

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

¹ Operator Name and Address Pride Energy Company P.O. Box 701950, Tulsa, OK 74170-1950		² OGRID Number 151323
		³ API Number 30 - 025 - 03145
⁴ Property Code 34564	⁵ Property Name State Lea 405 Com	⁶ Well No. 1
⁹ Proposed Pool 1 Vacuum, South (McKee) 97368		¹⁰ Proposed Pool 2

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
C	27	18S	35E		660	North	1,980	West	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

¹¹ Work Type Code E, D	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3,893'
¹⁶ Multiple No	¹⁷ Proposed Depth 14,000'	¹⁸ Formation Granite Wash	¹⁹ Contractor	²⁰ 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: 1,500 bbls		Drilling Method: <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		
Closed-Loop System <input type="checkbox"/>				

²¹ 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)	400	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'

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.

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.

²³ 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 ☒ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐

Printed name: John W. Pride

Title: Pres. of Pride Oil & Gas Co., Inc., as General Partner of Pride Energy Company

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

Date: 1/25/06

Phone: 918-524-9200

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

FEB 01 2006

Conditions of Approval Attached ☐

PETROLEUM ENGINEER

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

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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

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

¹⁰ 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

¹¹ 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

¹² Dedicated Acres 320	¹³ Joint or Infill N	¹⁴ Consolidation Code P	¹⁵ 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

			<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that 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>President of Pride Oil & Gas Co., Inc., General Partner of Pride Energy Company</p> <p>Title and E-mail Address johnp@pride-energy.com</p> <p>January 25, 2006 Date</p>
			<p>¹⁸ SURVEYOR CERTIFICATION 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>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

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

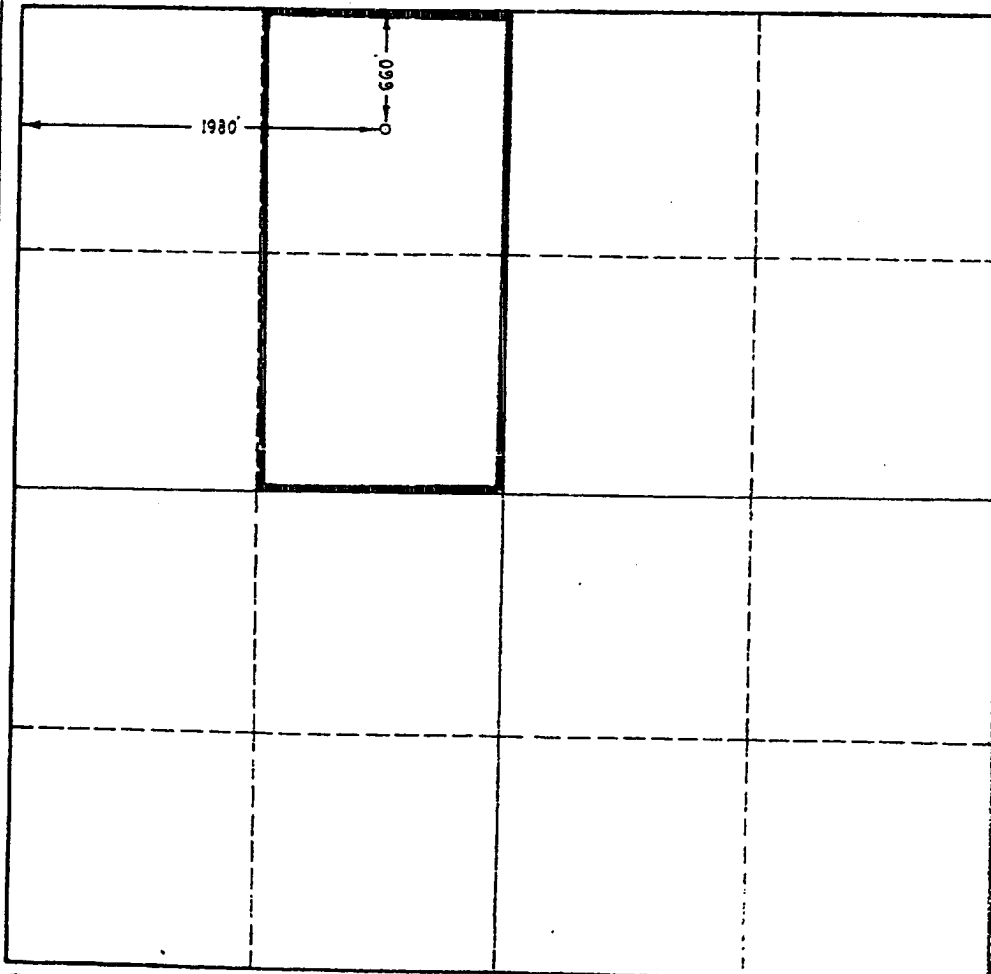
SECTION A

Operator Sinclair Oil & Gas Company			Lease State Lea 405		Well No. 19 53
Unit Letter C	Section 27	Township 18 South	Range 35 East	County Lea	
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 3893	Producing Formation Devonian		Pool South Vacuum-Devonian	Dedicated Acreage: 80 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 1958 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 Div. Clerk Prod. Dept.
Company Sinclair Oil & Gas Company
Date September 23, 1960

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

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

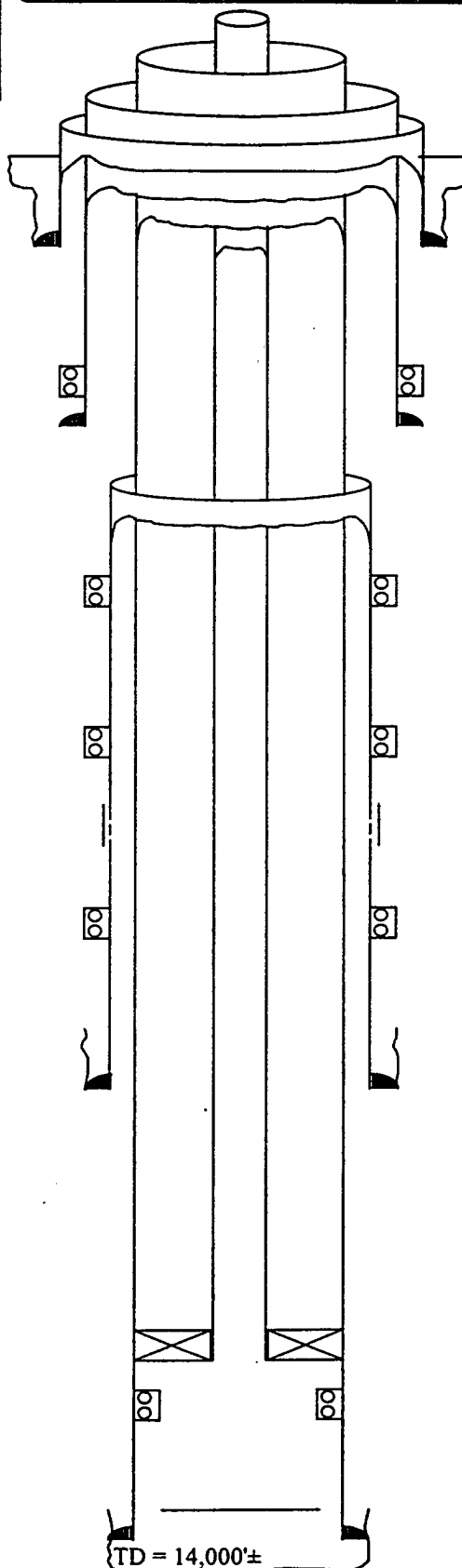
7" 26#, 29#, & 32# N-80 @ 11783'

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 $\frac{1}{4}$ " hole



7" casing detail:

32# surf - 1113'

29# 1113' - 3354'

26# 3354' - 10409'

32# 10409' - 11783'

TD = 14,000'±

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 3/8" TOC @ surface

13 3/8" 35.6# @ 325'

w/ 400 sx in 15 1/2" hole

9 5/8" TOC @ surface

xx perfs: 4652'-4841'

9 5/8" 36 & 40# J-55 @ 4990'

w/ 1990 sx in 12 1/4" hole

7" stub @ 5100'

Queen perfs: 6334'-74'

Sqz shot @ 6494' w/ 75 sx

7" TOC @ 8090'

Bone Springs perfs: 8649'-81'

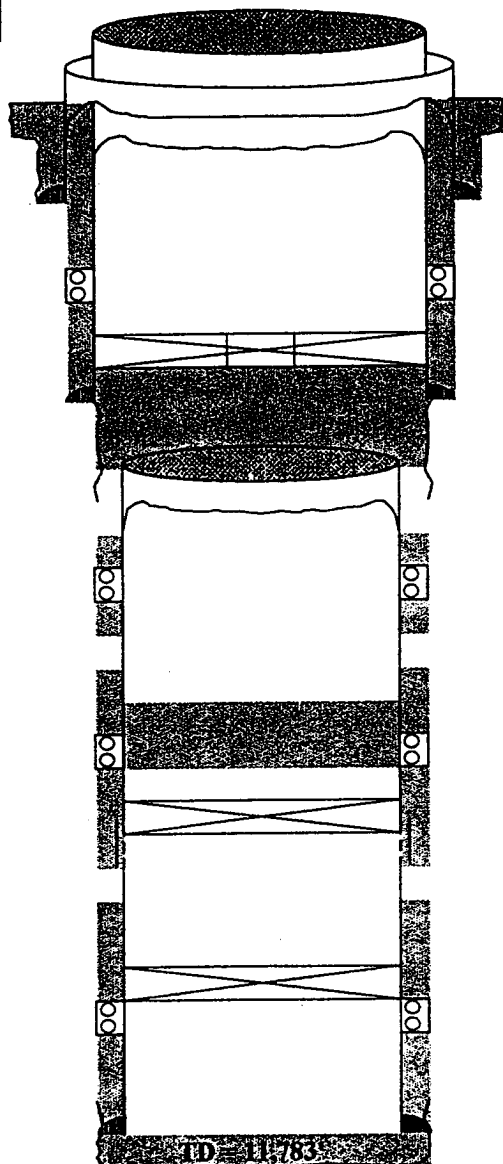
7" DV tool @ 8812' w/ 150 sx

Devonian perfs: 11686'-774'

PBTD = 11,781

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

w/ 150 sx in 8 3/4" 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'

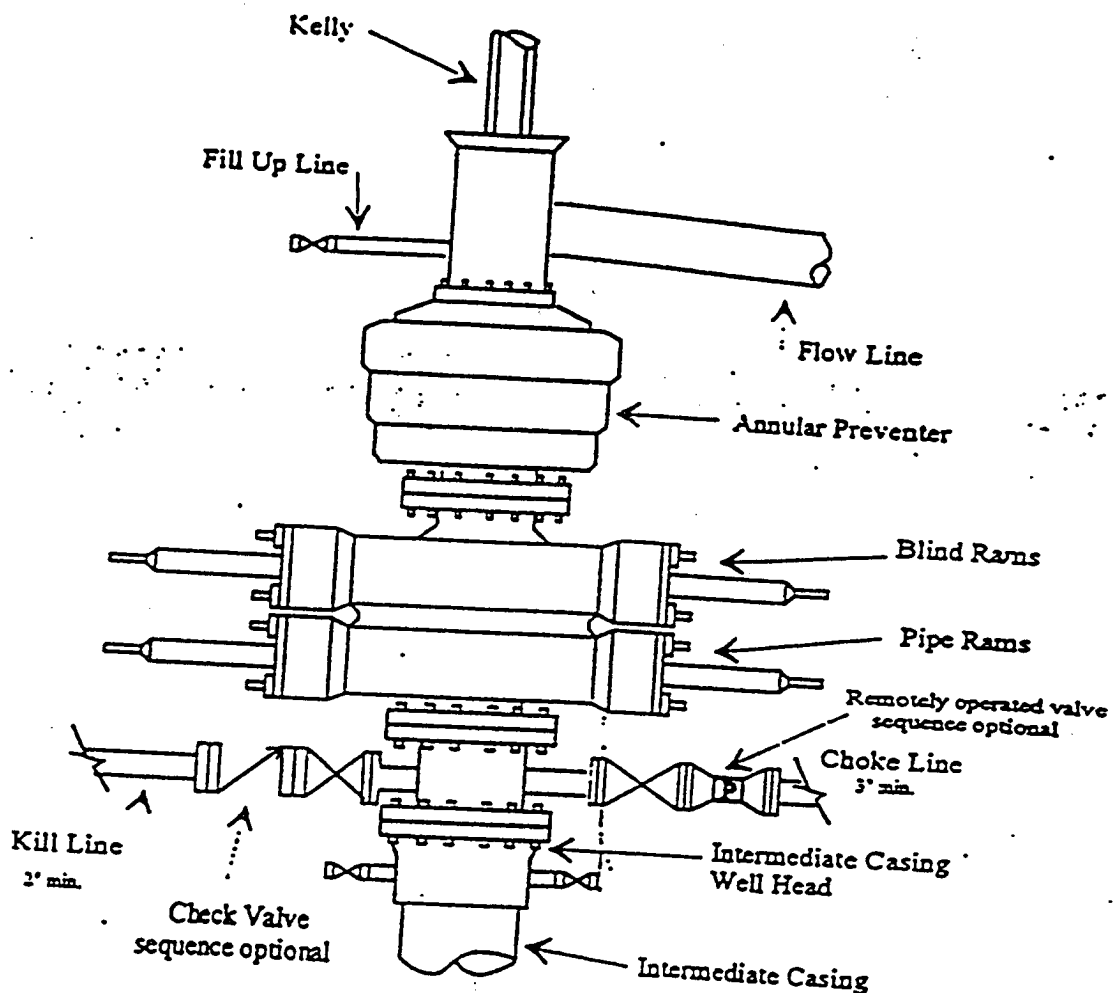
32# 10409' - 11783'

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

