

District I  
4625 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

Form C-101  
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Pride Energy Company PO Box 701950 Tulsa, OK 74170-1950		<sup>2</sup> OGRID Number 151323 ✓
<sup>3</sup> Property Code 24592 ✓	<sup>3</sup> Property Name South Four Lakes Unit	<sup>3</sup> API Number 30 - 025- 37248
<sup>9</sup> Proposed Pool 1 Four Lakes Devonian		<sup>10</sup> Proposed Pool 2 Four Lakes Upper Penn

**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
J	2	12S	34E		1,850	South	1,980	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

**Additional Well Information**

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary Rotary	<sup>14</sup> Lease Type Code S ✓	<sup>15</sup> Ground Level Elevation 4146' ✓
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 13,000	<sup>18</sup> Formation Devonian	<sup>19</sup> Contractor Unknown	<sup>20</sup> Spud Date ASAP
Depth to Groundwater Less than 50'		Distance from nearest fresh water well Within 1/2 mile		Distance from nearest surface water 1,000' or more
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 24,000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**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"	48#	350'	385	Surface
12 1/4"	9 5/8"	36# & 40#	4,200'	1,425	Surface
7 7/8"	5 1/2"	17# P-110	13,000'	1,200	4,000'

<sup>22</sup> 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)

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

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: May 2, 2005

Phone: 918-524-9200

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date:

MAY 18 2005

Expiration Date:

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

jp4025.sp

DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37248	Pool Code 76920	Pool Name Four Lakes Devonian (Lhs)
Property Code 24592	Property Name SOUTH FOUR LAKES UNIT	Well Number 16
OGRID No. 151323	Operator Name PRIDE ENERGY COMPANY	Elevation 4146'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	2	12 S	34 E		1850	SOUTH	1980	EAST	LEA

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
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>John W. Pride</i> Signature</p> <p>John W. Pride Printed Name</p> <p>Pres. of Pride Oil &amp; Gas Co., Inc. as General Partner Title</p> <p>May 13, 2005 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MAY 9, 2005 Date Surveyed</p> <p><i>EARY L. JONES</i> Signature &amp; Seal of Professional Surveyor</p> <p>W.O. No. 5377 Certificate No. 7977</p> <p>BASIN SURVEYS</p>

### Proposed Completion

KB: 0.0'

DF: 0.0'

GL: 0.0'

Datum: 0.0' above GL

### South Four Lakes Unit #16

Steve Gillett 5/2/05

API # 30-025-00000

1,850' FSL & 1,980' FEL

Sec 2-T12S-R34W

Lea Co, NM

TOC @ surface

13<sup>3</sup>/<sub>8</sub>" 48# H-40 STC @ 350'

cmt to surface w/ 385 sx in 17<sup>1</sup>/<sub>2</sub>" hole

TOC @ surface

9<sup>5</sup>/<sub>8</sub>" 36# or 40# J-55 STC @ 4,200'

cmt to surface w/ 1,500 sx in 12<sup>1</sup>/<sub>4</sub>" hole

5<sup>1</sup>/<sub>2</sub>" DV tool @ 9005'

5<sup>1</sup>/<sub>2</sub>" TOC @ above 4200'

Devonian

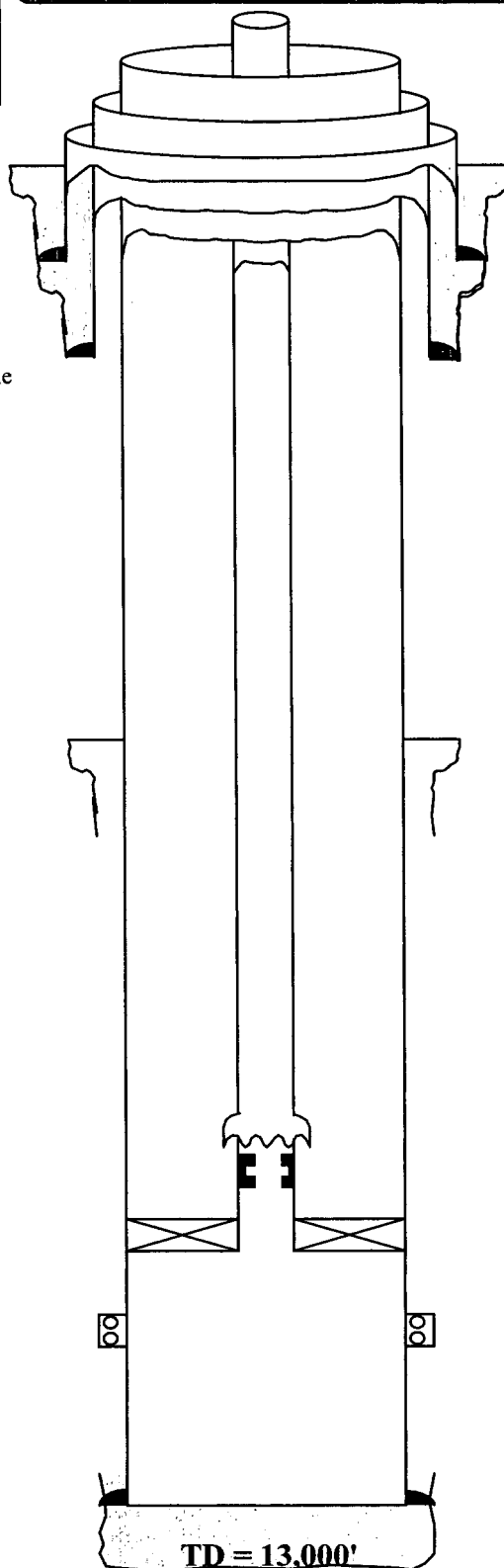
12,600 - 12,900' Gross

PBTD = 13,000

5<sup>1</sup>/<sub>2</sub>" 17# P-110 LTC @ 13,000'

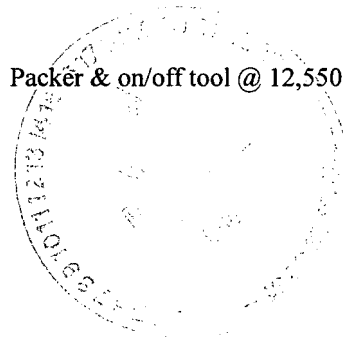
cmt in stages w/ 1,200 sx in 7<sup>7</sup>/<sub>8</sub>" hole

TOC @ above 4000'



2<sup>7</sup>/<sub>8</sub>" 6.5# N-80 8R EUE tubing

Packer & on/off tool @ 12,550'±



TD = 13,000'

Pride Energy Company  
Procedure  
South Four Lakes Unit #16  
Section 2-T12S-R34E  
1,850' fsl & 1,980' fel  
Lea County, NM

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

May 2, 2005

Project: Drill well to 13,000' and test Devonian formation.

String	Diameter'	Weight	Depth
Surface Casing	13-3/8"	48 ppf	350'
Intermediate Casing	9-5/8"	36,40 ppf	4,200'
Production Casing	5-1/2"	17 ppf	13,200'

Procedure:

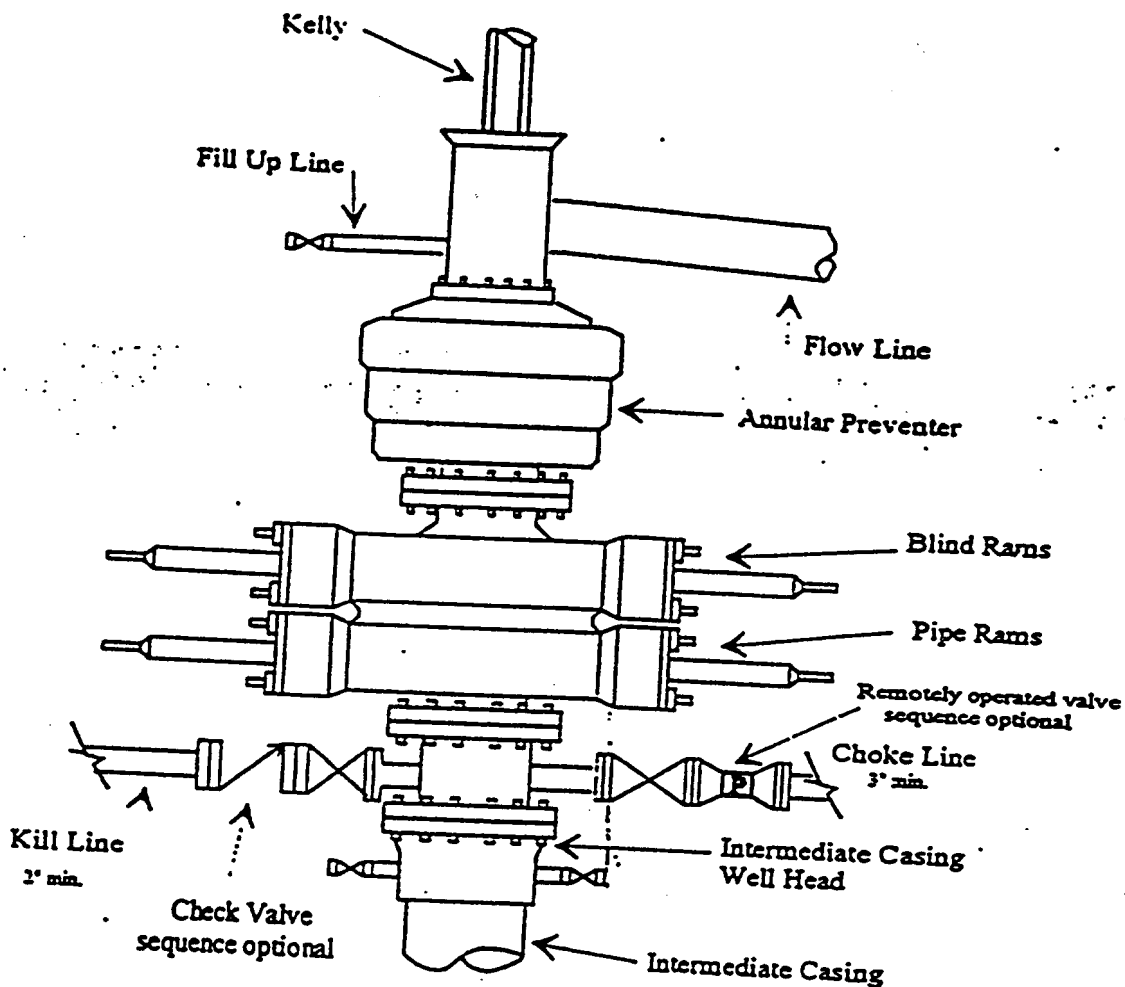
1. Grade & build road and location. Dig and board a cellar around the well. Drill mouse hole & rat hole.
2. Rig-up a rotary drilling rig.
3. Run a 17½" rock bit and drill 350'.
4. Run 13⅜" casing to 350' & cement w/ 385 sx cmt.
5. Run a 12¼" rock bit and drill to 4,200'.
6. Run 9⅝" casing to 4,200' and cement in w/ 1,425 sx cmt. Circ cmt to surface.
7. Run an 7⅞" bit and drill to 13,000'.
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 13,000' of 17ppf, 5½", P-110, 8rd, LT&C casing for casing or tubing treating.
10. Cement to above 4,000', flush with 4% KCl water. Rig-down and clean the location.
11. Run a gr and cement bond log.
12. Rig-up a work-over rig. Run a packer w/ on/off tool and 12,550' of 2⅞" 6.5 ppf, N-80 tubing.
13. Install the tree. Swab the fluid level to 5000'. Perforate at \_\_\_\_\_ (determine after logging). Attempt to swab dry.
14. Acidize w/ \_\_\_\_\_ gals 15% HCL.
15. Production Test.





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

BOP-4



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

