	Revised July 18, 2013
District I – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283	WELL API NO. 30-015-42688
811 S. First St., Artesia, NM 88210OIL CONSERVATION DIVISIONDistrict III - (505) 334-61781220 South St. Francis Dr.1000 Bio Person Rd. Arten NM 874101220 South St. Francis Dr.	5. Indicate Type of Lease STATE STATE FEE
District IV (505) 476-3460 Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505	6. State Oil & Gas Lease No.
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	7. Lease Name or Unit Agreement Name Snapping 2 State
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other	8. Well Number 14H
2. Name of Operator Devon Energy Production Company, LP 405-228-7203	9. OGRID Number 6137
3. Address of Operator	10. Pool name or Wildcat
333 West. Sheridan Avenue Oklahoma City, OK 73102-5015405-228-7203	Ross Ranch; Wolfcamp (Gas)
4. Well Location Lot NumberP :250 feet from the _SOUTH line and330	
	MPM Eddy County
11. Elevation (Show whether DR, RKB, RT, GR, e 3282' GL	etc.)
12. Check Appropriate Box to Indicate Nature of Notic	ce, Report or Other Data
NOTICE OF INTENTION TO SU	JBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK 🔲 PLUG AND ABANDON 🔲 👘 REMEDIAL W	
PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMI DOWNHOLE COMMINGLE CLOSED-LOOP SYSTEM I	
OTHER:	
OTHER: Final Casing Change	
	and give pertinent dates, including estimated date Completions: Attach wellbore diagram of
OTHER: Final Casing Change 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.	and give pertinent dates, including estimated date Completions: Attach wellbore diagram of weight window, Devon Energy Production
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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		i
Base of Salt	4003		
Delaware	4213		
Bell Canyon	4238		
Cherry Canyon			
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.

Hole	Casing	g Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	То	Size	(lbs)			Collapse	Burst	Tension
26?	0	1000	20"	106.5	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	10600	9-5/8"	40	P-110	BTC	1.37	1.75	2.34
8-3/4"	0	11400	7"	32	P-110	BTC	1.21	1.21	2.37
	11400	16489	5.5"	20	P-110	BTC	1.19	1.32	3.21
				BLM Min	imum Safe	ty Factor	1.125	1.00	1.6 Dry
	*			• • •		-			1.8 Wet

2. Casing Program

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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.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y .
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	1
Is well within the designated 4 string boundary.	• •
	· · · ·
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?	
soo mo povious 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
If yes, are three strings cemented to surface?	1 1 1
in yes, are more sumps comence to sumace?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	H20 gal/sk	Yld ft3/ sac k	500# Comp. Strengt h (hours)	Slurry Description
20"	880	13.5	9.07	1.7 2	12	Lead: Class C Cement + 4% Bentonite Gel + 0.125 lbs/sack Poly-E-Flake
Surf.	1190	14.8	6.32	1.3 3	.7	Tail: Class C Cement + 0.125 lbs/sack Poly-E- Flake
13-3/8"	1930	12.9	9.81	1.8 5	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 3	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E- Flake
	820	11	14.81	2.55	14	2 nd stage Lead: Tuned Light [®] Cement + 0.125 lb/sk Pol-E- Flake
9-5/8"	770	14.4	5.8	. 1.24	22	(50:50)Premium H: PozMix + 0.3% BWOC Halad-9 + 0.15% BWOC HR-601 + 0.1% BWOC FWCA
•	DV Too	ol = 4150	ft		· · · ·	
Inter.	70.	12.9	9.81	1.85	17	2 nd Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 Ibs/sack Poly-E-Flake
	60	14.8	6.32	1.33	6	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
7 x 5-	80	10.4	16.9	3.17	16	Lead: Tuned Light %+0:125 lb/sk Pol-E-Flake
1/2" Prod	1350	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
9-5/8″ Inter	820	11	14.81	2.55	14	2 nd stage Lead: Tuned Light [®] Cement + 0.125 lb/sk Pol-E Flake

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%
Production	10100'	25%

Include Pilot Hole Cementing specs: Pilot hole depth 13500ft KOP 11470ft

	Plug Bottom			Wt. lb/gal	Yld ft3/sack		Slurry Description and Cement Type
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	T ^{star} T	ype		Tested to:
·				nular	x	50% of working pressure
				d Ram		
17.5"	13-5/8"	3M	Pip	e Ram		3M
			Dout	le Ram	x	5111
:			Other*	•••		
			An	nular	x	50% testing pressure
	12.5/0"		Blind Ram			
12.25"		13-5/8"	3M	Pipe Ram		
12.2.5	15-576	JIVI	Doub	ole Ram	x	3M
			Other *			
			An	nular	X	5M
			Blin	d Ram		
8.75"	13-5/8"	3-5/8" 10M	Pipe Ram			9,
0.75	15-5/0	10101	Dout	ole Ram	X	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.

Y	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.
	A variance is requested for the use of a flexible choke line from the BOP to Choke
Y	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 minimal turns
	See attached schematic.

5. Mud Program

D	epth	Туре	Weight (ppg)	Viscosity	Water Loss
From	То			1	
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 of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logg	ging, 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.

Add	litional logs planned	d Interval
Χ	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

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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.

Ν	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 <u>Other</u>, describe

