Submit 1 Copy To Appropriate District Office	State of New Me			Form C-103
District I - (575) 393-6161	Energy, Minerals and Natu	ral Resources	WELL API NO.	evised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283			30-015-42082	
811 S. First St., Artesia, NM 88210	OIL CONSERVATION	•	5. Indicate Type of Lease	
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fra	ncis Dr.		FEE 🗌
District IV - (505) 476-3460	Santa Fe, NM 87	7.505	6. State Oil & Gas Lease	
1220 S. St. Francis Dr., Santa Fe, NM	•	•		
87505 SUNDRY NOT	ICES AND REPORTS ON WELLS		7. Lease Name or Unit A	oreement Name
(DO NOT USE THIS FORM FOR PROPO	SALS TO DRILL OR TO DEEPEN OR PL	UĠ BACK TO A	Snapping 2 State	,
	CATION FOR PERMIT" (FORM C-101) FO	DR SUCH		
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other		8. Well Number	
1. Type of won. On wen	Gus Won 🔲 Guidi		14H	
2. Name of Operator	I.D. 405 000	7202	9. OGRID Number	
Devon Energy Production Com	pany, LP 405-228-	7.203	6137	
3. Address of Operator			10. Pool name or Wildca	, ·
333 West. Sheridan Avenue				
Oklahoma City, OK 73102-50	015 405-228-7203		Ross Ranch; Wolfcamp	(Gas)
4. Well Location				
Lot Number P :	250 feet from the SOUTH	line and _330f	eet from the EAST line	}
Section 2	Township 26S Range 3			
	11. Elevation (Show whether DR			
Manager St. Manager	3282' GL			
	••		•	en de la companya de
12. Check A	Appropriate Box to Indicate N	ature of Notice,	Report or Other Data	
NOTICE OF IN		1	SEQUENT REPORT	
PERFORM REMEDIAL WORK	the state of the s	REMEDIAL WOR		RING CASING
TEMPORARILY ABANDON []	and the state of t		ILLING OPNS P'AND	D'A
	MULTIPLE COMPL	CASING/CEMEN	T-JOB	•
DOWNHOLE COMMINGLE				
CLOSED-LOOP SYSTEM	•	OTHER:	,	· 🗆
OTHER: Final Casing Change	oxtimes		$v_{\rm c}$	_
13. Describe proposed or comp	leted operations. (Clearly state all	pertinent details, an	d give pertinent dates, inclu	ding estimated date
	ork). SEE RULE 19.15.7.14 NMA			
proposed completion or rec	ompletion.			
•				
			10 1 1 D D	Section 14
In order to drill the Snapping 2	State 14H pilot hole section with the uests to change the casing design to	e required mud wei	ght window, Devon Energy	Production
our logging operations for the p		deepen the 9-3/8	setting point. This win mini	mize the risk during
our logging operations for the p	not note section.		Ni	M OIL CONSERVATION
Attached is the revised drilling	plan	,**	•••	ARTESIA DISTRICT
				FEB 27 2015
·				•
				RECEIVED
I hereby certify that the information	above is true and complete to the b	est of my knowledg	ge and belief.	
	A .			A CONTRACTOR OF THE PROPERTY O
SIGNATURE 4	Continue	E: Regulatory A	nalyst DATE 2/24	1/2015
SIGNATURE 18		L. Regulatory A	maryst DATE 2/2-	<u>72015</u>
Type or print name: Trina C. Co	ouch E-mail address: trina	.couch@dvn.com	PHONE: 405-228-	7203
For State Use Only				
	~ 10	M	· 1	hohon
APPROVED BY:	TITLE US7	Delphil.)() DATECY	77/2013
Conditions of Approval (if any):		·1	/	•

1. Geologic Formations

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

Basin

Dasiii	Land the expectation of the second second second second		Transcription and a second control of the se
Formation	Depth (TVD)	Water/Mineral Bearing/	Hazards*
	from KB	Target Zone?	
Rustler	923		
Saladó i t.v.	1273		•
Base of Salt	4003		
Delaware	4213		
Bell Canyon	4238		
Cherry Canyon	, 1 _{1,1} 1 1 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	Casing	Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	To	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-1:10	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
	Parties and Physics		i espiller	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	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 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 within the designated 4 spring boundary.					
Is well located in SOPA but not in R-111-P?	N				
If yes, are the first 2 strings cemented to surface and 3rd 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?	1				
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	1				
Is well located in critical Cave/Karst?	N				
If yes, are there three strings cemented to surface?					

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	H ₂ 0 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	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
Înter.	940	14.8	6.32	1.3	1.6	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
Inter.	DV Too	l = 4150f	t			
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 lbs/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

56100073070	lug op	Plug Bottom	% Excess	No. Sacks	Wt. lb/gal	Yld ft3/sack	Water gal/sk	Slurry Description and Cement Type
11	1270	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	Туре		Tested to:
	Ţ.,		Annular	x	50% of working pressure
			Blind Ram		
17.5"	13-5/8"	3M	Pipe Ram		3M
"			Double Ram	х	.31v1
			Other*		
			Annular	х	50% testing pressure
		,	Blind Ram		
12.25"	13-5/8"	3M	Pipe Ram		
12.23	13-3/6	3101	Double Ram	Х	3M
			Other *		:
		÷*	Annular	X	5M
	•		Blind Ram		
8.75"	 	10M	Pipe Ram		Solvers and the way of the same of the sam
0.43	13-3/6	IOM	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.

	·						
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 anchor's 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	Type	Weight (ppg)	Viscosity	Water Loss
From	To		42.5		
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	ging, Coring and Testing.
х	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.

Ado	litional 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.

varu	values and formations with be provided to the BEW.		
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