

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 164252

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 30-015-41240
4. Property Code 39776	5. Property Name LONE RANGER 33 STATE	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	33	23S	27E	I	1895	S	50	E	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	33	23S	27E	L	1980	S	330	W	Eddy

9. Pool Information

FOREHAND RANCH, BONE SPRING	24660
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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 3111
16. Multiple N	17. Proposed Depth 11996	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	330	320	0
Int1	12.25	9.625	36	2225	680	0
Prod	8.75	5.5	17	11996	1450	1725
Prod	8.75	5.5	17	6500	870	0

Casing/Cement Program: Additional Comments

Pilot Hole - Plug Back 3 Stages. Two 900ft plugs on Bottom, One 600 ft on top. 1st two stages 450 sks. Class H @ 16.4 #/gal ==>0.25% CFR-3 +0.1% HR-800. Top Plug 350 sks Class H @ 17.5#/gal + 0.5% CFR-3 + 0.1% HR-800. 13-3/8" Surface - 300 ft TOC @ surface. Tail: 320 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg. Yield: 1.35 cf/sk. 9-5/8" Intermediate - Lead:320 sacks (65:35) Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg. Yield: 1.85 cf/sk. TOC @ surface. 1000 ft Tail: 360 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg. Yield: 1.33 c. 5-1/2" Production - Lead: 870 sacks (65:35) Class H Cement:Poz (Fly Ash) + 6% bwoc Bentonite + 0.125 lbs/sack Poly-E-Flake + 0.1% bwoc HR-601 + 74.1% Fresh Water, 12.5 ppg. Yield: 1.95 cf/sk. 5500 ft Tail: 1450 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sod

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	
Annular	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 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@dvn.com Date: 4/2/2013	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 4/3/2013 Expiration Date: 4/3/2015 Conditions of Approval Attached
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 164252

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-41240	2. Pool Code 24660	3. Pool Name FOREHAND RANCH, BONE SPRING
4. Property Code 39776	5. Property Name LONE RANGER 33 STATE	6. Well No. 002H
7. OGRID No. 6137	8. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3111

10. Surface Location

UL - Lot I	Section 33	Township 23S	Range 27E	Lot Idn L	Feet From 1895	N/S Line S	Feet From 50	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot L	Section 33	Township 23S	Range 27E	Lot Idn L	Feet From 1980	N/S Line S	Feet From 330	E/W Line W	County EDDY
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

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Permit Comments

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: LONE RANGER 33 STATE #002H

API: 30-015-41240

Created By	Comment	Comment Date
RDELONG	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. The pipe rams will be operated and checked each 24 hour	4/2/2013
RDELONG	An 8-3/4" pilot hole will be drilled to 9,140-ft, and plugged back to KOP with Plug Back in 3 Stages. Stage 1 & 2: Two 900ft plugs on bottom, each plug comprised of 450 sks. Class H @ 16.4 #/gal =+0.25% CFR-3 +0.1% HR-800. Stage 3:600 ft on top comprised of 350 sks Class H @ 17.5#/gal + 0.5% CFR-3 + 0.1% HR-800	4/2/2013
RDELONG		4/2/2013
RDELONG	(BOP Cont'd) 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.	4/2/2013
CSHAPARD	Land s/S	4/3/2013

Permit Conditions of Approval

Operator: DEVON ENERGY PRODUCTION COMPANY, LP , 6137

Well: LONE RANGER 33 STATE #002H

API: 30-015-41240

OCD Reviewer	Condition
CSHAPARD	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