

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

June 16, 2008

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

RECEIVED
Submit to appropriate District Office
DEC 10 2009 ☐ AMENDED REPORT
NMOCD ARTESIA

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

¹ Operator Name and Address Devon Energy Production Company L.P. 20 North Broadway OKC, OK 73102-8260		² OGRID Number 6137
³ Property Code		⁴ API Number 30-015-22367
⁵ Property Name Parkway West Unit		⁶ Well No 5
⁹ Proposed Pool 1 Strawn		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
N	20	19S	29E		660	South	1980	West	Eddy

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 Plugback	¹² Well Type Code Gas	¹³ Cable/Rotary R	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3316' GL
¹⁶ Multiple N	¹⁷ Proposed Depth 11,406' (Actual)	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit <input type="checkbox"/> Liner Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method _____ Closed-Loop System <input checked="" type="checkbox"/> (previously provided) Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

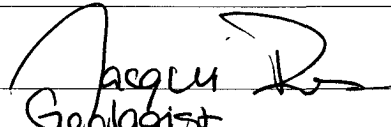
21 Current Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	425'	418	Surface
11"	8 5/8"	24 & 32#	3100'	925	Surface
7 7/8"	5 1/2"	17#	11406'	525	9100' per CBI

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.

Devon proposes to recomplete from the Morrow to the Strawn; see attached procedures:

- Depth to groundwater is 50' or more, but less than 100', distance to surface water is approx 1000' or more, well is not in the wellhead protection area.
- No earthen pit to be constructed, closed loop system to be utilized; Form C-144 CLEZ approved 10/05/2009
- No H2S is expected to be encountered; H2S plan provided 5000 psi Double and Hydri with drilling spool & rotating head to be used
- Completion papers to be filed if a successful test; or subsequent report of work if no economic reserves.
- If it is deemed non-commercial then it will be plugged and abandoned in accordance with the rules and regulations established by the New Mexico OCD.

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 NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name Stephanie A Ysasaga		Approved by 	
Title Sr. Staff Engineering Technician		Title Geologist	
E-mail Address Stephanie.Ysasaga@dmv.com		Approval Date 10/10/09 Expiration Date	
Date 12/10/2009		Conditions of Approval Attached <input type="checkbox"/>	
Phone (405)-552-7802			

Parkway West Unit #5
API #: 30-015-22367
Sec. 20-T19S-R29E; 660' FSL & 1980' FWL
Parkway West Field
Eddy County, NM

GL:	3316'	KB:	3331' (15')
TD:	11,406'	PBTD:	11,317'
Casing:	13-3/8" 48# H-40 STC @ 425' (TOC @ surface)		
	8-5/8" 24# K-55/32# R-55 STC @ 3100' (TOC @ surface)		
	5-1/2" 17# S-95/N-80 BTC @ 11,406' (TOC @ 9100' by CBL)		
Tubing:	2-3/8" 4.7# N-80 EUE 8rd @ 11,165'; no packer		
Perforations:	M. Morrow	11,168'-184'	16' 65 holes
	M. Morrow	11,196'-200'	4' 17 holes

AFE #: 147965

Objective:

TA existing perforations with CIBP. Recomplete uphole to the Strawn.

Procedure:

1. Test safety anchors. MIRU PU. Kill well w/ 2% KCl water. ND tree & NU BOP.
2. TOH w/ 2-3/8" tubing.
3. RU WL. RIH w/ gauge ring & junk basket on WL and tag PBTD. Pull GR-CCL strip from TD to 9500'.
4. RIH w/ CIBP on WL. Set CIBP @ +/- 11,130'. Dump bail 35' cmt. Test CIBP to 1000 psi.
5. RIH w/ 3-1/8" TAG perf guns on WL and correlate to Schlumberger CNFD log dated 1/13/78. Perforate the following Strawn intervals w/ 2 SPF 120° phased:

Strawn Perforations:

Interval	h (ft)	SPF	# holes
10,198' - 208'	10	2	21
10,247.5'	1	2	3
10,272' - 74'	2	2	5
10,280' - 82'	2	2	5
10,291' - 95'	4	2	9
10,311.5'	1	2	3
10,331'	1	2	3
10,337' - 42'	5	2	11
10,355' - 60'	5	2	11
10,376.5'	1	2	3
Total	32		74



6. If well is dead, RD WL. TIH w/ profile nipple, 10' 2-3/8" tubing sub, Arrow-Set packer, & on-off tool on 2-3/8" tubing. Set packer @ \pm 10,130'. Test packer to 1000 psi.
7. ND BOP & NU tree. Swab tubing dry.
8. RU BJ Services. Acidize Strawn perms 10,198' - 10,377' down tubing w/ 2500 gal 15% HCl, 7500 gal gelled 15% HCl, & 65 ball sealers per BJ recommendation (Proposal No. 215854965B). RD BJ Services. Flow back load.
9. Swab well in. Put to production. RDMO.

S. Jones
11/24/2009

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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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22367	² Pool Code	³ Pool Name Strawn
⁴ Property Code	⁵ Property Name Parkway West Unit	⁶ Well Number 5
⁷ OGRID No. 6137	⁸ Operator Name Devon Energy Production Co., L.P.	⁹ Elevation 3327' GR

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
N	20	19S	29E		660	South	1980	West	Eddy

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	¹⁴ Consolidation Code	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.

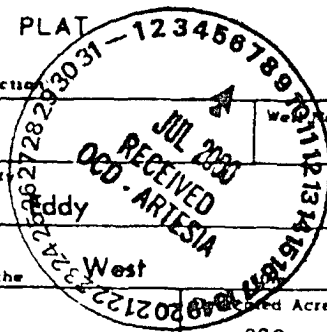
	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right 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.</i> Signature: <i>[Signature]</i> Date: <i>12/09/09</i> Printed Name: Stephanie A. Ysasaga
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey: Signature and Seal of Professional Surveyor: See Original Plat for Surveyor Certification Certificate Number:

MEXICO OIL CONSERVATION COMMISS
WE LOCATION AND ACREAGE DEDICAT. PLAT

Form C-102
Superseded C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator The Petroleum Corp.			Lease Parkway West			Well No. 5
Unit Letter N	Section 20	Township 19 South	Range 29 East	County El Paso	State TEXAS	
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the West line						
Ground Level Elev. 3316.0	Producing Formation Strawn		Pool Strawn	Acreage 320 Acres		

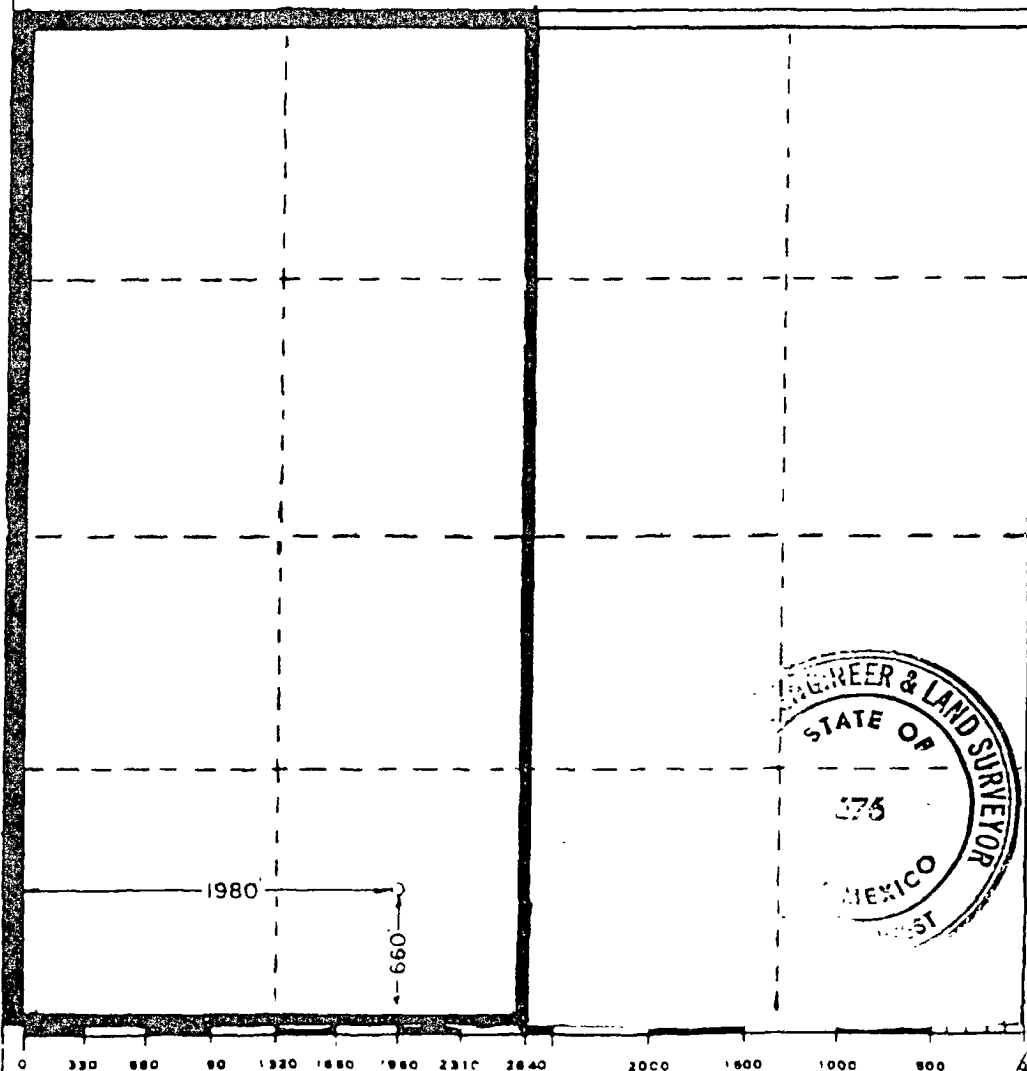


1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Scott M. Webb

Name **Scott M. Webb**
Position **Regulatory Coordinator**

Company **UMC Petroleum Corporation**

Date **7/9/97**

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 knowledge and belief.

Date Surveyed **November 9, 1977**

Registered Professional Engineer and/or Land Surveyor

John J. West

Certificate No **676**