

## 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

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, P.O. Box 701950, Tulsa, OK 74170		<sup>2</sup> OGRID Number 151323
		<sup>3</sup> API Number 30 - 025-03145
<sup>4</sup> Property Code 34564	<sup>5</sup> Property Name State Lea 405 Com	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Vacuum, South (McKee) 97368		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	18S	35E		660	North	1,980	West	Lea

<sup>8</sup> 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 E, D	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3,893'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 14,000'	<sup>18</sup> Formation Granite Wash	<sup>19</sup> Contractor	<sup>20</sup> Spud Date ASAP
Depth to Groundwater approx. 60'		Distance from nearest fresh water well Greater than 1/4 mile		Distance from nearest surface water Greater than 1/4 mile
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 14,000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
15 1/2"	13 3/8"	35.6	325' (in place)	40000	Surface
12 1/4"	9 5/8"	36 & 40	4,990' (in place)	1,900	Surface
8 3/4"	7	26, 29, 32	11,783' (top 5,100' pulled) (bottom 6,683 in place)	300	8,090'
5 7/8"	5 1/2"	17	14,000'±	430	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.

Drill out: 25 sx plug at surface, cement retainer at 4,956', 25 sx plug from 4,990' to 5,100'. Drill & circulate out drilling mud in hole from 5,100' down to 8,450'±. Drill out 40 sx cement plug from 8,450 to 8,685', drill CIBP at 8,720', drill & circulate 11,602', drill out CIBP @ 11,602' & 6' cement top, drill & circulate heavy drl'g. mud from 11,602 to T.D. of 11,783'. Drill shoe. Drill new hole, 5 7/8", from 11,783' to 14,000'±, run open hole logs and cores, set 5 1/2" casing from surface to 14,000±, cement, perforate McKee sand, fracture treatment job with approx. 180,000 gallons water, acid & additives and 170,000 #s of proppant. Complete & test well. BOP: 11" Hydraulic Dual Ram (10M), Blind & Pipe

<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: Pres. of Pride Oil &amp; Gas Co., Inc. as Gen. Partner of Pride Energy Company

E-mail Address: johnp@pride-energy.com

Date: 1/17/05

Phone: 918-524-9200

## OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

JAN 25 2005

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Re-Entry

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies  
☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-03145		<sup>2</sup> Pool Code 97368	<sup>3</sup> Pool Name Vacuum, South (McKee)
<sup>4</sup> Property Code 34564	<sup>5</sup> Property Name State Lea 405 Com		<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 151323	<sup>8</sup> Operator Name Pride Energy Company		<sup>9</sup> Elevation 3,893'

**<sup>10</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	18S	35E		660	North	1,980	West	Lea

**<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill N	<sup>14</sup> Consolidation Code P	<sup>15</sup> Order No.
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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

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature John W. Pride Printed Name President of Pride oil & Gas Co., Inc., General Partner of Pride Energy Company Title and E-mail Address john.pride - energy.com Date January 18, 2005	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.	
	Date of Survey Signature and Seal of Professional Surveyor: (see original survey attached hereto)	
	Certificate Number	

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

FORM C-128  
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

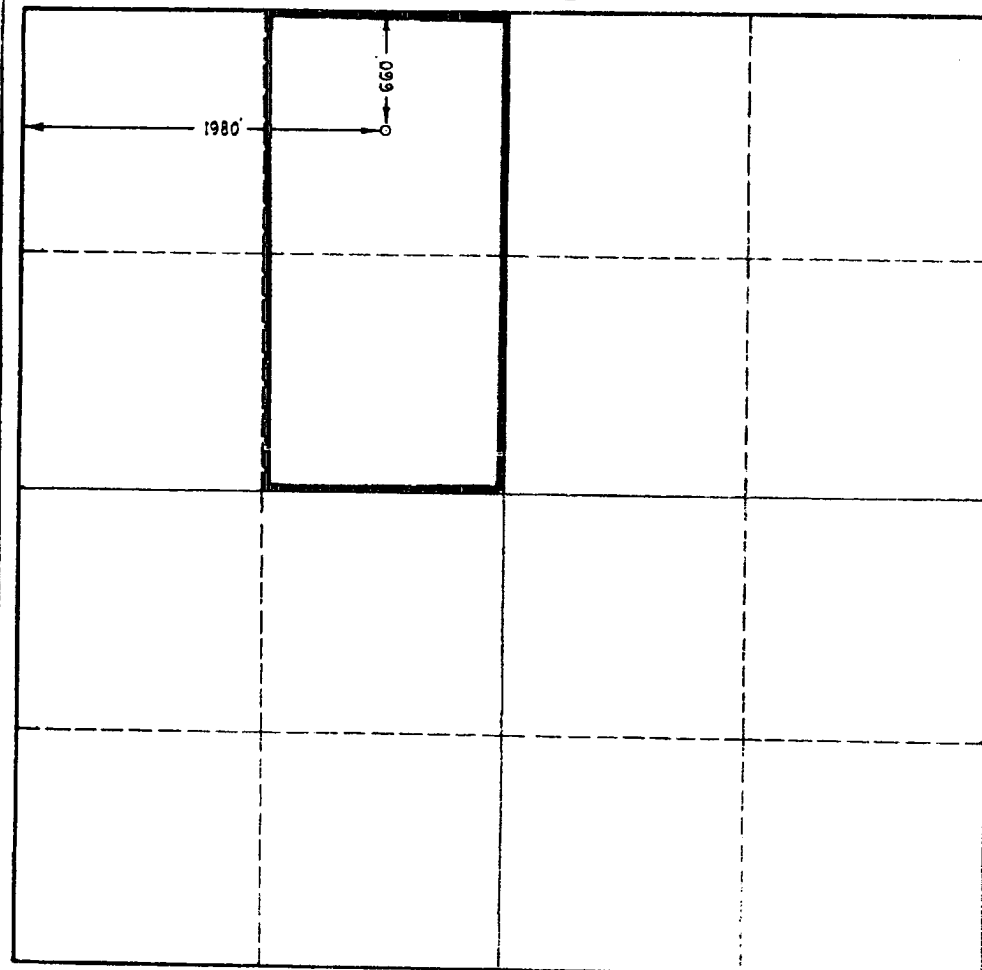
**SECTION A**

Operator <b>Sinclair Oil &amp; Gas Company</b>			Lease <b>State Lea 405</b>		Well No. <b>19 53</b>
Unit Letter <b>C</b>	Section <b>27</b>	Township <b>18 South</b>	Range <b>35 East</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3893</b>	Producing Formation <b>Devonian</b>		Pool <b>South Vacuum-Devonian</b>		Dedicated Acreage: <b>80</b> Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO \_\_\_\_ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES \_\_\_\_ NO \_\_\_\_ If answer is "yes," Type of Consolidation \_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

**SECTION B**



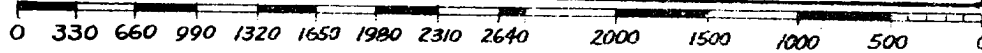
**CERTIFICATION**

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

Name <i>[Signature]</i>
Position <b>Div. Clerk Prod. Dept.</b>
Company <b>Sinclair Oil &amp; Gas Company</b>
Date <b>September 23, 1960</b>

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed <b>12/4/57</b>
Registered Professional Engineer and/or Land Surveyor <i>[Signature]</i>
Certificate No. <b>676</b>



### Proposed Completion

KB: 3893.0'  
DF: 0.0'  
GL: 3893.0'  
Datum: 0.0' above GL

### State Lea 405 # 1

Steve Gillett 1/18/05  
API # 30-025-03145  
660' FNL & 1980' FEL  
Sec 27-T18S-R35E  
Lea Co, NM

13 $\frac{3}{8}$ " TOC @ surface  
13 $\frac{3}{8}$ " 35.6# @ 325'  
w/ 400 sx in 15 $\frac{1}{2}$ " hole

9 $\frac{5}{8}$ " TOC @ surface

xx perfs: 4652'-4777'

9 $\frac{5}{8}$ " 36 & 40# J-55 @ 4990'  
w/ 1990 sx in 12 $\frac{1}{4}$ " hole  
7" stub @ 5100'

Queen perfs: 6334'-40'

7" TOC @ 8090'

Bone Springs perfs: 8649'-81'

7" DV tool @ 8812' w/ 150 sx

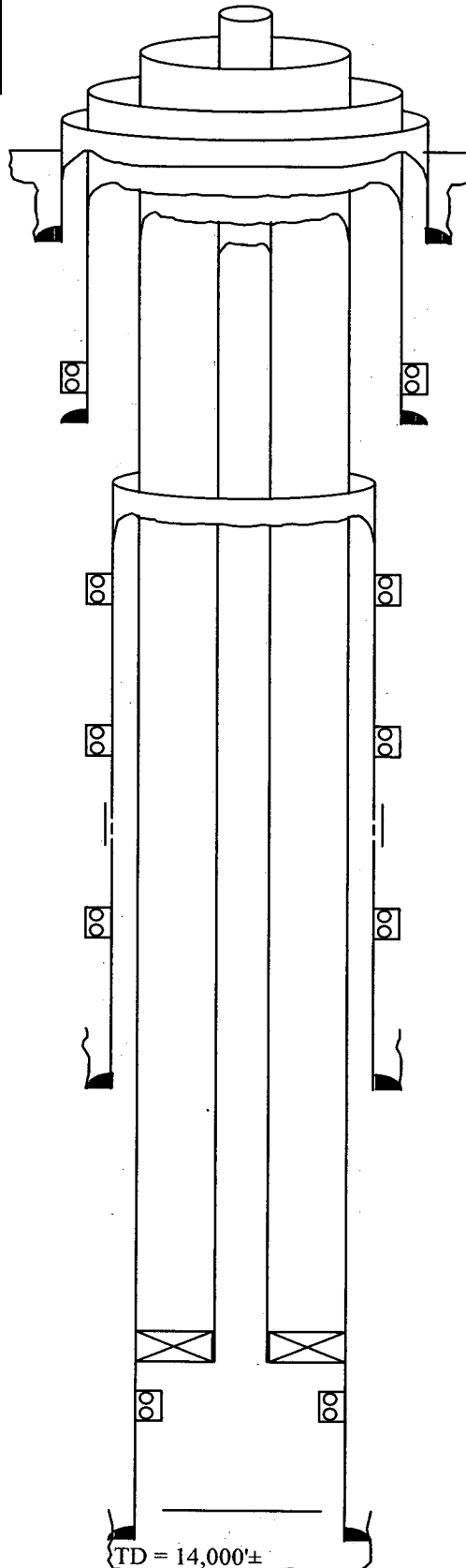
Devonian perfs: 11686'-774'

PBTD = 11,781

7" 26#, 29#, & 32# N-80 @ 11783'  
w/ 150 sx in 8 $\frac{3}{4}$ " hole

PBTD = '

5 $\frac{1}{2}$ " 17# P-110 FJ @ 14,000'±  
w/ 430 sx in 5 $\frac{7}{8}$ " hole



Calc 5 $\frac{1}{2}$ " TOC @ 4000'

#### 7" casing detail:

32# surf - 1113'  
29# 1113' - 3354'  
26# 3354' - 10409'  
32# 10409' - 11783'

### Current Completion

KB: 3893.0'

DF: 0.0'

GL: 3893.0'

Datum: 0.0' above GL

### State Lea 405 # 1

Steve Gillett 1/18/05

API # 30-025-03145

660' FNL & 1980' FEL

Sec 27-T18S-R35E

Lea Co, NM

13<sup>3</sup>/<sub>8</sub>" TOC @ surface

13<sup>3</sup>/<sub>8</sub>" 35.6# @ 325'

w/ 400 sx in 15<sup>1</sup>/<sub>2</sub>" hole

9<sup>5</sup>/<sub>8</sub>" TOC @ surface

xx perfs: 4652'-4841'

9<sup>5</sup>/<sub>8</sub>" 36 & 40# J-55 @ 4990'

w/ 1990 sx in 12<sup>1</sup>/<sub>4</sub>" hole

7" stub @ 5100'

Queen perfs: 6334'-74'

Sqz shot @ 6494' w/ 75 sx

7" TOC @ 8090'

Bone Springs perfs: 8649'-81'

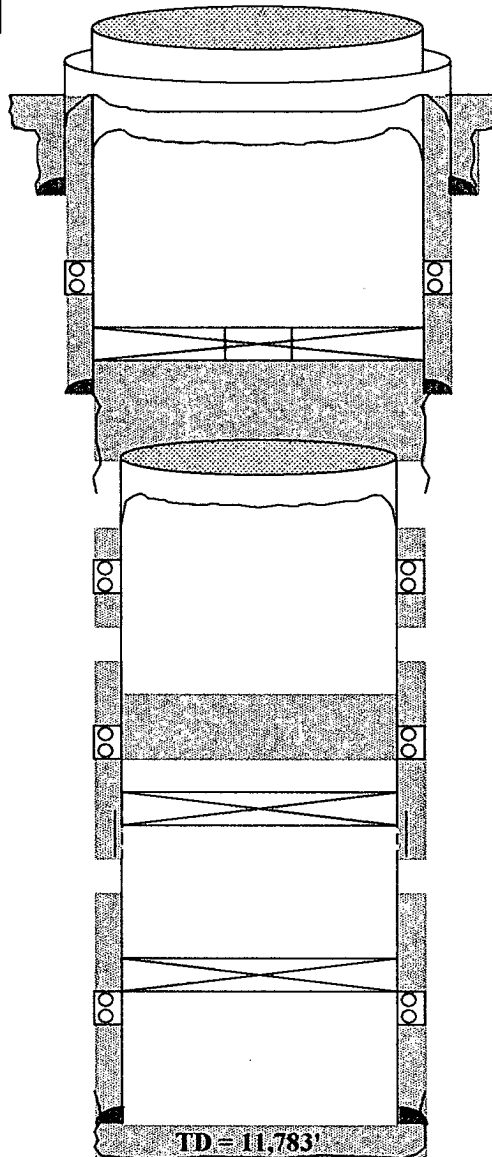
7" DV tool @ 8812' w/ 150 sx

Devonian perfs: 11686'-774'

PBTD = 11,781

7" 26#, 29#, & 32# N-80 @ 11783'

w/ 150 sx in 8<sup>3</sup>/<sub>4</sub>" hole



Plug #3 25 sx at surface

Retainer @ 4956'

Plug #2 4990'-5100' (25 sx)

Plug #1 8450'-8685' (40 sx)

CIBP @ 8720' w/ 2 sx on top

CIBP @ 11602' w/ 6' cmt on top

7" casing detail:

32# surf - 1113'

29# 1113' - 3354'

26# 3354' - 10409'

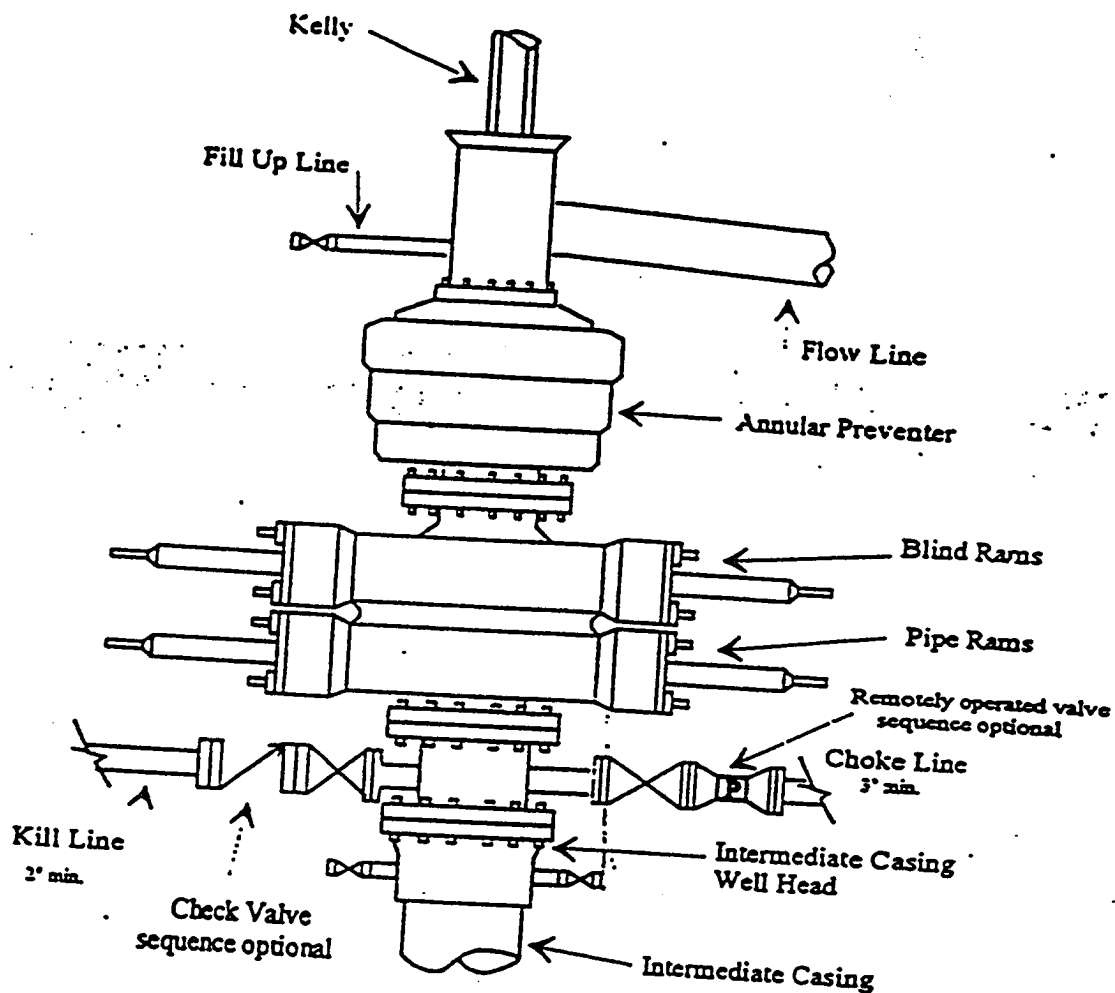
32# 10409' - 11783'

PBTD = '



PRIDE ENERGY COMPANY  
Typical /9000 psi Pressure System  
Schematic  
Annular with Double Ram Preventer Stack

BOP-4



Typical /9000 psi choke manifold assembly with at least these minimum features

