

**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 74170-1950		<sup>2</sup> OGRID Number 151323 ✓
<sup>3</sup> Property Code 34946	<sup>4</sup> Property Name West Lovington "20" State	<sup>5</sup> API Number 30 - 025 - 37377
<sup>9</sup> Proposed Pool 1 West Lovington Penn 40750		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no. AL	Section 20	Township 16S	Range 36E	Lot Idn	Feet from the 1,650	North/South line South	Feet from the 990'	East/West line West	County Lea
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**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
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**Additional Well Information**

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S ✓	<sup>15</sup> Ground Level Elevation 3,942'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11,700	<sup>18</sup> Formation Strawn	<sup>19</sup> Contractor Unknown	<sup>20</sup> Spud Date ASAP
Depth to Groundwater 80'		Distance from nearest fresh water well 1800'		Distance from nearest surface water >1 mile
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 10,000 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"/>				

**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# or 54.5#	400'	500 sx	Surface
11"	8 5/8"	28# & 32#	4,150'	1850 sx	surface
7 7/8"	5 1/2"	17# & 20#	11,700	675 sx 1 <sup>st</sup> . stg.	4,000'
				1100 sx 2 <sup>nd</sup> stg.	

<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.

Pride Energy Company proposes to drill to 11,700' T.D. in the Strawn

The BOP stack will consist of 13-5/8" x 5000# Shaffer Double Preventer with 13-5/8" x 5000# Hydrill Annular or equivalent.

<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 NMOC guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		<b>OIL CONSERVATION DIVISION</b>	
Printed name: John W. Pride <i>John W. Pride</i>		Approved by: <i>[Signature]</i>	
Title: Pres. of Pride Oil & Gas Co., Inc., as General Partner of Pride Energy Company		Title: <b>PETROLEUM ENGINEER</b>	
E-mail Address: johnp@pride-energy.com		Approval Date: _____ Expiration Date: _____	
Date: 6/21/05	Phone: 918-524-9200	Conditions of Approval Attached <b>JUL 20 2005</b>	

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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 - 37377	Pool Code 40750	Pool Name <del>West Lovington</del> Penn, <sup>Upper West</sup>
Property Code 34946	Property Name WEST LOVINGTON "20" STATE	Well Number 1
OGRID No. 151323	Operator Name PRIDE ENERGY COMPANY	Elevation 3942'

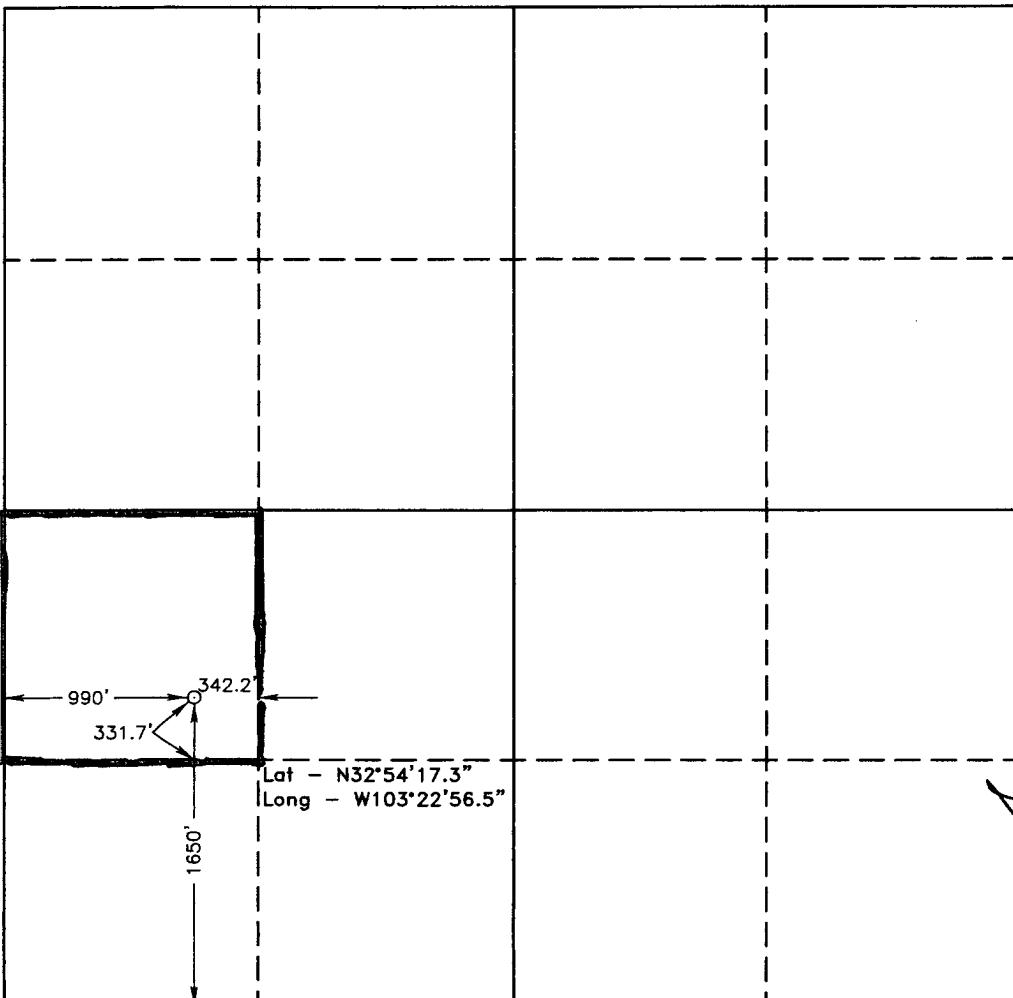
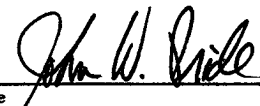
Surface Location

UL or lot No. L	Section 20	Township 16 S	Range 36 E	Lot Idn	Feet from the 1650	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
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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 40	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>Lat - N32°54'17.3" Long - W103°22'56.5"</p>	<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> Signature John W. Pride Printed Name Pres. of Pride Oil &amp; Gas Co., Ir Titleas Gen. Partner of Pride Energy Company Date July 13, 2005</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>JUNE 28, 2005</p> <p>Date Surveyed Signature &amp; Seal of Gary L. Jones Professional Surveyor NEW MEXICO 7977 W.O. No. 5544 Certificate No. Gary L. Jones 7977 PROFESSIONAL LAND SURVEYOR</p>
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Pride Energy Company  
Procedure  
West Lovington "20" State #1  
Section 20-T16S-R36E  
1,650' fsl & 990' fwl  
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

June 21, 2005

Project: Drill well to 11,700' and test Strawn formation.

String	Diameter'	Weight	Depth
Surface Casing	13-3/8"	48 ppf	400'
Intermediate Casing	8-5/8"	28, 32 ppf	4,150'
Production Casing	5-1/2"	17, 20 ppf	11,700'

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 400'.
4. Run 13⅝" casing to 400' & cement w/ 500 sx cmt.
5. Run a 11" rock bit and drill to 4,150'.
6. Run 8⅝" casing to 4,150' and cement in w/ 1,850 sx cmt. Circ cmt to surface.
7. Run a 7⅞" bit and drill to 11,700'.
8. Condition the mud. Run laterolog, gamma-ray, neutron, density logs.
9. Run 11,700' of 17# & 20#, 5½", N-80, 8rd, LT&C casing.
10. Cement to above 4,150', 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.
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. Run a packer w/ on/off tool and 11,500'± of 2⅞" 6.5 ppf, N-80 tubing.
16. Production Test.

### Proposed Completion

KB: 0.0'  
DF: 0.0'  
GL: 3942.0'  
Datum: 0.0' above GL

### West Lovington "20" St. #1

John Pride 6/21/05  
API # 30-025-00000  
1,650' fsl & 990' fwl  
Sec 20-T16S-R36E  
Lea Co, NM

13 3/8" TOC @ surface

13 3/8" 48# H-40 STC @ 400'  
w/ 500 sx in 17 1/2" hole

8 5/8" TOC @ surface

8 5/8" 24# & 32# J-55 STC @ 4,200'  
w/ 1850 sx in 11" hole

5 1/2" DV TOC @ 4000' calc

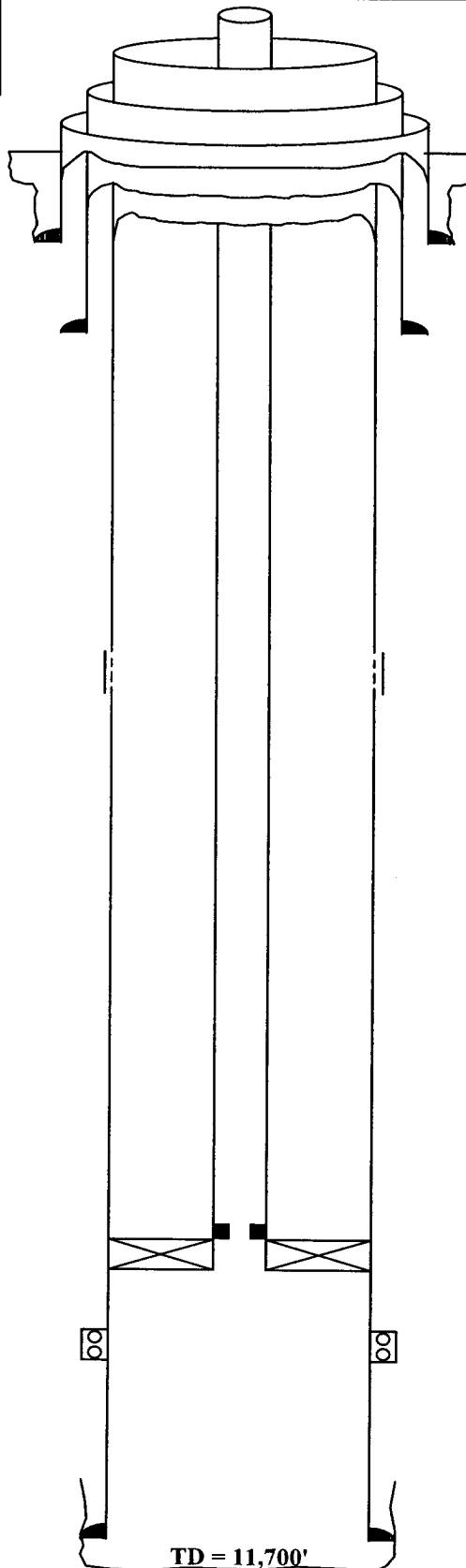
5 1/2" DV tool @ 9000' w/ 1100 sx

5 1/2" shoe TOC @ 9000' calc

Strawn perfs: TBD

PBTD = '

5 1/2" 17# & 20# N-80 LTC @ 11,700'  
w 675 sx in 7 7/8" hole



8 5/8" casing detail:

24# surf - 2400'

32# lg drift 2400' - 4200'

Alternate.....

9 5/8" casing detail:

36# surf - 3800'

40# 3800' - 4200'

5 1/2" casing detail:

20# surf - 1600'

17# 1600' - 10,000'

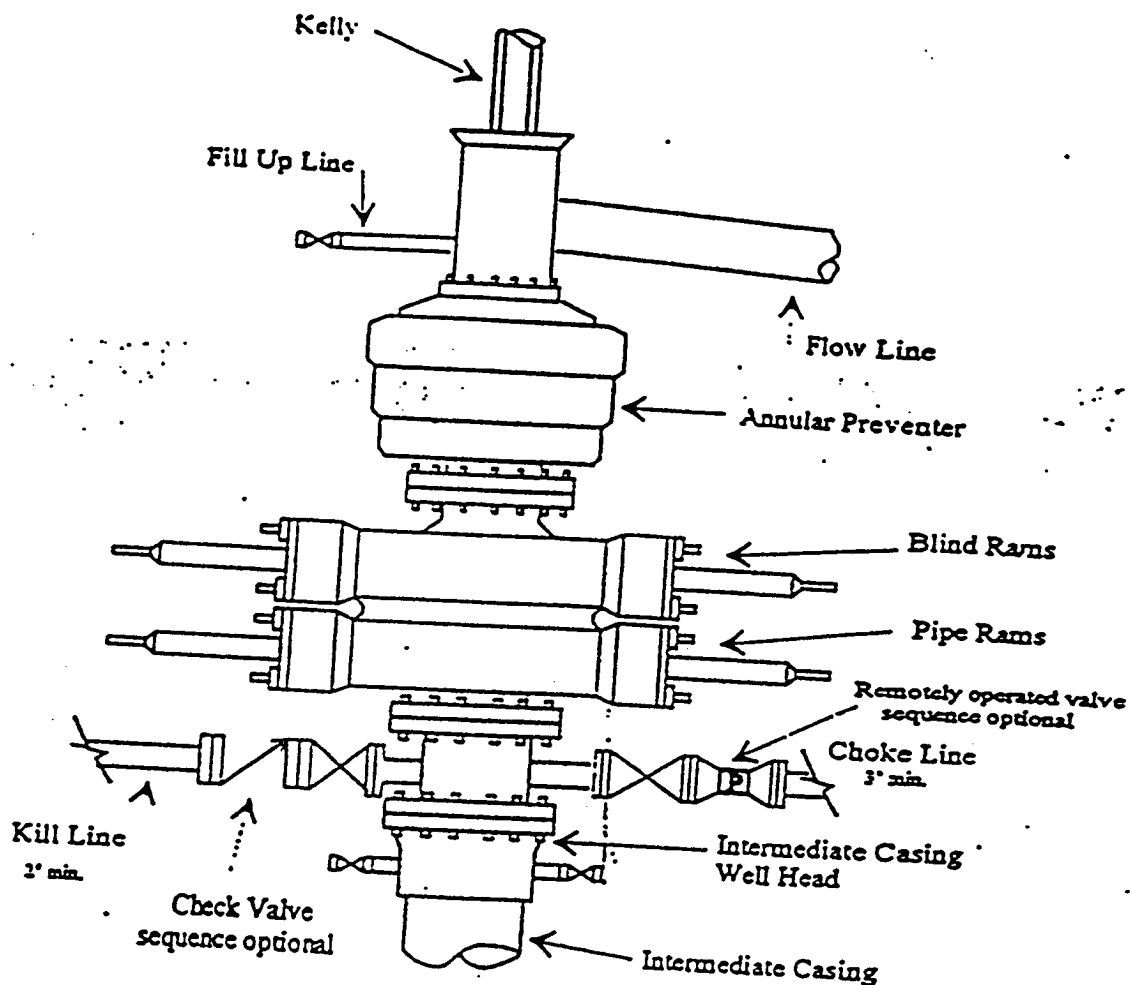
20# 10,000' - 11,700'

TD = 11,700'



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

