

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised June 10, 2003

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Pride Energy Company PO Box 701950 Tulsa, OK 74170-1950		² OGRID Number 151323 ✓
		³ API Number 30 - 025 - 36844
³ Property Code 24592	⁵ Property Name South Four Lakes Unit ✓	⁶ Well No. 14 ✓

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	35	11S	34E		1980	South	710	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

⁹ Proposed Pool 1

Four Lakes Penn 25460

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S ✓	¹⁵ Ground Level Elevation 4,148
¹⁶ Multiple No	¹⁷ Proposed Depth 10,500	¹⁸ Formation Pennsylvanian	¹⁹ Contractor unknown	²⁰ Spud Date ASAP

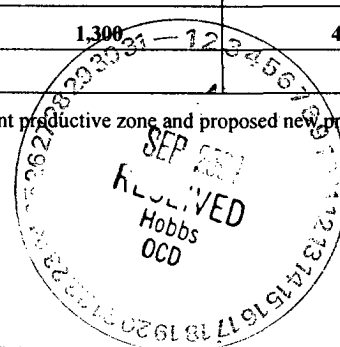
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54.50#	350'	300	Surface
12 1/4"	9 5/8"	36#	4220'	1,500	Surface
7 7/8"	5 1/2"	17#	10,500'	1,300	4,000

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

(See Drilling Prognosis Attached)

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>John W. Pride</i> Printed name: John W. Pride Title: President of Pride Oil & Gas Co., Inc., as General Partner of Pride Energy Company E-mail Address: johnp@pride-energy.com Date: August 30, 2004 Phone: 918-524-9200		OIL CONSERVATION DIVISION Approved by: <i>Paul F. [Signature]</i> Title: PETROLEUM ENGINEER Approval Date: SEP 03 2004 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>
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BASIN SURVEYS

District I
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: Pride Energy Co. Telephone: 918-524-9200 e-mail address: johnp@pride-energy.com
Address: 2250 East 73rd St. Suite 550 Tulsa, OK 74136
Facility or well name: South Four Lakes API #: 30-025-36874 or Qtr/Qtr I Sec 35 T 11 R 34
County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐

Pit Volume 200 bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 40 ft.

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

Ranking Score (Total Points) 20

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 9/3/04

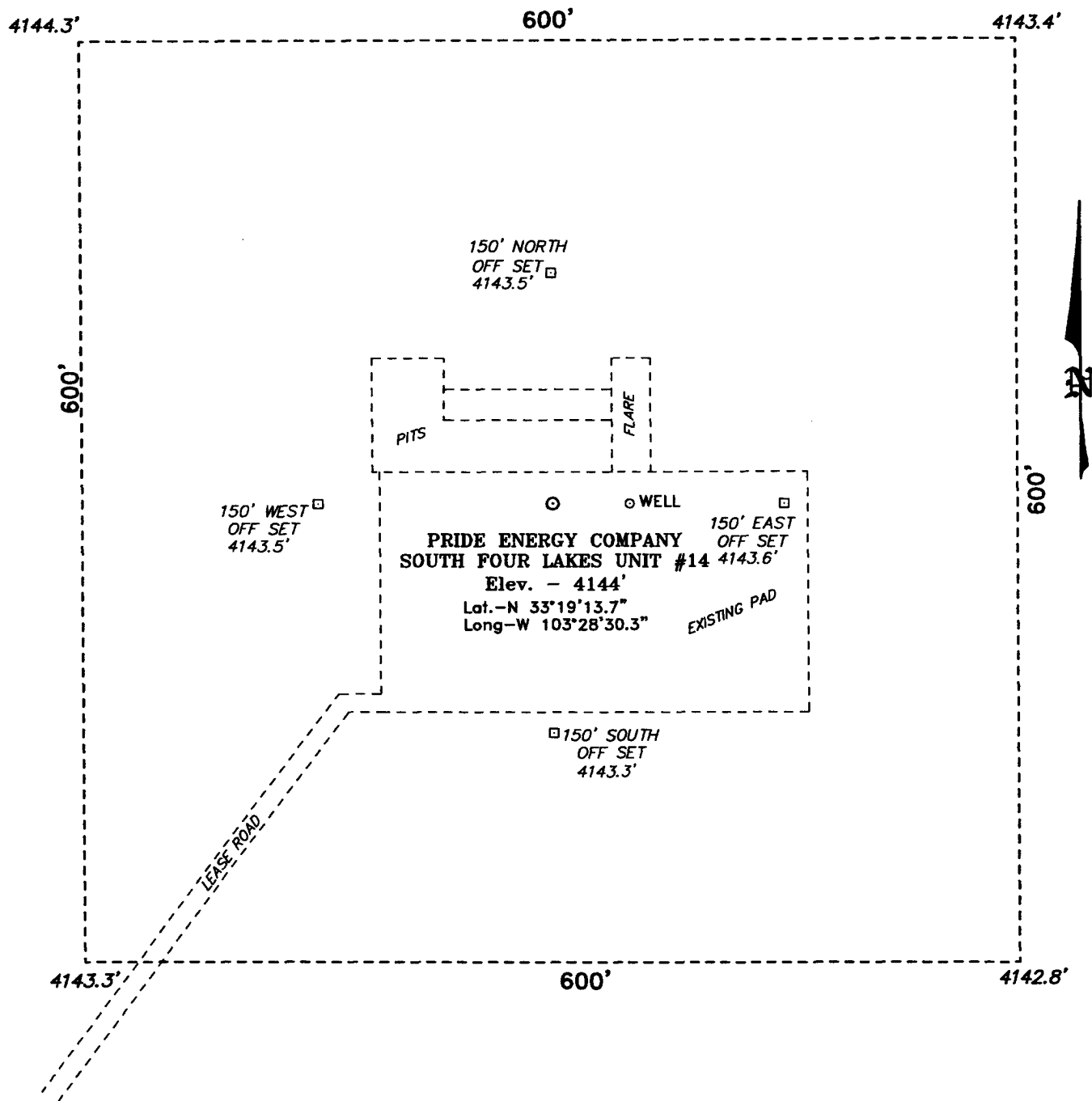
Printed Name/Title Eddie W Seay Agent Signature Eddie W Seay

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: 9/3/04

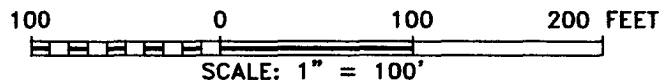
Printed Name/Title _____ Signature Paul J. [Signature] Date: _____

**SECTION 35, TOWNSHIP 11 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.**



Directions to Location:

FROM TATUM GO WEST ON US HWY 380 FOR 9.6 MILES TO A LEASE ROAD; THENCE NORTH ON LEASE ROAD FOR 0.9 MILE; THENCE NORTHEAST ON LEASE ROAD FOR 0.2 MILE TO EXISTING LOCATION.



BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 4613 Drawn By: K. GOAD

Date: 09-02-2004 Disk: KJG CD#4 - 4613A.DWG

PRIDE ENERGY COMPANY

REF: SOUTH FOUR LAKES UNIT No. 14 / Well Pad Topo

THE SOUTH FOUR LAKES UNIT No. 14 LOCATED 1980' FROM
THE SOUTH LINE AND 710' FROM THE EAST LINE OF
SECTION 35, TOWNSHIP 11 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 09-01-2004 Sheet 1 of 1 Sheets

KB: 4162.0' (Estimated)
DF: 4161.0' (Estimated)
GL: 4148.0'
Datum: 14.0' above GL

South Four Lakes Unit #14

John Pride **8/30/04**

API # 30-025-00000

1980' FSL & 710' FEL

Sec 35-T11N-R34W

Lea Co, NM

TOC @ surface

13 $\frac{3}{8}$ " 54.5# @ 350' in 17 $\frac{1}{2}$ " hole
cmt to surface w/ 300 sx

TOC @ surface

9³/₈" 36# J-55 STC 4,220' in 12¹/₄" hole
cmt to surface w/ 1,500sx

TOC @ 4,000'±

5½" 17# N-80 LTC @ 10,500'
cmt w/ 1,300 sx in 7 ⅞" hole
cmt in stages up to above 4000'

2 7/8" 6.5# N-80 8R EUE tubing

TAC @ 9700'±

Set Tubing Anchor @ 9,900'

SN below btm perf

Pennsylvanian
9,900-10,300' Gross

PBTD = 10,420'±

TD = 10,500'

Pride Energy Company
Procedure
South Four Lakes Unit #14
Section 35-T11S-R34E
1,980' fsl & 710' fel
Lea County, NM

Pride Energy Company
POB 701950
2250 East 73rd Street, Suite 550
Tulsa, OK 74170
918 524 9200 office
918 524 9292 fax

August 30, 2004

Project: Drill well to 10500' and test Pennsylvanian formation.

String	Diameter'	Weight	Depth	
Surface Casing	13-3/8"	54.50 ppf	350'	
Intermediate Casing	9-5/8"	36 ppf	4,220'	
Production Casing	5-1/2"	17 ppf	10,500'	

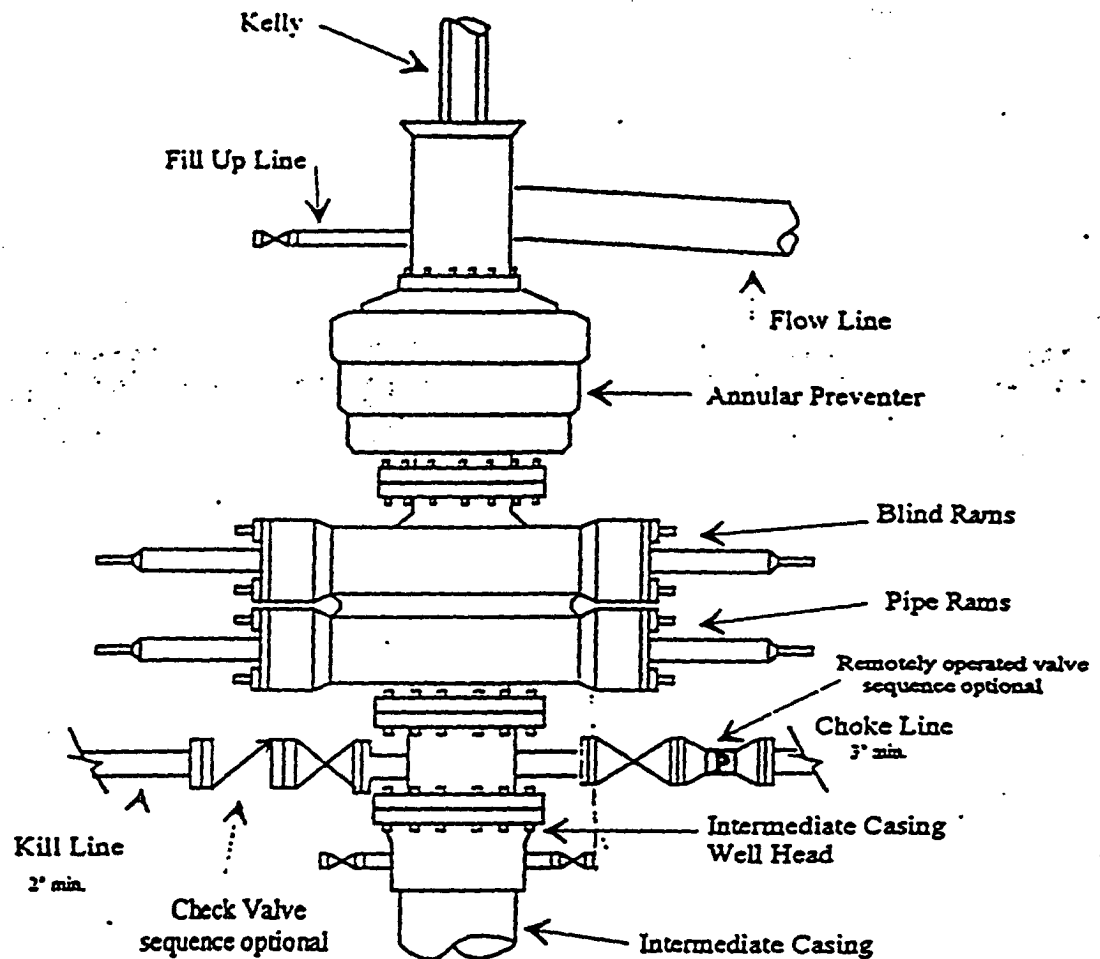
Procedure:

1. Grade & build road and location. Dig and board a cellar around the well. Drill mouse & rat holes.
2. Rig-up a rotary drilling rig.
3. Run a 17½" rock bit and drill 350'.
4. Run 13⅝" casing to 350' & cement w/ 300 sx cmt.
5. Run a 12¼" rock bit and drill to 4,240'.
6. Run 9⅝" casing to 4,220' and cement in w/ 1,500+ sx cmt. Circ cmt to surface.
7. Run an 7⅞" bit and drill to 10,500'.
8. Condition the mud. Run laterolog, gamma-ray, neutron, density and pe logs. Note: pe for a good zone 1.8 to 2.0, <2.5.
9. Run 10500' of 17ppf, 5½", N-80, 8rd, LT&C casing.
10. Cement to above 4,220' with 1,300 sx cmt., flush with 4% KC1 water. Rig-down and clean the location.
11. MIRU completion rig, NU BOPs.
12. Run CBL, Perf. as per Geologist REC.
13. Run Pkr on 2 ⅞" 6.5# N-80 TBG to 100' above top perf., set pkr.
14. Acidize perms, wait 2 hrs & swab back load.
15. Release pkr & POOH.
16. TIH w/ pumping setup. SN below btm perf.
17. ND BOP, NU wellhead.
18. Run rods & Clamp off, RD, RR.
19. Set PU & P.O.P.



BOP-4

PRIDE ENERGY COMPANY
Typical 5,000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features

