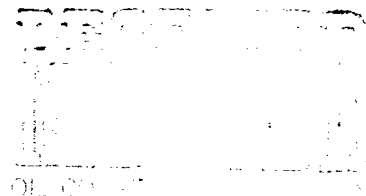


A Subsidiary of
Union Pacific Corporation

November 6, 1984

Wiser Oil Co.
904 Building of the Southwest
Midland, Texas 79701

Re: Champlin Petroleum Company
State "5A" Well No. 1
Chaveroo - San Andres Pool
Chaves County, New Mexico



Case 8437
R-7843
This is not a WP4

Gentlemen:

Champlin Petroleum Company proposes to convert the subject well, located in Unit C of Section 5, T-8-S, R-33-E, Chaveroo-San Andres Pool, Chaves County, New Mexico, to water injection. Attached for your review is a copy of Application Form C-108 and an area plat.

If you, as offset operator, have no objection to this application, please execute two copies of this letter, forwarding one copy to the New Mexico Oil Conservation Commission in Santa Fe, New Mexico and returning one copy to our Midland office. Included for your convenience are pre-addressed envelopes.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

Donald W. Tally, Jr.

D. W. Tally, Jr.
Senior Engineer

DWT:ld
Attachments

Approved:

Company: *The Wiser Oil Co*

By: *Herbert L. Holder*

Date: *11-15-84*

THE WISER OIL COMPANY
MIDLAND
RECEIVED *11-8-84*



A Subsidiary of
Union Pacific Corporation

November 7, 1984

Wiser Oil Co.
904 Building of the Southwest
Midland, Texas 79701

Re: Champlin Petroleum Company
State 5-8-33 Well No. 5
Chaveroo - San Andres Pool
Chaves County, New Mexico

Wiser
Received

NOV 15 1984

W.F. Office

Gentlemen:

Champlin Petroleum Company proposes to convert the subject well, located in Unit G of Section 5, T-8-S, R-33-E, Chaveroo-San Andres Pool, Chaves County, New Mexico, to water injection. Attached for your review is a copy of Application Form C-108 and an area plat.

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CHAMFLIN PETROLEUM COMPANY

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D. W. Tally, Jr.
Senior Engineer
DWT:ld
Attachments

Approved:

Company: *The Wiser Oil Co*

By: *Richard L. Holder*

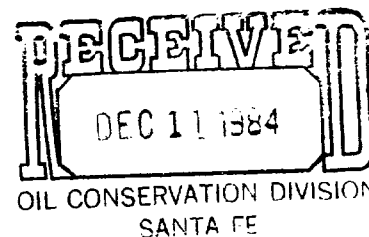
Date: *11-15-84*

THE WISER OIL COMPANY
MIDLAND
RECEIVED *11-8-84*



A Subsidiary of
Union Pacific Corporation

November 7, 1984



State of New Mexico
State Capitol
Santa Fe, New Mexico 87501

Re: Champlin Petroleum Company
State 5-8-33 Well No. 5
Chaveroo - San Andres Pool
Chaves County, New Mexico

Gentlemen:

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If you, as surface owner, have no objection to this application, please execute two copies of this letter, forwarding one copy to the New Mexico Oil Conservation Commission in Santa Fe, New Mexico and returning one copy to our Midland office. Included for your convenience are pre-addressed envelopes.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

Donald W. Tally, Jr.

D. W. Tally, Jr.
Senior Engineer
DWT:ld
Attachments

Approved:

Company: *MM Game & Fish Department*

By: *Monty Worley*

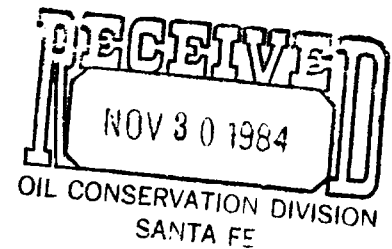
Date *12/10/84*

Champlin Petroleum Company
P.O. Box 7946
Midland, Texas 79708-0946
915/697-4004



A Subsidiary of
Union Pacific Corporation

November 6, 1984



Sun Exploration and Production Co.
P. O. Box 2339
Hobbs, New Mexico 88240

Re: Champlin Petroleum Company
State "5A" Well No. 1
Chaveroo - San Andres Pool
Chaves County, New Mexico

Gentlemen:

Champlin Petroleum Company proposes to convert the subject well, located in Unit C of Section 5, T-8-S, R-33-E, Chaveroo-San Andres Pool, Chaves County, New Mexico, to water injection. Attached for your review is a copy of Application Form C-108 and an area plat.

If you, as offset operator, have no objection to this application, please execute two copies of this letter, forwarding one copy to the New Mexico Oil Conservation Commission in Santa Fe, New Mexico and returning one copy to our Midland office. Included for your convenience are pre-addressed envelopes.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

Donald W. Tally, Jr.

D. W. Tally, Jr.
Senior Engineer
DWT:d
Attachments

Approved:

Company: SUN EXPLORATION & PRODUCTION CO.

By: *C. A. Sutor*

Date: 11-27-84

Champlin Petroleum Company
P.O. Box 7946
Midland, Texas 79708-0946
915/697-4004



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

December 28, 1984

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2083
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	_____
WFX	<u> X </u>
PMX	_____

Gentlemen:

I have examined the application for the:

Champlin Pet. Co. State 5-A	No. 1-C & State 5-8-33	#5-G	5-8-33
Operator	Lease & Well No.	Unit	S-T-R

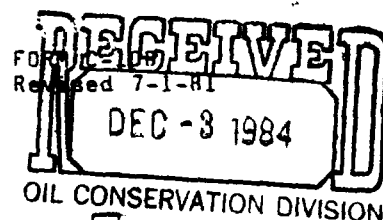
and my recommendations are as follows:

 O.K.----J.S.

Yours very truly,

Jerry Sexton
Supervisor, District 1

/mc



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ SANTA FE
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Champlin Petroleum Co.
Address: P. O. Box 7946, Midland, TX 79708
Contact party: D. W. Tally, Jr. Phone: 915 697-4004
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no R-7843
If yes, give the Division order number authorizing the project
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Donald W. Tally, Jr. Title: Senior Engineer
Signature: Donald W. Tally, Jr. Date: November 28, 1984
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Data submitted 11-7-84 w/outdated Form C-108
- No known fresh water wells within 1 mile.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

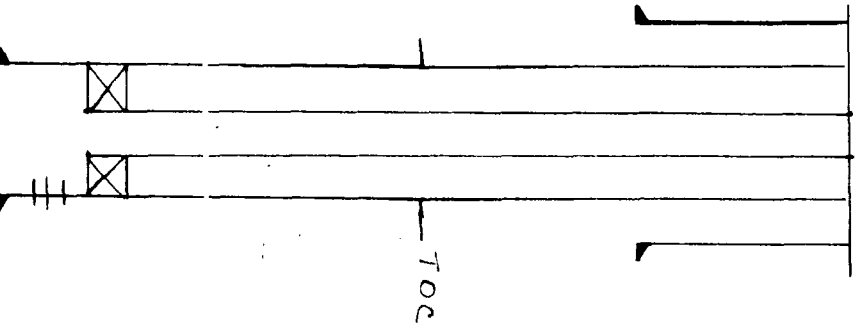
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

SIDE 1

OPERATOR		LEASE	
Champlin Petroleum Company		State 5-8-33	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
5	1980' FN&EL	5	8-S
			RANGE
			33-E

Schematic



Tabular Data

Surface Casing

Size 8-5/8 " Cemented with 600 sx.

TDC Surface feet determined by Circulation

Hole size 12 1/4" to 1150', 11" to 1940'

Intermediate Casing

Size " Cemented with sx.

TDC feet determined by

Hole size

Long string

Size 4 1/2" " Cemented with 250 sx.

TDC 3427 feet determined by Calculation w/30% washout

Hole size 7-7/8"

Total depth 4525'

Injection interval

4223 feet to 4401 feet

(perforated ~~xxxxxxx~~ indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-3/8" Fiberglass lined with ----- (material) set in a

Baker Lok Set Tension (or equivalent) packer at 4170 feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation San Andres

2. Name of Field or Pool (if applicable) Chaveroo (San Andre)

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? Oil Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

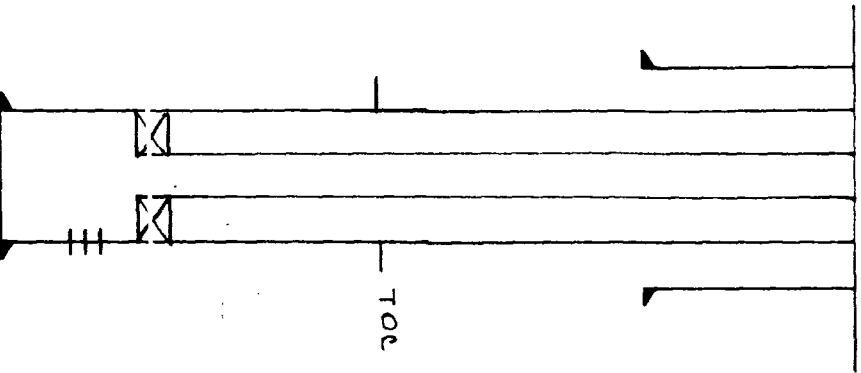
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Tobac (Penn) Pool underlies 1 1/2 miles to south

INJECTION WELL DATA SHEET

SIDE 1

OPERATOR		LEASE	
CHAMPLIN PETROLEUM COMPANY		STATE 5 "A"	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
1	660' FNL & 1980' FNL	5	8-S
			RANGE
			33-E

Schematic



Tabular Data

Surface Casing
 Size 8-5/8 " Cemented with 250 sx.
 TOC Surface feet determined by Circulation
 Hole size 12 1/2" to 374.5'

Intermediate Casing
 Size " Cemented with sx.
 TOC feet determined by
 Hole size

Long string
 Size 4 1/2 " Cemented with 325 sx.
 TOC 3003 feet determined by Calculation w/30% washout.
 Hole size 1-7/8"
 Total depth 4430'

Injection Interval

4216 feet to 4398 feet
 (perforated or ~~otherwise~~, indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-3/8" Fiberglass lined with _____ (material) _____ set in a

Baker Lok-Set Tension (or equivalent) _____ packer at 4150' _____ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation San Andres

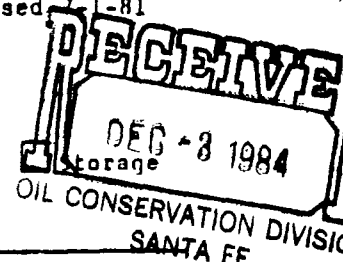
2. Name of Field or Pool (if applicable) Chaveroo (San Andres)

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? Oil Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Tobac (Penn) underlies 2 miles to south.



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Champlin Petroleum Co.
Address: P. O. Box 7946, Midland, TX 79708
Contact party: D. W. Tally, Jr. Phone: 915 697-4004
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
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- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- * VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
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- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Donald W. Tally, Jr. Title: Senior Engineer

Signature: Donald W. Tally, Jr. Date: November 28, 1984

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Data submitted 11-7-84 w/outdated Form C-108

No known fresh water wells within 1 mile.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

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INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-3/8" Fiberglass lined with _____ (material) set in a
 Baker Lok Set Tension (or equivalent) _____ packer at 4170 feet
 (brand and model) _____
 (or describe any other casing-tubing seal).
Other Data

1. Name of the injection formation San Andres

2. Name of Field or Pool (if applicable) Chaveroo (San Andre)

3. Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Oil Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals
 and give plugging detail (sacks of cement or bridge plug(s) used) No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in
 this area. Tobac (Penn) Pool underlies 1 1/2 miles to south

INJECTION WELL DATA SHEET

SIDE 1

OPERATOR

LEASE

Champlin Petroleum Company

State 5-8-33

WELL NO. 5 FOOTAGE LOCATION

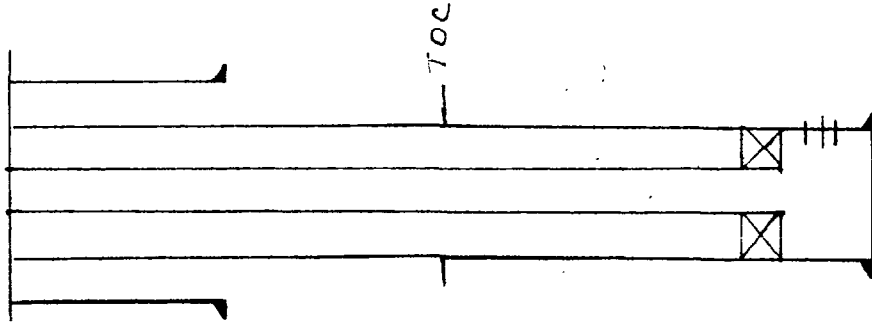
SECTION 5

TOWNSHIP 8-S

RANGE 33-E

5 1980' FN&EL

Schematic



Tabular Data

Surface Casing

Size 8-5/8" Cemented with 600' ex.

TOC Surface feet determined by Circulation

Hole size 12 1/4" to 1150', 11" to 1940'

Intermediate Casing

Size " Cemented with ex.

TOC feet determined by

Hole size

Long string

Size 4 1/2" Cemented with 250' ex.

TOC 3427 feet determined by Calculation w/30% washout

Hole size 7-7/8"

Total depth 4525'

Injection interval

4223 feet to 4401 feet

(perforated ~~xxxxxxx~~, indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-3/8" Fiberglass lined with _____ set in a
_____ (material)
Baker Lok-Set Tension (or equivalent) packer at 4150' feet
(brand and model)
(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool (if applicable) Chaveroo (San Andres)
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil Production

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals
and give plugging detail (sacks of cement or bridge plug(s) used) No

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INJECTION WELL DATA SHEET

SIDE 1

OPERATORLEASE

CHAMPLIN PETROLEUM COMPANY

STATE 5 "A"

WELL NO.FOOTAGE LOCATIONSECTIONTOWNSHIPRANGE

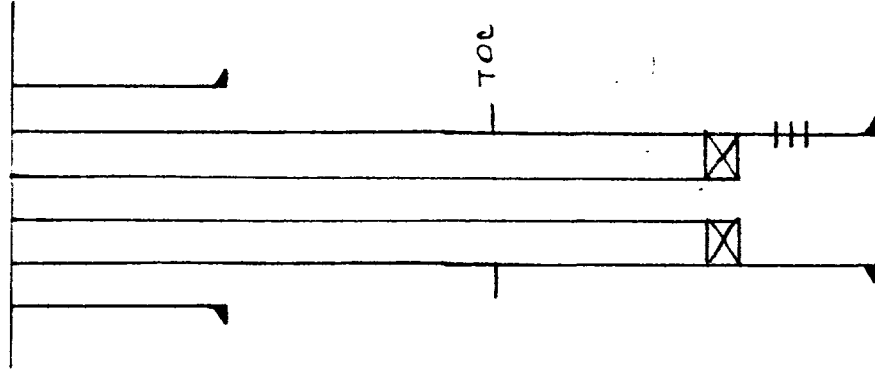
1

660' FNL & 1980' FWL

5

8-S

33-E

SchematicTabular DataSurface CasingSize 8-5/8 " Cemented with 250 sx.TOC Surface feet determined by CirculationHole size 12 1/4" to 374.5'Intermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 4 1/2 " Cemented with 325 sx.TOC 3003 feet determined by Calculation w/30% washout.Hole size 7-7/8"Total depth 4430'Injection Interval

4216 feet to 4398 feet
 (perforated or ~~open~~, indicate which)



A Subsidiary of
Union Pacific Corporation

November 7, 1984

Wiser Oil Co.
904 Building of the Southwest
Midland, Texas 79701

Re: Champlin Petroleum Company
State 5-8-33 Well No. 5
Chaveroo - San Andres Pool
Chaves County, New Mexico

Gentlemen:

Champlin Petroleum Company proposes to convert the subject well, located in Unit G of Section 5, T-8-S, R-33-E, Chaveroo-San Andres Pool, Chaves County, New Mexico, to water injection. Attached for your review is a copy of Application Form C-108 and an area plat.

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Yours very truly,

CHAMPLIN PETROLEUM COMPANY

Donald W. Tally, Jr.

D. W. Tally, Jr.
Senior Engineer
DWT:ld
Attachments

Approved:

Company: *The Wiser Oil Co*

By: *Herbert L. Holder*

Date *11-15-84*