

DATE IN 8-26-04	SUSPENSE 9/1/04	ENGINEER Jones	LOGGED IN 8-26-04	TYPE SWD	APP NO. PSEM0424326975
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36  
ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



RECEIVED

AUG 26 2004

### ADMINISTRATIVE APPLICATION CHECKLIST

OIL CONSERVATION  
DIVISION

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Eddie W. Seay  
Print or Type Name

Signature

Agent  
Title

Date

seay04@leaco.net  
e-mail Address

8/13/2004

**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: Steve Gillett 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: \_\_\_\_\_
- 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 detail, 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: 8/13/2004

- \* 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

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

8/13/2004 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: well was drilled

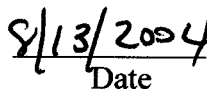
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

## ATTACHMENT TO APPLICATION C-108

Pride Energy Company  
South Four Lake Unit #8  
Unit A, Sect. 2, T. 12 S., R. 34 E.  
Lea Co., NM

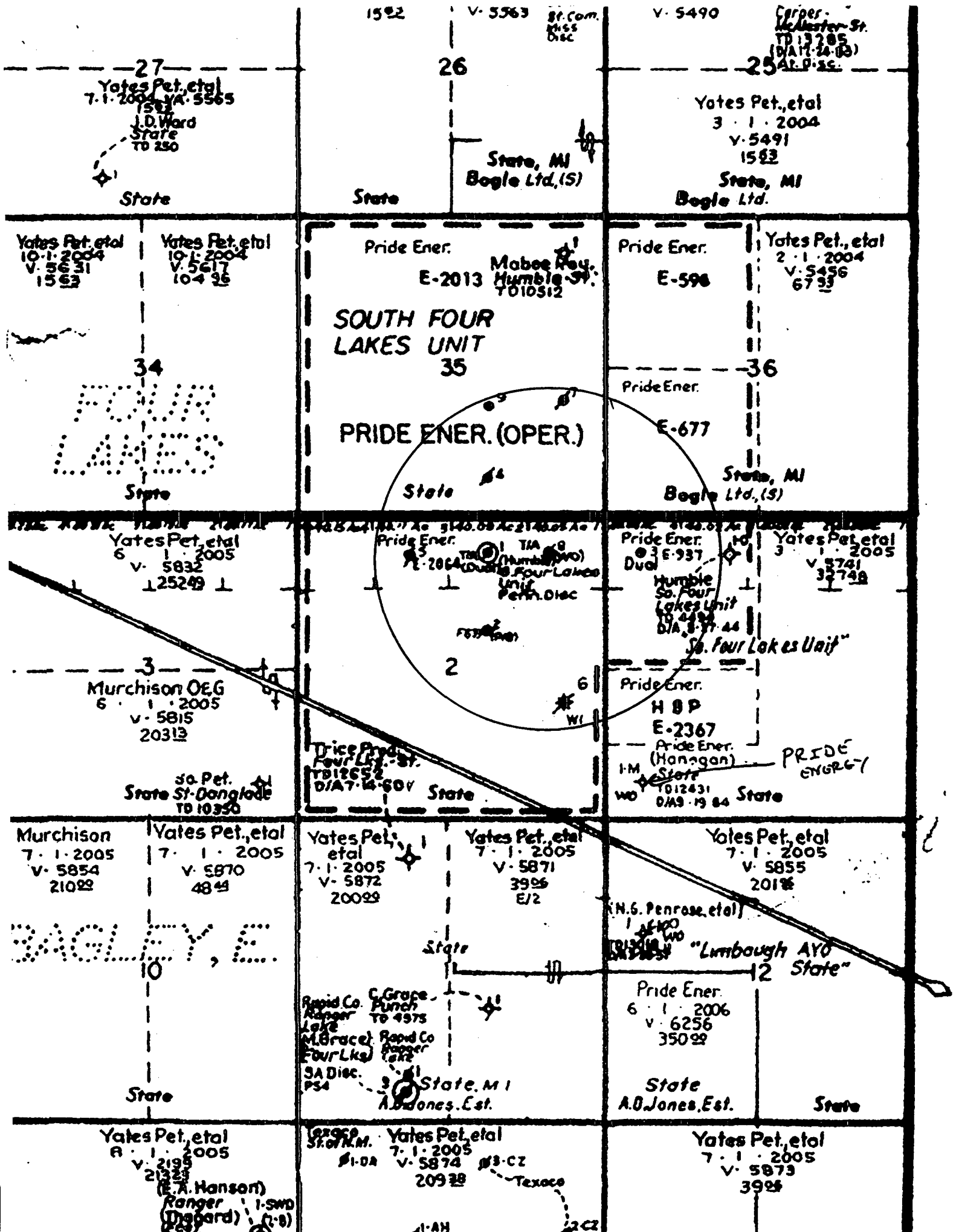
- III. Well data information sheets attached.
- IV. No.
- V. Map attached.
- VI. List of wells and data attached.
- VII. Proposed Operation
  - (1) Average daily injection volume is 5000 to 10,000 bls. per day.
  - (2) Closed system.
  - (3) The average injection pressure is 1000 psig with a maximum injection pressure of 2500 psig or whatever OCD allows.
  - (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 Penn and also the Devonian. The Penn and Devonian are from 9900' to 12800'.  
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

  
Date

**XIII. Proof of Notices attached.**

**XIV. Signed Application.**



1502

V. 5363

St. Com.  
Disc

V. 5490

Corpor.  
McMaster-St.  
TD 13785  
(D/A 17-24-10)  
At P. 25.

27

Yates Pet., et al  
7.1.2004  
V. 5565  
J.D. Ward  
State  
TD 230

26

State, MI  
Bogle Ltd. (S)

25

Yates Pet., et al  
3.1.2004  
V. 5491  
1563

State, MI  
Bogle Ltd.

State

State

Yates Pet., et al  
10.1.2004  
V. 5631  
1563

Yates Pet., et al  
10.1.2004  
V. 5617  
10-4 25

Pride Ener.

E-2013

Mabee Roy.  
Humble Roy.  
TD 10312

SOUTH FOUR  
LAKES UNIT  
35

PRIDE ENER. (OPER.)

Pride Ener.

E-598

Yates Pet., et al  
2.1.2004  
V. 5456  
6733

34

SOUTH  
FOUR  
LAKES

State

36

Pride Ener.

E-677

State, MI  
Bogle Ltd. (S)

State

Yates Pet., et al  
6.1.2005  
V. 5832  
125249

Pride Ener.

TD 2064  
(Humble Roy.)  
(Duke Four Lakes Unit)  
Perth. Disc

Pride Ener.

E-937

Yates Pet., et al  
3.1.2005  
V. 5741  
32748

Humble  
So. Four  
Lakes Unit  
TD 4434  
D/A 8-17-44

So. Four Lakes Unit"

3

Murchison O&G  
6.1.2005  
V. 5815  
20313

2

Pride Ener.

HBP  
E-2367

Pride Ener.  
(Hannan)

PRIDE  
ENERGY

So. Pet.  
State St. Donagode  
TD 10350

Trice Prod.  
Four Lakes Unit  
TD 12652  
D/A 7-14-60

State

1-M  
State  
TD 12431  
D/A 9-19-84

State

Murchison  
7.1.2005  
V. 5854  
21022

Yates Pet., et al  
7.1.2005  
V. 5870  
4844

Yates Pet., et al  
7.1.2005  
V. 5872  
20099

Yates Pet., et al  
7.1.2005  
V. 5871  
3906  
E/2

Yates Pet., et al  
7.1.2005  
V. 5855  
20186

10

State

State

12

State

Rapid Co.  
C. Grace  
Punch  
Ranger  
Lake  
M. Grace  
Rapid Co.  
Four Lakes  
Lake  
SA Disc.  
P34

State, MI  
A.D. Jones, Est.

Pride Ener.  
6.1.2006  
V. 6256  
35099

State  
A.D. Jones, Est.

State

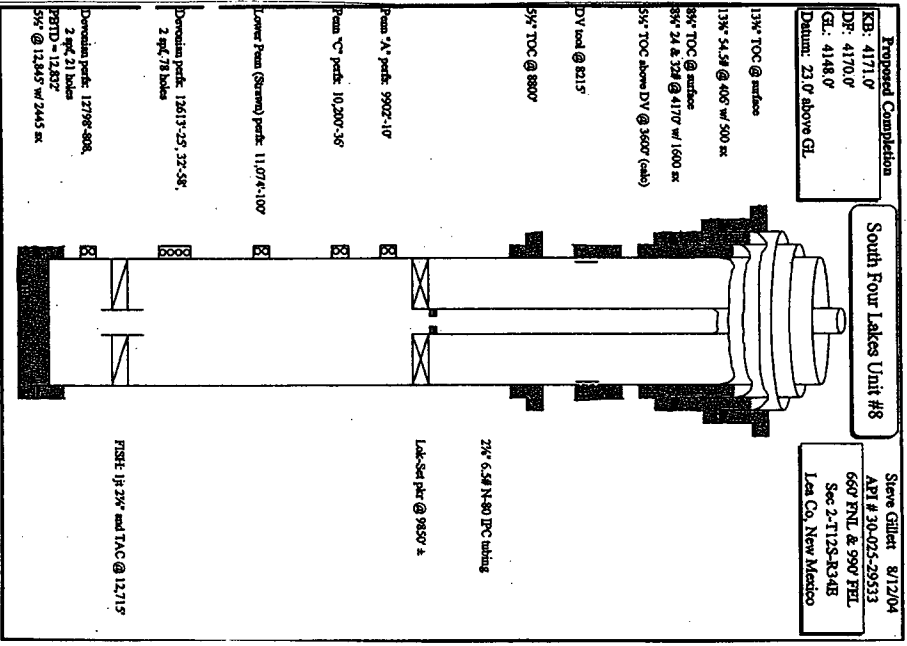
Yates Pet., et al  
R. 1.2005  
V. 2195  
21323  
(E.A. Hanson)  
Ranger  
(Thebard)  
(2-8)  
TD 10320

Yates Pet., et al  
7.1.2005  
V. 5874  
20928  
#1-DA  
#3-CZ  
Texaco  
1-AH  
2-CZ

Yates Pet., et al  
7.1.2005  
V. 5873  
3906

OPERATOR Pride Energy Co LEASE South Four Lakes Unit  
 WELL NO. 8 1201N 9901E SECTION 2 TOWNSHIP 12 S RANGE 34 E  
 FOOTAGE LOCATION

Schematic



Well Construction Data

Surface Casing  
 Size 13 3/8 Cemented with 500 SX.  
 TOC Line feet determined by circulation to surface  
 Hole Size 17 1/4"

Intermediate Casing  
 Size 8 5/8 Cemented with 1600 SX.  
 TOC 3200 feet determined by TS  
 Hole Size 10 3/4

Long String  
 Size 5 1/2 Cemented with 2445 SX.  
 TOC 3800 feet determined by TS  
 Hole Size 7 7/8  
 Total Depth 12845'  
 Injection Interval

9900 feet to 12800 feet  
 (perforated or open-hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: 1PC  
 Type of Packer: Lok-Set  
 Packer Setting Depth: 9850'  
 Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

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

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

oil

2. Name of the Injection Formation: Perm and Devonian  
 3. Name of Field or Pool (if applicable): South Four Lakes Unit  
 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. N/A

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

The H<sub>2</sub>O is at 7800

The Silurian is at 13000



## 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 #8, Unit J, Sect. 35, T. 11 S., R. 34 E.

CSG	SET	CEMENT	
13 3/8"	415'	700 sx	Circ
8 5/8"	4200'	1250 sx	Circ
5 1/2"	10551'	1320 sx	TOC 5250'

**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.

**Pride Energy Co.**

Well #4, Unit O, Sect. 35, T. 11 S., R. 34 E.

P & A

CSG	SET	CEMENT	
13 3/8"	394'	732 sx	Circ
9 5/8"	4218'	2500 sx	Circ
7"	12893'	2000 sx	Circ

(P & A schematic attached)

### Current Completion

KB: 4171.0'

DF: 4170.0'

GL: 4148.0'

Datum: 23.0' above GL

### South Four Lakes Unit #8

Steve Gillett 8/12/04

API # 30-025-29533

660' FNL & 990' FEL

Sec 2-T12S-R34E

Lea Co, New Mexico

13 $\frac{3}{8}$ " TOC @ surface

13 $\frac{3}{8}$ " 54.5# @ 406' w/ 500 sx

8 $\frac{5}{8}$ " TOC @ surface

8 $\frac{5}{8}$ " 24 & 32# @ 4170' w/ 1600 sx

5 $\frac{1}{2}$ " TOC above DV @ 3600' (calc)

DV tool @ 8215'

5 $\frac{1}{2}$ " TOC @ 8800'

Penn "A" perfs: 9902'-10'

Penn "C" perfs: 10,200'-36'

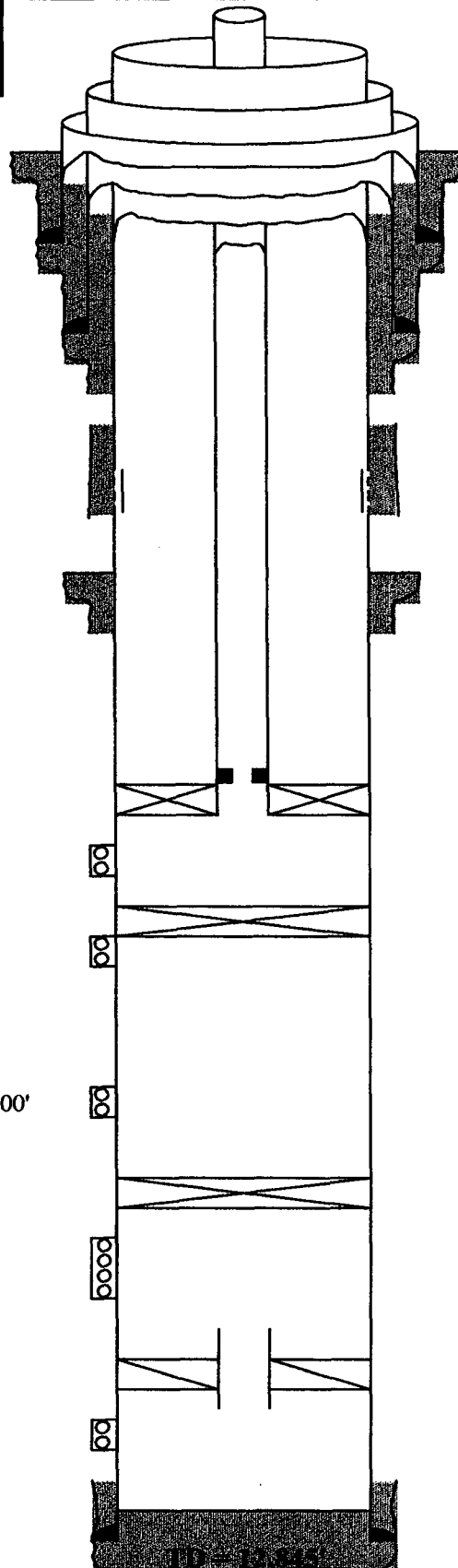
Lower Penn (Strawn) perfs: 11,074'-100'

Devonian perfs: 12613'-25', 32'-58',  
2 spf, 78 holes

Devonian perfs: 12798'-808,  
2 spf, 21 holes

PBTD = 12,832'

5 $\frac{1}{2}$ " @ 12,845' w/ 2445 sx



CIBP @ 10,200'

CIBP @ 12,560

FISH: 1jt 2 $\frac{7}{8}$ " and TAC @ 12,715'

### Proposed Completion

KB: 4171.0'

DF: 4170.0'

GL: 4148.0'

Datum: 23.0' above GL

### South Four Lakes Unit #8

Steve Gillett 8/12/04

API # 30-025-29533

660' FNL & 990' FEL

Sec 2-T12S-R34E

Lea Co, New Mexico

13 $\frac{3}{8}$ " TOC @ surface

13 $\frac{3}{8}$ " 54.5# @ 406' w/ 500 sx

8 $\frac{5}{8}$ " TOC @ surface

8 $\frac{5}{8}$ " 24 & 32# @ 4170' w/ 1600 sx

5 $\frac{1}{2}$ " TOC above DV @ 3600' (calc)

DV tool @ 8215'

5 $\frac{1}{2}$ " TOC @ 8800'

Penn "A" perfs: 9902'-10'

Penn "C" perfs: 10,200'-36'

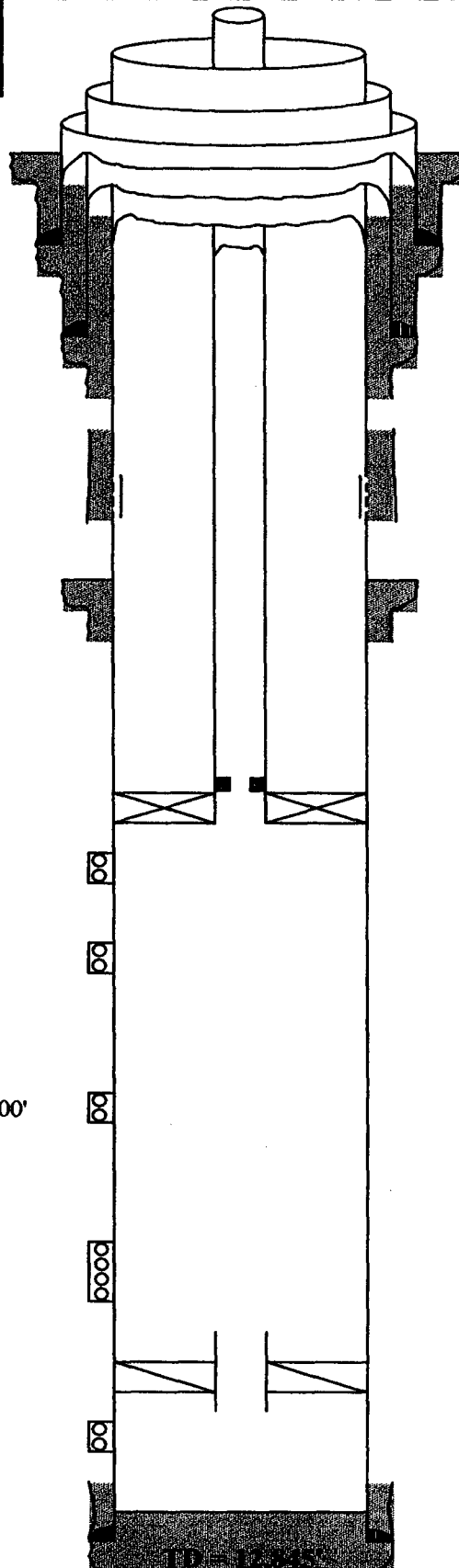
Lower Penn (Strawn) perfs: 11,074'-100'

Devonian perfs: 12613'-25', 32'-58',  
2 spf, 78 holes

Devonian perfs: 12798'-808,  
2 spf, 21 holes

PBTD = 12,832'

5 $\frac{1}{2}$ " @ 12,845' w/ 2445 sx



2 $\frac{7}{8}$ " 6.5# N-80 IPC tubing

Lok-Set pkr @ 9850'  $\pm$

FISH: 1jt 2 $\frac{7}{8}$ " and TAC @ 12,715'

TD = 12,845'

(Graphics are not to scale)

Date: 10/16/03  
County: Lea State: NM  
API#: 30-025-01831  
Elev.: 4,160' DF: 4149 csg head



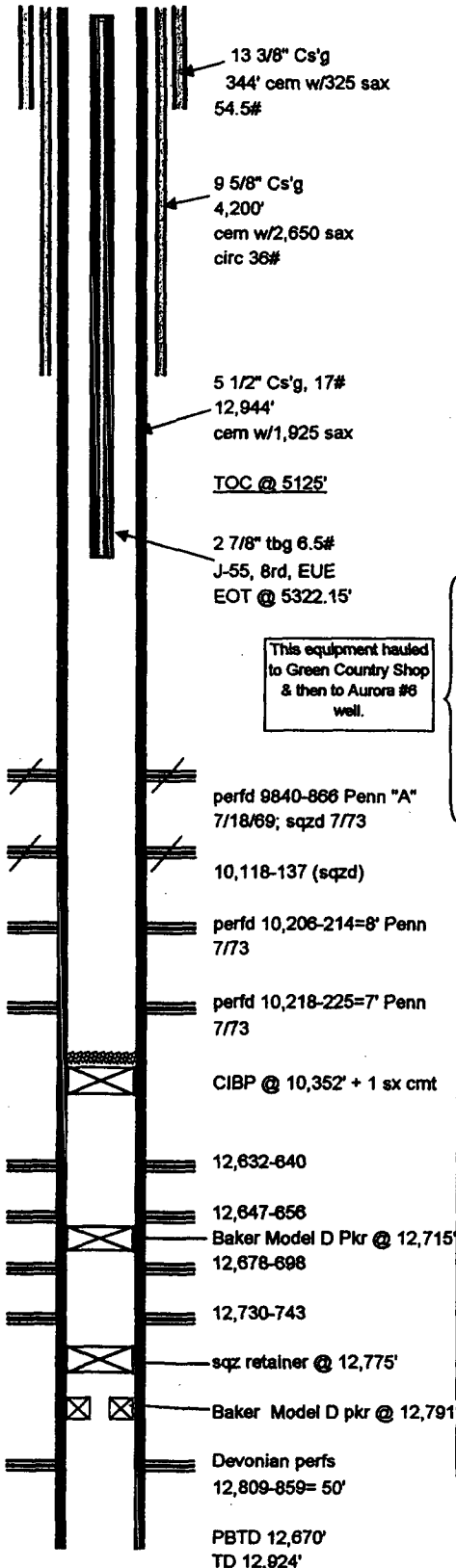
**Schematic Prepared By:**

# Wellbore Data Schematic

(Graphics are not to scale)

Company: Pride Energy Company  
 Lease: South Four Lakes Unit #2  
 Location: Sec 2-12S-34E  
1980' FNL & 1,980' FEL of sec.

Date: 10/16/03  
 County: Lea State: NM  
 API#: 30-025-01832  
 Elev 4,156' GL



## Tubing Data

Description	Length	Top	Bottom
150 Jts 2 7/8" J-55 tbg EUE 8rd	5006.27'		5006.27'
Drain Valve	0.60'		5006.87'
2 Jts 2 7/8" J-55 tbg EUE 8rd	66.64'		5073.51'
Check Valve	0.60'		5074.11'
2 Jts 2 7/8" J-55 tbg EUE 8rd	66.64'		5140.75'
4 - Pumps - series: 400	62.6'		5203.35'
67+67+67+58 HSS = 259 stages			
Type: GCPA-175			
1 - Gas separator, TC Bushings HSS	3.3'		5206.65'
Series: 400			
2 - Seals, Series: 400	5.7'		5212.35'
Type: 66L HL UT & LT HSS			
4 - Motors: Series: 456	109.8'		5322.15'
HP: 100 each = 400 HP			
Volts: 790 ea, Amps: 80 UT, CT, CT, LT ea			

Total length of String (No Elevation) → 5322.15'

## Rod & Pump Data

Description	QTY	Length	Footage
120 HP motor (used)	1	23.40'	
voltage 1250			
Amerage 62			
motor series 450			
motor model FME (Centriflitt)			
pump stages: 234			
pump type: FC 1800	1	23.5'	
gas separator (FRSX)	1	2.67'	
seal section (FSC=model #)	1	5.6'	
motor controller: 60 HZ			
lifting sub	1	4.00'	
total		59.17'	

Total Rod / Pump Length →

## Calculated Data (With Elevation)

TAC Depth @	N/A	Avg Jt Length	33.38'
Seat Nipple @		Pump Intake	5230'
Gas Anchor Length			
Jts Between Surface / TAC		Pump API Code	
Submersible Pump Co.	Green County Sub Pmp (Brandon English)		
	1-866-449-3330; 405-919-1059 (m)		

## Additional Notes:

See Next Page

160 acres gas dedication for Devonian in 1959.

Schematic Prepared By:  
 Pride Energy Company(John Pride)

### Current Completion

KB: 4157.0'

DF: 4156.0'

GL: 4144.0'

Datum: 13.0' above GL

### South Four Lakes Unit # 4

Steve Gillett 6/8/04

API # 30-025-01827

660' FSL & 1980' FEL

Sec 35-T11S-R34E

Lea Co, New Mexico

13 3/8" TOC @ surface

13 3/8" 48# H-40 STC @394'

w/ 732 sx in 17 1/2" hole

9 5/8" TOC @ surface

9 5/8" 36# J-55 STC @ 4218'

w/ 2500 sx in 12 1/4" hole

7" TOC @ surface

San Andres perms 4780'-90',  
1 spf, 10 holes, SQZ'd

Penn "A" perms 9884'-9900', 2 spf  
SQZ'D w/ xx sx, re-shot 9884'-94'

Penn "C" perms 9933,35,45,49,  
51,54', 6 holes SQZ'd

Penn "E" perms 10,220'-30',  
3 spf, 30 holes

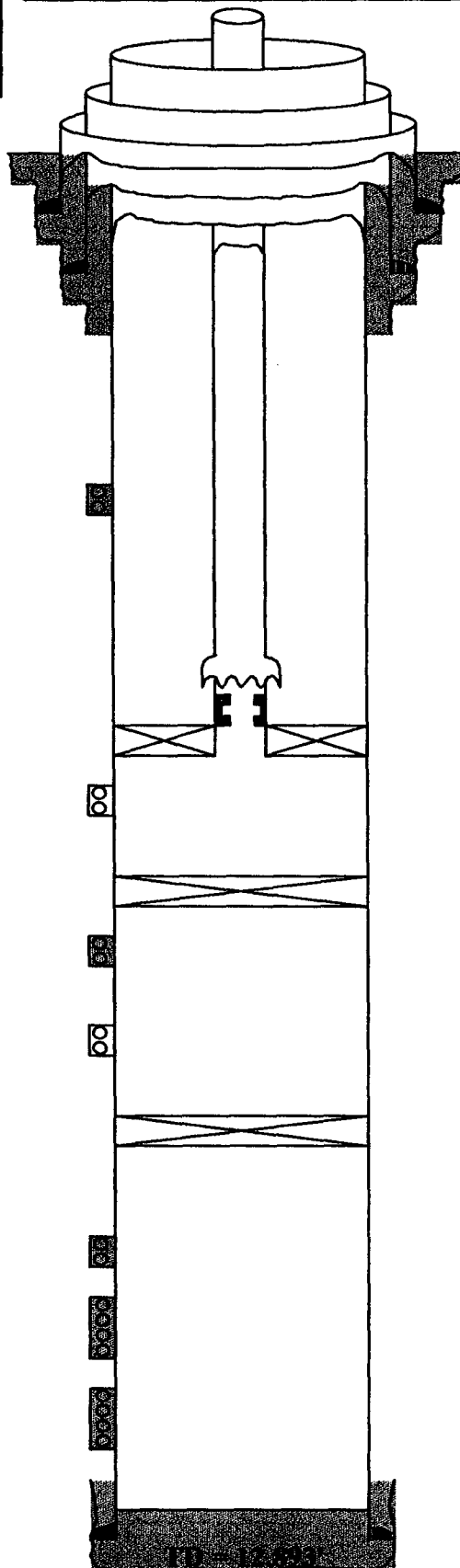
Devonian Perfs: 12,715',21',25',33',  
37',41',43',45',47',49',51',55',  
59', 13 holes, SQZ'd

Devonian Perfs: 12,710'-60', 80'-800'  
12,830'-36', 42'-75', SQZ'd

Devonian Perfs: 12,857'-92',  
4 spf, 140 holes, SQZ'd

PBTD = 12,825'

7" LTC @ 12,893' w/ 2000 sx  
in 8 3/4" hole



2 3/4" 6.5# N-80 tbg

on/off tool above packer  
Baker Lok-Set or equiv pkr  
@ 10,150'±

CIBP @ 10,500'±

#### Casing Detail:

29# P-110 surf -

26# DW-110

29# N-80

26# N-80

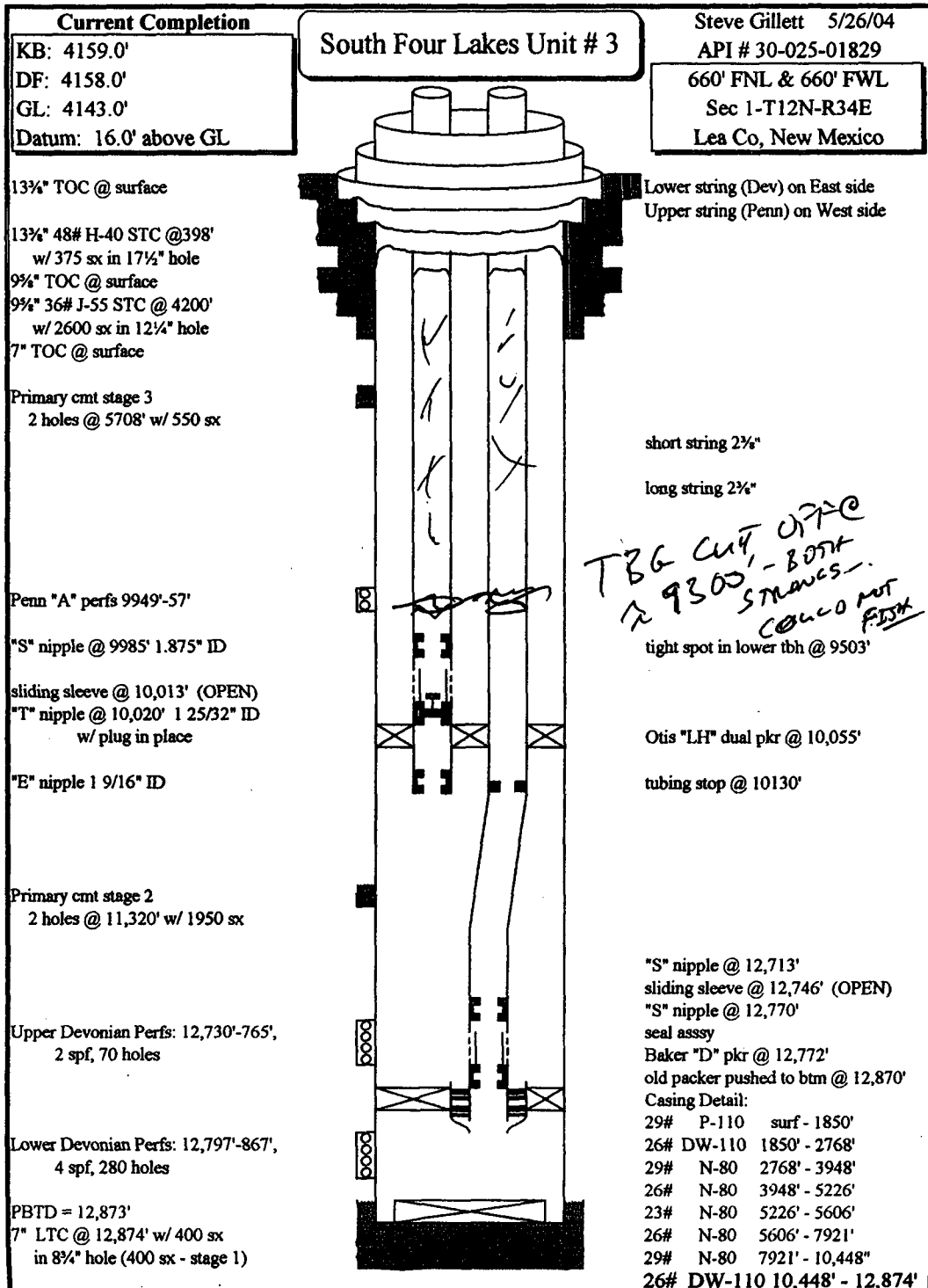
23# N-80

26# N-80

29# N-80

26# DW-110 - 12,893'

ATTENDED TO PULL  
FBH IN HOLE





**(Graphics are not to scale)**

Date: 10/15/03  
County: Lea State: NM  
API#: 30-025  
Elev 4,160' DF



**Total length of String (No Elevation)**

Total Rod / Pump Length

**Additional Notes:**

**See attached**

(See attached sheet for DST's & cores & Log tops)

Phone: (918) 524-9200 Fax: (918) 524-9292 E-Mail: [johnp@pride-energy.com](mailto:johnp@pride-energy.com)

### Current Completion

KB: 4162.0'

DF: 4161.0'

GL: 4148.0'

Datum: 14.0' above GL

### South Four Lakes Unit # 7

Steve Gillett 8/11/04

API # 30-025-01828

1980' FSL & 660' FEL

Sec 35-T11S-R34E

Lea Co, New Mexico

13 $\frac{3}{8}$ " TOC @ surface

13 $\frac{3}{8}$ " 48# H-40 @ 405'  
w/ 375 sx in 17 $\frac{1}{2}$ " hole

8 $\frac{5}{8}$ " stub @ 1125'

8 $\frac{5}{8}$ " TOC @ 2450'

8 $\frac{5}{8}$ " 24# J-55 @ 4220'  
w/ 600 sx in 11" hole

4 $\frac{1}{2}$ " stub @ 4265'

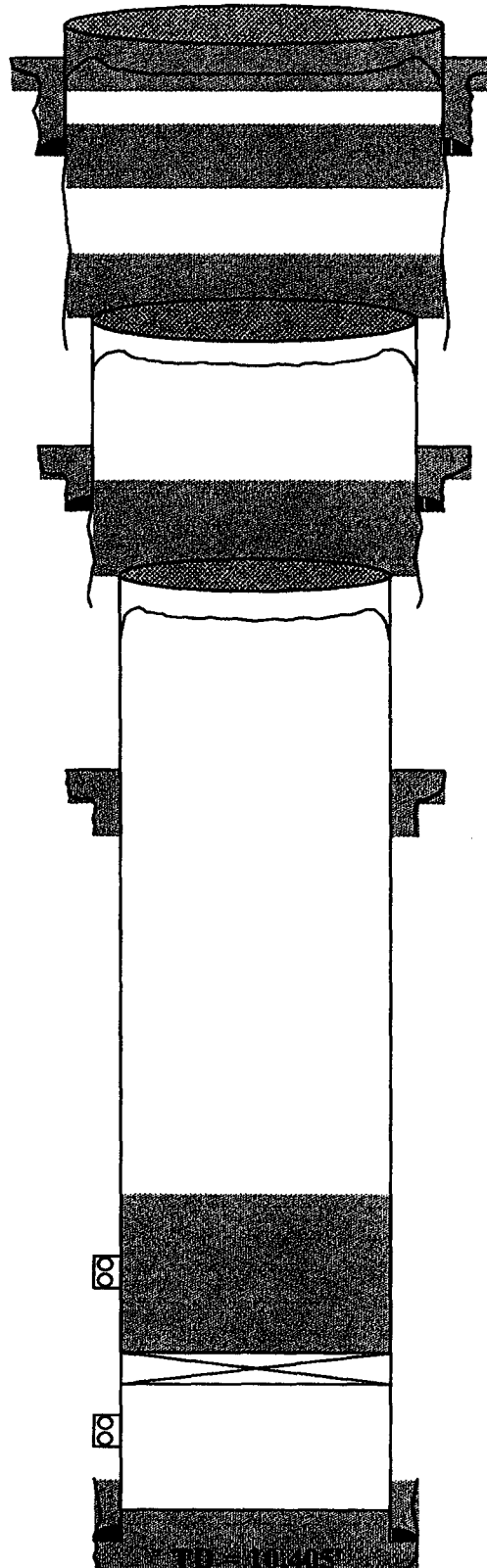
4 $\frac{1}{2}$ " TOC @ 8650'

Penn "A" perfs 9949'-57'

Penn "C" perfs 10265'-80'

PBTD = '

4 $\frac{1}{2}$ " 11.6# J-55 & N-80



PLUG #5: 15 sx (20') @ surface

PLUG #4: 70 sx 450' - 350'

PLUG #3: 30 sx 1125' - 1075'

PLUG #1: 20 sx 10,053' - 9750'

Ret BP @ 10,053'

### Current Completion

KB: 4167.6'  
DF: 4166.6'  
GL: 4149.6'  
Datum: 18.0' above GL

### South Four Lakes Unit #9

Steve Gillett 8/12/04

API # 30-025-31188

1980' FSL & 1980' FEL

Sec 35-T11S-R34E

Lea Co, NM

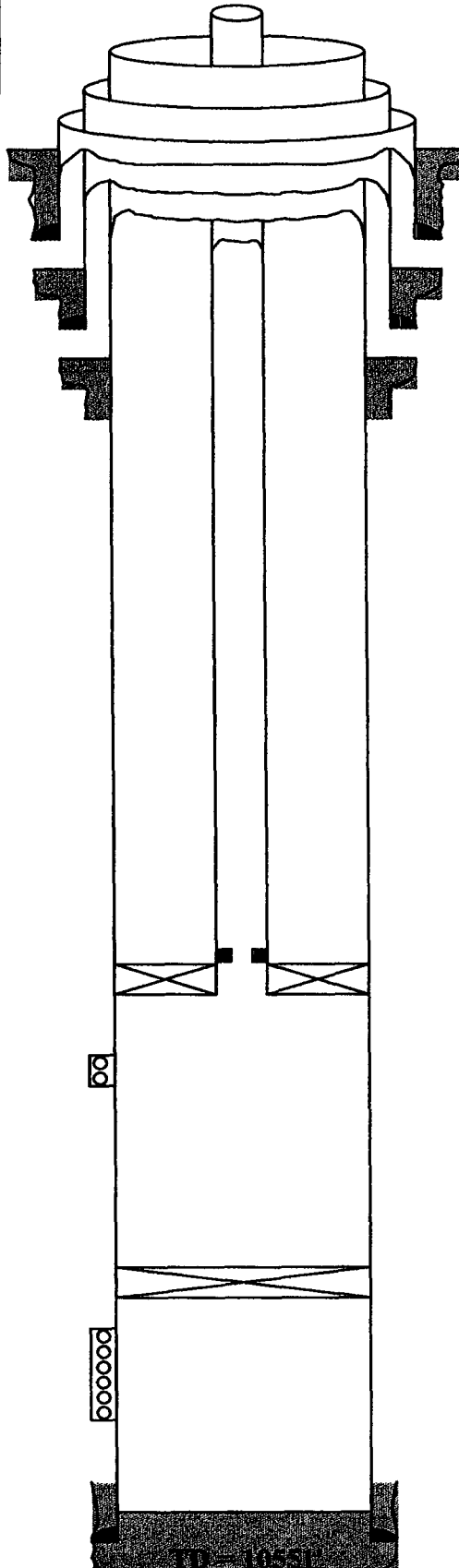
13 3/8" TOC @ ?

13 3/8" 54.5# J-55 ST&C @ 415'  
w/ 700 sx

8 5/8" TOC @ ?

8 5/8" 32# & 24# J-55 ST&C  
@ 4200' w/ 1250 sx

TOC @ 5250' (DV tool at xx')



2 7/8" 6.5# N-80

Penn "A" Perfs: 9929'-34',  
2 spf, 20 holes

CIBP @ 10,200'

Penn "C" Perfs: 10231'-49, 58'-64',  
10277'-10303', 2 spf, 103 holes

PBTD = 10526'

5 1/2" 15.5# & 17# @ 10551'  
w/ 1320 sx

TD = 10551'

### Current Completion

KB: 4157.5'

DF: 4156.5'

GL: 4142.0'

Datum: 15.5' above GL

### South Four Lakes Unit #13

Steve Gillett 7/12/04

API # 30-025-36528

1830' FSL & 735' FWL

Sec 1-T12N-R34W

Lea Co, NM

TOC @ surface

13 $\frac{3}{4}$ " 48# H-40 340'

w/ 300 sx in 17 $\frac{1}{2}$ " hole

TOC @ surface

9 $\frac{5}{8}$ " 36# & 40# J-55 LTC 4156'

w/ xx sx in 12 $\frac{1}{4}$ " hole

TOC @ 4090' by CBL

8 $\frac{3}{4}$ " hole to 8869'

8800'-9200' cmt plug for whipstock  
out of original hole.

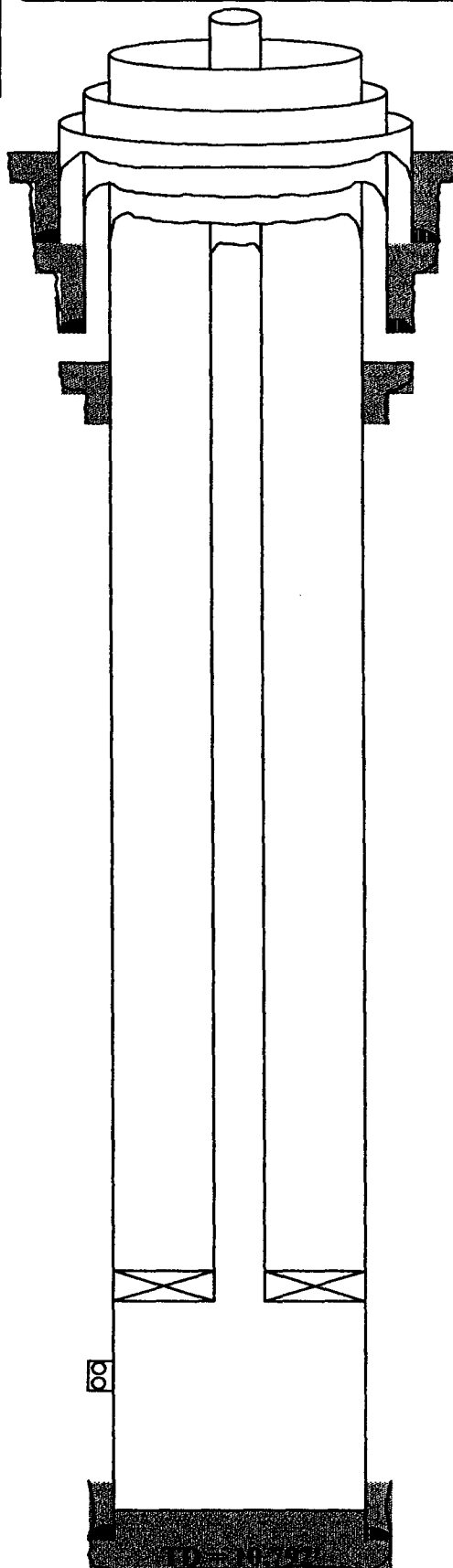
7 $\frac{7}{8}$ " hole 8869' - TD

Canyon "B" perms 10,680'-92',

PBTD = 10,714'

5 $\frac{1}{2}$ " 17# P-110 LTC @ 10792'

w/ 1955 sx



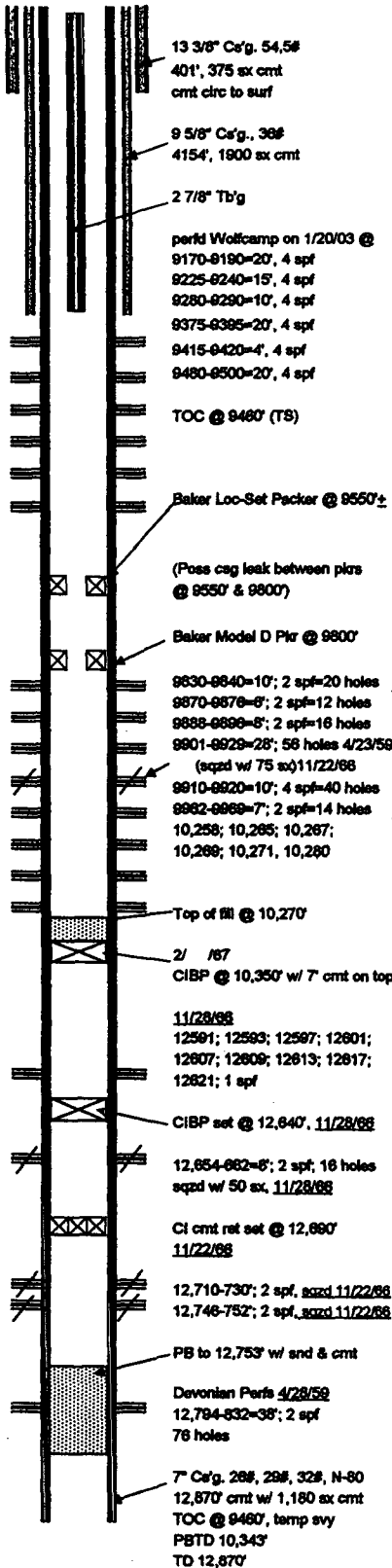
Original 8 $\frac{3}{4}$ " wellbore was deemed  
to have crossed a fault. The hole  
was plugged back @ 8800' w/ a 400'  
cmt plug and kicked off to the East at  
8869' w/ a 7 $\frac{7}{8}$ " hole.

# Wellbore Data Schematic

(Graphics are not to scale)

Company: Pride Energy Company  
 Lease: South Four Lakes Unit #6 SWD  
 Location: Sec 2-12S-34E  
1980' FSL & 680' FEL of Sec.

Date: 10/15/03  
 County: Lea State: NM  
 API#: 30-025-01834  
 Elev 4155' DF; 4159' RKB



## Tubing Data

Description	Length	Top	Bottom
2 7/8" tb'g			

Total length of String (No Elevation) →

## Rod & Pump Data

Description	QTY	Length	Footage
None			

Total Rod / Pump Length →

## Calculated Data (With Elevation)

TAC Depth @	Avg Jt Length	
Seat Nipple @	Pump Intake	
Gas Anchor Length		
Jts Between Surface / TAC	Pump API Code	
Pump Co.		

Penn Injection Interval  
 Total 46' net; Total 112 holes

## Additional Notes:

See Next Page

THIS  
 DATA SHEET  
 IS INCOMPLETE  
 &  
 INCORRECT.  
 I will update &  
 SEND TOMORROW  
 SAG  
 4/12/04

Schematic Prepared By:

Pride Energy Company(John Pride)

Phone: (918) 524-9200 Fax: (918) 524-9292 E-Mail: johnp@pride-energy.com

# Wellbore Data Schematic

(Graphics are not to scale)

Company: Pride Energy Company

Lease: State #1-M

Location: CSW 1/4 SW 1/4 (660' x 660')

(M) Sec 1, T 12S, R 34E

Date: 7/15/03

County: Lea

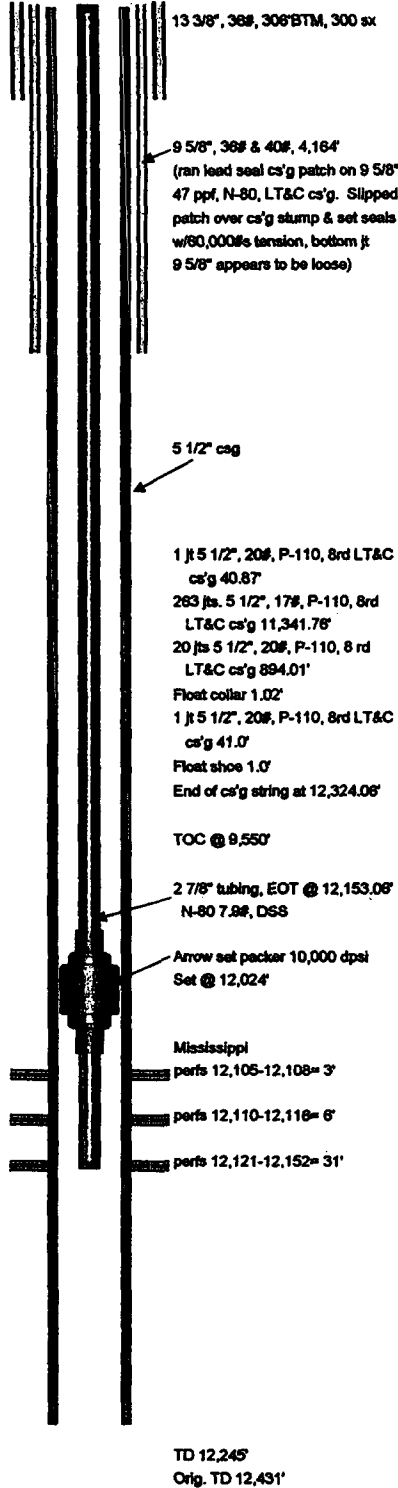
API#: 30-025-20689

K.B. 24.0' G.L.

State: NM

Dist from G.L. to orig. K.B. 24.0'

0 24'



## Tubing Data

Description	Length	Top	Bottom
1 jt 2 7/8" 6.5# N-80	31.72	24	55.72
Tb'g Subs 2 7/8", 6.5#, N-80, EUE, 8 rd	7.89	55.72	63.61
375 jts 2 7/8", 7.9#, DSS	11,924.86	63.61	11,988.47
1 jt 2 7/8", 7.9#, DSS w/ ra marker	33.13	11,988.47	12,021.60
2 7/8", 8rd, pin x 2 7/8" DSS box crossover	0.82	12,021.60	12,022.42
On-off tool w/ F" nipple & 2.25" no-go	1.65	12,022.42	12,024.07
Arrow set 10,000 dpsi packer	8.89	12,024.07	12,030.96
1 jt 2 7/8", 7.9 ppt, DSS thread tb'g	33.34	12,030.96	12,064.30
Vent	1.32	12,064.30	12,065.62
Tb'g release	1.59	12,065.62	12,067.21
1 jt 2 7/8", 7.9#, DSS	33.39	12,067.21	12,100.60
Cross-over	0.44	12,100.60	12,101.04
Firing head	4.19	12,101.04	12,105.23
Perforating Gun	47.0	12,105.23	12,152.23
Bull Plug	0.83	12,152.23	12,153.06

Total length of String (No Elevation)

12,153.06'

## Rod & Pump Data

Description	QTY	Length	Footage
N/A			

Total Rod / Pump Length

## Calculated Data (With Elevation)

TAC Depth @ None	Avg Jt Length	31.8
Seat Nipple @	Pump Intake	None
Gas Anchor Length		
Jts Between Surface/TAC None	Pump API Code	
Pump Co. None		

## Additional Notes:

8 3/4" Hole Size down to 12,431 TD

Wash down and drill out plugs as follows:

25 sx @ 11,030', 25 sx @ 9,920', 25 sx @ 9,205', 25 sx @ 7,030',

25 sx @ 5,595', 25 sx @ base of 9 5/8" csg @ 4,175',

25 sx @ stub of 9 5/8" csg @ 1,050', 25 sx @ base of surface csg

13 3/8" @ 306', 10 sx plug @ surf w/ standard marker, intervals between  
plugs filled w/ heavy drilling mud

Objective: Wash down wellbore & perf. Mississippi

3/31/01: Perf'd Miss. 12,105-108; 12,110-118; 12,121-152= total 40' w/ 5 spf, total  
of 188 holes. Immediate blow w/ gas to surf in 4 1/2 mins at 200 MCFPD rate & building

4/2/01: 3,100 psi SITP, flowed at rate of 1,300 MCFPD 48/64" chk, 80 psi FTP for  
3 hrs. rec'd 8 BC & 0 BW or mud.

7/18/01: 1st gas sales: 562 MCF in 15hrs= 899 MCFPD, 7 BO=11 BOPD 0 BW  
FTP 820 LP 778

7/28/01: 538 MCFPD, 0 BOPD, 10 BW, 18/64 chk, FTP 670, LP 680, riding line press

8/9/01: 450 to 475 MCFPD, 2 to 5 BOPD, 0 BWPD, FTP riding LP at 650 to 725 psi  
(have not acidized yet, plan to next week w/ 2,500 Gals. Of 15% HCL acid w/ a  
little iron control.

1/24/03: Ran BHP, flowing Gradient test, showed BHP = 1874 psi at 12,129' w/  
scattered fluid fr surf dn, getting more dense fr 7304' on dn, curr setting compressor

Perhaps it will help unload well, as well as prod more gas.

7/16/03: BEHIND PIPE POTENTIAL PAY ZONES:

Formation	Interval	Porosity	Comments
Atoka Morrow	11,585-594=6'	6%	Good Cross-Over, Sandy,
	11,827-830=3'	12%	Sandy, Res good, 100
	11,878-881=3'	10%	Sandy, Res good, 150
Penn	10,820-828=6'	11%	100 ohms
	10,734-744=10'	14-15%	30 ohms
	10,714-718=4'	8%	80 ohms
	10,632-642=10'	12% mud cake	10,20,30 ohms
	10,534-535=1'	lit?	
	10,398-402=4'		
	10,368-368=2'		
	10,023-045=22'		

Schematic Prepared By:

John Pride

Phone: (918) 524-9200 Fax: (918) 524-9292 E-mail: johnp@pride-energy.com

OPERATOR	Exxon Corp		DATE	1973 PA
LEASE	South four Lakes	WELL No	5	LOCATION C. S. 2 T12 R 34
		440/N		1980/W

Surface plug

13 3/8 " casing set at 375 ' with 400 sx of C cement  
Hole size 17 1/4 " Cin

Shoe plug  
40 sv plug

9 5/8 " casing set at 4200 ' with 2400 sx of C cement  
Hole size 12 1/4 " Cin

3 1/2 stub 5125 40 sv plug

plug at 9899

5 1/2 " casing set at 10456 ' with 350 sx of C cement  
Total depth 13020 ' Hole size 7 " Toc 8205

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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.	<b>E-2064</b>

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

### Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☒  
CHANGE PLANS ☐

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

OTHER ☐

### 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 17DS.

1. HYDRO TEST TUBING OUT TO DISCARD BAD JOINTS.
2. RUN TBG. BACK OPEN ENDED AND PLACE 20 SK CLASS H CEMENT PLUG FROM 9825-9945. PUMP ALL PLUGS DOWN WITH PRODUCED WATER CONTAINING 25 SK GELL/100BBLs. PULL TBG.
3. ESTABLISH FREE POINT AND CUT OFF 5 1/2" CSG. ABOVE THE CEMENT AT ABOUT 8205'. PULL CSG.
4. RUN TBG AND PLACE PLUGS AS FOLLOWS  
40 SK ACROSS THE 5 1/2" CSG. CUT  
40 SK 5400-5500 ABOVE SAN ANGELO  
40 SK 4165-4265 ACROSS 9 5/8" CSG. SEAT AND BELOW SAN ANDRES  
10 SK SURFACE
5. 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 <b>[Signature]</b>	TITLE <b>UNIT HEAD</b>	DATE <b>11-27-72</b>
APPROVED BY <b>[Signature]</b>	TITLE	DATE <b>NOV 29 1972</b>
CONDITIONS OF APPROVAL, IF ANY:		



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SANTA FE	
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 ☒ 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 <b>EXXON CORPORATION</b>	8. Farm or Lease Name <b>SOUTH FOUR LAKES</b>
3. Address of Operator <b>P.O. Box 1600, MIDLAND, TEXAS 79701</b>	9. Well No. <b>5</b>
4. Location of Well UNIT LETTER <b>C</b> <b>660</b> FEET FROM THE <b>NORTH</b> LINE AND <b>1980</b> FEET FROM THE <b>WEST</b> LINE, SECTION <b>2</b> TOWNSHIP <b>12-S</b> RANGE <b>34-E</b> NMPM.	10. Field and Pool, or Wildcat <b>FOUR LAKES PEN</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>4160 DF</b>	12. County <b>LEA</b>

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 project) SEE RULE 1703.

SET DR PLUG IN BAKER MODEL D PKR AT 9895 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 4263  
AND SHOT 40 SX PLUG. REMOVED BOP, MIXED 10 SX  
SURFACE PLUG, INSTALLED WELL MARKER AND CLEARED 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. T.* TITLE **UNIT HEAD** DATE **1-29-73**  
APPROVED BY *John W. Runyan* TITLE *John W. Runyan* DATE **NOV 1 1973**  
CONDITION OF APPROVAL, IF ANY:

OPERATOR	Humble oil & Refining Co	DATE	1944 P+H
LEASE	NM state 'O'	WELL No	1
		LOCATION	NE $\frac{1}{4}$ of NW $\frac{1}{4}$ S+1 T12 R34

Surface Plug

Hole lined w/ Mud

10  $\frac{3}{4}$  " casing set at 303 ' with 165 sx of Inor cemen  
Hole size 12  $\frac{1}{4}$  " Cement Circ

Plug

7  $\frac{5}{8}$  " casing set at 3100 ' with 750 sx of C ceme  
Total Depth 5500 ' Hole size 9  $\frac{7}{8}$  " Circ

Mud

- Plug 4994 - 4700

- TD 5500

DUPLICATE

## OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

RECEIVED  
AUG 29 1944  
NEW MEXICO

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Midland, Texas,

August 28, 1944

Place

Date

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_

**Humble Oil & Refining Company** **N. M. State "0"** Well No. **1** in the \_\_\_\_\_

Company or Operator

**NE/4 of NW/4** of Sec. **1**, T. **13-S**, R. **34-E**, N. M. P. M.,

**N/W Tatum Wildcat** Field, **Lea** County.

The dates of this work were as follows: **August 26, 1944**

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on **August 26** 19 **44**

and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Plugged hole with cement from 4994' to 4700' with 100 sacks trinity Portland cement. Plugged hole from 4700' to 4300' with mud-laden fluid. Plugged hole from 3300' to 3250' with 255' sacks Portland cement. Filled hole with mud-laden fluid from 3250' to top of casing. Cemented from 10' to surface with 5 sacks trinity Portland cement with regulation marker.

Witnessed by \_\_\_\_\_  
Name Company Title

Subscribed and sworn before me this \_\_\_\_\_

I hereby swear or affirm that the information given above is true and correct.

**28th** day of **August**, 19 **44**

Name **Willie Mae Ferguson**

Position **Division Superintendent**

Representing **Humble Oil & Refining Company**

Company or Operator

Address **Box 1600, Midland, Texas**

My commission expires **6-1-45**

**Willie Mae Ferguson**  
Notary Public

Remarks:

**Ray Yarbrough**  
Name  
Oil & Gas Inspector  
Title

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO DEEPEN WELL			

Midland, Texas

Place

August 26, 1944

Date

OIL CONSERVATION COMMISSION,

Hobbs, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Humble Oil & Refining Company, M. M. State "G" Well No. 1 in NE/4 of NW/4  
 Company or Operator Lease

of Sec. 1, T. 12-S, R. 34-E, N. M. P. M., N/W Tatum Wildcat Field,  
Lea County.

## FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Cement hole from bottom or 4994 feet to 4700 feet. Fill hole with heavy mud laden fluid from 4700 feet to 3300 feet. Cement hole from 3300' to 3250'. Fill hole with heavy mud laden fluid from 3250 feet to surface, placing cement plug in top of 7-5/8 inch casing. No attempt to be made to recover surface casing or 7-5/8 inch casing which was set at 3300 feet.

Approved AUG 28 1944, 19\_\_\_\_  
 except as follows:

"APPROVED" IS CONDITIONED UPON  
 COMPLIANCE WITH REQUIREMENTS  
 OF OPC-WPB."

OIL CONSERVATION COMMISSION,  
 By Roy Gardner  
 Title OIL & GAS INSPECTOR

Humble Oil & Refining Company  
 Company or Operator

By [Signature]  
 Position Division Superintendent  
 Send communications regarding well to

Name Humble Oil & Refining Company  
 Address P. O. Box 1600, Midland, Texas

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 E. E. ALWORTH POSITION OR TITLE Agent

Township:  Range:  Sections:   
 NAD27 X:  Y:  Zone:  Search Radius:   
 County:  Basin:  Number:  Suffix:   
 Owner Name: (First)  (Last)  ☐ Non-Domestic ☐ Domestic ☒ All

WELL / SURFACE DATA REPORT 10/11/2002

DB File Nbr	Use	(acre ft per annum)	Diversion	Owner
<u>L 03005</u>	PRO	3		EXXON CORP.
<u>L 03005 (1)</u>	PRO			EXXON CORP.

Record Count: 2

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are biggest to smallest)

Well Number	Source	Tws	Rng	Sec	Q
<u>L 03005</u>		12S	34E	02	2
<u>L 03005 (1)</u>		12S	34E	02	2



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-CFB	-	-

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	-	-

*Amey Hill*  
Chemist

*10-15-02*  
Date

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. No claim 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.

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

August 19, 2004

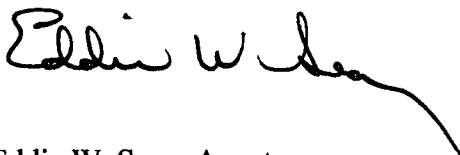
RE: South Four Lakes #8  
Unit A, Sect. 2, Tws. 12 S., Rng. 34 E.

Dear Sirs:

In accordance with the rules and regulation 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,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping underline that extends to the right.

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



## **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

Bogle Lld. Co.  
Four Lakes Ranch  
Box 460  
Dexter, NM 88230

7003 1010 0002 2628 2099

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
TEMPLE, TX 76504	
Postage	\$ 1.52
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.57
UNIT ID: 0660	
Postmark AUG 23 2004	
Clerk: USPCNS	
08/23/04	
Sent To State Land Office	
Street, Apt. No. or PO Box No. Box 1148	
City, State, ZIP+4 Santa Fe, NM 76504-1148	
PS Form 3800, June 2002 See Reverse for Instructions	

7004 0750 0003 4821 8290

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
TULSA, OK 74170	
Postage	\$ 1.52
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.57
UNIT ID: 0660	
Postmark AUG 23 2004	
Clerk: USPCNS	
08/23/04	
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, June 2002 See Reverse for Instructions	

7003 1010 0002 2628 2075

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
DEXTER, NM 88230	
Postage	\$ 1.52
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.57
UNIT ID: 0660	
Postmark AUG 23 2004	
Clerk: USPCNS	
08/23/04	
Sent To Bogle Ltd. Co.	
Street, Apt. No. or PO Box No. Four Lakes Ranch	
City, State, ZIP+4 Box 460	
PS Form 3800, June 2002 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 #8, located in Unit Letter A, 660/N ~~7980~~ 7980/E, in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Penn and Devonian from 9900' to 12800'. The expected maximum rate of injection will be approximately 5000 to 10,000 bls. per day and the expected maximum injection pressure will be 2500 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.

# 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 August 20, 2004 and ending with the issue of August 20, 2004.

And that the cost of publishing said notice is the sum of \$ 18.68 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 20th day of August 2004.

Debbie Schilling

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 #8, located in Unit Letter A, 660/N 1980/E, in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Penn and Devonian from 9900' to 12800'. The expected maximum rate of injection will be approximately 5000 to 10,000 bbls. per day and the expected maximum injection pressure will be 2500 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.

Published in the  
Lovington Daily Leader  
August 20, 2004.

30-025-29533	SOUTH FOUR LAKES UNIT	PRIDE ENERGY COMPANY	660 N	NS CD	FTG NS	990 E	EW CD	A	2	12S	Tsp	Rgc	30-025-29533	OGRID CDE	UL2	TVD DEPTH
API	WELL NAME	OPERATOR				FTG BW		OCD UL					Dist			
30-025-01831	SOUTH FOUR LAKES UNIT	PRIDE ENERGY COMPANY	660 N			1980 E		B	2	12S	34E	34E	990	151323.1		13000
30-025-01829	SOUTH FOUR LAKES UNIT	PRIDE ENERGY COMPANY	660 N			660 W		D	1	12S	34E	34E	1,650	151323.2		12722
30-025-01832	SOUTH FOUR LAKES UNIT	PRIDE ENERGY COMPANY	1980 N			1980 E		G	2	12S	34E	34E	1,650	151323.4		12874
30-025-01837	PRE-ONGARD WELL #004	PRE-ONGARD WELL	660 S			1980 E		O	35	11S	34E	34E	1,650	214263.0		12924
30-025-01833	PRE-ONGARD WELL #005	PRE-ONGARD WELL	660 N			1980 W		C	2	12S	34E	34E	2,310	214263.5		13893
S	G	1986-01-16	DEVONIAN			ACTIVE	160.00		1				199709			13010
LAND TYPE	WELL TYPE	SPUD DATE	PLUG DATE	FORMATION AND NOTES	STATUS	ACRES	NBR COMPS	Formation	2004 PRODUCING POOL	POOL	LAST PROD	DAYS PROD 2004	GAS PROD 2004	OIL PROD 2004		
S	O	1955-11-05			ACTIVE	80.00	1					198308	0	0	0	0
S	G				ACTIVE	240.10	2					198708	0	0	0	0
S	O	1956-05-17		PENN BRUCE A WILBANKS /SO	ACTIVE	80.00	1	Pennsylvanian	FOUR LAKES, PENN	25460		200405	152	4066	9170	
S	O	1900-01-01	1900-01-01	FOUR LAKES UNIT EXXON CORP /SOUTH	ZONE ABAN											
S	O	1900-01-01	1900-01-01	FOUR LAKES UNIT	ZONE ABAN											

WATER PROD 2004	GAS PROD 2003	OIL PROD 2003	WATER PROD 2003	GAS PROD 2002	OIL PROD 2002	WATER PROD 2002	PROPERTY	WATER INJ 2004	WATER INJ 2003	WATER INJ 2002
0	0	0	0	0	0	0	24592	0	0	0
0	0	0	0	0	0	0	24592	0	0	0
0	0	0	0	0	0	0	24592	0	0	0
280531	12983	7667	463852	16111	9015	486707	24592	0	0	0
							30041			
							30041			