

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 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
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 163619

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
		3. API Number 30-025-41050
4. Property Code 39319	5. Property Name IRONHOUSE 19 STATE COM	6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	19	18S	35E	O	175	S	1810	E	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	19	18S	35E	B	330	N	1980	E	Lea

9. Pool Information

WC-025 G-06 S183518A,BONE SPRING	97930
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3946
16. Multiple N	17. Proposed Depth 14352	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1825	1575	0
Int1	12.25	9.625	40	3200	920	0
Prod	8.75	5.5	17	14352	1300	2700
Prod	8.75	5.5	17	9000	1070	0

Casing/Cement Program: Additional Comments

13-3/8" Surface Lead: 1060 sx Cl C Cmt + 2% bwoc CaCl₂ + 0.125 #/sx Poly-E-Flake + 4% bwoc Bent + 70.1% FW, 13.5 ppg, Yld: 1.75 cf/sx. TOC @ surface. Tail: 515 sx Cl C Cmt + 2% bwoc CaCl₂ + 0.125 #/sx Poly-E-Flake + 63.1% FW, 14.8 ppg, Yld: 1.35 cf/sx. 9-5/8" Intermediate Lead: 560 sx(65:35) Cl C Cmt:Poz (Fly Ash) + 5% bwow CaCL + 0.125 #/sx Poly-E-Flake + 6% bwoc Bent + 70.9% FW, 12.9 ppg, Yld: 1.85 cf/sx. TOC @ surface. Tail: 360 sx Cl C Cmt + 0.125 #/sx Poly-E-Flake + 63.5% W, 14.8 ppg, Yld: 1.33 cf/sx. 5-1/2" Production 1st Stage Lead: 1070 sx(65:35) Cl H Cmt:Poz (Fly Ash) + 6% bwoc Bent + 0.2% bwoc HR-601 + 74.1% FW, 12.5 ppg, Yld: 1.95 cf/sx. Tail: 1300 sx(50:50) Cl H Cmt:Poz (Fly Ash) + 1 #/sx CaCL + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bent + 58.8% FW, 14.5 ppg, Yld: 1.22 cf/sx. TOC @ 2700 ft.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
DoubleRam	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Randy Bolles Title: Manager, Regulatory Affairs Email Address: randy.bolles@dmv.com Date: 3/6/2013	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 3/7/2013 Expiration Date: 3/7/2015 Conditions of Approval Attached
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Form C-102
August 1, 2011
Permit 163619

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41050	2. Pool Code 97930	3. Pool Name WC-025 G-06 S183518A;BONE SPRING
4. Property Code 39319	5. Property Name IRONHOUSE 19 STATE COM	6. Well No. 003H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3946

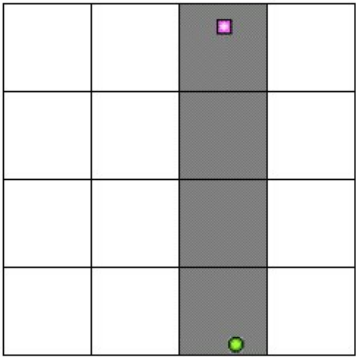
10. Surface Location

UL - Lot O	Section 19	Township 18S	Range 35E	Lot Idn B	Feet From 175	N/S Line S	Feet From 1810	E/W Line E	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 19	Township 18S	Range 35E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1980	E/W Line E	County LEA
12. Dedicated Acres 160.00		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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><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 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.</i></p> <p>E-Signed By: Randy Bolles Title: Manager, Regulatory Affairs Date: 3/6/2013</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><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></p> <p>Surveyed By: Filimon Jaramillo Date of Survey: 2/28/2013 Certificate Number: 12797</p>
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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: IRONHOUSE 19 STATE COM #003H

API: 30-025-41050

Created By	Comment	Comment Date
dcook	The BOP system used to drill the intermediate hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2, a 3M system will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the production hole will consist of a 13-5/8" Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 a 3M system will be installed prior to drilling out the intermediate casing shoe.	3/6/2013
dcook	The pipe rams 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 annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.	3/6/2013
pkautz	Land s/S	3/7/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05862	3/7/2013

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: IRONHOUSE 19 STATE COM #003H

API: 30-025-41050

OCD Reviewer	Condition
pkautz	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
pkautz	In order to seal off protectable water, the surface casing must be set 25' below top of Rustler Anhydrite