D F	OMB Expires:	1 APPROVED NO. 1004-0137 January 31, 2018				
	BUREAU OF LAND MANA V NOTICES AND REPO		5. Lease Serial No. NMNM120901			
Do not use th abandoned w	Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.					
SUBMIT IN	SUBMIT IN TRIPLICATE - Other instructions on page 2					
1. Type of Well ☑ Oil Well □ Gas Well □ O	🛛 Oil Well 🔲 Gas Well 🔲 Other					
2. Name of Operator CHEVRON USA INCORPOR	9. API Well No. 30-015-45422-	-00-X1				
3a. Address 6301 DEAUVILLE BLVD MIDLAND, TX 79706	·····	3b. Phone No. (include area code) Ph: 432-687-7655	30-015-45422- 10. Eight md Pool or SAND-DUNES	r Exploratory Area		
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	Carisumo	Artesite County or Parish	, State		
Sec 12 T24S R31E SESE 36 32.225639 N Lat, 103.72705			EDDY COUNT	Y, NM		
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE NATURE O	F NOTICE, REPORT, OR OT	HER DATA		
TYPE OF SUBMISSION		TYPE OF	ACTION			
Notice of Intent	□ Acidize	Deepen	Production (Start/Resume)	□ Water Shut-Of		
—	Alter Casing	Hydraulic Fracturing	□ Reclamation	Well Integrity		
Subsequent Report	Casing Repair	New Construction	Recomplete	Other		
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	Change to Origin PD		
Chevron USA respectfully rec	wests the following change	es to the originally approved A				
Chevron USA respectfully red Well Type: From: Oil producer To: Monitoring well Change of TD From: 22,075' MD/11,800' TV To: 21,800' MD/11,829' TVD	′D	es to the originally approved A	ل م	Received IUL 2 3 2019 TTIMARTESIA O.C.		
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1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA TVD	KBTVD	MD
Rustler	2,783	825	
Salado	1,095	2,513	
Castile	544	3,064	
Lamar	(1,008)	4,616	
Bell Canyon	(1,045)	4,653	
Cherry Canyon	(1,936)	5,544	
Brushy Canyon	(3,145)	6,753	
Top Bone Spring Lime	(4,849)	8,457	
Avalon	(4,916)	8,524	
Lower Avalon (AVL_TGT1_SND)	(5,482)	9,090	
Lower Avalon (AVL_TGT2_SND)	(5,663)	9,271	
First Bone Spring	(5,870)	9,478	
First Bone Spring Shale	(6,217)	9,825	
Second Bone Spring	(6,499)	10,107	
TBSG Carbonate (Base SBSG)	(6,826)	10,434	
SBTC	(7,074)	10,682	
Second Bone Spring Shale	(7,316)	10,924	
TB1C (Top)	(7,603)	11,211	
TB1C BASE	(7,659)	11,267	
Third Bone Spring	(7,814)	11,422	
Third Bone Spring (TBS_TGT1_SND)	(8,221)	11,829	21,800
Wolfcamp	(8,258)	11,866	

2. ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING FORMATIONS

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Deepest Ex	400	
Water	Castile	3,064
Water	Cherry Canyon	5,544
Oil/Gas	Brushy Canyon	6,753
Oil/Gas	Avalon	8,524
Oil/Gas	First Bone Spring	9,825
Oil/Gas	Second Bone Spring	10,924
Oil/Gas	Third Bone Spring	11,422
Oil/Gas	Wolfcamp A	11,866
Oil/Gas	Wolfcamp B	12,545

All shows of fresh water and minerals will be reported and protected.

3. BOP EQUIPMENT

Chevron will have a minimum of a 5,000 psi rig stack (see proposed schematic) for drill out below surface casing. The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, intermediate, and production will take place. A full BOP test will be performed unless approval from BLM is received otherwise. Flex choke hose will be used for all wells on the pad (see attached specs). BOP test will be conducted by a third party.

Chevron requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. **ONSHORE ORDER NO. 1** Chevron SND 12 01 FED 003 3H Eddy County, NM

4. CASING PROGRAM

a. The proposed casing program will be as follows:

Purpose	From	То	Hole Size	Csg Size	Weight	Grade	Thread	Condition
Surface	0'	800'	17-1/2"	13-3/8"	54.5 #	J-55	STC	New
Intermediate	0'	11,250	12-1/4"	9-5/8"	43.5 #	L-80	LTC	New
Production	0'	21,800'	8-1/2"	5-1/2"	20.0 #	P-110	TXP BTC	New

b. Casing design subject to revision based on geologic conditions encountered.

c. ***A "Worst Case" casing design for wells in a particular area is used below to calculate the Casing Safety Factors. If for any reason the casing design for a particular well requires setting casing deeper than the following "worst case" design, then the Casing Safety Factors will be recalculated & sent to the BLM prior to drilling.

d. Chevron will fill casing at a minimum of every 20 jts (840') while running for intermediate and production casing in order to maintain collapse SF.

SF Calculations based on the following "Worst Case" casing design:

Casing String	Min SF Burst	Min SF Collapse	Min SF Tension	Min SF Tri-Axial
Surface	1.40	2.75	3.56	1.74
Intermediate	1.25	1.92	1.60	1.53
Production	1.11	1.39	2.29	1,35

The following worst case load cases were considered for calculation of the above Min. Safety Factors:

Burst Design		Surf	Int	Prod
Pressure Test- Surface	e, Int, Prod Csg	X	Х	X
P external:	Mud weight above TOC, PP below			
P internal:	Test psi + next section heaviest mud in csg			
Displace to Gas- Surf (Csg	Х		
P external:	Mud weight above TOC, PP below			
P internal:	Dry Gas from Next Csg Point			
Gas over mud (60/40)	- Int Csg/Liner		X	
P external:	Mud weight above TOC, PP below		•	
P internal:	60% gas over 40% mud from Pilot hole TD F	р Р		
Stimulation (Frac) Pres	sures- Prod Csg			X
P external:	Mud weight above TOC, PP below			
P internal:	Max inj pressure w/ heaviest injected fluid			
Tubing leak- Prod Csg	(packer at KOP)			X
P external:	Mud weight above TOC, PP below		· ·	1. A.
P internal:	Leak just below surf, 8.45 ppg packer fluid			
Collapse Design				
Full Evacuation		X	X	X
P external:	Mud weight gradient			
P internal:	none			
Cementing-Surf, Int, P	rod Csg	Х	X	X
P external:	-			
P internal	displacement fluid - water			
Tension Design				
100k lb overpull		Х	X	Х

ONSHORE ORDER NO. 1 Chevron SND 12 01 FED 003 3H Eddy County, NM

5. CEMENTING PROGRAM

Slurry	Туре	Тор	Bottom	Weight	Yield	%Excess	Sacks	Water	Volume
Surface		1. Buch		(ppg)		Open Hole		gal/sk 🖂 🔄	bbls.
Tail	Class C	0'	800'	14.8	1.34	10	514	6.40	123
Intermediate Csg - Stac	<u>ie 1</u> .		ine.					<i>3</i> .	-
Lead	50:50 Poz: Class C	4,600'	10,250'	11.9	2.43	10	767	13.65	332
Tail	Class C	10,250'	11,250'	15.6	1.22	10	314	5.37	69
Intermediate Csg - Stac	te 2 (DV tool @ 4,600')								
Lead	50:50 Poz: Class C	0'	4,100'	11.9	2.43	10	255	13.65	588
Tail	Class C	4,100'	4,600'	14.8	1.33	10	130	6.35	31
Production				and the second secon				Kel	
Lead 1	Class C	8,500'	13,000'	11.5	2.46	10	461	14.05	202
Lead 2	Class C	13,000'	20,800'	13.2	1.85	10	1062	9.87	350
Tail	Acid Sol Class H	20,800'	21,800	15	2.19	10	120	9.54	47

1. Final cement volumes will be determined by caliper.

2. Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

3. Production casing will have one horizontal type centralizer on every joint for the first 1000' from TD, then every other joint to EOB, and then every third joint to KOP. Bowspring type centralizers will be run from KOP to intermediate casing.

ONSHORE ORDER NO. 1 Chevron SND 12 01 FED 003 3H Eddy County, NM

4,681 psi

6. MUD PROGRAM

From	To	Туре	Weight	Viscosity	Filtrate
0'	800'	Spud Mud	8.3 - 8.9	28-30	N/C
800'	11,250'	OBM	9.0 - 10.1	28-31	N/C
11,250'	21,800'	OBM	9.0 - 11.0	10-15	15-25

A closed system will be utilized consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

7. TESTING, LOGGING, AND CORING

The anticipated type and amount of testing, logging, and coring are as follows:

a. Drill stem tests are not planned.

b. The logging program will be as follows:

TYPE	Logs	Interval	Timing
Mudiogs	2 man mudlog	Int Csg to TD	Drill out of Surf Csg Shoe
LWD	MWD Gamma	Int. and Prod. Hole	While Drilling

c. Conventional whole core samples are not planned.

d. A Directional Survey will be run.

8. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

a. No abnormal pressure or temperatures are expected. Estimated BHP is:

b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered