

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 20 N Broadway Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 38281		3. API Number 30-05-64135
5. Property Name OPEN RANGE 34 FEE		6. Well No. 001H

**7. Surface Location**

UL - Lot D	Section 34	Township 11S	Range 29E	Lot Idn D	Feet From 670	N/S Line N	Feet From 670	E/W Line W	County CHAVES
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**8. Pool Information**

WHITE RANCH;MISSISSIPPIAN (GAS)	87320
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**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3789
14. Multiple N	15. Proposed Depth 12200	16. Formation Mississippi Limestone	17. Contractor	18. Spud Date 7/15/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick    Clay <input type="checkbox"/> Pit Volume:      bbls    Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	2180	620	0
Int1	8.75	7	26	7800	840	1680
Prod	6.125	4.5	11.6	12200	0	

**Casing/Cement Program: Additional Comments**

9 5/8 w/620 sx C1 C + 2% CaCl + 1/4 lb/sx Cello Flake. An 8 3/4" pilot hole will be drilled from 2180' to 8805'. The pilot hole will be plugged back from 8805' to 7800' w/480 sx CL H cement. This well will be directionally drilled from 7800' to TD. 7" w/840 sx C1 C + 2% CaCl + 1/4 lb/sx Cello Flake. Mud: 0-2180' cut brine, 8.8-9.5, 32-34, NC water loss. 2180-12200' fresh water, 8.8-9.2, 30-45, NC water loss. 4 1/2" - Peak packer assembly will be used; this liner will not be cemented.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	
Hydril	5000	5000	

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"/> .	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Electronically filed by Randy Bolles	Approved By: Randy Dade	
Title:	Title: District Supervisor	
Email Address: randy.bolles@dvn.com	Approved Date: 8/19/2010	Expiration Date: 8/19/2012
Date: 8/9/2010	Phone: 405-228-8588	Conditions of Approval Attached

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
 1301 W. Grand Ave., Artesia, NM 88210  
 Phone:(505) 748-1283 Fax:(505) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 116689

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-05-64135	2. Pool Code 87320	3. Pool Name WHITE RANCH;MISSISSIPPIAN (GAS)
4. Property Code 38281	5. Property Name OPEN RANGE 34 FEE	6. Well No. 001H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3789

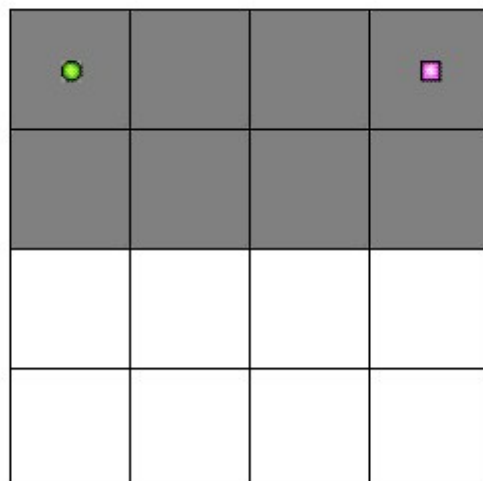
**10. Surface Location**

UL - Lot D	Section 34	Township 11S	Range 29E	Lot Idn	Feet From 670	N/S Line N	Feet From 670	E/W Line W	County CHAVES
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 34	Township 11S	Range 29E	Lot Idn A	Feet From 670	N/S Line N	Feet From 670	E/W Line E	County CHAVES
12. Dedicated Acres 320.00		13. Joint or Infill		14. Consolidation Code			15. 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**



**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(s) 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.*

E-Signed By: Randy Bolles

Title:

Date: 8/9/2010

**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.*

Surveyed By: Filimon Jaramillo

Date of Survey: 6/30/2010

Certificate Number: 132



# Permit Comments

**Operator:** DEVON ENERGY PRODUCTION COMPANY, LP , 6137

**Well:** OPEN RANGE 34 FEE #001H

**API:** 30-05-64135

Created By	Comment	Comment Date
YSASAS	BOP Design: The blow out prevention system will consist of a bag type (Hydril) preventer, a double ram preventer stack, and a rotating head. Both the Hydril and ram stack will be hydraulically operated. Both BOP systems will be rated at 5,000psi. Prior to drilling out the 9 5/8" Surface shoe, the ram stack will be nipples up with 4.5" pipe rams installed. The Hydril will be tested to 1000psi (high) and 250psi (low).	6/30/2010
YSASAS	BOP Design Continued: The ram system will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and hydril, other BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5000 psi WP.	6/30/2010
YSASAS	Depth to groundwater is 50 or more, but less than 100 feet, distance to surface is approximately 1000 feet; well is not in the wellhead protection area.	6/30/2010
YSASAS	No H2S is expected to be encountered. A nearby gas analysis and C-102 will be mailed.	6/30/2010
YSASAS	Form C-144 CLEZ to be mailed; closed loop system to be utilized.	7/27/2010

# Permit Conditions of Approval

**Operator:** DEVON ENERGY PRODUCTION COMPANY, LP , 6137

**Well:** OPEN RANGE 34 FEE #001H

**API:** 30-05-64135

OCD Reviewer	Condition
Artesia	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string