Form 3160-5 (June 2015)	UNITED STATE DEPARTMENT OF THE I BUREAU OF LAND MANA	S NTERIOR GEMENT	OCD Hobbs		FORM A OMB NO Expires: Jan	PPROVED 1004-0137 uary 31, 2018
SU Do no	NDRY NOTICES AND REPO	RTS ON WI		OCD	5. Lease Serial No. NMNM27506	
abando	ned well. Use form 3160-3 (AP	D) for such p	AUG 29	2017	6. If Indian, Allottee or	Tribe Name
SUB	MIT IN TRIPLICATE - Other ins	tructions on	page 2 RECEN	VED	7. If Unit or CA/Agreen	nent, Name and/or No.
 Type of Well Oil Well Gas We 	11 🗖 Other			VED	8. Well Name and No. SD EA 29 FED CO	M P8 12H ,
2. Name of Operator CHEVRON USA INC	E-Mail: leakejd@d	DENISE PIN chevron.com	KERTON		 API Well No. 30-025-43271-00 	-X1
3a. Address 1616 W. BENDER BL HOBBS, NM 88240	VD	3b. Phone No Ph: 432-68	. (include area code) 87-7375		10. Field and Pool or Ex WC025G06S263	ploratory Area 319P-BONE SPRING
4. Location of Well (Footag	ge, Sec., T., R., M., or Survey Description		11. County or Parish, St	ate		
Sec 29 T26S R33E N	WNE 136FNL 1607FEL				LEA COUNTY, N	Μ
12. CHECK	THE APPROPRIATE BOX(ES)) TO INDICA	TE NATURE OI	F NOTICE,	REPORT, OR OTH	ER DATA
TYPE OF SUBMISSIO	ON		TYPE OF	ACTION		
Notice of Intent	C Acidize	Dee Dee	pen	Product	ion (Start/Resume)	U Water Shut-Off
	Alter Casing	🗖 Hyd	Iraulic Fracturing	Reclam	ation	U Well Integrity
Subsequent Report	Casing Repair	Nev	v Construction	Recomp	olete	Other Change to Original A
Final Abandonment N	Notice Change Plans	🗖 Plug	g and Abandon	Tempor	arily Abandon	PD
	Convert to Injection	D Plug	g Back	U Water I	Disposal	
13. Describe Proposed or Com If the proposal is to deepen Attach the Bond under whi following completion of th testing has been completed determined that the site is r	pleted Operation: Clearly state all pertun- directionally or recomplete horizontally ch the work will be performed or provid e involved operations. If the operation r . Final Abandonment Notices must be fi eady for final inspection.	ent details, includ , give subsurface e the Bond No. o esults in a multip iled only after all	ling estimated starting locations and measur n file with BLM/BIA le completion or reco requirements, includi	g date of any p red and true ve . Required sul mpletion in a n ing reclamation	roposed work and approxi- rrtical depths of all pertine bsequent reports must be f new interval, a Form 3160 n, have been completed an	mate duration thereof. Int markers and zones. Ied within 30 days -4 must be filed once d the operator has
Chevron respectfully r Please refer to the att should questions arise	equest to make changes to the c ached 9-point plan. a, please contact denise pinkerto	original permit n @ jlbm@ch	evron.com			
14 I hereby certify that the fo	regoing is true and correct		[
	Electronic Submission # For CH	#378983 verifie EVRON USA IN Sessing by PRI	d by the BLM Well C, sent to the Ho SCILLA PEREZ or	I Information	1 System	
Name(Printed/Typed) D	ENISE PINKERTON	cooling by I iti	Title PERMIT	TING SPE	CIALIST	
				-		
Signature (E	lectronic Submission)		Date 06/15/20	017		
	THIS SPACE F	OR FEDER	L OR STATE	OFFICE U	SE	
		<u>k</u>	Τ			
_Approved By_ZOTA STEV	'E <u>NS</u>		TitlePETROLE	UM ENGINI	EER	Date 08/24/2017
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 Hobbs						
Title 18 U.S.C. Section 1001 and States any false, fictitious or fi	1 Title 43 U.S.C. Section 1212, make it a audulent statements or representations a	a crime for any post s to any matter w	erson knowingly and ithin its jurisdiction.	willfully to ma	ake to any department or a	gency of the United
(Instructions on page 2) ** BL	M REVISED ** BLM REVISE	D ** BLM R	EVISED ** BLM) ** BLM REVISED	** Kn

ONSHORE ORDER NO. 1 Chevron SD EA 29/32 Fed Com P8 12H Lea County, NM

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA TVD	KBTVD	MD
Rustler		800	
Castile		3480	
Lamar		4900	
Bell Canyon		4930	
Cherry Canyon		5970	
Brushy Canyon		7620	
Bone Spring Limestone		9090	
Upr. Avalon		9120	
Top Bone Spring 1		10040	
Top Bone Spring 2		10700	
Top Bone Spring 3		11740	
Wolfcamp		12140	
Wolfcamp A1		12193	
Wolfcamp A2		12,523	
Lateral TD (Wolfcamp A2)		12,523	20000

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	pected Base of Fresh Water	700
Water	Rustler	800
Water	Bell Canyon	4930
Water	Cherry Canyon	5970
Oil/Gas	Brushy Canyon	7620
Oil/Gas	Bone Spring Limestone	9090
Oil/Gas	Upr. Avalon	9120
Oil/Gas	Top Bone Spring 1	10040
Oil/Gas	Top Bone Spring 2	10700
Oil/Gas	Top Bone Spring 3	11740
Oil/Gas	Wolfcamp	12140
Oil/Gas	Wolfcamp A1	12193
Oil/Gas	Wolfcamp A2	12,523

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

3. BOP EQUIPMENT

Will have a minimum of a 10000 psi rig stack (see proposed schematic) for drill out below surface (Wolfcamp is not exposed until drillout of the intermediate casing). Could possibly utilize the 5000 psi rig stack (see proposed schematic) for drill out below surface casing due to the availabity of 10 M annular. (Wolfcamp is not exposed until drillout of the intermediate casing) 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 UH2 Multibowl wellhead, which will be run through the rig foor 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 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.

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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 #	J55	STC	New
Intermediate	0'	11,500'	12-1/4"	9-5/8"	43.5#	HCK-L80	LTC	New
Liner	10,850'	12,300'	8-1/2"	7-5/8"	29.7 #	HCP-110	H513	New
Production	0'	12,500'	6-3/4"	5.5"	20#	P-110-ICY	TXP BTC	New
(Taper String)	12,500'	20,000'	6-3/4"	5"	18#	P-110 IC	TSH521	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 recalcuated & 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:

Surface Casing:	850'			
Intermediate Casing:	11,200' TV	D		
Production Casing:	23,000' ME)/12,750' TVD (10,300' VS	@ 90 deg inc)	
Casing String	Min SF Burst	Min SF Collapse	Min SF Tension	Min SF Tri-Axial
Surface	1.36	3.12	3.17	1.70
Intermediate	1.12	1.44	1.93	1.37
Liner	1.69	5.36	2.50	2.09
Production	1.11	1.23	1.97	1.37

Min SF is the smallest of a group of safety factors that include the following considerations:

	Surf	Int	Liner	Prod
Burst Design				
Pressure Test- Surface, Int, Prod Csg		X	X	X
P external: Water				
P internal: Test psi + next section heaviest mud in o	sg			
Displace to Gas- Surf Csg	X			
P external: Water				
P internal: Dry Gas from Next Csg Point				
Frac at Shoe, Gas to Surf- Int Csg		X	X	
P external: Water				
P internal: Dry Gas, 16 ppg Frac Gradient				
Stimulation (Frac) Pressures- Prod Csg				X
P external: Water				
P internal: Max inj pressure w/ heaviest injected flui	d			
Tubing leak- Prod Csg (packer at KOP)				X
P external: Water				
P internal: Leak just below surf, 8.7 ppg packer fluid	t			
Collapse Design				
Full Evacuation	X	X	X	X
P external: Water gradient in cement, mud above T	OC 0			
P internal: none				
Cementing- Surf, Int, Prod Csg	X	X	X	X
P external: Wet cement				
P internal: water				
Tension Design				
100k lb overpull	X	X	X	X

5. CEMENTING PROGRAM

Slurry	Туре	Тор	Bottom	Weight	Yield	%Excess	Sacks	Water
Surface				(ppg)	(sx/cu ft)	Open Hole		gal/sk
Tail	Class C	0'	800'	14.8	1.33	50	650	6.57
Intermediate								
Stage 2 Lead	Class C	0'	4570	11.9	2.39	100	1070	13.46
Stage 2 Tail	Class C	4570	4870	14.8	1.33	25	89	6.35
Stage 1 Lead	50:50 Poz Class C	4,870'	10,650'	11.9	2.21	25	1024	12.18
Stage 1 Tail	Class H	10,650'	11,150'	15.6	1.22	25	184	5.37
Liner								
Tail	Class H	10,850'	12,300'	15.6	1.22	17	123	5.34
Production								
Tail	Acid Soluble	10,350'	23,000'	15.6	1.2	10	1000	5.05
Pliot Hole	01 11	10 5001		17.0	0.07	10	100	
Tail	Class H	12,500'	13,000'	17.2	0.97	10	128	3.61

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.

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psi

psi

6. MUD PROGRAM

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From	То	Туре	Weight	F. Vis	Filtrate
0'	800'	Spud Mud	8.3 - 8.7	32 - 34	NC - NC
800'	11,150'	Oil Based Mud	8.7-9.2	28 - 30	25-30
11,150'	12,300'	Oil Based Mud	9.5-13.5	70 - 75	25 - 30
12,300'	20,000'	Oil Based Mud	12.0-15.0	70 - 75	25 - 30

A closed system will by 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	Vendor
Mudlogs	2 man mudlog	Int Csg to TD	Drillout of Int Csg	TBD
LWD	MWD Gamma	Int. and Prod. Hole	While Drilling	TBD
Wireline Logs	Quad Combo w/ Di-Pole Sonic, FMI	Production	After production liner	TBD

c. Conventional whole core samples are not planned.

d. A Directional Survey will be run.

8. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

a. No abnormal pressures or temperatures are expected. Estimated BHP at intermediate TD is: 5750

No abnormal pressures or temperatures are expected. Estimated BHP at production TD is: 9830

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