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

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

District IV

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 201800

	ON ENERGY PR		MPANY, LP							2. OGF	RID Number 6137		
	W. Sheridan Ave homa City, OK 7									3. API	Number 30-025-42486	;	
4. Property Code 3088			5. Property Nam THI:	e STLE UNIT						6. Well	072H		
					7.	Surface	Location						
UL - Lot O	Section 27	Township 23	Rang 3S	e 33E	Lot Idn	F	eet From 330	N/S Line	Feet From	2630	E/W Line	County	Lea
					8. Propose	ed Botto	m Hole Locati	on					
UL - Lot B	Section 27	Township 23	Range	33E	Lot Idn	В	eet From 330	N/S Line	Feet From N	2630	E/W Line	County	Lea
					9.	Pool Int	formation						
TRIPLE X;BO	NE SPRING				14.7	• 1 - 1 - 1 - 1 - 1	de de constitui				59900		
					Additio	onal We	II Information						
11. Work Type New	Well	12. Well Type OIL		13. Cable/Ro	otary			14. Leas	se Type State	15. Gro	ound Level Elevation 3667		
16. Multiple 17. Proposed Depth N 15698			18. Formation 2nd Bone Spring Sand			19. Con	19. Contractor 20. Spud I		pud Date 5/24/2015				
Depth to Ground	water			Distance from	n nearest fresh	water wel	L	2.00		Distanc	ce 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/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1405	1230	0
Int1	12.25	9.625	40	5250	1530	0
Prod	8.75	7	29	11657	810	4750
Liner1	6.125	4.5	13.5	15698	660	10752

Casing/Cement Program: Additional Comments

13-3/8" Surface: Lead w/680sx (65:35) CI C Cmt: Poz (Fly Ash): 6% BWOC Bent + 5% BWOW NaCL + 0.125 #/sx Poly-E-Flake, 12.9 ppg, H2O: 9.81 gal/sx, Yld. 1.85 cf/sx; Tail w/550sx CI C Cmt + 0.125 #/sx Poly-E-Flake, 14.8 ppg, H2O: 6.32 gal/sx, Yld. 1.33 cf/sx. TOC @ surface. 9-5/8" Intermediate: Lead w/1100sx (65:35) CI C Cmt: Poz (Fly Ash): 6% BWOC Bent + 5% BWOW NaCL + 0.125 #/sx Poly-E-Flake, 12.9 ppg, H2O: 9.81 gal/sx, Yld. 1.85 cf/sx; Tail w/430sx CI C Cmt + 0.125 #/sx Poly-E-Flake, 14.8 ppg, H2O: 6.32 gal/sx, Yld. 1.33 cf/sx. TOC @ surface. 7" Inter. Two Stage: Lead w/360sx (50:50) CI H Cmt: Poz (Fly Ash) + 10% BWOC Bent+ 1 #/sx of Kol-Seal + 0.3% BWOC HR-601 + 0.5 #/sx D-Air 5000, 11.9 ppg, H2O: 12.89 gal/sx, Yld. 2.31 cf/sx; See comments section for continued cement program.

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	33.00.00.00
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. Signature:				OIL CONSERVA	ATION DIVISION
Printed Name:	Electronically filed by Randy Bolle	8	Approved By:	Paul Kautz	
Title:	Title: Manager, Regulatory Affairs			Geologist	
Email Address:	randy.bolles@dvn.com	# # To the Total Reservation	Approved Date:	3/24/2015	Expiration Date: 3/24/2017
Date:	3/24/2015	Conditions of Appr	roval 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-42486	59900	TRIPLE X;BONE SPRING
4. Property Code	5. Property Name	6. Well No.
30884	THISTLE UNIT	072H
7. OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY I P	9. Elevation 3667

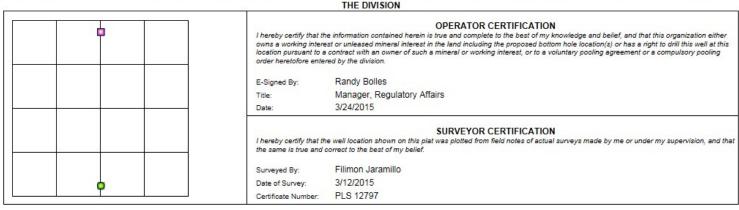
10. Surface Location

				IV. Juli	acc Location				
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
0	27	23S	33E		330	S	2630	E	Lea

11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 27	Township 23S	Range 33E	Lot Idn	Feet From 330	N/S Line N	Feet From 2630	E/W Line	County Lea
12. Dedicated Acre 160.00			13. Joint or Infill	80	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



Form APD Comments

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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

Permit 201800

PERMIT COMMENTS

Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137]	30-025-42486
333 W. Sheridan Avenue	Well:
Oklahoma City, OK 73102	THISTLE UNIT #072H

Created By	Comment	Comment Date
dcook	7" Inter. Two Stage Continued: Tail w/320sx (50:50) CI H Cmt: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bent, 14.5 ppg, H2O: 5.31 gal/sx, Yld. 1.2 cf/sx. DV Tool @ 5300 ft. Tail w/130sx CI C Cmt + 0.125 #/sx Poly-E-Flake, 14.8 ppg, H2O: 6.32 gal/sx, Yld. 1.33 cf/sx. TOC @ 4,750ft.	3/24/2015
dcook	4-1/2" Liner: Pump 660sx (50:50) CI H Cmt: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bent, 14.5 ppg, H2O: 5.31 gal/sx, Yld. 1.2 cf/sx. TOC @ 10,752ft.	3/24/2015
dcook	DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.	3/24/2015
dcook	BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.	3/24/2015
dcook	Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.	3/24/2015
dcook	Devon proposes using a multi-bowl wellhead assembly (FMC Uni-head). This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.	3/24/2015

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Permit 201800

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
DEVON ENERGY PRODUCTION COMPANY, LP [6137]	30-025-42486
333 W. Sheridan Avenue	Well:
Oklahoma City, OK 73102	THISTLE UNIT #072H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Will require a administrative order for non-standard location prior to placing the well on production.
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	3) PRODUCTION CASING - Cement must tie back into intermediate1 casing - 4) Liner - Cement must tie back into production casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	
pkautz	1) SURFACE & INTERNEMIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing