

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-8161 Fax: (505) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Bracos Rd., Aztec, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 479-3470 Fax: (505) 479-3482

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 202559

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

** Amended*

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code 40396		3. API Number 30-015-43027
5. Property Name ARK 36 STATE		6. Well No. 002H

7. Surface Location									
UL - Lot	N	Section	36	Township	22S	Range	31E	Lot Idn	
								Feet From	171
								N/S Line	S
								Feet From	1353
								EW Line	W
								County	Eddy

8. Proposed Bottom Hole Location									
UL - Lot	D	Section	36	Township	22S	Range	31E	Lot Idn	D
								Feet From	330
								N/S Line	N
								Feet From	610
								EW Line	W
								County	Eddy

9. Pool Information	
LIVINGSTON RIDGE, BONE SPRING	39350

Additional Well Information				
11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3354
16. Multiple N	17. Proposed Depth 16257	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 5/15/2015
Depth to Ground water:		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program						
Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	800	260	0
Int1	12.25	9.625	40	4350	1340	0
Int2	8.75	7	29	11915	810	4400
Prod	6.125	4.5	13.5	16257	670	11000

Casing/Cement Program: Additional Comments
4.5" = LINER 7" Int Two Stage Option: 460 sxs, 11.9 Wt. lb/gal, 12.89 H2O gal/sx, 2.31 Yld ft3/sx - Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000 320 sxs, 14.5 Wt. lb/gal, 5.31 H2O gal/sx, 1.2 Yld ft3/sx, 25 - 500# Comp. Strength (Hrs) - Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite DV Tool = 4400ft: 70 sxs, 14.8 Wt. lb/gal, 6.32 H2O gal/sx, 1.33 Yld ft3/sx, 6 - 500# Comp. Strength (Hrs) SEE DRILLING PLAN AND DIRECTIONAL PLAN FOR ADDITIONAL DETAILS.

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	5000	5000	
Annular	5000	5000	
Double Ram	5000	5000	
Annular	5000	5000	
Double Ram	5000	5000	

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable.		OIL CONSERVATION DIVISION	
Signature:		Approved By: Randy Dade	
Printed Name: Electronically filed by Randy Bolles		Title: District Supervisor	
Title: Manager, Regulatory Affairs		Approved Date: 4/9/2015	
Email Address: randy.bolles@dmv.com		Expiration Date: 4/8/2017	
Date: 4/8/2015	Phone: 405-228-8588	Conditions of Approval Attached <i>X</i>	

District I
1825 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 Fax:(575) 393-0720

District II
811 G. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-0720

District III
1090 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-9178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3452

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 202559

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-43027	2. Pool Code 39350	3. Pool Name LIVINGSTON RIDGE:BONE SPRING
4. Property Code 40396	5. Property Name ARK 36 STATE	8. Well No. 002H
7. DGRID No. 6137	6. Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	9. Elevation 3354

10. Surface Location

UL - Lot N	Section 36	Township 22S	Range 31E	Lot Idn	Feet From 171	N/S Line S	Feet From 1353	E/W Line W	County Eddy
---------------	---------------	-----------------	--------------	---------	------------------	---------------	-------------------	---------------	----------------

11. Bottom Hole Location If Different From Surface

UL - Lot N	Section 36	Township 22S	Range 31E	Lot Idn	Feet From 330	N/S Line N	Feet From 610	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

	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 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>	
	E-Signed By: Randy Bolles Title: Manager, Regulatory Affairs Date: 4/8/2015	
	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>	
	Surveyed By: FRANK JARAMILLO Date of Survey: 3/16/2015 Certificate Number: 12797	

District I
 1825 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-8181 Fax: (575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-0720

District III
 1600 Rio Bracos Rd., Aztec, NM 87410
 Phone: (505) 334-8173 Fax: (505) 334-8170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone: (505) 478-3470 Fax: (505) 478-3462

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

Form APD Comments
 Permit 202559

PERMIT COMMENTS

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102		API Number: 30-015-43027
		Well: ARK 36 STATE #002H
Created By	Comment	Comment Date
Igood	C-102 & PLATS. DRILLING PLAN AND DIRECTIONAL PLAN BEING SENT FED-EX OVERNIGHT.	4/8/2015

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-8181 Fax: (575) 393-0720
District II
811 E. First St., Artesia, NM 88210
Phone: (575) 748-1289 Fax: (575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3470 Fax: (505) 478-3482

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

Form APD Conditions

Permit 262559

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: DEVON ENERGY PRODUCTION COMPANY, LP [6137] 333 W. Sheridan Avenue Oklahoma City, OK 73102	API Number: 30-015-43027
	Well: ARK 36 STATE #002H
OCD Reviewer	Condition

Permit Conditions of Approval

API: 30-015-43027

OCD Reviewer	Condition
	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