	i				•				
<u>District I</u> 1625 N French Dr., I Phone (575) 393-616	,	HOE	85000	State	of New Me	xico			Form C-10 Revised August 1, 201
District II 811 S First St, Artes Phone (575) 748-128	20 JUL 1	JUL 1 2 2012 Oil Cons			als and Natural Resources				
District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone (505) 334-6178 Fax (505) 334-6170			æ 2012	1220 Sou	uth St. Fran	cis Dr.			
Phone (503) 334-817 <u>District IV</u> 1220 S St Francis D Phone (505) 476-346	r , Santa Fe, NM 875	RECE	ived	Santa	1 Fe, NM 87	505			
APPI	LICATIO	N FOR PERM		RILL, RF	E-ENTER	, DEEPF	EN, PLUGB	ACK, O	R ADD A ZONE
	DEVON I	ENERGY PRODU		MPANY. L	.Р.		6137	4	
4 Droports	333 W. SH	IERIDAN, OKLA	HOMA CIT	Y, OK. 731	102		30-0	'API Num) <u>35</u> -4	$\frac{10081}{10081}$
393	29		PENI	VYPACKEI	R 17 STATE	3			1H
	- (• • • • • • • • • • • • • • • • • • •		⁷ Surfac	ce Locatio	n			
UL - Lot O	Section Town 17 21		Lot Idn	Feet fi 33		/S Line S	Feet From 1980	E/W Line E	County LEA
		າ ຄ	· 1	⁸ Pool I	nformatio	n			
[-		/		BERY	BON	ESPRIK	16, 500	76660
⁹ Work T	ype	¹⁰ Well Type		11tional V 11 Cable/F	Vell Infor		Lease Type	13	Ground Level Elevation
N		0		<u>R</u>			S		3756.1'
¹⁴ Multi No	-	¹⁵ Proposed Depth TVD: 10885 MD:	1	¹⁶ Forma Bone S				¹⁸ Spud Date	
Depth to Ground		Dist	ance from near		well 1.25 mil			to nearest surf	ace water 5 miles
		1	⁹ Propose	d Casing	and Cem	ent Prog	ram		
Туре	Hole Size	Casing Size	Casing	Weight/ft	Settin	g Depth	Sacks of C	Cement	Estimated TOC
····	17 1/2"	13.3/8"		4.5#		950			Surface
<u></u>	<u>12.1/4"</u> 8.3/4"	<u>9 5/8"</u> 5 1/2"		1 <u>0#</u> 7#) <u>00</u> 300	171		Surface 5450'
	<u>8 1/4</u> "	5 1/2"	1	7# 7#		304			
	1			- 4 D					
		Casi	ng/Ceme	nt Progra	ım: Addit	ional Co	mments	······	<u></u>
See attached	Drilling Plan	, Horizontal Plan &	è BOP						
	· · · · · · · ·	··· · · · · · · · · · ·	Proposed	l Blowout	t Preventi	on Progr	am		·····
	Туре		Working Pres	sure	Test Pressure		Manufacturer		
13 5/8"Trip	le Ram 2FZ3	35-35	3,000#		3,000#		Shaffer		
of my knowledg further certify	e and belief. y that the drilli lines a gen	tion given above is truing pit will be construeral permit , or an <u>ed Lo</u> op.	cted accordin	ig to	Approved By		DNSERVAT	ION DIV	/ISION
Printed name B	arry W Hunt	Bam W.	Hax	¢	Title.	ANOLEI,	INI ENGAVES	R	
Title: Permit Agent					Approved Da	HUL 1	3 2012 E	xpiration Date	
-mail Address	specialtpermitt	ing@gmail.com				<u></u>	, <u> </u>		
Date: 07/10/12		Phone (575) 2	361-4078		Conditions of	Approval Atta	ached	<u></u>	
· · · · · · · · · · · · · · · · · · ·		,		L		· · · · · · · · · · · · · · · · · · ·			

DISTRUCT I 1623 N Franck Zv. Holdes, VM 88740 Press: (725) 305-6161 Fast (725) 737-7270 DISTRUCT II 811 S Frans X. Ansis, NM 88100 Phone: (737) 744-126 Fast (737) 746-7270 DISTRUCT III 1000 Res Brans R-L. Astes, VM 87101 Phone: (337) 244-178 Az (553) 254-6170 DISTRUCT IV 1220 J Si, Franck DL, Astes, VM 87105 Phone: (357) 307-3440 Pixc (550) 476-462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-0â	PI Number 5-4(1681	<i>9</i>	Pool Code	7 /3	ERRY;	LONE	SPRING,	SOUTH	
Property Code				DEN	Property Name NYPACKER 17		Well Number			
00RID No.					1H Elevation					
6137			DEVO	Operator Name DEVON ENERGY PRODUCTION COMPANY, LP.					3756.1'	
	Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
. 0	17	21 S	34 E		330	SOUTH	1980	EAST	LEA	
			Bott	om Hole I	ocation If Diffe	erent From Surfac	e		<u></u>	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
В	17	21 S	34 E		330	NORTH	1980	EAST	LEA	
Dedicated Acres	Joint or	Infill	Consolidated Coc	le 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.

NW COR SEC 17 NMSP-E (NAD 83) Y = 541571.2 N X = 798113.6 F LAT,= N32*25'05 91" LONG.= W103* 30'02 05"	PENNYPACKER 17 STATE - 1H BHL NMSP-E (NAD 83) Y = 541279.9' N X = 801416.7' E LAT.= N32* 28' 06.77* LONG.= W103* 29' 23.56"		330'	NE COR SEC 17 NMSP-E (NAD 83) Y = 541632.8'N X = 803304.7'E LAT.= N32' 29' 10.11" LONG.= W103" 29' 00.43"	contract with an owner of such a minoral or working interest, or to voluntary pooling
					Day W. H. 7/10/12 Signature Print Name E-mail Address
	/	/			SURVEYORS 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 tha same is true and correct to the best of my belief MAY 29, 2012 Date of Survey
	PENNYPACKER 17	/		SE COR SEC 17 NMSP-E (NAD 83) Y = 536350 0 N X = 803440 5 E	
SW COR SEC 17 NMSP-E (NAD 83) Y = 536294.6' N X = 798156 2' E LAT = N32" 26' 17.70" LONG = W103" 30' 02.07"	STATE - 1H SHL NMSP-E (NAD 83) Y = 53660.4 'N X = 801457.7' E LAT.= N32' 28' 21.06" LONG.= W103" 29' 23.50"		330'	LAT.= N32* 28' 17 83" LONG.= W103* 29' 00.39" 1980'	Job No.: WTC48541 JAMES E. TOMPKINS 14729 Certificate Number

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Pennypacker 17 State 1H Drilling Plan

1. Casing and Cementing Plan Summary

The surface fresh water sands will be protected by setting 13.375" casing at 1,950' and circulating cement back to surface. The fresh water sands will be protected by setting 9.625" casing at 6,000' and circulating cement to surface. The Delaware intervals will be isolated by setting 5-1/2" casing to total depth of 15,304' and circulating cement above the base of the 9-5/8" casing. All casing is new and API approved.

2. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight	Collar	Grade
17.5"	0 - 1,950'	13.375"	0-1,950'	54.5#	STC	J-55
12.25"	1,950' - 6,000'	9.625"	0 - 6,000'	40#	BTC	HCK-55
8.75"	6,000' - 10,300'	5.5"	0 - 10,300'	17#	LTC	P-110HC
8.75"	10,300' - 15,304'	5.5"	10,300' - 15,304'	17#	BTC	P-110HC

A pilot hole will be drilled to 12020' and plugged back with the following slurry:

Tail: 770 sacks Class H Cement + 0.4% bwoc CFR-3 + 0 1% bwoc HR-601 + 60.3% Water, 15.6 ppg Yield: 1.19 cf/sk TOC @ 10250 ft

3. Design Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13.375"	1.24	2.99	9.11
9.625"	1.37	1.27	3.86
5.5" LTC	1.77	2.20	1.71
5.5" BTC	1.68	2.09	6.75

4. Cementing Program (cement volumes based on at least 25% excess)

13-3/8" Surface	Lead: 1240 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 4% bwoc Bentonite + 70.1% Fresh Water, 13.5 ppg
	Yield: 1.75 cf/sk
	TOC @ surface
	Tail: 430 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: 1290 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
	Tail: 425 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg
	Yield: 1.33 cf/sk
Pilot Hole	Tail: 770 sacks Class H Cement + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 60.3% Water, 15.6 ppg
	Yield: 1.19 cf/sk
	TOC @ 10250 ft

Drilling Program / Surface Use Plan Discipline-Specific Input Form

5-1/2" Production	<u>1st Stage</u> Lead: 460 sacks (65:35) Class H Cement:Poz (Fly Ash) + 6% bwoc Bentonite + 0.2% bwoc HR-601 + 74.1% Fresh Water, 12.5 ppg
	Yield: 1.95 cf/sk
	Tail. 1285 sacks (50.50) Class H Cement.Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0 5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58 8% Fresh Water, 14.5 ppg
	Yield: 1.22 cf/sk
	DV TOOL at 8000 ft
	2 nd Stage Lead: 185 sacks Class C Cement + 3% bwoc Econolite + 0.125 lbs/sack Poly-E-Flake + 82 4% Fresh Water, 11.4 ppg
	Yield [,] 2 87 cf/sk
	Tail: 285 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water, 14.8 ppg
	Yield 1.33cf/sk
	TOC @ 5450 ft
<u>TOC for All Strings</u> : Surface [.] Intermediate: Production [.]	0 0 5450 ft

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.

5. Pressure Control Equipment

BOP DESIGN: The BOP system used to drill the intermediate and production holes will consist of a 13-5/8 " 3M Triple Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the prior casing shoe.

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 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

Depth Range	Mud Weight	Viscosity	Fluid Loss	Type System
0 - 1,950'	8.4-9.0	28-34	NC	Fresh Water
1,950' - 6,000'	9.8-10.2	28-32	NC	Brine
6,000' - 15,304'	8.6-9.0	28-32	NC-12	Fresh Water

6. Proposed Mud Circulation System:

The necessary mud products for weight addition and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13.375" casing shoe until the 5.5" casing is cemented. Breathing equipment will be on location upon drilling the 13.375" shoe until total depth is reached.

8. Potential Hazards:

No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP of 3,600 psi and estimated BHT 145°. No H2S is anticipated to be encountered.

9. Anticipated Starting Date and Duration of Operations:

a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon as a rig becomes available following BLM approval. Move in operations and drilling is expected to take 32 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.

10. Location and Types of Water Supply:

This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads shown in the C-102. On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In these cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.

11. Methods of Handling Waste Material:

- a. Drill cuttings will be disposed of in a closed loop system.
- b. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier will pick up salts remaining, including broken sacks, after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- e. Remaining drilling fluids will be sent to a closed loop system.
- f. Disposal of fluids to be transported by the following companies:
 - i. American Production Service Inc, Odessa TX
 - ii. Gandy Corporation, Lovington NM
 - iii. I & W Inc, Loco Hill NM
 - iv. Jims Water Service of Co Inc, Denver CO

