Submit 1 Copy To Appropriate District	A since of New Mexico	Form C-103
Office HOBBS	oconte of New Mexico rgy, Minerals and Natural Resources	Revised August 1, 2011
1625 N French Dr. Hobbe NM 88740	L2005	WELL API NO. 30-025-42486
811 S. First St., Artesia, NM 88210 MAT UL District III – (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410		STATE - FEE
<u>District IV</u> (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505		6. State Oil & Gas Lease No.
SUNDRY NOTICES ANI		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO D DIFFERENT RESERVOIR. USE "APPLICATION FO		THISTLE UNIT -
PROPOSALS.) 1. Type of Well: Oil Well Gas Well	Other	8. Well Number 72H
2. Name of Operator	/	9. OGRID Number
Devon Energy Production Company, L.P. 3. Address of Operator		10. Pool name or Wildcat
333 West Sheridan Ave. Oklahoma City, Ol	klahoma 73102-5010 (405) 552-7848	TRIPLE X; BONE SPRING (59900)
4. Well Location		
Unit Letter_O:330 Section 27		2630 feet from the E line
	Township 23S Range 33E ration (Show whether DR, RKB, RT, GR, etc.	NMPM Lea County New Mexico
3667'		
12. Check Appropri	ate Box to Indicate Nature of Notice	, Report or Other Data
NOTICE OF INTENTION		BSEQUENT REPORT OF:
	ND ABANDON 🗌 REMEDIAL WOR	
	— 1	
OTHER:	OTHER:	
		nd give pertinent dates, including estimated da
proposed completion or recompletion	RULE 19.15.7.14 NMAC. For Multiple Co.	Simpletions: Attach wellbore diagram of
Devon Energy Production Co., L.P. respec	tfully requests approval to change the a	pproved APD as follows:
• Change the casing design from a 7	" intermediate and 4.5" liner to a 7" X	5.5" combination production string.
Cement volumes and Safety Facto	rs have been updated.	
See attached revised Drill Plan.		
hereby certify that the information above is the	rue and complete to the best of my knowled	ge and belief.
SIGNATURE	TITLE_Regulatory Specialist	DATE5/7/2015
Type or print name David H. Cook	E-mail address: _david.cook@dv	
For State Use Only		
APPROVED BY:	TITLE Petroleum Engine	DATE 04/13/14
Conditions of Approval (Hany):		

MAY	1	3	2015
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1. Geologic Formations

TVD of target	11,325'	Pilot hole depth	N/A
MD at TD:	15,698'	Deepest expected fresh water:	85'

Basin

		Water/Mineral Bearing/	
	from KB	Target Zone?	
Rustler	1,380	Barren	
Top of Salt	1,652	Barren	
Base of Salt	5,030	Barren	
Delaware	5,290	Oil	
Cherry Canyon	6,265	Oil	
Brushy Canyon	7,575	Oil	
Lower Brushy	9,003	Oil	
1 st Bone Spring Lime	9,175	Oil	
2 nd Bone Spring Lime	10,530	Oil	
3 rd Bone Spring Lime	11,500	Oil	
*UDC flamme la co		· · · · · · · · · · · · · · · · · · ·	<u></u>

*H2S, water flows, loss of circulation, abnormal pressures, etc.

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Hole Size	Casing	Interval	Csg.	Weight	Grade	Conn	SF	SFBurst	SF
	From	То	Size	(lbs)			Collapse		Tension
17.5"	0	1,405'	13.375"	48	H-40	STC	1.15	2.57	8.02
12.25"	0	5,250'	9.625"	40	HCK-55	BTC	1.14	1.06	4.41
8.75"	0	10,752	7"	29	P-110	BTC	1.68	2.05	2.91
8.75"	10,752'	15,698'	5.5"	17	P-110	BTC	1.52	1.94	2.95
				BLM Min	imum Safet	y Factor	1.125	1.00	1.6 Dry
									1.8 Wet

2. Casing Program

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N			
Is casing new? If used, attach certification as required in Onshore Order #1	Y			
Does casing meet API specifications? If no, attach casing specification sheet.				
Is premium or uncommon casing planned? If yes attach casing specification sheet.				
Does the above casing design meet or exceed BLM's minimum standards? If not provide	Y			
justification (loading assumptions, casing design criteria).				
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching	Y			
the collapse pressure rating of the casing?				
	Second Street, 2			
Is well located within Capitan Reef?	N			
If yes, does production casing cement tie back a minimum of 50' above the Reef?				
Is well within the designated 4 string boundary.				
	Santani ang			
Is well located in SOPA but not in R-111-P?	N			
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back				
500' into previous casing?				
Is well located in R-111-P and SOPA?	N			
If yes, are the first three strings cemented to surface?				
Is 2 nd string set 100' to 600' below the base of salt?				
Is well located in high Cave/Karst?	N			
If yes, are there two strings cemented to surface?				
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?				
Is well located in critical Cave/Karst?	N			
	1N			
If yes, are there three strings cemented to surface?	<u> </u>			

3. Cementing Program

Casing	# Sks	Wt. .lb/ gal	H20 gal/sk	Yld ft3/ sack	500# Comp. Strength (hours)	Slurry Description
13-3/8″ Surface	680	12.9	9.81	1.85	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 Ibs/sack Poly-E-Flake
	550	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
9-5/8" Inter.	1100	12.9	9.81	1.85	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 Ibs/sack Poly-E-Flake
	430	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
7 x 5-	340	10.4	16.9	3.32	16	Lead: Tuned Light [®] + 0.125 lb/sk Pol-E-Flake
1/2" Combo Prod.	1290	14.5	5.31	1.22	25	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 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.

Casing String	TOC	*% Excess
13-3/8" Surface	0'	100%
9-5/8" Intermediate	0'	75%
7 x 5-1/2" Production Casing	4750′	25%

4. Pressure Control Equipment

N A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре			Tested to:
			An	nular	x	50% of working pressure
		e	Blin	d Ram		
12-1/4"	13-5/8"	3M	Pipe	e Ram		3M
			Doub	le Ram	x	5171
			Other*			
			An	nular	x	50% testing pressure
		314	3M	Blind Ram		
8-3/4"	13-5/8"			3-5/8" 3M	Pipe	e Ram
0.5/1	15*5/0	5141	Doub	le Ram	x	3M
			Other *			
			Annular			50% testing pressure
			Blind Ram			
			Pipe Ram			
			Double Ram			
			Other			
			*			

*Specify if additional ram is utilized.

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.

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. See attached schematics.

Y	7	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.					
3	r	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.					
Y	7	YAre anchors required by manufacturer?A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.					

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. Wellhead will be installed by FMC's representatives. If the welding is performed by a third party, the FMC's representative will monitor • the temperature to verify that it does not exceed the maximum temperature of the seal. FMC representative will install the test plug for the initial BOP test. • FMC will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the packoff and the lower flange will be tested to 5M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted. • Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating. • Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2. After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the FMC Uni-head wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2. After running the 9-5/8' intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the FMC Uni-head. 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. 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

See attached schematic.

5. Mud Program

	Depth	Туре	Weight (ppg)	Viscosity	Water Loss
From	То				
0	1,405'	FW Gel	8.6-8.8	28-34	N/C
1,405'	4,230'	Saturated Brine	10.0-10.2	28-34	N/C
4,230'	15,698'	Cut Brine	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain	PVT/Pason/Visual Monitoring
of fluid?	

6. Logging and Testing Procedures

Logging, Coring and Testing.			
X	Will run GR/CNL fromTD to surface (horizontal well – vertical portion of hole). Stated		
	logs run will be in the Completion Report and submitted to the BLM.		
	No Logs are planned based on well control or offset log information.		
	Drill stem test? If yes, explain		
	Coring? If yes, explain		

Additional logs planned Interval			
	Resistivity	Int. shoe to KOP	
	Density	Int. shoe to KOP	
Х	CBL	Production casing	
Х	Mud log	Intermediate shoe to TD	
	PEX		

7. Drilling Conditions

Condition Specify what type and where?				
BH Pressure at deepest TVD	2985 psi			
Abnormal Temperature	No			

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

NH2S is presentYH2S Plan attached

Y H2S Plan attached

8. Other facets of operation

Is this a walking operation? No. Will be pre-setting casing? No.

Attachments

<u>x</u> Directional Plan Other, describe