Santa Fe Main Office Phone: (505) 476-3441	State of New Mexico					Form C-103
General Information Phone: (505) 629-6116	Energy, Minerals and Natural Resources			WELL API NO		rised July 18, 2013
· ,	OIL CONSERVATION DIVISION				30-025-	
Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us	16.			5. Indicate Type STATE		BLM/Federal EE
		e, NM 87		6. State Oil &		
OF DEDUCATION	TOPO AND DEBODES ON	1 11/PL 1 O		7 1	I Ini+ A	racer and Nome
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPE	ICES AND REPORTS OF DSALS TO DRILL OR TO DEED		JG BACK TO A		_	reement Name
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)			Federal Lease: NMNM 118722			
1. Type of Well: Oil Well	Gas Well Other	Salt wa	ter disposal	8. Well Numb		1
2. Name of Operator	Chevron U.S.A. Inc.			9. OGRID Nu		323
3. Address of Operator				10. Pool name		
	Deauville Blvd, Midlan	d, TX 79	9706		SWD	, Delaware
4. Well Location Unit Letter	1928 feet from the	south	line and	870 feet	from the	west line
Section 13	Township 26		11110 tanta	NMPM Le		
	11. Elevation (Show w	hether DI	R, RKB, RT, GR, etc.	.)		
	3204' NAVI) 88 (gr	ound elevation)		
12. Check	Appropriate Box to In	dicate N	ature of Notice,	Report or Oth	ier Data	
NOTICE OF I	NTENTION TO:		l SUB	SEQUENT F	REPORT	OF:
PERFORM REMEDIAL WORK			REMEDIAL WOR	K [] ALTERI	NG CASING □
TEMPORARILY ABANDON			COMMENCE DRI] PAND/	A 🗆
PULL OR ALTER CASING DOWNHOLE COMMINGLE			CASING/CEMEN	I JOB _	J	
CLOSED-LOOP SYSTEM]					
OTHER:	See below	X	OTHER:			
1. Conduct 3 diagnostic	: fracture injection te	sts (DF	Ts) on the Bru	shv Canvon	Formatio	n.
2. Conduct 3 DFITs on	both the Cherry Car	yon and	d Bell Canyon I	Formations.	The perr	nit approval
does not specifically red	uire a C-103 to be s	ubmitte	d for these DFI	Ts. Chevro	n is includ	ling them in
this C-103 so that the O when integrated with Ite		s the co	mpiete sequei	ice and geor	neuy or u	ne operations
3. Conduct a step rate	test (SRT) on the isc	lated C	herry Canyon I	Formation ar	nd then a	SRT on the
isolated Bell Canyon Formation.						
See attached PDF for the sequential steps and description of DFITs and SRTs on the Papa Squirrel						
SWD 1.						
····						
Spud Date: 4/21/25 (curren	tly expected) Rig	Release D	ate: 5/6/2025	(currently expe	ected)	
I hereby certify that the informatio	n above is true and comple	te to the b	est of my knowleds	e and belief.		
1	4					
SIGNATURE JOWN	Sunfeel TIT	LE <u>Sen</u>	ior Earth Scientis	<u> </u>	_DATE	March 19, 2025
Type or print name G.T. (Tom) Me	rrifield PG (CA/TX) F_m	ail addres	s: TomMerrifield@	chevron.com	PHONE: (61-448-7489
For State Use Only	E-II	iaii addios	·			
APPROVED BY:Conditions of Approval (if any):	TIT	LE			_DATE	
Conditions of Approval (if any):						

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human energy company

Papa Squirrel
MITs, DFITs, and SRTs Proposed Program

February 27, 2025

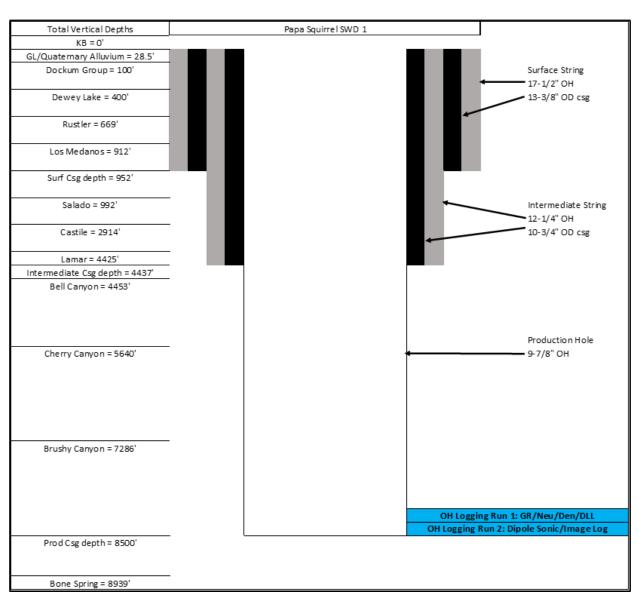


Purpose

- Walk through Chevron's planned Geomechanical data acquisition program for the Papa Squirrel SWD.
- Goals are to understand formation stress information and overall injectivity within the Bell and Cherry CYN FMs.
- Well design, casing point and overall casing program overview
- Proposed SRT and DFIT program.
 - Data to be collected
 - Step 1: DFIT data within the Brushy CYN FM to understand fracture pressure stress limits (non-injection target)
 - Step 2: SRT and DFIT within the Cherry CYN FM (lower injection interval)
 - Step3: SRT and DFIT within the Bell CYN FM (upper injection interval)
 - Step 4: Submit SRT & MIT and secure approval before start of injection



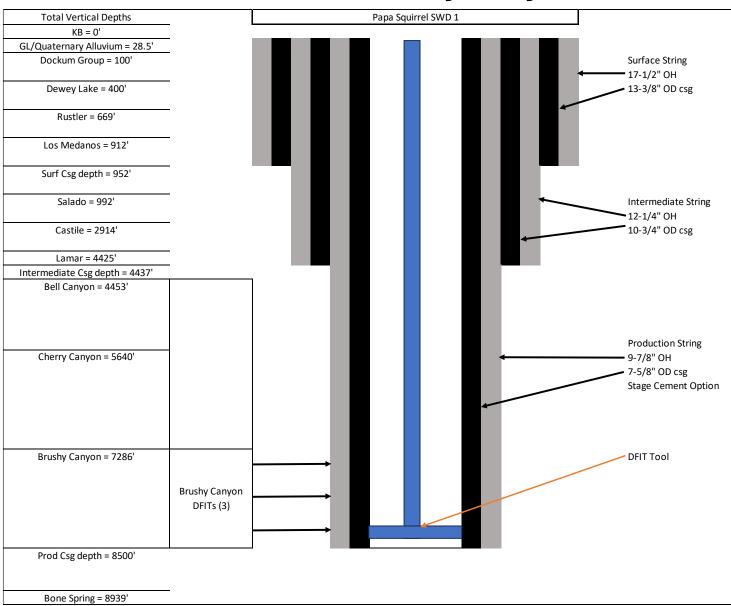
Injection Cased Hole Logs



- Drill out intermediate shoe to TD.
- Conduct Run 1 OH logs: GR/Neu/Den/DLL
- Conduct Run 2 OH logs: Dipole Sonic/Image Log
- Data to be provided to OCD



Brushy Canyon Fm DFITS (Non-injection target, data collection only)

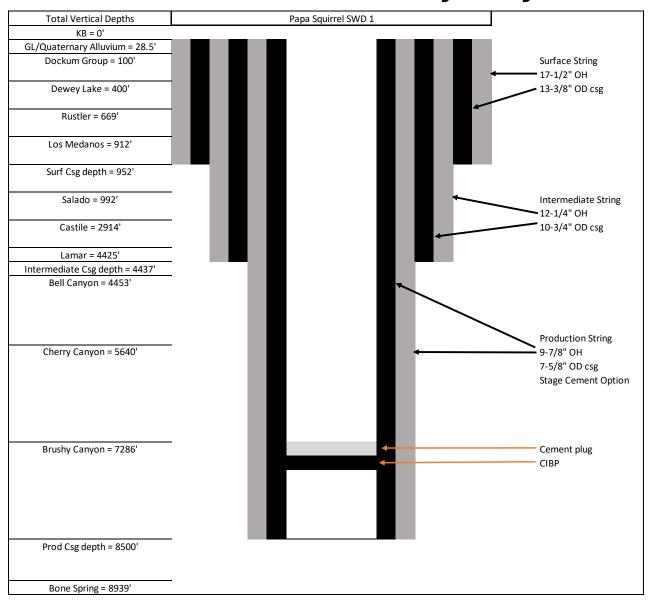


Brushy Canyon Formation action

- Perforate holes and run 3 DFITs
- Target
 - Carbonate
 - o **Sand**
 - o Shale

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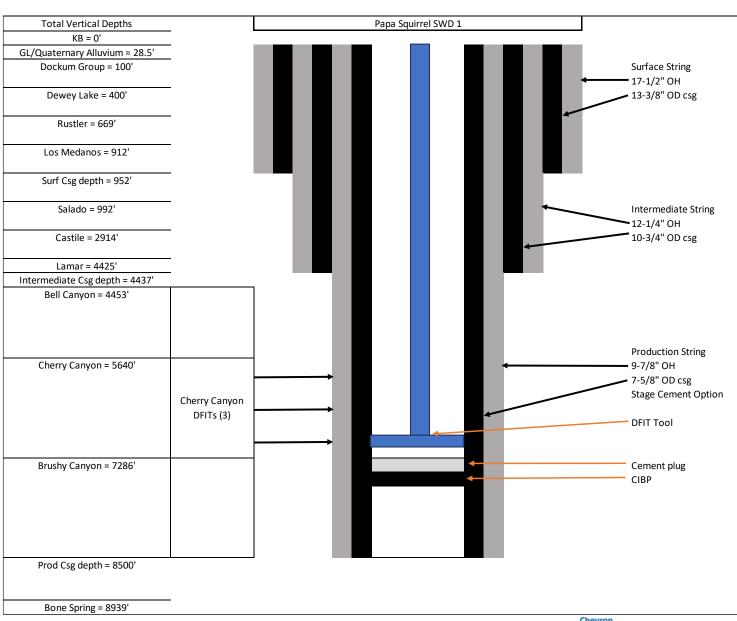
Brushy Canyon Fm: Abandonment



- Set CIBP as close to the Brushy as possible (set depth for CIBP to be determined on formation tops) and pressure test mechanical barrier per NMOCD and Chevron standards.
- Spot 100' of cement on top of CIBP.
 - Class C or H cement depending on depth



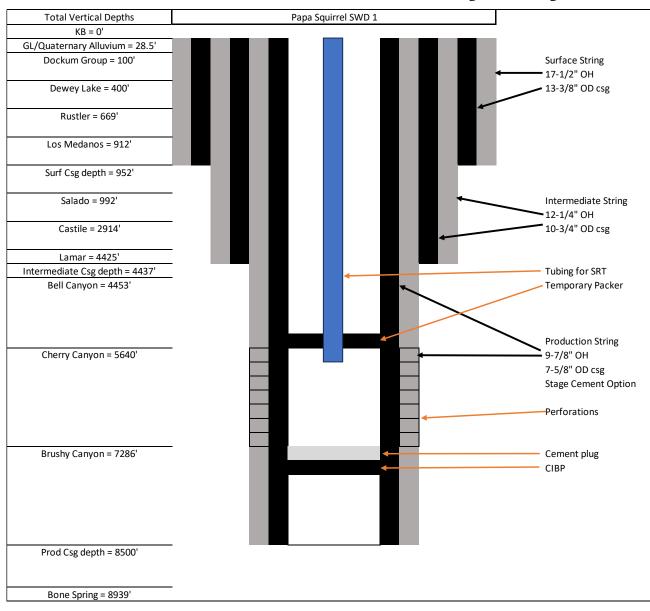
Cherry Canyon Fm DFITs



Cherry Canyon Formation action

- Perforate holes and run 3 DFITs
- o **Target**
 - Carbonate
 - Sand
 - o Shale

Cherry Canyon Fm Perforations and SRT



- Perforate remaining section of Cherry
 Canyon Formation post DFIT (check logs to evaluate the injection quality of lower
 Cherry that may not be perforated due to tool configuration)
- Run in memory pressure gauge and tubing/ packer. Set Packer.
- Pressure Test Packer (MIT must pass)

SRT Procedure

Rig Up pumping equipment and start SRT

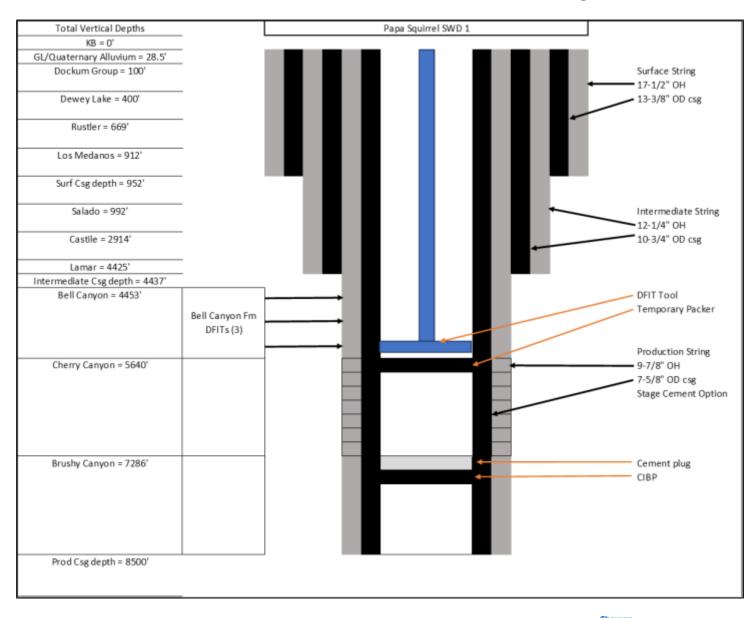
Cherry Canyon				
Step	% of max rate	rate (BPM)	Duration (min)	
1	5%	0.5	60	
2	10%	1.0	60	
3	20%	2.0	60	
4	40%	4.1	60	
5	60%	6.1	60	
6	80%	8.2	60	
7	100%	10.2	60	

^{*}Rates calculated using Darcy's Law and estimated DMG pore pressure/frac gradients



^{*}Higher rates expected in the Cherry formation than Bell formation due to thickness

Bell Canyon Fm DFITs

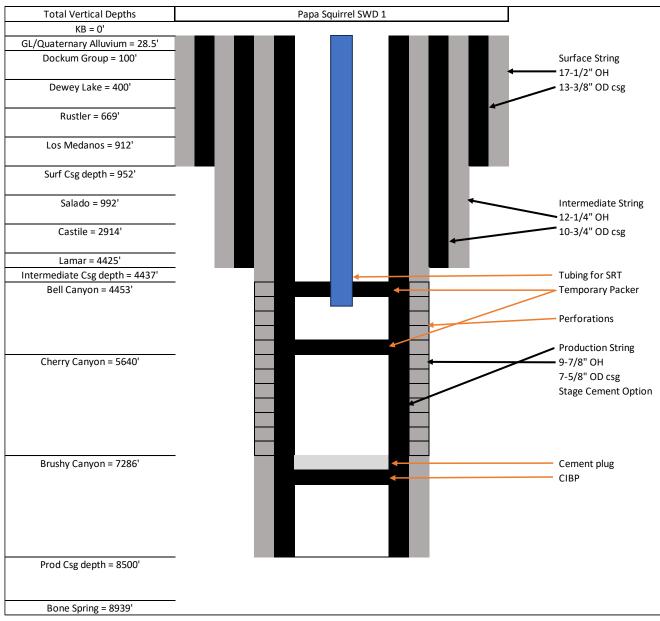


Bell Canyon Formation action

- Perforate holes and run 3 DFITs
- Target
 - Carbonate
 - Sand
 - o Shale



Bell Canyon Fm Perforations and SRT



- Perforate remaining section of Bell Canyon Formation post DFIT (check logs to evaluate the injection quality of lower Bell that may not be perforated due to tool configuration)
- Run in memory pressure gauge and tubing/packer. Set Packer.
- Pressure test Packer (MIT must pass)
- Execute SRT

SRT Procedure

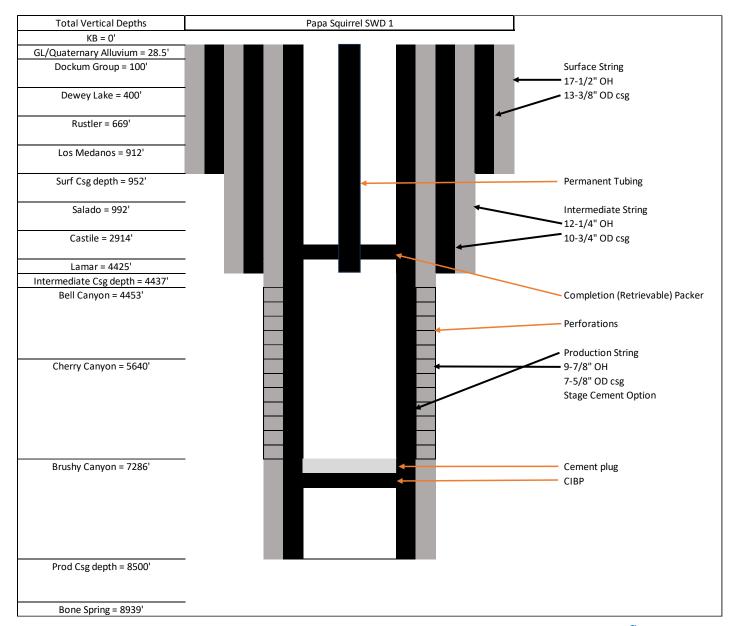
Bell Canyon				
Step	% of max	BPM	Duration (min)	
1	11%	0.5	60	
2	20%	0.9	60	
3	30%	1.4	60	
4	40%	1.9	60	
5	60%	2.8	60	
6	80%	3.8	60	
7	100%	4.7	60	

^{*}Rates calculated using Darcy's Law and estimated DMG pore pressure/frac gradients

- Pull tubing/packer
- Pull RBP isolating Cherry Canyon



Final Completion Run (upon approvals)



- Make final completion run with 5.5" tubing and 7-5/8" packer. Set Packer per NMOCD permit.
- Conduct MIT and submit results of MIT and SRTs to NM OCD.
- Land tubing and terminate TEC line for DHPG.
- Nipple Up Injection Tree.
- Wait for all final approvals before starting injection.



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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 444392

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	444392
	Action Type:
	[C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	Please ensure adherence to OCD's SRT guidelines. Once the SRT is conducted, kindly submit the results for OCD to review.	3/21/2025