District I 1625 N French Dr, Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-May 27, 2

Oil Conservation Division
1220 South St. Francis D. Submit to appropriate District Of
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, JAN 2 3 2008 PLUGBACK OR ADD A ZONE

PLUGBAC	CK, OR A	ADD A	A ZONE					0 0	-				
	•	1	Operator Name		SS			HC)[RRC	2º00	RHB Numb	per /
CHEVRON U S A INC. 15 SMITH ROAD								M 8 0			3	PI Number	-
MIDLAND, TEXAS 79705									٠ ٠	30 - 025 - 03		r i Number	
³ Property Code Source VACUUM GRAYBURG					Name 6 Well No								
30022		9 D	roposed Pool 1	VACOU.	- CRATBORG	10 Proposed Pool 2							
	VACI		AYBURG SAN	ANDRES		1 toposed 1 001 2							
⁷ Surface Location													
	ection Tow	nship S	Range 34-E	Lot I	dn Feet fr					et from the 660	East/West li EAST		Centity LEA
⁸ Proposed Bo	ottom Hole	Location	on If Different	From S	urface		1						
							North/South line		Feet from the		Eas	t/West line	County
A 13::: 13	XX 11 T C										l		
Additional		rmati			12 14			14		= 0.1		15.0	
11 Work Typ	<u> </u>	OIL			Cable/Rotary		¹⁴ Lease Type Code S			15 Ground Level Elevation 4002'			
16 Multip NO	iple		¹⁷ Proposed Dept 4850'	h 18 Formation SAN ANDRE			19 Contractor		ontractor		²⁰ Spud Date		
Depth to Groundy	water		4650	Distance from nearest fresh water w			well		Distance from r		m neare	earest surface water	
Pit Liner Sy	ynthetic	mı	ls thick Clay	Pıt V	olume bb	ls	Dt	rilling Met	hod				
	Loop System			_			<u>Fr</u>	esh Water		Brine D	iesel/Oi	l-based	Gas/Air
²¹ Proposed	l Casing a	ınd Ce	ement Progr	am								***	
Hole Size		Casing Size		Casing weight/foot			Setting Depth		Sacks of Cement		ement	t Estimated TOC	
NO CHAN	IGE .												
		,											
									\perp				
			,		******								
Describe the blo CHEVRON U S THE VGSAU CO	owout prevent A INC. INT O2 PROJECT ONE LATER	tion prog ENDS T PHASE	gram, if any Uso O DEEPEN THE E 1 AREA THE	e addition: E SUBJEC PLANS I	al sheets if neces T WELL TO TH FOR THIS PRO	sary IE SAN IECT AF	ANDRES	S TRANSI OMMENO	TION EE CC	ZONE. TH	E SUB ON INT	JECT WE O THE M	d new productive zo LL IS LOCATED IN AIN PAY & OVERALL PLAN F
THE INTENDED	D PROCEDU	RE ANI	O WELLBORE I	DIAGRAN	M IS ATTACHE	D FOR	YOUR AI	PPROVAI					
A PIT WILLNO	T BE USED	FOR TH	IIS DEEPENING	A STEI	EL FRAC TANK	WILL	BE UTIL	IZED					
	Perm	it Ex	pires 1 Ye Inless D rii	a s Fro	m Approvi	ત્રા							
		ate L	Jnless Ωπ	ing U	nderway								
			D	eepe	in .								
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or					OIL CONSERVATION DIVISION								
an (attached) alternative OCD-approved plan . Signature Signature Signature						Approved by							
Printed name DENISE PINKERTON						Title: The Philosophis of the special property come a serie of a serie of the series o							
Title REGULATORY SPECIALIST					Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER Approval Date Expiration Date								
E-mail Address leakejd@chevron com						JAN 2 4 2008							
Date 01-22-2008 Phone 432-687-7375					Condi	Conditions of Approval Attached							
5400 01-22-2000	-		1110110 -132-0			Cond	OI A	77101M A					

VGSAU No. 54 API No. 30-025-02263 Vacuum (Grayburg-San Andres) Field Lea County, NM

Workover Procedure

- 1. Rig up pulling unit. ND wellhead.
- 2. POH w/ with rods and pump. NU BOP. TOH w/ tubing.
- 3. TIH w/ 4-3/4" mill tooth bit and 6, 3-1/2" drill collars on 2-7/8" workstring.
- 4. Rig up reverse unit and power swivel.
- 5. Commence drilling operations. TOH w/ mill tooth bit after starting to drill formation.
- 6. TIH w/ 4-3/4" button bit and 6, 3-1/2" drill collars on 2-7/8" workstring. Drill new open hole from 4710' to 4850'. Circulate hole clean and TOH.
- 7. TIH w/ 2-7/8" workstring w/ SN to 4850'.
- 8. Drop Vortech pulsation tool and land in SN:
- 9. Acidize new open hole 4710' to 4850' w/ 2,000 gallons 15% NEFE in four equal stages with the EOT @ 4850', 4800', 4750', and 4710'. TOH
- 10. TIH w/ 5-1/2" packer on 2-7/8" workstring and set @ 4000'.
- 11. Acidize the open hole interval 4091'-4850' w/ 6,000 gallons 15% NEFE HCl in three stages w/ 1500# graded rock salt between stages. Leave shut-in for one hour, open up well and flow back load. Release packer and TOH.
- 12. TIH w/ 4-3/4" bit on 2-7/8" workstring and clean out rock salt to 4850'. TOH.
- 13. TIH w/ production tubing. ND BOP.
- 14. Run pump and rods. NU wellhead.
- 15. Return well to production and test.

PTB 1/16/08

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VGSAU #54 Wellbore Diagram

Updated: Lease: Field: Surf. Loc.: Bot. Loc.: County: Status:	Vacuum Gra 675' f Lea	By: BSPT lyburg San Andres Unit lyburg San Andres Unit FNL & 660' FEL St.: NM ctive Oil Well	TS Un TS Dir	it Ltr.: HP/Rng: it Ltr.: HP/Rng: ections: IEVNO:	A	30-025-02263 Section: 18S-34E Section: Buckeye, NM FA3424	2
Surface Cas Size: Wt., Grd.: Depth: Sxs Cmt: Circulate: TOC: Hole Size: Wt., Grd.: Depth: Sxs Cmt: Circulate: TOC: Hole Size: Open Hole Depth: Hole Size:	7 5/8" 26.4#, LW 1554' 300 sxs Yes Surface 9 5/8"		3TD: 4,710		7/72 Acidize gals w/ RS, 8/77 Acidize NEFE 5/79 Acidize NEFE & RS 6/79 Frac: f 20/40 & 10/ 11/83 Acidize RS 1/91 Acidize gals 15% S 290 449w 1/94 Acidize 15% NEFE	Ini. Comp.:	gals 15% gals 15% 444000# s XL 15% cidize 1900 /, After:
			TD: 4,710				