UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 1 3 2020

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

5. Lease Serial No. SUNDRY NOTICES AND P

abandoned We	is form for proposals to II. Use form 3160-3 (AP	o drill or to h D) for such	AND SALE OC	DARTE	Contribution, Allottee	or Tribe Name
SUBMIT IN	TRIPLICATE - Other ins	tructions on	page 2	<u> </u>	7. If Unit or CA/Agre	ement, Name and/or No.
1. Type of Well ☐ Gas Well ☐ Other				8. Well Name and No SND 12 01 FED		
2 Name of Operator					9. API Well No. 30-015-45511-0	 D0-X1
3a. Address 6301 DEAUVILLE BLVD MIDLAND, TX 79706	Address 3b. Phone No. (include area code) 6301 DEAUVILLE BLVD Ph: 432-687-7665)	10. Field and Pool or WILDCAT	Exploratory Area
4. Location of Well (Footage, Sec., T.	., R., M., or Survey Description	ມ			11. County or Parish,	State
Sec 12 T24S R31E SESW 98 32.227341 N Lat, 103.734680	3FSL 1665FWL W Lon				EDDY COUNT	
12. CHECK THE AF	PROPRIATE BOX(ES)	TO INDICA	TE NATURE O	F NOTICE,	REPORT, OR OTI	IER DATA
TYPE OF SUBMISSION				FACTION		<u> </u>
Notice of Intent		Dee	-		on (Start/Resume)	UWater Shut-Off
Subsequent Report	Alter Casing Casing Repair	-	raulic Fracturing Construction			U Well Integrity
Final Abandonment Notice	Change Plans		and Abandon			Other Change to Original A
	Convert to Injection			Temporarily Abandon Water Disposal		PD
If the proposal is to deepen directiona Attach the Bond under which the worl following completion of the involved testing has been completed. Final Ab- determined that the site is ready for fin Chevron respectfully requests - Correct lease number: NMNN - Change of the originally appro- factors for intermediate casing, revised 9 Point Drilling Plan is - Authorization to use the spud- will move within 90 days to con - A variance to wait to 500 psi of	the following changes to andonment Notices must be file nal inspection. the following changes to 1 104684. oved 9-5/8" casing setting intermediate lead cemer attached to this request. der rig to spud the well an tinue drilling operations. compressive strength of t	the originally the originally g depth, weig nt weight and Rig layout is	approved APD: approved APD: ht & connection t mud program. A e casing. The dri attached.	Type, safety copy of the ling rig	sequent reports must be	filed within 30 days
 I hereby certify that the foregoing is t Comr 	Electronic Submission #4	SA INCORPOI	RATED cont to th	ho Carlebad	-	<u> </u>
Name (Printed/Typed) LAURA BE				ATORY SPE	•	
Signature (Electronic Su			Date 01/16/20			
Signature (Electronic Su	ibmission) THIS SPACE FO	R FEDERA			E	

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2) ** BLM REVISED **

Acceptus Rup 3-25-20

Additional data for EC transaction #499577 that would not fit on the form

32. Additional remarks, continued

Surface and Intermediate casing. Engineering lab tests as provided by the cementing provider Tests are attached to this request.

- A variance from the Onshore Order 2 to break test if able to finish the next hole section within 21 days of the previous full BOP test. Upon the first nipple up of the pad a full BOP test will be performed. A break test will consist of a 250 psi low/ ~5,000 psi high 10 min each test against the connection that was broken when skidding the rig. A break test will not be performed on our last production section. A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized, details are attached. Details attached.

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
LEASE NO.:	NMNM120901
LOCATION:	SECTION 12, T24S, R31E, NMPM
COUNTY:	EDDY
WELL NAME & NO.:	1H – SND 12 01 FED 002
SURFACE HOLE FOOTAGE:	982'/S & 1640'/W
BOTTOM HOLE FOOTAGE	100'/N & 330/'W
WELL NAME & NO.:	2H – SND 12 01 FED 002
SURFACE HOLE FOOTAGE:	983'/S & 1665'/W
BOTTOM HOLE FOOTAGE	100'/N & 1254/'W
WELL NAME & NO.:	3H – SND 12 01 FED 002
SURFACE HOLE FOOTAGE:	984'/S & 1690'/W
BOTTOM HOLE FOOTAGE	100'/N & 2178/'W
WELL NAME & NO.:	4H – SND 12 01 FED 002

ALL PREVIOUS COAs STILL APPLY.

A. SPECIAL REQUIREMENT (S)

SURFACE HOLE FOOTAGE:

BOTTOM HOLE FOOTAGE

BOP Break Testing Variance (Note: For 5M BOP or less)

• While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.

985'/S & 1715'/W

100'/N & 2178/'W

- Any well control event while drilling require notification to the BLM Petroleum Engineer prior to the commencement of any BOP Break Testing operations.
- A full BOP test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOP test will be required.

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA TVD	KBTVD	MD
Rustler		766	
Castile		2,990	
Lamar		4,575	
Bell Canyon		4,626	
Cherry Canyon		5,480	
Brushy Canyon		6,760	
Bone Spring Lime		8,423	
Avalon		8,443	
Lateral TD (Lower Avalon)		9,036	18,807
First Bone Spring		9,380	10,007
Second Bone Spring		10,032	
Third Bone Spring		11,330	
Wolfcamp A		11,769	
Wolfcamp B		12,545	

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 E:	xpected Base of Fresh Water	400
Water	Castile	2,990
Water	Cherry Canyon	5,480
Oil/Gas	Brushy Canyon	6,760
Oil/Gas	Avalon	8,443
Oil/Gas	First Bone Spring	9,380
Oil/Gas	Second Bone Spring	10,032
Oil/Gas	Third Bone Spring	11.330
Oil/Gas	Wolfcamp A	11,769
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.

4. CASING PROGRAM

a. The proposed casing program will be as follows:

Purpose	From	To	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'	8,423'	12-1/4"	9-5/8"	40 #	L-80 IC	BTC	New
Production	0'	18,807'	8-1/2"	5-1/2"	20.0 #	P-110 ICY	TXP BTC	New
					20.0 #		INP BIC	New

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

- 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	1.80	3.12	3.17	2.26
Intermediate	1.20	1.00	1.60	1.20
Production	1.15	1.39	2.19	1.38

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

Burst Design		Surf	Int	Prod
Pressure Test- Surfa	ce, Int, Prod Csg	x	X	x
P external:	Mud weight above TOC, PP below			
P internal:	Test psi + next section heaviest mud in csg			
Displace to Gas- Sur	^r Csg	- x		
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 P	Р		
Stimulation (Frac) Pre	essures- Prod Csg			
P external:				
P internal:	Max inj pressure w/ heaviest injected fluid	1		
Tubing leak- Prod Cs	g (packer at KOP)			- x
P external:	Mud weight above TOC, PP below			
P internal:	Leak just below surf, 8.45 ppg packer fluid			
Collapse Design				
Full Evacuation		x	x	
P external:	Mud weight gradient	Î.		Î^
P internal:	none			
Cementing- Surf, Int,	Prod Csg	x	X	- x
	Wet cement		ľ`	
P internal:	displacement fluid - water			
Tension Design			<u> </u>	
100k lb overpull		- x	- <u>x</u> -	

ONSHORE ORDER NO 1 Chevron SND 12 01 FED 002 2H_v3 Eddy County, NM

5. CEMENTING PROGRAM

Slurry	Туре	Тор	Bottom	Weight	Yield	%Excess	Sacks	Water	Volume
	the state of the second		1. A. S.	(ppg)	(cu ft/sk)	Open Hole			bbls
Tail	Class C	0'	800'	14.8	1.34	10	547	6.40	123
ntermediate Csg	and the second				19 14 29	A TON IN A DAMAGE A		<u> </u>	1 123
Lead	Class C	0'	7,423'	10.5	3.42	10.	751	21.20	458
Tail	Class C	7,423'	8,423	14.8	1.33	10	287	6.37	68
roduction				and the second second	と教室になったた		<u></u>		0
Lead 1	Class C	7,423'	8.500'	11.9	2.10	10	130		\$ \$ \$
Lead 2	Class C	8,500'	17,807	13.2	1.85	10		11.39	49
Tail	Acid Sol Class H	17,807'	18,807'	15	2.06	10	<u>1267</u>	9.78 9.00	<u>418</u> 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. No centrilizers will be run on the 5.5" csg inside the liner.

6. MUD PROGRAM

From	To	Туре	Weight	Viscosity	Filtrate
0'	800'	Spud Mud	8.3 - 8.9	28-30	N/C
800'	8,423'	OBM	9.0 - 10.1	10-15	15-25
8,423'	18,807'	OBM	8.3 - 9.5	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
Mudlogs	2 man mudlog	Int Csg to TD	Drillout 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:

4,464 psi b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered