

DATE IN 5/19/03	SURFENSE 6/3/03	ENGINEER WT	LOGGED IN RW	TYPE SWD	OFF NO. PKRV0314031572
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECKLIST

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 _____

MAY 19 2003

[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

Eddie W. Seay
 Signature

Agent

Title

Date

seay04@leaco.net

e-mail Address

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: _____
- 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: 5/8/2003
- * If the information required under Sections VI, VII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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, 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

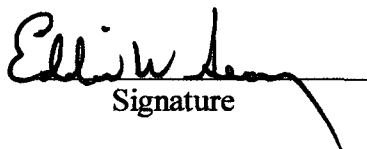
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

ATTACHMENT TO APPLICATION C-108

Pride Energy Company
South Four Lake Unit #1
Unit B, Sect. 2, T. 12 S., R. 34 E.
Lea Co., NM

(30-025-01831)

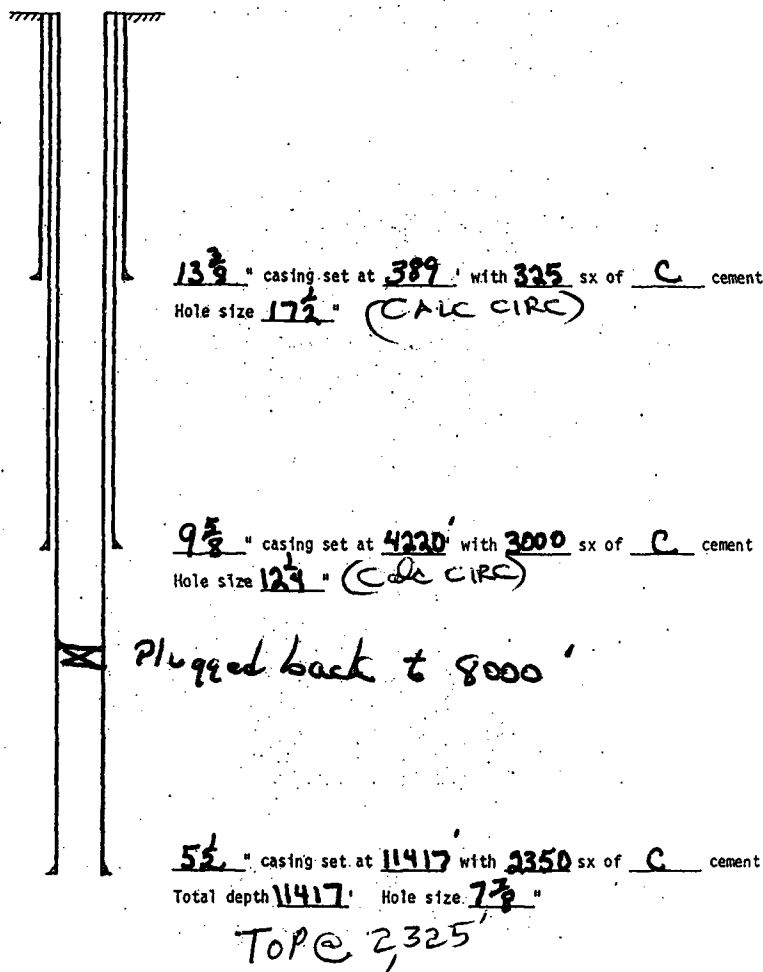
- III. Well data information sheets attached.
- IV. No.
- V. Map attached.
- VI. List of wells and data attached.
- VII. Proposed Operation
 - (1) Average daily injection volume is 2000 bls. per day.
 - (2) Closed system.
 - (3) The average injection pressure is 500 psig with a maximum injection pressure of 1000 psig. or as 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 Glorietta, from 5600' to 6897'.
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

5/8/2003
Date

XIII. Proof of Notices attached.

XIV. Signed Application.

INJECTION WELL DATA SHEETOPERATOR: Pride Energy CompanyWELL NAME & NUMBER: South Four Lakes Unit #1WELL LOCATION: L60/N 1980/E
FOOTAGE LOCATIONB
UNIT LETTER2
SECTION12
TOWNSHIP34
RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2 Casing Size: 13 3/8Cemented with: 325 sx. or _____ ft³Top of Cement: Circ, Surf Method Determined: Circ ✓Intermediate CasingHole Size: 12 1/4 Casing Size: 9 5/8Cemented with: 3000 sx. or _____ ft³Top of Cement: Surface Method Determined: Circ ✓Production CasingHole Size: 7 7/8 Casing Size: 5 1/2Cemented with: 2350 sx. or _____ ft³Top of Cement: 2325 Method Determined: TSTotal Depth: 11417Injection Interval5800 feet to 6897

(Perforated) or Open Hole; indicate which)

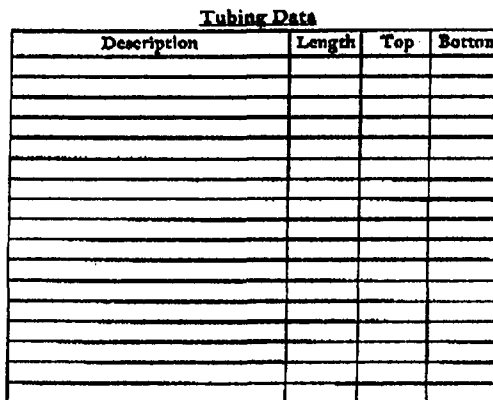
Tubing Size: 2 7/8 Lining Material: Plastic Coated
Type of Packer: Baker Model R or Loc Set
Packer Setting Depth: 5750
Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

- Is this a new well drilled for injection? _____ Yes X No
If no, for what purpose was the well originally drilled? Producing oil well
- Name of the Injection Formation: Glorietta
- Name of Field or Pool (if applicable): South Four Lakes
- 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
see well bore schematic well TH now with CIBP @ 8000
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
the San Andres is above at 4114
the Tubb is below at 6986

(Graphics are not to scale)

Date: 4/22/03
County: Lea State: NM
API#: 30-025-01831
Elev.: 4,160' DF: 4149 csg head



Total length of String (No Elevation)

[illegible]

Total Rod / Pump Length

Calculated Data (With Elevation)		
TAC Depth @	_____	Avg Jt Length _____
Best Nipple @	_____	Pump Intake _____
Gas Anchor Length	_____	
Jts Between Surface / TAC	_____	Pump API Code _____
Pump Co.	_____	

Additional Notes

5/9/88: Compl IP 304 BOPD, 1264' chk, 1,275# TP
CISCO perfs 10,227-257= 30'
11/19/81: Perfs @ 9888-900, IP 206 b/d, 225 m/d, GOR 1091
(before w/o on 5/20/81, prod 96 b/d, 439 m/d
1/88: Installed pmpp unit
7/17/74: Bend form ipd 700 m/d CACOF, FTP 807W
8/8/81: perfd 9888-900, 12 shots tsd 6 bo, 512 b/w/d, perfs @
10,148-168 & 10,227-257 tsd 17 bo, 10 bw
1/28/84: cag parted @ 8060'
3/8/84: T&A
8/30/84: Proposal to recomplate in San Andrea by setting CIBP
@ 5030' & party 4777-798; 4808-910; 4815-919; 4835-870, 1 spf
but don't think ever done.
8/24/85: Proposal to perf Glorietta @ 5585-610 but don't think
ever done.
8/18/01: currently P&A'd or shut-in
4/22/03: Casing is parted or collapsed @ 8050' w/ CIBP + 30 ex
cmt on top is @ 7935'. After Nutech Log evaluation, there does
not appear to be any potential above 8000' for oil or gas
production, however many intervals in San Andrea and Glorietta
formations which appear to be capable of taking water. Applying
for SWD today w/ perfs to be from 5665' to 5897' Gross in
Glorietta. Will take about 1 month to be approved.

(See attached sheet for DST's & Log Tops)

Schematic Prepared By:

Pride Energy Company(John Pride)

Phone: (518) 524-0300 Fax: (518) 524-0202 E-Mail: Johnp@pride-energy.com

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
10 3/4"	8 5/8"	4170'	1600 SX
7 7/8"	5 1/2"	12845'	2445 SX

Produced
Circ
TOC 3200' *Calc 3/5/86*
TOC 3800' *or 8800*
no other records of C.T.

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
12 1/4"	9 5/8"	4200'	2300 SX
7 7/8"	5 1/2"	12924'	1925 SX

Circ
Circ
TOC 5125' T.S.

- 2-Stage WFO DV TOOL (USING Perf)

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
TOC 7935' inside

*Proposed
GLOK/ETA
ReCompletion
in 1986
but never done!*

T.S.

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
12 1/4"	9 5/8"	4200'	2500 SX
8 3/4"	7"	12874'	2900 SX

Circ
Circ
TOC 5708' T.S.
5719

2-Stage Job

11/5/56

9
Pride Energy Co. 30-025-31188
Well #8, Unit J, Sect. 35, T. 11 S., R. 34 E.

LOC = ?
no returns

CSG	SET	CEMENT	
13 3/8" 17 1/2"	415'	700 SX	Circ
8 5/8" 11"	4200'	1250 SX	Circ TOC 57' T.S.
5 1/2" 7 7/8"	10551'	1320 SX	TOC 5250' T.S. - Top stage

Bottom 4795' SX-Tap
DVE 8488

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 OK
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) ✓

NO. OF COPIES RECEIVED		
DISTRIBUTION		
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 <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-	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

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

PERFORM REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>

PLUG AND ABANDON	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK	<input type="checkbox"/>
COMMENCE DRILLING OPNS.	<input type="checkbox"/>
CASING TEST AND CEMENT JOBS	<input type="checkbox"/>
OTHER	<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 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 4263 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

TITLE **UNIT HEAD**

DATE **1-29-73**

APPROVED BY

TITLE

DATE

CONDITION OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
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 <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
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"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
	OTHER <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 1709.

1. HYDRO TEST TUBING OUT TO DISCARD BAD JOINTS.
2. RUN TBG. BACK OPEN ENDED AND PLACE 20 SX CLASS H CEMENT PLUG FROM 9825-9945. PUMP ALL PLUGS DOWN WITH PRODUCED WATER CONTAINING 25 SX GELL/10088LS. 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 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
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 *[Signature]* TITLE UNIT HEAD DATE 11-27-72

APPROVED BY *[Signature]* TITLE DATE NOV 29 1972

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR Exxon Corp	DATE 1973 PA	
LEASE South four Lakes	WELL No. 5	LOCATION C. Sec 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 $\frac{1}{4}$ " Circ

Shoe plug

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

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

405v plug

3 $\frac{1}{2}$ stub 5125 405v plug

plug at 9899

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

Total depth 13020 ' Hole size 7 " Toc 8205

Plug

(Graphics are not to scale)

Field: Fou-Lakes

Elevation: 4150 DF

Scene: NM



Total length of String (No Elevation)

Total Rod / Pump Length

Additional Notes:

P&A'd now

Phone: (918) 584-9200 Fax: (918) 584-9292 E-Mail: johnp@pride-energy.com

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: 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 Mbr	(acre ft per annum)	Use	Diversion	Owner	Well Number	Source	Tws	Rng	Sec	q
L 03005		PRO	3	EXXON CORP.	L 03005		12S	34E	02	2
L 03005 (1)		PRO		EXXON CORP.	L 03005 (1)		12S	34E	02	2

Record Count: 2



ARDINAL LABORATORIES

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	-	-

Amy 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. 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

7001 2510 0007 4767 0928

U.S. Postal Service		CERTIFIED MAIL RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)			
OFFICIAL USE		UNIT ID: 0640	
Postage	\$ 1.06	Postmark Clerk: HOBBBS NM 05/05/03 88240	
Certified Fee	2.30		
Return Receipt Fee (Endorsement Required)	1.75		
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$ 5.11		
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	

7001 2510 0007 2764 8879

U.S. Postal Service		CERTIFIED MAIL RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)			
OFFICIAL USE		UNIT ID: 0640	
Postage	\$ 1.06	Postmark Clerk: HOBBBS NM 05/05/03 88240	
Certified Fee	2.30		
Return Receipt Fee (Endorsement Required)	1.75		
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$ 5.11		
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	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

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

2. Article Number

(Transfer from service label)

7001 2510 0007 2764 8879

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1035

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

H. Quick

☐ Agent☐ Addressee

B. Received by (Printed Name)

H. Quick

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

MAY 14 2003

USPS 74136

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

State Land Office
P.O. Box 1148
Santa Fe, NM 87504-1148

2. Article Number

(Transfer from service label)

7001 2510 0007 4767 0928

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

J. A.

☐ Agent☐ Addressee

B. Received by (Printed Name)

J. A.

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

MAY 15 2003

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

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

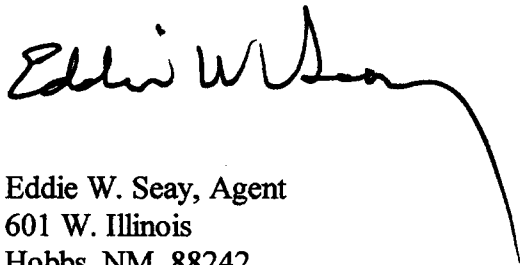
RE: South Four Lakes #1
Unit B, Sect. 2, Tws. 12 S., Rng. 34 E.

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,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping horizontal line extending to the right.

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

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 #1, located in Unit letter B, 660/N 1980/E in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Glorietta from 5800' to 6897'. The expected maximum rate of injection will be 2000 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.

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

My Commission Expires June 22, 2006

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 #1, located in Unit letter B; 660/N 1980/E in Section 2, Township 12 S., Range 34 E., Lea Co., NM. The injection formation will be the Glorietta from 5800' to 6897'. The expected maximum rate of injection will be 2000 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, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87504, within fifteen (15) days. Published in the Lovington Daily Leader May 7, 2003.