	DEPARTMENT OF THE IN	TERIOR OCD	Habi	FORM A OMB NO Expires:	APPROVED 0. 1004-0135 July 31, 2010
SUNDRY	BUREAU OF LAND MANA	GEMENT RTS ON WELLS	5. Leas	e Serial No. NM117126	
Do not use t abandoned w	his form for proposals to vell. Use form 3160-3 (API	drill or to re-enter an D) for such proposals.	6. If In	dian, Allottee of	r Tribe Name
SUBMIT IN TH	RIPLICATE - Other instruc	tions on reverse side.	7. If U	nit or CA/Agree	ment, Name and/or No.
. Type of Well			8. Well	Name and No.	EDERAL 2H
Oil Well Gas Well C	Other Contact:		9 API	Well No.	
CHEVRON USA INCORPOR	RATED E-Mail: CHERRER	AMURILLO@CHEVRON.COM	30-	025-42547-0	0-X1 /
a. Address 15 SMITH ROAD MIDLAND, TX 79705	10. Fie WC	ld and Pool, or I -025 G09 S2	Exploratory 53509D		
. Location of Well (Footage, Sec.,	T., R., M., or Survey Description,	NON 0	11. Co	unty or Parish, a	ind State
Sec 9 T26S R35E SWSE 23 32.051061 N Lat, 103.36981	95FSL 1980FEL	RECI	EIVED	COUNTY, N	NM
12. CHECK API	PROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, REPORT	OR OTHER	R DATA
TYPE OF SUBMISSION		TYPE O	F ACTION		
Notice of Intent	□ Acidize	Deepen	Production (Star	t/Resume)	UWater Shut-Off
Nonce of Intent	Alter Casing	Fracture Treat	Reclamation		U Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		🛛 Other
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Ab	andon	
	Convert to Injection	Plug Back	U Water Disposal		
CHEVRON USA INC REQU	ESTS TO MAKE A CHANG	E FROM THE ORIGINAL A	PD FROM BRINE B	ASE MUD TO	OIL BASED
MUD. PLEASE SEE ATTAC	is true and correct. Electronic Submission #2 For CHEVRON Committed to AFMSS for proc	193093 verified by the BLM We USA INCORPORATED, sent to cessing by LINDA JIMENEZ or	Il Information System o the Hobbs 1 08/19/2015 (15LJ153	1 5SE)	
MUD. PLEASE SEE ATTAC 4. I hereby certify that the foregoing Name(Printed/Typed) CINDY H	is true and correct. Electronic Submission #2 For CHEVRON Committed to AFMSS for proc 1 MURILLO	193093 verified by the BLM We USA INCORPORATED, sent to cessing by LINDA JIMENEZ or Title PERMI	Il Information System of the Hobbs n 08/19/2015 (15LJ153 TTING SPECIALIST	55E)	
MUD. PLEASE SEE ATTAC 4. I hereby certify that the foregoing Name(<i>Printed/Typed</i>) CINDY H Signature (Electronic	is true and correct. Electronic Submission #2 For CHEVRON Committed to AFMSS for prod 1 MURILLO	193093 verified by the BLM We USA INCORPORATED, sent to cessing by LINDA JIMENEZ or Title PERMI Date 02/26/2	Il Information System of the Hobbs n 08/19/2015 (15LJ153 TTING SPECIALIST 2015	55E)	DOVED
4. I hereby certify that the foregoing Name(Printed/Typed) CINDY H Signature (Electronic	is true and correct. Electronic Submission #2 For CHEVRON Committed to AFMSS for prod 1 MURILLO : Submission) THIS SPACE FO	193093 verified by the BLM We USA INCORPORATED, sent to cessing by LINDA JIMENEZ or Title PERMI Date 02/26/2 R FEDERAL OR STATE	Il Information System of the Hobbs 1 08/19/2015 (15LJ153 TTING SPECIALIST 2015 OFFICE USE	5SE)	ROVED
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MUD. PLEASE SEE ATTAC 4. I hereby certify that the foregoing Anme(Printed/Typed) CINDY H Signature (Electronic pproved By	is true and correct. Electronic Submission #2 For CHEVRON committed to AFMSS for prod 1 MURILLO : Submission) THIS SPACE FO ned. Approval of this notice does quitable title to those rights in the duct operations thereon. 3 U.S.C. Section 1212, make it a	193093 verified by the BLM We USA INCORPORATED, sent to bessing by LINDA JIMENEZ or Title PERMI Date 02/26/2 PR FEDERAL OR STATE Title not warrant or subject lease Office	Il Information System o the Hobbs 1 08/19/2015 (15LJ153 TTING SPECIALIST 2015 OFFICE USE	SSE)	ADJ2015 ADJ2015 Tris Walls LAND MANAGEMEN Agency of the United

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ONSHORE ORDER NO. 1 Chevron Operating Inc. Talco 9-26-35 Fed 2H Lea, NM CONFIDENTIAL -- TIGHT HOLE DRILLING PLAN PAGE: 1

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA	KBTVD	MD
Rustler	2166	1037	
Magenta Dolomite	2119	1084	
Salado	1884	1319	
Castile	-432	3635	
Lamar	-2094	5297	
Bell Canyon	-2140	5343	
Cherry Canyon	-3123	6326	
Brushy Canyon	-4615	7818	
Bone Spring Limestone	-5995	9198	
1st Bone Spring	-7192	10395	
2nd Bone Spring	-7990	11193	
3rd Bone Spring	-8998	12201	
Pilot TD	-9626	12786	12786
Lateral TD (3rd Bone Spring)	(9,388)	12,591	17157

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	1,084
Water	Rustler	1037
Water	Bell Canyon	5343
Water	Cherry Canyon	6326
Oil/Gas	Brushy Canyon	7818
Oil/Gas	Bone Spring Limestone	9198
Oil/Gas	1st Bone Spring	10395
Oil/Gas	2nd Bone Spring	11193
Oil/Gas	3rd Bone Spring	12201
Oil/Gas	Wolfcamp A	12666

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

3. BOP EQUIPMENT

Will have a minimum of a 5000 psi rig stack (see proposed schematic) for drill out below surface casing. Stack will be tested as specified in the attached testing requirements. Chevron requests a variance to use A coflex hose with a <u>metal protective covering</u> that will be utilized between the BOP and Choke manifold. Please see the attached testing and certification information.

Chevron requests a variance to use a GE/Vetco SH-2 Multibowl wellhead, which will be run through the rig foor on surface casing. BOPE will be nippled up and test after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from GE/Vetco 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.

1.6

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4. CASING PROGRAM

a. The proposed casing program will be as follows:

	See Original Coll							
Purpose	From	То	Hole Size	Csg Size	Weight	Grade	Thread	Condition
Surface	0' 114	1,100-	17-1/2"	13-3/8"	54.5 #	J-55	STC	New
Intermediate	0'	9,200'	12-1/4"	9-5/8"	43.5#	HCP-110	LTC	New
Production	0'	17,157	8-1/2"	5-1/2"	17.0 #	HCP-110	CDC	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 desig	<u>in.</u>
Surface Casing:	1500'		
Intermediate Casing:	9300		
Production Casing:	17500' MD/	13000' TVD (5000' VS @ 9	0 deg inc)
Casing String	Min SF Burst	Min SF Collapse	Min SF Tension
Surface	1.2	1.2	1.6
Deep Intermediate	1.2	1.2	1.6

1.2

Production

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

Ruret Docian	Surf	Int	Prod
Pressure Test- Surface. Int. Prod Csg	x	x	X
P external: Water			1
P internal: Test psi + next section heaviest mud in csg			
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	
P external: Water			
P internal: Dry Gas, 15 ppg Frac Gradient			
Stimulation (Frac) Pressures- Prod Csg			X
P external: Water			
P internal: Max inj pressure w/ heaviest injected fluid			
Tubing leak- Prod Csg (packer at KOP)			X
P external: Water			
P internal: Leak just below surf, 8.7 ppg packer fluid			
Collapse Design			
Full Evacuation	X	X	X
P external: Water gradient in cement, mud above TOC			
P internal: none			
Cementing- Surf, Int, Prod Csg	X	X	X
P external: Wet cement			
P internal: water			
Tension Design			
100k lb overpull	X	X	X

1.2

5. CEMENTING PROGRAM

Slurry	Туре	Тор	Bottom	Weight	Yield	%Excess	Sacks	Water
Surface				(ppg)	(sx/cu ft)	Open Hole		gal/sk
Lead	C + 4% Gel+2%CaCl	0,	800'	13.5	1.75	150	746	9.18
Tail	Class C+2%CaCl	800'	1,100'	14.8	1.36	150	441	6.39
Intermediate								
1st Stage Lead	50% Class H+ 50% Silicalite +2% Gel	5,200'	8,600'	11.3	2.54	30	545	15.51
1st Stage Tail	Class C	8,600'	9,200'	14.8	1.33	30	213	6.57
2nd Stage Lead	65C/35Poz +6%Gel +5%Salt	0'	4,900'	12.9	1.87	100	1494	9.87
2nd Stage Tail	Class C	4,900'	5,200'	14.8	1.33	100	141	6.57
Production								
1st Lead	50% Class H+ 50% Silicalite +2% Gel	4,700'	11,614'	11.3	2.54	75	843	15.07
2nd Lood	Versacem	11,614'	12,864'	13.2	1.61	75	315	8.10
2110 Leau	(Halliburton)							
Tail	Acid Soluble Cement	12,864'	17,157'	15	2.6	35	511	11.2

1. Final cement volumes will be determined by fluid 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.

4. Intermediate cement job will be performed in 2 stages with a DV tool with at ~5200'. An ECP will placed below the DV tool and inflated before pumping the 2nd stage

Pilot Hole Plugging Plan:

The 8-1/2" pilot hole will TD in the Wolfcamp Shale at ~12,786' (exact depth of Pilot TD will depend on geologic tops encountered whill drilling). An open hole cemented whipstock will be utilized with 2-7/8" tail pipe. The tail 2-7/8" tail pipe will be cemented in place from the Pilot hole TD of 12,786' MD/TVD to the whipstock/KOP at 12114' MD/TVD (KOP subject to change after evaluating Pilot Hole logs).

Plug	Slurry	Туре	Тор	Bottom	Weight	Yield	%Excess	Sacks	Mix Water
					(ppg)	(sx/cu ft)	Open Hole	1.	Gal/Sk
Pilot Hole	Plug								1
Plug	Cement	Class H	12,114'	12,786'	17.2	0.97	35	391	3.61

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psi

6. MUD PROGRAM

From	To	140 Type	Weight	F. Vis	Filtrate
0,	1,100'	Spud Mud	8.3 - 8.7	32 - 34	NC - NC
1,100	3,635'	Brine	9.5 - 10.1	28 - 29	NC - NC
3,635'	9,200'	Sprayberry Mud	8.9 - 9.3	3-9	5-7
9,200'	12,114'	FW/Cut Brine	8.3 - 9.5	28 - 29	NC - NC
12,114'	12,864'	Weighted Polymer	9.5 - 11.0	28 - 30	15 - 25
12,864'	17,157'	Weighted Polymer	9.5 - 11.0	28 - 29	15 - 25

After drilling through the salt section in the 12.25" hole with a saturated Brine, the mud system will be changed to a Sprayberry type mud to allow for decreased mud weights without excessive salt washout.

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	Loas	Interval	Timing	Vendor
Mudlogs	2 man mudlog	5000' to TD	Drillout of Surf Csg	TBD
LWD	MWD Gamma	Curve and Lateral	While Drilling	TBD
Wireline	Quad Combo	Pilot TD to 9200	After Pilot TD	TBD
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

c. No coring is planned

d. A Directional Survey will be run.

8. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

a. Increased pressure is expected in the base of the 3rd Bone Spring sand and

Wolfcamp. No abnormal 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