Submit I Copy To Appropriate District Office State of New Mexico	Form C-103
District I – (575) 393-6161 Energy, Minerals and Natural Resources 1625 N. French Dr., Hobbs, NM 88240	Revised July 18, 2013 WELL API NO.
District 11 - (575) 748-1283 OH. CONSERVATION DIVISION	30-015-42688
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178 1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460 Santa Fe, NM 87505	STATE FEE 6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM	or state on to out bears and
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name Snapping 2 State
1. Type of Well: Oil Well Gas Well Other	8. Well Number 14H
2. Name of Operator	9. OGRID Number
Devon Energy Production Company, LP 405-228-7203	6137
3. Address of Operator	10. Pool name or Wildcat
333 West. Sheridan Avenue Oklahoma City, OK 73102-5015 405-228-7203	Jennings; Bone Spring, West (97860)
4. Well Location	a a magn
Unit Letter P :330 feet from the _SOUTH line and _735 Section 2 Township 26S Range 31E	
11 Elevation (Show whather DR DKR DT CR	
3267'	etc.)
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL W	UBSEQUENT REPORT OF: ORK
OTHER: Change psi	
13. Describe proposed or completed operations. (Clearly state all pertinent details of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple proposed completion or recompletion.	Completions: Attach wellbore diagram of
Devon Energy Production Co. L.P. respectfully requests altering the annular test product the 9-5/8" casing string on the Snapping 2 State 14H.	essure from 7500 psi to 5000 psi before drilling
Attached is the revised drilling plan, thank you.	NM OIL CONSERVATION
Attached is the revised drifting plan, thank you.	ARTESIA DISTRICT
	FEB 3 2015
	RECEIVED
I hereby certify that the information above is true and complete to the best of my knowledge.	edge and belief.
SIGNATURE June Coul TITLE: Regulator	<u>y Analyst</u> DATE <u>2/2/2015</u>
Type or print name: Trina C. Couch E-mail address: trina.couch@dvn.coi For State Use Only	<u>m</u> PHONE: <u>405-228-7203</u>
APPROVED BY: Stock TITLE D. 57 ASeperver Conditions of Approval (if any):	DATE 2/11/2015

1. Geologic Formations

TVD of target	11948	Pilot hole depth	13500
MD at TD:	16489	Deepest expected fresh water:	

Basin

Formation	Depth (TVD)	Water/Mineral Bearing/	Hazards*
	from KB	Target Zone?	
Rustler	923		
Salado	1273		,
Base of Salt	4003		
Delaware	4213	·	
Bell Canyon	4238		
Cherry Canyon	5143		
Brushy Canyon	6568		
1st BSPG Lime	8288		
1st BSPG Sand	9205		
2nd BSPG Lime	9515		
2nd BSPG Sand	9868		
3rd BSPG:Lime	10410		
3rd BSPG Sand	11160		
Wolfcamp	11575		
Target Zone Top	11915		
Wolfcamp B Shale	11995		
Top Mid Sh MKR	13015		
Base Mid Sh Mkr	13125	·	
PILOT HOLE TD	13500		

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

2. Casing Program

Hole	Casin	g Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	То	Size	(lbs)		1. 4	Collapse	Burst	Tension
26"	0	1000	20"	117	J55	BTC	1.10	1.46	6.29
17.5"	0	4100	13-3/8"	72	P-110	BTC	1.12	1.13	4.24
12.25"	0	5250	9-5/8"	40	P-110	BTC	1.4	1.75	4.95
8-3/4"	0	11900	7"	32	P-110	BTC	2.14	1.25	2.43
6"	11200	16489	4.5"	13.5	P-110	BTC	1.2	2.21	3.10
	-4			BLM Min	imum Safe	ty Factor	1.125	1.00	1.6 Dry
									1.8 Wet

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							
Does casing meet API specifications? If no, attach casing specification sheet.	Y .						
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							
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?							
T. 111- Add Add Code Dec	N.I.						
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.							
Is well located in SOPA but not in R-111-P?							
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back	N						
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?							
In well located in high Cove/V and?	N						
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.T.						
	N						
If yes, are there three strings cemented to surface?							

3. Cementing Program

Casing	#	Wt.	H ₂ 0	Yld	500#	Slurry Description			
,,,,	Sks	lb/	gal/sk	ft3/	Comp.				
*.		gal		sac	Strengt				
r i	1 1 1			k	h				
					(hours)				
20"	880	13.5	9.07	1.7	12	Lead: Class C Cement + 4% Bentonite Gel + 0.125 lbs/sack Poly-E-Flake			
Surf.	1190	14.8	6.32	1.3	7	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake			
13-3/8" Inter.	1930	12.9	9.81	1.8	17	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake			
inter.	940	14.8	6.32	1.3	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake			
	640	11	14.81	2.5	14	1st stage Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake			
9-5/8"	770	14.4	5.8	1.2	Tail: (50:50)Premium H: PozMix + 0.3% BWOC Halad-9 + 0.15% BWOC HR-601 + 0.1% BWOC FWCA				
9-5/8 Inter.	DV Tool = 4150ft								
mer.	70	12.9	9.81	1.8	17	2 nd Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake			
	60	14.8	6.32	1.3	6	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake			
7"	100	11	14.81	2.5 5	14	Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake			
Inter.	240	14.5	5.31	1.2	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			
4-1/2" Liner	640	14.5	5.31	1.2	25	Primary: (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
20" Surface	0'	100%
13-3/8" Intermediate	0'	75%
9-5/8" Intermediate	1^{st} Stage = 4150' / 2^{nd} Stage = 3600'	50%
7" Intermediate	9100'	25%
Production Liner	11200'	25%

Include Pilot Hole Cementing specs:

Pilot hole depth 13500ft

KOP 11470ft

ζ,

Plug	Plug	%	No.	Wt.	Yld	Water	Slurry Description and Cement Type
₊top_	Bottom	Excess	Sacks	lb/gal	ft3/sack	∍gal/sk	
11270	13500	10	865	15.6	1.19	5.42	Class H + 0.3% Halad-9 + 0.5% HR-601

4. Pressure Control Equipment

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	Type		√ , , , , , , , , , , , , , , , , , , ,	Tested to:		
			Annular		х	50% of working pressure		
			Blind Rai	n		•		
17.5"	13-5/8"	3M	Pipe Ran	n		3M		
			Double Ram		x	3101		
			Other*					
			Annular		X	50% testing pressure		
			Blind Rai	n				
12.25"	13-5/8"	3M	Pipe Ran	ı				
12.23	13-3/6	31 v1	Double Ra	ım	X	3M		
		,	Other *					
		,	Annular		X	5M		
			Blind Rar					
8.75"	13-5/8"	· 10M	Pipe Ram					
0.73	13-3/8	10M	Double Ram				х	7.5M
			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.

V Formation integrity test will be performed per Onshare Order #2

I	On Exgreate	ploratory wells or on that portion of any well approved for a 5M BOPE system or r, a pressure integrity test of each casing shoe shall be performed. Will be tested in lance with Onshore Oil and Gas Order #2 III.B.1.i.						
Y	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.							
	N	Are anchors required by manufacturer?						
Y 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 10,000 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

See attached schematic.

minimal turns

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss	
From						
0	1000'	FW Gel	8.6-8.8	28-34	N/C	
1000'	4100'	Saturated Brine	10.0-10.2	28-34	N/C	
4100'	9600'	Cut Brine	8.5-9.2	28-34	N/C	
9600'	13500'(PH)	Cut Brine	9-10	28-34	N/C	
KOP	11900'	Cut Brine	9-10	28-34	N/C	
11900'	16490'	OBM	12.5-15	40-60	10	

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

Logg	Logging, Coring and Testing.		
X	Will run GR/CNL from TD 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		
X	Will be taking side wall cores from the 3 rd BSSS & Wolfcamp PH along with a GC		
	Tracer.		

Additional logs planned		Interval
X	Resistivity	Int. shoe to PH
X	Density	Int. shoe to PH
X	CBL	Int. shoe to PH
X	Mud log	Intermediate shoe to TD
X	PEX	Int. shoe to PH

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4732 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.		
N	H2S is present	
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