UNITED STATES

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS AWS 130 Field Office M118108

Do not use thi abandoned we	is form for proposals to di II. Use form 3160-3 (APD)	rill or to recent for such tro	GD A	rtesia	6. If Indian, Allottee o	r Tribe Name
SUBMIT IN	TRIPLICATE - Other instru	ıctions on pa	ge 2		7. If Unit or CA/Agree	ement, Name and/or No.
1. Type of Well Oil Well Gas Well Oth	ner				8. Well Name and No. HH SO 8 P2 21H	
Name of Operator CHEVRON USA INCORPORA	Contact: Di ATED E-Mail: djvo@chevro	ORIAN K. FUE on.com	NTES		9. API Well No. 30-015-43927-0	00-X1
3a. Address 15 SMITH ROAD MIDLAND, TX 79705		3b. Phone No. (in Ph: 432-687-7			10. Field and Pool or I WILDCAT 98220 Puri	Exploratory Area
4. Location of Well (Footage, Sec., T	C., R., M., or Survey Description)				11. County or Parish,	State
Sec 17 T26S R27E NWNW 20	D5FNL 960FWL				EDDY COUNTY	/, NM
12. CHECK THE AI	PPROPRIATE BOX(ES) T	O INDICATE	NATURE O	F NOTICE,	REPORT, OR OTH	HER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		
☑ Notice of Intent	☐ Acidize	□ Deeper		☐ Product	tion (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydrau	lic Fracturing	Reclam	ation	■ Well Integrity
☐ Subsequent Report	□ Casing Repair	□ New C	onstruction	Recom	plete	⊠ Other
☐ Final Abandonment Notice	☐ Change Plans	Plug ar	d Abandon	☐ Tempor	rarily Abandon	Change to Original A PD
	☐ Convert to Injection	🗖 Plug B	ick	□ Water I	Disposal	*-
Chevron U.S.A. INC., respect 10/11/2016. Chevron request to change th BHL FROM - 180 FNL & 330	e wellbore location and the	drilling plan:	nal drill permit	approved	NM OIL COI	VSERVATION DISTRICT
TVD FROM 8918 to 9072 MD FROM 19401 to 19378	1 WE 10 200 1 ME & 300 1 V	· · ·				3 2017
Change the class of well from		ditioned	COA ?o	not 1		EIVEO
14. I hereby certify that the foregoing is	s true and correct. Electronic Submission #36 For CHEVRON US itted to AFMSS for processir	32657 verified b SA INCORPORA ng by DEBORA	y the BLM Wel TED, sent to t	I Informatio he Carlsbac on 01/24/201	n System I 7 (17DLM0626SE)	
	K. FUENTES			ATORYCE		
Signature (Electronic S	Submission)	D	ate 01/04/20	717	NOVED	
	THIS SPACE FOR	R FEDERAL			SE 9 2017	
Approved By MUSTAFA HAQUE			itlePETROLE		ANAGEMENT	Date 02/09/2017
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conductive the	uitable title to those rights in the si	ubject lease	Office Carlsbac		D FIELD OFFICE	
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				willfully to m	ake to any department or	agency of the United

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

Ruf 4-13-17

Additional data for EC transaction #362657 that would not fit on the form

32. Additional remarks, continued

Please refer to the attached C-102 and the drilling plan. Should questions arise, contact djvo@chevron.com or 432-687-7631.

District 1 1625 N French Dr. Hobbs, NM 88240 Phone (575) 393-6151 Fax (575) 393-0720 District II 811 S. First St., Artesia, NM 8821; Phone (575) 748-1283 Fax (575) 748-9720 10 × Rio Brazos Road, Azret, NM 874 0

1220 S St Francis Dr. Santa Fe, NM 87505 Phone (505) 476-3460 Fax (505) 476-3462

2 Dedicated Acres

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Phone (505) 334-6178 hax (505) 334-6170 Santa Fe, NM 87505 District IV

26 SOUTH 27 EAST, N.M.P.M.

Consolidation Code

Joint or Infill

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

WEST

☐ AMENDED REPORT

EDDY

WELL LOCATION PLAT

State of New Mexico

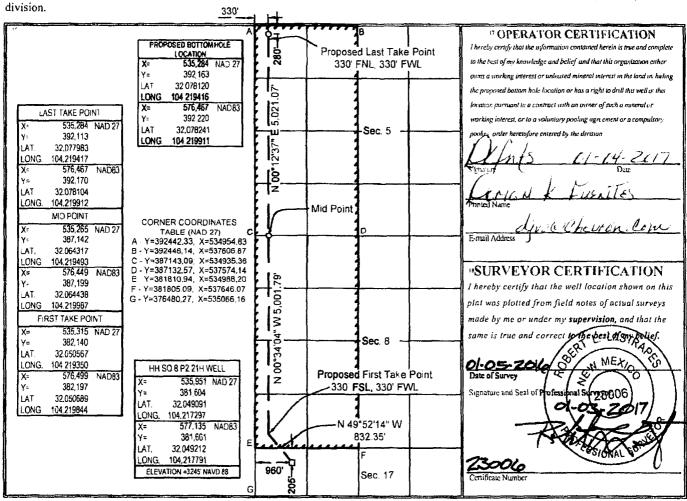
1	'API Nun		2 Pool Co	ode	Purpi	ب ا	3 Pool Nam	c	, ,	Ì	
30-0	75- 4	13421	94891		SAGE A	e Grad W	ILPAMP	125	E (G	As)	
1 .	ty Code			* P	roperty Name	,	70,			ell Number	
3110	43			H	IH SO 8 P2					2111	
'OGR				•0	perator Name				9 -	Elevation	
432	3			CHEVE	CHEVRON U.S.A. INC.					3245'	
				Sur	face Locat	ion					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Epsi/W	est line	County	
D	17	26 SOUTH	27 EAST, N.M.P.M.		205'	NORTH	960'	WES	ST	EDDY	
			Bottom H	ole Locat	ion If Diffe	erent From S	Surface				
UI, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Fast/W	est line	County	

2801

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the

NORTH

330'



CONFIDENTIAL -- TIGHT HOLE DRILLING PLAN PAGE: 1

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA TVD	KBTVD	MD
Castille		505	
Lamar		2028	
Bell		2073	
Cherry		2922	
Brushy		4042	
Bone Spring/Avalon		5649	
First Bone Spring Sand		6564	
First Bone Spring Shale		6914	
Second Bone Spring Sand		7249	
Harkey Sand		8123	
Third Bone Spring Sand		8405	
Wolfcamp A		8745	
Lateral TVD Wolfcamp A		9072	19378.32

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	Expected Base of Fresh Water	450
Water	Castille	505
Water	Cherry Canyon	2922
Oil/Gas	Brushy Canyon	4042
Oil/Gas	Bone Spring Limestone	6564
Oil/Gas	First Bone Spring Shale	6914
Oil/Gas	Second Bone Spring Sand	7249
Oil/Gas	Harkey Sand	8123
Oil/Gas	Wolfcamp A	8745

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

3. **BOP EQUIPMENT**

PLEASE REFERENCE MPD

CONFIDENTIAL -- TIGHT HOLE DRILLING PLAN PAGE: 2

4. CASING PROGRAM

Purpose	From	То	Hole Size	Csg Size	Weight	Grade	Thread	Condition
Surface	0'	450'	17-1/2"	13-3/8"	54.5#	J-55	STC	New
Intermediate	0'	9,150'	12-1/4"	9-5/8"	43.5#	L-80	TXP	New
Production	0'	19,378'	8-1/2"	5-1/2"	20.0#	P-110	TXP	New

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

Surface Casing:

450'

Intermediate Casing:

9015'

Production Casing: 19378.3 MD/9,072' TVD (10,000' VS @ 89.16 deg inc)

Casing String	Min SF Burst	Min SF Collapse	Min SF Tension	Min SF Tri-Axial
Surface	1.82	5.11	3.97	2.31
Intermediate	2.9	1.34	1.79	2.22
Production	1.26	1.66	2.54	1.31

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

	Surf	Int	Prod
Burst Design			
Pressure Test- Surface, Int, Prod Csg	X	X	X
P external: Water			
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			Χ
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	1		
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	Х

5. **CEMENTING PROGRAM**

		Cement	Cement				• • • • •	
Slurry	Туре	Тор	Bottom			%Excess	Sacks	Water
<u>Surface</u>				(ppg)	(sx/cu ft)	Open Hole		gal/sk
Tail	Class C	0'	450'	14.8	1.33	50	356	6.37
<u>intermediate</u>								
Stage 2 Lead	50:50 Poz: Class C + Antifoam, Extender, Salt, Retarder	0'	1,100'	11.9	2.43	50	213	14.21
Stage 2 Tail	Class C + Antifoam, Retarder, Viscosifier	1,100'	2,100'	14.8	1.33	0	235	6.37
DV Tool	Tool		00'				· · · ·	
Stage 1 Lead	50:50 Poz: Class H + Extender, Antifoam, Retarder, Salt, Viscosifier	2,100'	8,150'	11.9	2.43	100	1524	13.76
Stage 1 Tail	Class H + Retarder, Extender, Dispersant	8,150'	9,150'	15.6	1.21	50	389	5.54
<u>Production</u>								
Lead	50:50 Poz: Class H + Extender, Antifoam, Dispersant, , Retarder	7,015'	8,015'	14.5	1.21	100	430	5.54
Tail	Class H + Viscosifier, Antifoam, Dispersant, Fluid Loss, Retarder, Expanding Agent	8,015'	19,402'	15.6	1.2	50	3258	5.30

ONSHORE ORDER NO. 1 Chevron HayHurst SO 8 P2 #21H Eddy County, NM CONFIDENTIAL -- TIGHT HOLE DRILLING PLAN PAGE: 4

6. MUD PROGRAM

Γ	From	То	Туре	Weight	F. Vis	Filtrate
	0'	450'	Spud Mud	8.3 - 8.7	32 - 34	NC - NC
	450'	9150'	OBM	9.0 - 9.5	50 -70	5.0 - 10
Γ	9150'	19,378'	ОВМ	10.0 - 13.5	50 -70	5.0 - 10

7. TESTING, LOGGING, AND CORING

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

8. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

PLEASE REFERENCE MDP