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

RECEIVED
FEB 03 2010
HOBBSOCD

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-101
June 16, 2008

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	2 OGRID Number
PEDERNALES PRODUCTION, LP 6363 WOODWAY DRIVE SUITE 560 HOUSTON, TEXAS 77057	267422
	3 API Number 30-025-39669

4 Property Code	5 Property Name	6 Well No.
38019	UNO STATE	1H

9 Proposed Pool 1	10 Proposed Pool 2
WILDCAT ABO	

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
A	23	14S	34E		330'	NORTH	330'	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
D	23	14S	34E		330'	NORTH	330'	WEST	LEA

Additional Well Information

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
N	O	ROTARY	S	4079'
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
NO	MD-13,200' TVD-	ABO	JW Drilling Co.	WHEN APPROVED

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
2626"	20"	Conductor	40'	Redi-mix	Surface
17½"13/3/8"	13 3/8"	48#	500'	500 Sx	Surface
12¼"	9 5/8"	36#	4600'	1450 Sx	Surface
8 3/4"	7"	26#	9400'	500 Sx.	4200±'
6 1/2"	4½	13.5#	13,200'	will not cement	

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 ATTACHED SHEET FOR DETAIL

Permit Expires 2 Years From Approval Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Joe T. Janica

Printed name: Joe Janica

Title: Permit Eng.

E-mail Address: joejanica@valornet.com

Date: 01/03/10 Phone: 575-391-8503

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: FEB 05 2010 Expiration Date:

Conditions of Approval Attached ☐

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 15, 2009

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-39669	✓	WILDCAT ABO

Property Code	Property Name	Well Number
39019	UNO STATE	1

OGRID No.	Operator Name	Elevation
267422	PEDERNALES PRODUCTION, LP	4079'

Surface Location

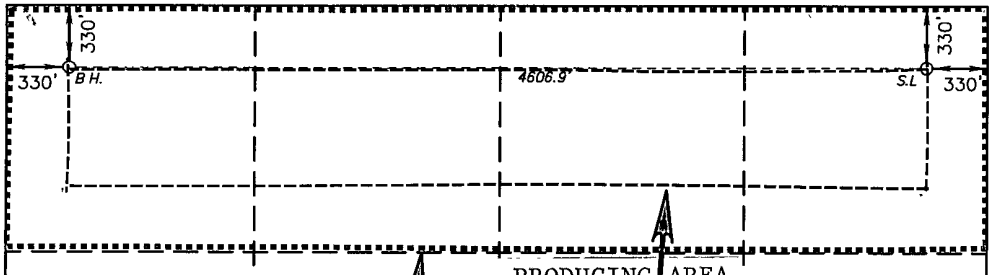
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	14 S	34 E		330	NORTH	330	EAST	LEA

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
D	23	14 S	34 E		330	NORTH	330	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 02/03/10

Joe T. Janica
Printed Name

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 supervison, and that the same is true and correct to the best of my belief.

JANUARY 15, 2010
Date Surveyed

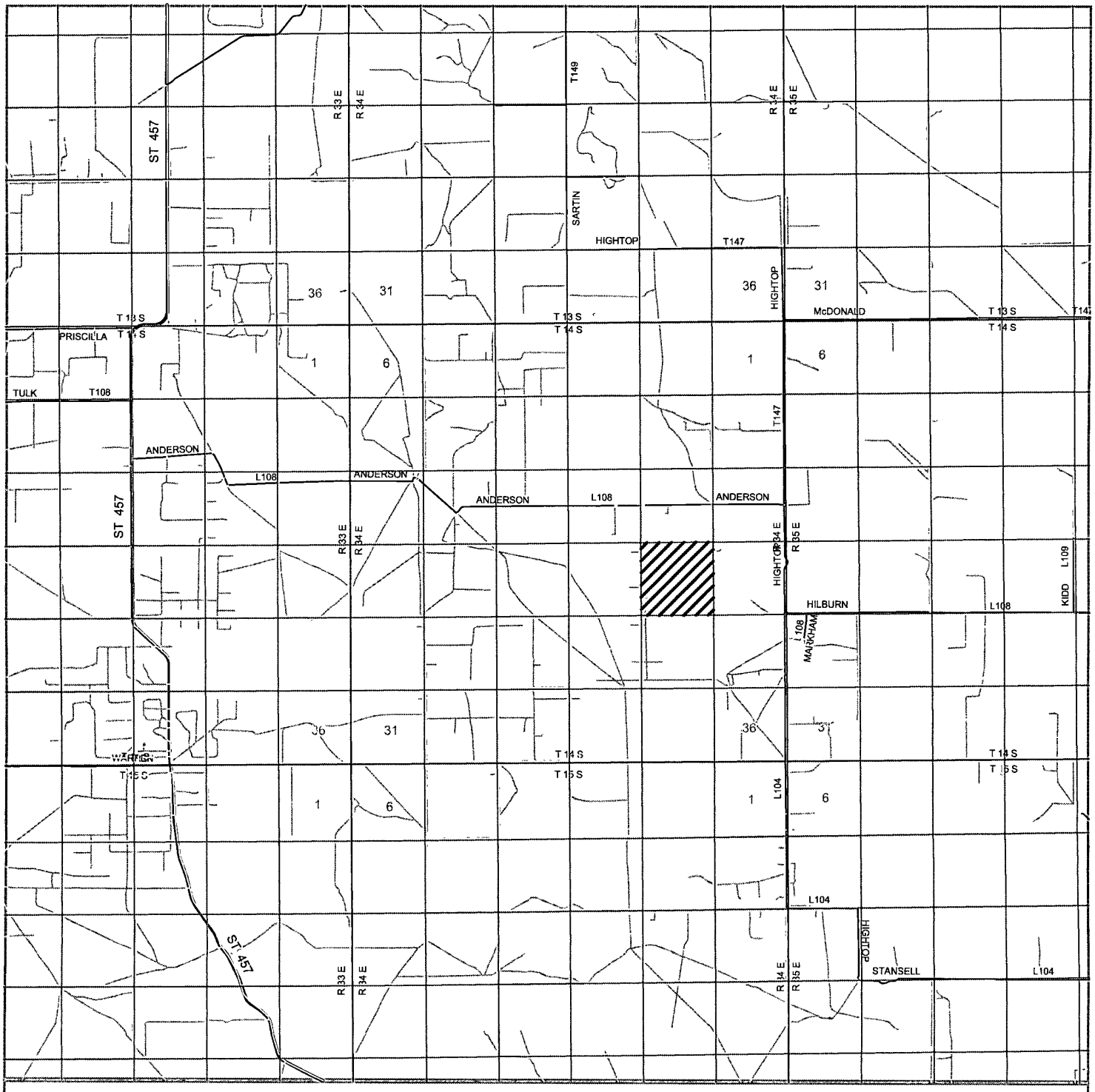
Signature & Seal of Professional Surveyor

W.O. No. 22217

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 500'. Run and set 500' of 13 3/8" 48# H-40 ST&C casing. Cement with 500 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
3. Drill 12¼" hole to 4600'. Run and set 4600' of 9 5/8" 36# K-55 ST&C casing. Cement with 1200 SX. of Class "C" Lite cement + additives, tail in with 250 Sx. of Class "C" cement +2% CaCl, circulate cement to surface.
4. Drill 8 3/4" hole to 10,600'. Run open hole logs from TD back to 9 5/8" casing shoe and Gamma Ray Neutron back to surface. Set a 100' cement plug fron 10,600' back to 10,500', set a cement KO plug from 9500' to 9000', KO point 9074±'. Drill 8 3/4" hole to 9525' MD (9480 TVD). Run and set 9525' of 7" 26# P-110 BT&C AND LT&C casing. Cement with 500 Sx. of Class "H" Premuim Plus cement + 5% Salt, + 0.25#Dispersant. Top of cement 9200'.
5. Drill 6 1/2" hole to 14,011' MD (TVD 9650') Run and set 4810' of 4½" 13.5# P-110 LT&C Liner. Liner hole to be isolated with packers and liner top packer.



UNO STATE #1
Located 330' FNL and 330' FEL
Section 23, Township 14 South, Range 34 East,
N.M.P.M., Lea County, New Mexico.

basin surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

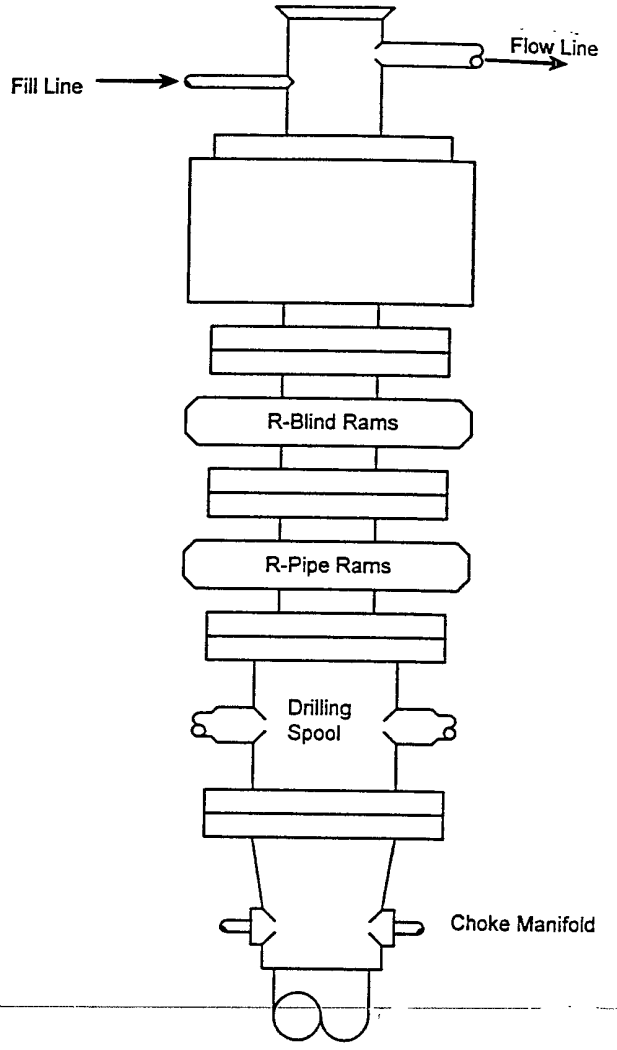
W.O. Number:	JMS 22217
Survey Date:	02-26-2010
Scale:	1" = 2 Miles
Date:	02-27-2008

N

PEDERNALES PRODUCTION, LP

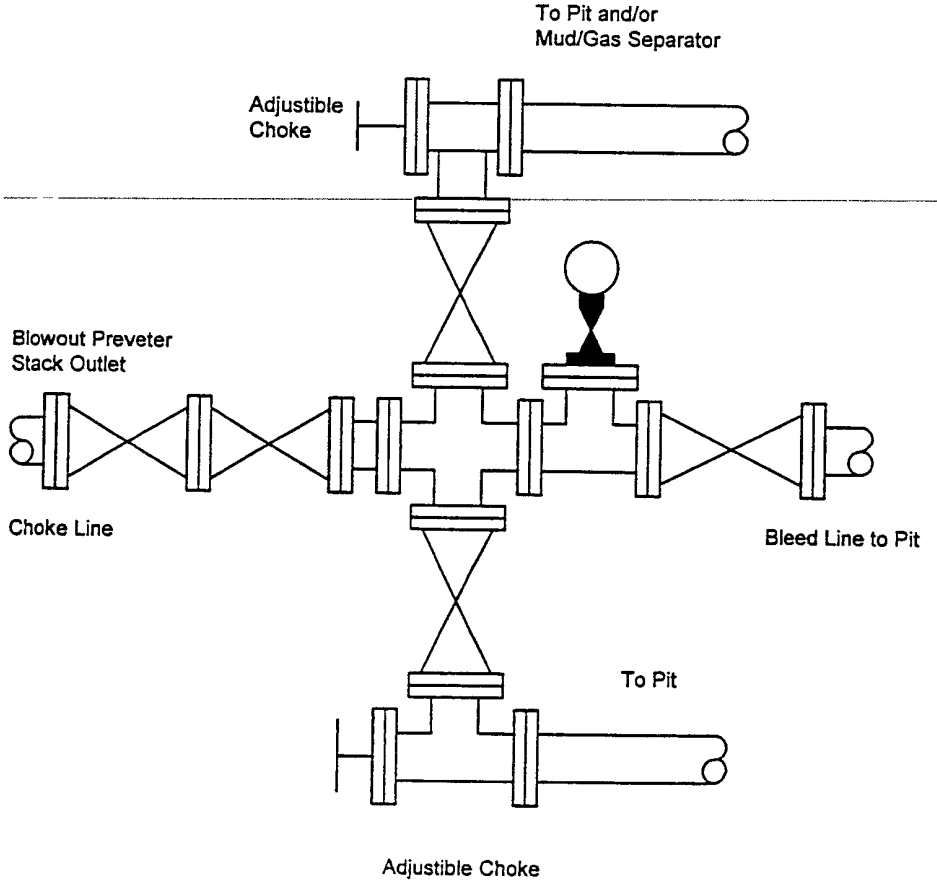
BLOWOUT PREVENTER SYSTEM

5000 PSI



Type 1500 SERIES
5000 psi WP

Choke Manifold Assembly for 5M WP System

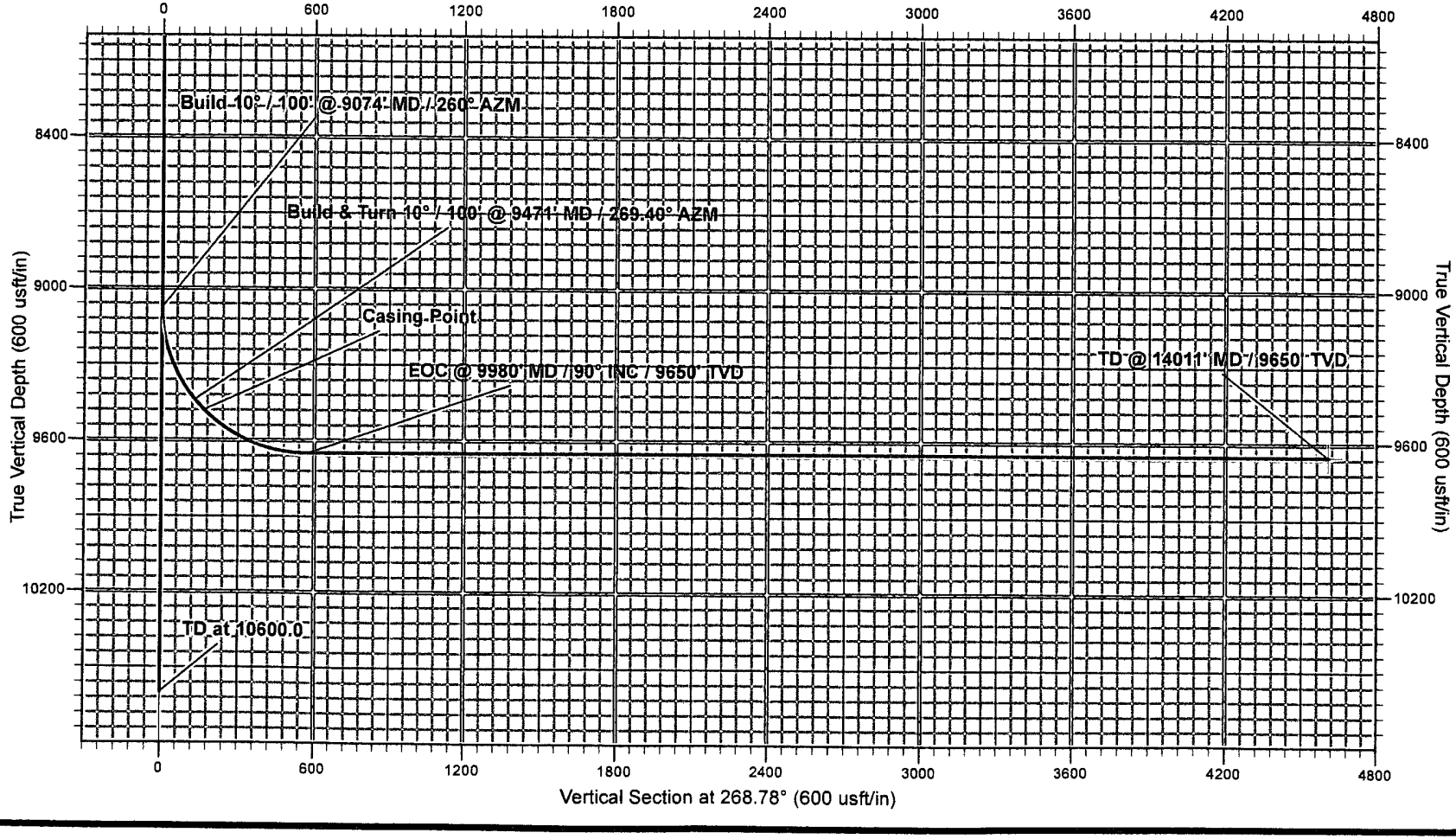


Pedernales Production, LP

Uno State #1

Lea, NM

The DIRECTIONAL DRILLING COMPANY



Pedernales Production, LP

Lea, NM
Sec 23, T14S, R 34E
Uno State #1

Wellbore #1

Plan: Design #1

DDC Well Planning Report

21 January, 2010

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Uno State #1
Company:	Pedernales Production, LP	**TVD Reference:**	WELL @ 0.0usft (Original Well Elev)
Project:	Lea, NM	**MD Reference:**	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 23, T14S, R 34E	**North Reference:**	Grid
Well:	Uno State #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Lea, NM

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Sec 23, T14S, R 34E

Site Position:		**Northing:**	763,716.39 usft	**Latitude:**	33° 5' 47.328 N
From:	Map	**Easting:**	804,512.62 usft	**Longitude:**	103° 28' 26.320 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.47 °

Well Uno State #1

Well Position	**+N/-S**	0.0 usft	**Northing:**	763,716.39 usft	**Latitude:**	33° 5' 47.328 N
	+E/-W	0.0 usft	**Easting:**	804,512.62 usft	**Longitude:**	103° 28' 26.320 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	0.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/21/2010	7.76	61.06	49,349

Design Design #1

Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	268.78

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,074.0	0.00	0.00	9,074.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,471.0	39.70	260.00	9,440.0	-22.9	-130.1	10.00	10.00	0.00	260.00	
9,980.4	90.00	269.40	9,650.0	-56.1	-574.7	10.00	9.88	1.85	12.15	
14,011.1	90.00	269.40	9,650.0	-98.0	-4,605.2	0.00	0.00	0.00	0.00	PBHL Uno State #1

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Uno State #1
Company:	Pedernales Production, LP	**TVD Reference:**	WELL @ 0.0usft (Original Well Elev)
Project:	Lea, NM	**MD Reference:**	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 23, T14S, R 34E	**North Reference:**	Grid
Well:	Uno State #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Build 10° / 100' @ 9074' MD / 260° AZM									
9,074.0	0.00	0.00	9,074.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	2.60	260.00	9,100.0	-0.1	-0.6	0.6	10.00	10.00	0.00
9,200.0	12.60	260.00	9,199.0	-2.4	-13.6	13.6	10.00	10.00	0.00
9,300.0	22.60	260.00	9,294.2	-7.6	-43.3	43.5	10.00	10.00	0.00
9,400.0	32.60	260.00	9,382.7	-15.7	-88.9	89.2	10.00	10.00	0.00
Build & Turn 10° / 100' @ 9471' MD / 269.40° AZM									
9,471.0	39.70	260.00	9,440.0	-22.9	-130.1	130.6	10.00	10.00	0.00
9,500.0	42.54	260.90	9,461.8	-26.1	-148.9	149.4	10.00	9.79	3.11
Casing Point									
9,525.1	45.00	261.61	9,480.0	-28.7	-166.1	166.7	10.00	9.81	2.81
9,600.0	52.37	263.40	9,529.4	-36.0	-221.8	222.5	10.00	9.84	2.39
9,700.0	62.24	265.31	9,583.3	-44.2	-305.5	306.3	10.00	9.87	1.91
9,800.0	72.13	266.90	9,622.1	-50.4	-397.3	398.3	10.00	9.89	1.59
9,900.0	82.04	268.32	9,644.4	-54.5	-494.6	495.6	10.00	9.90	1.42
EOC @ 9980' MD / 90° INC / 9650' TVD									
9,980.4	90.00	269.40	9,650.0	-56.1	-574.7	575.7	10.00	9.91	1.35
10,000.0	90.00	269.40	9,650.0	-56.3	-594.3	595.4	0.00	0.00	0.00
10,100.0	90.00	269.40	9,650.0	-57.3	-694.3	695.4	0.00	0.00	0.00
10,200.0	90.00	269.40	9,650.0	-58.3	-794.3	795.4	0.00	0.00	0.00
10,300.0	90.00	269.40	9,650.0	-59.4	-894.3	895.3	0.00	0.00	0.00
10,400.0	90.00	269.40	9,650.0	-60.4	-994.3	995.3	0.00	0.00	0.00
10,500.0	90.00	269.40	9,650.0	-61.5	-1,094.3	1,095.3	0.00	0.00	0.00
10,600.0	90.00	269.40	9,650.0	-62.5	-1,194.3	1,195.3	0.00	0.00	0.00
10,700.0	90.00	269.40	9,650.0	-63.6	-1,294.3	1,295.3	0.00	0.00	0.00
10,800.0	90.00	269.40	9,650.0	-64.6	-1,394.3	1,395.3	0.00	0.00	0.00
10,900.0	90.00	269.40	9,650.0	-65.6	-1,494.3	1,495.3	0.00	0.00	0.00
11,000.0	90.00	269.40	9,650.0	-66.7	-1,594.2	1,595.3	0.00	0.00	0.00
11,100.0	90.00	269.40	9,650.0	-67.7	-1,694.2	1,695.3	0.00	0.00	0.00
11,200.0	90.00	269.40	9,650.0	-68.8	-1,794.2	1,795.3	0.00	0.00	0.00
11,300.0	90.00	269.40	9,650.0	-69.8	-1,894.2	1,895.3	0.00	0.00	0.00
11,400.0	90.00	269.40	9,650.0	-70.8	-1,994.2	1,995.3	0.00	0.00	0.00
11,500.0	90.00	269.40	9,650.0	-71.9	-2,094.2	2,095.3	0.00	0.00	0.00
11,600.0	90.00	269.40	9,650.0	-72.9	-2,194.2	2,195.3	0.00	0.00	0.00
11,700.0	90.00	269.40	9,650.0	-74.0	-2,294.2	2,295.3	0.00	0.00	0.00
11,800.0	90.00	269.40	9,650.0	-75.0	-2,394.2	2,395.3	0.00	0.00	0.00
11,900.0	90.00	269.40	9,650.0	-76.1	-2,494.2	2,495.3	0.00	0.00	0.00
12,000.0	90.00	269.40	9,650.0	-77.1	-2,594.2	2,595.2	0.00	0.00	0.00
12,100.0	90.00	269.40	9,650.0	-78.1	-2,694.2	2,695.2	0.00	0.00	0.00
12,200.0	90.00	269.40	9,650.0	-79.2	-2,794.2	2,795.2	0.00	0.00	0.00
12,300.0	90.00	269.40	9,650.0	-80.2	-2,894.2	2,895.2	0.00	0.00	0.00
12,400.0	90.00	269.40	9,650.0	-81.3	-2,994.2	2,995.2	0.00	0.00	0.00
12,500.0	90.00	269.40	9,650.0	-82.3	-3,094.2	3,095.2	0.00	0.00	0.00
12,600.0	90.00	269.40	9,650.0	-83.3	-3,194.2	3,195.2	0.00	0.00	0.00
12,700.0	90.00	269.40	9,650.0	-84.4	-3,294.2	3,295.2	0.00	0.00	0.00
12,800.0	90.00	269.40	9,650.0	-85.4	-3,394.2	3,395.2	0.00	0.00	0.00
12,900.0	90.00	269.40	9,650.0	-86.5	-3,494.1	3,495.2	0.00	0.00	0.00
13,000.0	90.00	269.40	9,650.0	-87.5	-3,594.1	3,595.2	0.00	0.00	0.00
13,100.0	90.00	269.40	9,650.0	-88.6	-3,694.1	3,695.2	0.00	0.00	0.00
13,200.0	90.00	269.40	9,650.0	-89.6	-3,794.1	3,795.2	0.00	0.00	0.00
13,300.0	90.00	269.40	9,650.0	-90.6	-3,894.1	3,895.2	0.00	0.00	0.00
13,400.0	90.00	269.40	9,650.0	-91.7	-3,994.1	3,995.2	0.00	0.00	0.00
13,500.0	90.00	269.40	9,650.0	-92.7	-4,094.1	4,095.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Uno State #1
Company:	Pedernales Production, LP	**TVD Reference:**	WELL @ 0.0usft (Original Well Elev)
Project:	Lea, NM	**MD Reference:**	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 23, T14S, R 34E	**North Reference:**	Grid
Well:	Uno State #1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.00	269.40	9,650.0	-93.8	-4,194.1	4,195.2	0.00	0.00	0.00
13,700.0	90.00	269.40	9,650.0	-94.8	-4,294.1	4,295.1	0.00	0.00	0.00
13,800.0	90.00	269.40	9,650.0	-95.8	-4,394.1	4,395.1	0.00	0.00	0.00
13,900.0	90.00	269.40	9,650.0	-96.9	-4,494.1	4,495.1	0.00	0.00	0.00
14,000.0	90.00	269.40	9,650.0	-97.9	-4,594.1	4,595.1	0.00	0.00	0.00
TD @ 14011' MD / 9650' TVD									
14,011.1	90.00	269.40	9,650.0	-98.0	-4,605.2	4,606.3	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Uno State #1 - plan hits target center - Point	0.00	0.00	9,650.0	-98.0	-4,605.2	763,618.35	799,907.40	33° 5' 46.728 N	103° 29' 20.460 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
9,074.0	9,074.0	0.0	0.0	Build 10° / 100' @ 9074' MD / 260° AZM
9,471.0	9,440.0	-22.9	-130.1	Build & Turn 10° / 100' @ 9471' MD / 269.40° AZM
9,525.1	9,480.0	-28.7	-166.1	Casing Point
9,980.4	9,650.0	-56.1	-574.7	EOC @ 9980' MD / 90° INC / 9650' TVD
14,011.1	9,650.0	-98.0	-4,605.2	TD @ 14011' MD / 9650' TVD

Pedernales Production, LP

Uno State #1

Lea, NM