

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

FORM C-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance
☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

II. OPERATOR: Pride Energy Company

ADDRESS: Box 701602 Tulsa, OK 74170-1602

CONTACT PARTY: John Pride PHONE: (918)524-9200

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:
R-3306

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.

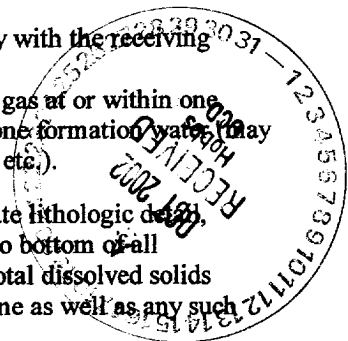
VII. Attach data on the proposed operation, including:

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 geologic data on the injection zone including appropriate lithologic data, geologic 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 sources 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).

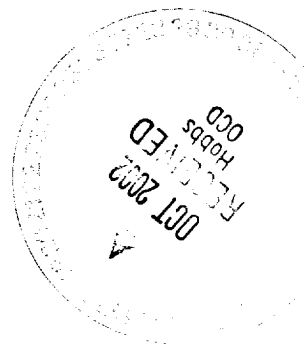
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they 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 sources 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: Eddie W. Seay TITLE: Agent

SIGNATURE: Eddie W. Seay DATE: _____

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office



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 the 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:

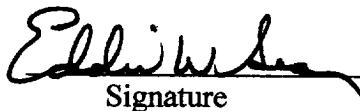
(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section,

ATTACHMENT TO APPLICATION C-108

Pride Energy Company
South Four Lake Unit #6
Unit I, Sect. 2, T. 12 S., R. 34 E.
Lea Co., NM

- III. Well data information sheets attached.
- IV. No.
- V. Map attached.
- VI. List of wells and data attached.
- VII. Proposed Operation
 - (1) Average daily injection volume is 1500 bls. per day.
 - (2) Closed system.
 - (3) The average injection pressure is 500 psig with a maximum injection pressure of 1000 psig.
 - (4) Produced water from Pride's own production.
 - (5) Attached analysis.
- VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic name is Wolfcamp and also the Penn. The Wolfcamp and Penn are from 9100' to 10300'.
The fresh water formation in this area is the Ogallala which ranges in thickness from top of H2O at 60' to the base of fresh water at 240'.
- IX. Acid as needed.
- X. Previously submitted.
- XI. Attached.
- XII. I, Eddie W. Seay, 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 pertaining to this well.


Signature

10/15/2002
Date

XIII. Proof of Notices attached.

XIV. Signed Application.

INJECTION WELL DATA SHEET

OPERATOR: Pride Energy CompanyWELL NAME & NUMBER: South Four Lakes Unit #6WELL LOCATION: 1990/S 660/EUNIT LETTER I SECTION 2 TOWNSHIP 12S RANGE 34E

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/4 Casing Size: 13 3/8
Cemented with: 375 sx. or ft³Top of Cement: Surface Method Determined: Circulated
Intermediate CasingHole Size: 12 1/4 Casing Size: 9 5/8
Cemented with: 2300 sx. or ft³Top of Cement: Surface Method Determined: Circulated
Production CasingHole Size: 8 3/4 Casing Size: 7
Cemented with: 1180 sx. or ft³Top of Cement: 9460 Method Determined: TS
Total Depth: 12855

New Perfs

Injection Interval

9170 feet to 9500 WolfcampExisting perfs 9901 to 10280 Permitted
(Perforated or Open Hole; indicate which)13 3/8" casing set at 401' with 375 sx. or 0 cement
Hole size 17 1/4" circulated9 5/8" casing set at 4155' with 2300 sx. or 0 cement
Hole size 12 1/4" circulated7" casing set at 12855' with 1180 sx. or 0 cement
Total depth 12855' Hole size 8 3/4" TOC 9460

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: Plastic Coated
 Type of Packer: Baker Model B on Loc Set
 Packer Setting Depth: 9100
 Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

1. Is this a new well drilled for injection? Yes X No

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

Producing oil well

2. Name of the Injection Formation: existing is Penn - New perms in Wolfcamp
 3. Name of Field or Pool (if applicable): South Four Lakes
 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. yes

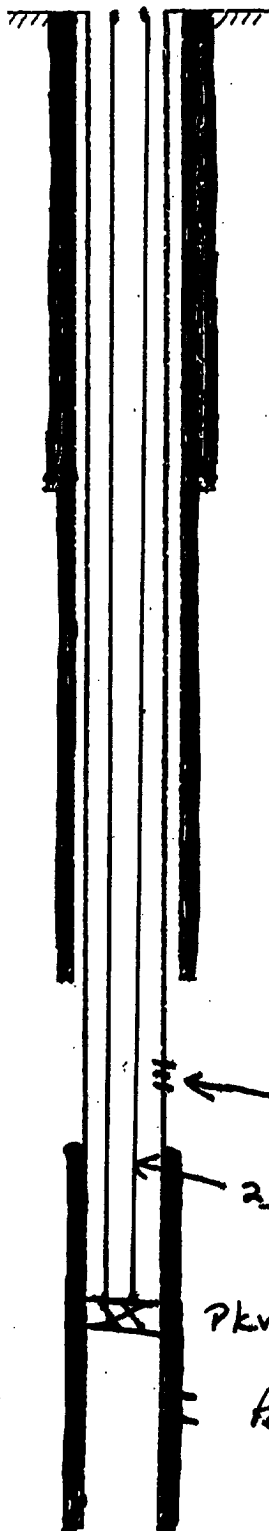
From 9901 to 10280

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

the Abo is above at 7738'

the Mississippi is below at 11953'

| | | | |
|----------|----------------------|----------|-----------------------|
| OPERATOR | Pride Energy Company | | DATE |
| LEASE | South Four Lakes | WELL No. | 6 |
| | | LOCATION | Unit I Sect 2 T12 R34 |



13 $\frac{3}{8}$ " casing set at 401 ' with 375 sx of C cement

Hole size 17 $\frac{1}{4}$ " circulated

9 $\frac{5}{8}$ " casing set at 4153 ' with 2300 sx of C cement

Hole size 12 $\frac{1}{4}$ " circulated

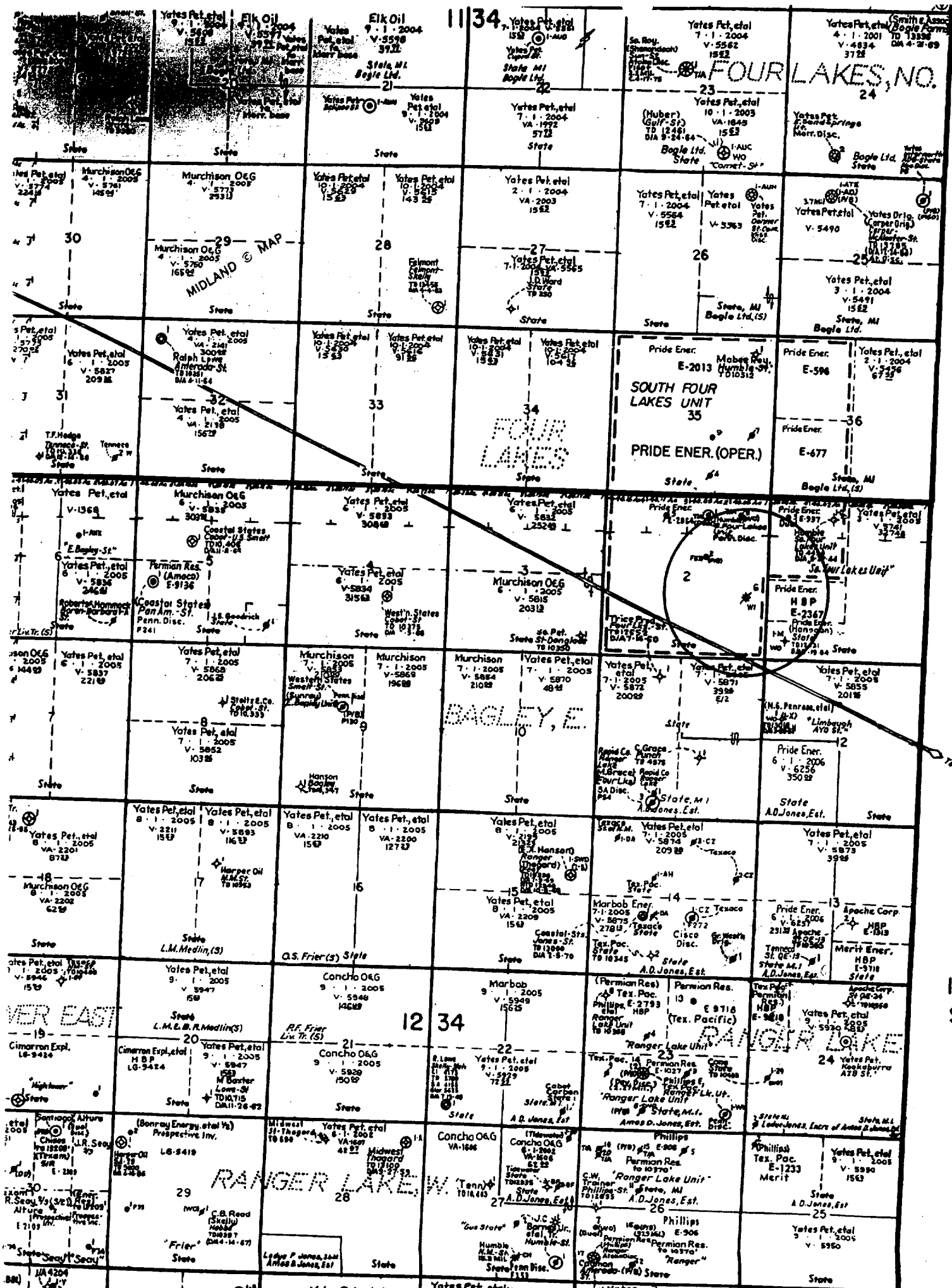
← 2 $\frac{7}{8}$ Tubing
 ← PKR set 9770

Perfs

New perfs. to be added 9100-9500
 if permit approved. Pride will perforate
 7 in casing at 9100 and tie back to
 9 $\frac{5}{8}$ at 4153.

7 " casing set at 12855 ' with 1180 sx of C cement

Total depth 12855 ' Hole size 8 $\frac{3}{4}$ " TOC 9460



T
12
S

LIST OF OFFSET WELLS

Pride Energy Co.

Well #8, Unit A, Sect. 2, T. 12 S., R. 34 E., 660/N 990/E

| HOLE | CSG | SET | CEMENT | |
|---------|---------|--------|---------|-----------|
| 17 1/4" | 13 3/8" | 406' | 500 sx | Circ |
| 10 3/4" | 8 5/8" | 4170' | 1600 sx | TOC 3200' |
| 7 7/8" | 5 1/2" | 12845' | 2445 sx | TOC 3800' |

Pride Energy Co.

Well #2, Unit G, Sect. 2, T. 12 S., R. 34 E., 1980/N 1980/E

| HOLE | CSG | SET | CEMENT | |
|---------|---------|--------|---------|-----------|
| 17 1/2" | 13 3/8" | 326' | 325 sx | Circ |
| 12 1/4" | 9 5/8" | 4200' | 2300 sx | Circ |
| 7 7/8" | 5 1/2" | 12924' | 1925 sx | TOC 5125' |

Pride Energy Co.

Well #1, Unit B, Sect. 2, T. 12 S., R. 34 E., 660/N 1980/E

| HOLE | CSG | SET | CEMENT | |
|---------|---------|--------|---------|--------------|
| 17 1/2" | 13 3/8" | 389' | 325 sx | |
| 12 1/4" | 9 5/8" | 4220' | 3000 sx | |
| 7 7/8" | 5 1/2" | 11417' | 2350 sx | TOC 2325' TS |

Pride Energy Co.

Well #3, Unit D, Sect. 1, T. 12 S., R. 34 E., 660/N 660/W

| HOLE | CSG | SET | CEMENT | |
|---------|---------|--------|---------|-----------|
| 17 1/4" | 13 3/8" | 378' | 325 sx | Circ |
| 12 1/4" | 9 5/8" | 4200' | 2500 sx | Circ |
| 8 3/4" | 7" | 12874' | 2900 sx | TOC 5708' |

Pride Energy Co.

Well #1, Unit M, Sect. 1, T. 12 S., R. 34 E., 660/S 660/W
P & A

PLUGS

25 sx at 11030'
25 sx at 9920'
25 sx at 9205'
25 sx at 7030'
25 sx at 5595'
25 sx at 4175' shoe of 9 5/8"
25 sx at 1050' stub of 9 5/8"
25 sx at 300' Base of Surface
10 sx at surface plug.

| CSG | SET | CEMENT | |
|--------------------------|------|--------|------|
| 13 3/8" | 306' | | Circ |
| 9 5/8" | 4164 | 450 sx | |
| 8 3/4" hole to 12324' | | | |
| Well schematic attached. | | | |

Exxon Corp.

South 4 Lakes Unit
Well #5, Unit C, Sect. 2, T. 12 S., R. 34 E., 660/N 1980/W
P & A

| CSG | SET | CEMENT | |
|-------------------------|--------|---------|-----------|
| 13 3/8" | 375' | 400 sx | Circ |
| 9 5/8" | 4200' | 2400 sx | Circ |
| 5 1/2" | 10456' | 350 sx | TOC 8205' |
| TD 13020' | | | |
| Plug back to 10456' | | | |
| See attached schematic. | | | |

006
56 x 8
07
6-2006

| | | | | |
|----------|-----------------|----------|----------------|----|
| OPERATOR | Pride Energy Co | | DATE | DA |
| LEASE | South Four Lake | WELL No. | LOCATION | |
| | | 1 | M St 1 T12 R34 | |

Plug of surface

Plug at
surface
shoe

$13\frac{3}{8}$ " casing set at 306' with 300 sx of C ceme

Hole size $17\frac{1}{4}$ " cine

Stub plug 1050

Plug of shoe

Plug 5595

Plug 7030 -

9 $\frac{1}{2}$ " casing set at 4164' with 450sx sx of C cen

Total Depth 12324' Hole size $12\frac{1}{4}$ "

8 $\frac{3}{4}$ " hole to TD and plugged

plug 9200

plug 9920

- Plug 11030

| | |
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| LAND OFFICE | |
| OPERATOR | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
E-2064

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

| | |
|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator HUMBLE OIL & REFINING COMPANY | 8. Farm or Lease Name SOUTH FOUR LAKES |
| 3. Address of Operator P.O. BOX 1600, MIDLAND, TEXAS 79701 | 9. Well No. 5 |
| 4. Location of Well UNIT LETTER C 660 FEET FROM THE NORTH LINE AND 1980 FEET FROM THE WEST LINE, SECTION 2 TOWNSHIP 12-S RANGE 34-E NMPM. | 10. Field and Pool, or Wildcat FOUR LAKES PENN |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4160 DF | 12. County LEA |

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
|---|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input type="checkbox"/> |
| PLUG AND ABANDON <input checked="" type="checkbox"/> CHANGE PLANS <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any prop. work) SEE RULE 1703.

- HYDRO TEST TUBING OUT TO DISCARD BAD JOINTS.
- RUN TBG. BACK OPEN ENDED AND PLACE 20 SX CLASS H CEMENT PLUG FROM 9925-9945. PUMP ALL PLUGS DOWN WITH PRODUCED WATER CONTAINING 25 SX GELL/100BBLs. PULL TBG.
- ESTABLISH FREE POINT AND CUT OFF 5 1/2" CSG. ABOVE THE CEMENT AT ABOUT 8205'. PULL CSG.
- RUN TBG AND PLACE PLUGS AS FOLLOWS
40 SX ACROSS THE 5 1/2" CSG. CUT
40 SX 5400-5500 ABOVE SAN ANGELO
40 SX 4165-4265 ACROSS 9 5/8" CSG. SEAT AND BELOW SAN ANDRES
10 SX SURFACE
- PLACE WELL MARKER AND CLEAN UP LOCATION.

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

SIGNED *James H. [Signature]* TITLE UNIT HEAD DATE 11-27-72

APPROVED BY *Joe D. [Signature]* TITLE DATE NOV 29 1972

CONDITIONS OF APPROVAL, IF ANY:

| | |
|------------------------|--|
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| FILE | |
| U.S.G.S. | |
| LAND OFFICE | |
| OPERATOR | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

| | |
|---|-----|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee |
| 5. State Oil & Gas Lease No. | |
| E-2064 | |

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

| | |
|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator EXXON CORPORATION | 8. Farm or Lease Name SOUTH FOUR LAKES U. |
| 3. Address of Operator P.O. Box 1600, MIDLAND, TEXAS 79701 | 9. Well No. 5 |
| 4. Location of Well UNIT LETTER C 660 FEET FROM THE NORTH LINE AND 1980 FEET FROM THE WEST LINE, SECTION 2 TOWNSHIP 12-S RANGE 34-E NMPM. | 10. Field and Pool, or Wildcat FOUR LAKES PEN. |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4160 DF | 12. County LEA |

| | | | |
|--|---|--|---|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOBS <input type="checkbox"/> | |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

SET DR PLUG IN BAKER MODEL D PKR AT 9899, CIRCULATED WE. W/200 BBL SALT GEL MUD AND SPOT 20 SX CEMENT PLUG. RAN FREE POINT INDICATOR, 5 1/2" CSG STUCK AT 5165. SHOT 5 1/2 CSG WITH JET CUTTER AT 5125. SPOTTED 40 SX PLUG THRU TBG AT 5128, PULLED TBG TO 4265 AND SHOT 40 SX PLUG. REMOVED BOP, MIXED 10 SX SURFACE PLUG, INSTALLED WELL MARKER AND CLEANED UP LOCATION.

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

| | | |
|--------------------------------|-----------------|-----------------|
| SIGNED <u>[Signature]</u> | TITLE UNIT HEAD | DATE 1-29-73 |
| APPROVED BY <u>[Signature]</u> | TITLE | DATE NOV 1 1973 |
| CONDITION OF APPROVAL, IF ANY: | | |

| | | | | |
|----------|------------------|---------|------|---------------------------|
| OPERATOR | Exxon Corp | | DATE | 1973 PA |
| LEASE | South four Lakes | WELL No | 5 | LOCATION C Sect 2 T12 R34 |

440/N 1980/W

surface plug

13 $\frac{3}{8}$ " casing set at 375' with 400 sx of C cement

Hole size 17 $\frac{1}{4}$ " Cin

Shoe plug

9 $\frac{5}{8}$ " casing set at 4200' with 2400 sx of C cement

40 sv plug

Hole size 12 $\frac{1}{4}$ " Cin

3 $\frac{1}{2}$ stub 5125 40 sv plug

plug at 9899

5 $\frac{1}{2}$ " casing set at 10454' with 350 sx of C cement

plug

Total depth 13020' Hole size 7 " TBC 8205

BARRELS OF LIQUID HYDROCARBON. SHUT IN PRESSURE _____ LBS. Gravity 60.5

LENGTH OF TIME SHUT IN _____

PLEASE INDICATE BELOW FORMATION TOPS (In Conformance With Geographical Section Of State):

| SOUTHEASTERN NEW MEXICO | | NORTHWESTERN NEW MEXICO | |
|--------------------------|-------------------------|-----------------------------|--|
| T. ANHY _____ 2035 | T. DEVONIAN _____ 12582 | T. OJO ALAMO _____ | |
| T. SALT _____ 2140 | T. SILURIAN _____ | T. KIRTLAND-FRUITLAND _____ | |
| B. SALT _____ | T. MONTOYA _____ | T. FARMINGTON _____ | |
| T. YATES _____ 2805 | T. SIMPSON _____ | T. PICTURED CLIFFS _____ | |
| T. 7 RIVERS _____ | T. McKEE _____ | T. MENESEE _____ | |
| T. QUEEN _____ | T. ELLENBURGER _____ | T. POINT LOOKOUT _____ | |
| T. GRAYBURG _____ | T. GR. WASH _____ | T. MANCOS _____ | |
| T. SAN ANDRES _____ 4114 | T. GRANITE _____ | T. DAKOTA _____ | |
| T. GLORIETA _____ 5555 | T. _____ | T. MORRISON _____ | |
| T. DRINKARD _____ | T. _____ | T. PENN _____ | |
| T. TUBBS _____ 6986 | T. _____ | T. _____ | |
| T. ABO _____ 7738 | T. _____ | T. _____ | |
| T. PENN _____ | T. _____ | T. _____ | |
| T. MISS _____ 11953 | T. _____ | T. _____ | |

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION | FROM | TO | THICKNESS IN FEET | FORMATION |
|-------|-------|----------------------|--|------|----|----------------------|-----------|
| 0 | 2035 | 2035 | Redbeds | | | | |
| 2035 | 2140 | 105 | Anhydrite | | | | |
| 2140 | 2805 | 665 | Salt & anhydrite | | | | |
| 2805 | 4114 | 1309 | Sand, shale & anhydrite | | | | |
| 4114 | 5555 | 1441 | Dolomite & anhydrite | | | | |
| 5555 | 7745 | 2190 | Dolomite, shale, sandstone, & anhydrite | | | | |
| 7745 | 8992 | 1247 | Shale, anhydrite & dolomite | | | | |
| 8992 | 9700 | 708 | Limestone, dolomite & shale | | | | |
| 9700 | 11350 | 1650 | Limestone & shale | | | | |
| 11350 | 11953 | 603 | Sandstone, shale & limestone | | | | |
| 11953 | 12496 | 543 | Limestone & chert | | | | |
| 12496 | 12582 | 86 | Shale & limestone | | | | |
| 12582 | 12870 | 288 | Dolomite & chert | | | | |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I HEREBY SWEAR OR AFFIRM THAT THE INFORMATION GIVEN HERewith IS A COMPLETE AND CORRECT RECORD OF THE WELL AND ALL WORK DONE ON IT SO FAR AS CAN BE DETERMINED FROM AVAILABLE RECORDS.

April 30, 1959

COMPANY OR OPERATOR Humble Oil & Refining Company

ADDRESS Box 2347, Hobbs, New Mexico (DATE)

NAME W. R. ALWORTH

POSITION OR TITLE Agent

**New Mexico Office of the State Engineer
Well Reports and Downloads**

Township: 12S Range: 34E Sections: 2

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

WELL / SURFACE DATA REPORT 10/11/2002

| DB File Mbr | Use | Diversion | Owner | Well Number | Source | Tws | Rng | Sec | q |
|--------------------|-----|-----------|-------------|--------------------|--------|-----|-----|-----|---|
| <u>L 03005</u> | PRO | 3 | EXXON CORP. | <u>L 03005</u> | | 12S | 34E | 02 | 2 |
| <u>L 03005 (1)</u> | PRO | | EXXON CORP. | <u>L 03005 (1)</u> | | 12S | 34E | 02 | 2 |

Record Count: 2

000
SQ
6000



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTING
ATTN: EDDIE SEAY
601 W. ILLINOIS
HOBBS, NM 88242
FAX TO:

Receiving Date: 10/10/02
Reporting Date: 10/15/02
Project Owner: PRIDE ENERGY
Project Name: PRIDE 4 LAKES SWD
Project Location: WEST TATUM

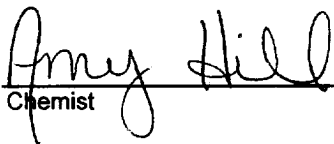
Sampling Date: 10/10/02
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

| LAB NUMBER SAMPLE ID | P-Alkalinity (mg/L) | T-Alkalinity (mg/L) | Hardness (mg/L) | Chloride (mg/L) | Sulfates (mg/L) | pH (s.u.) |
|-----------------------------|------------------------|------------------------|--------------------|--------------------|--------------------|--------------|
| ANALYSIS DATE | 10/14/02 | 10/14/02 | 10/14/02 | 10/14/02 | 10/14/02 | 10/14/02 |
| H7119-1 4 LAKES #1 | 0 | 195 | 344 | 180 | 158 | 7.30 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Quality Control | NR | NR | 48 | 970 | 49.34 | 6.96 |
| True Value QC | NR | NR | 50 | 1000 | 50.00 | 7.00 |
| % Recovery | NR | NR | 96.0 | 97.0 | 98.7 | 99.4 |
| Relative Percent Difference | NR | NR | 0 | 8.0 | 0.2 | 0.1 |

| | | | | | | |
|---------------------------|--------|--------|-------|----------|-------|-------|
| METHODS: EPA 600/4-79-020 | - | - | 130.2 | - | 375.4 | 150.1 |
| Standard Method | 2320 B | 2320 B | - | 4500-ClB | - | - |

| LAB NUMBER SAMPLE ID | Hydroxides (mg/L) | Carbonate (mg/L) | Bicarbonate (mg/L) | Conductivity (umhos/cm) | TDS (mg/L) |
|-----------------------------|----------------------|---------------------|-----------------------|----------------------------|---------------|
| ANALYSIS DATE | 10/14/02 | 10/14/02 | 10/14/02 | 10/14/02 | 10/15/02 |
| H7119-1 4 LAKES #1 | 0 | 0 | 238 | 966 | 528 |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | NR | NR | 1056 | 1489 | NR |
| True Value QC | NR | NR | 1000 | 1413 | NR |
| % Recovery | NR | NR | 106 | 105 | NR |
| Relative Percent Difference | NR | NR | 8.1 | 0.3 | 8.8 |

| | | | | | |
|---------------------------|--------|--------|--------|-------|-------|
| METHODS: EPA 600/4-79-020 | - | - | - | 120.1 | 160.1 |
| Standard Method | 2320 B | 2320 B | 2320 B | - | - |


Chemist

10-15-02
Date

UJO
SQGCH
07-12-02
HOBBS

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

NOTICES

Pride Energy Co.
P.O. Box 701602
Tulsa, OK 74170-1602

State Land Office
Box 1148
Santa Fe, NM 87504-1148

NMOCD
Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

000
50004
07-11-11
11-11

**PRIDE ENERGY CO.
BOX 701602
TULSA, OK 74170-1602**

October 17, 2002

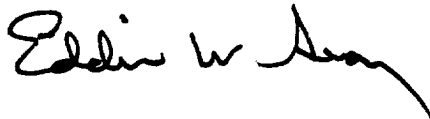
RE: South Four Lakes #6
Unit I, Sect. 2, Tws. 12 S., Rng. 34 E.

Dear Sirs:

In accordance with the rules and regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject, in the above captioned well.

Any questions about the permit can be directed to Eddie W. Seay, (505)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is P.O. Box 6429, 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank you,



Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

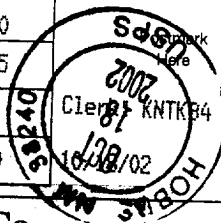
6429
505
10/17/02

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 2764 8954

OFFICIAL USE

| | | |
|---|----------------|---------------|
| Postage | \$ 1.29 | UNIT ID: 0640 |
| Certified Fee | 2.30 | |
| Return Receipt Fee (Endorsement Required) | 1.75 | |
| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ 5.34 | |



Sent To
Pride Energy Co.
 Street, Apt. No., or PO Box No. **P.O. Box 701602**
 City, State, ZIP+4 **Tulsa, OK 74170-1602**

PS Form 3800, January 2001 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 2764 8947

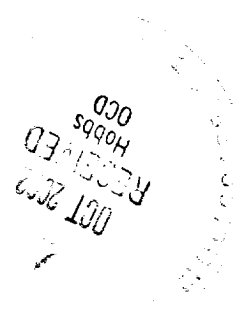
OFFICIAL USE

| | | |
|---|----------------|---------------|
| Postage | \$ 1.29 | UNIT ID: 0640 |
| Certified Fee | 2.30 | |
| Return Receipt Fee (Endorsement Required) | 1.75 | |
| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ 5.34 | |



Sent To
State Land Office
 Street, Apt. No., or PO Box No. **P.O. Box 1148**
 City, State, ZIP+4 **Santa Fe, NM 87504-1148**

PS Form 3800, January 2001 See Reverse for Instructions



LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Pride Energy Company, Box 701602, Tulsa, OK 74170-1602, is filing application for a salt water disposal. The well being applied for is the South Four Lakes Well #6 located in Unit Letter I, 1980/S 660/E in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Penn and Wolfcamp from 9170' to 10280'. The expected maximum rate of injection will be 1500 bls. per day and the expected maximum injection pressure will be 1000 psi. Any questions about the application can be directed to Eddie W. Seay, (505)392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, Box 6429, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87504, within fifteen (15) days.

RECEIVED
OCT 2002
Hobbs
OCD

Affidavit of Publication

STATE OF NEW MEXICO

)

) ss.

COUNTY OF LEA

)

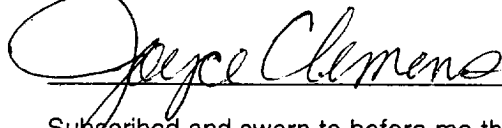
Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

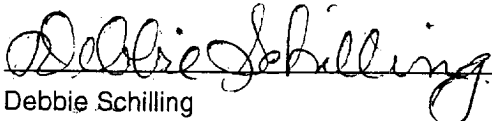
Legal Notice

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of October 13, 2002 and ending with the issue of October 13, 2002.

And that the cost of publishing said notice is the sum of \$ 18.21 which sum has been (Paid) as Court Costs.



Subscribed and sworn to before me this 15th day of October 2002.



Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2006

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Pride Energy Company, Box 701602, Tulsa, OK 74170-1602, is filing application for a salt water disposal. The well being applied for is the South Four Lakes Well #6 located in Unit Letter L, 1980/S 660/E in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Penn and Wolfcamp from 9170' to 10280'. The expected maximum rate of injection will be 1500 bbls. per day and the expected maximum injection pressure will be 1000 psi. Any questions about the application can be directed to Eddie W. Seay, (505) 392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, Box 6429, 1320 South Saint Francis Drive, Santa Fe, New Mexico 87504, within fifteen (15) days. Published in the Lovington Daily Leader October 13, 2002.

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OCT 2002
Hobbs
OCO