Citrict 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

May 27, 2 Submit to appropriate District Of

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

MAR 1 9 2008

☐ AMENDED REPC

Form C-*101*

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, OBS OCD PLUGBACK, OR ADD A ZONE

I LUGD.	ACK, C	IK ADD		and Addre	ecc					2 00	GRID Number	<u> </u>	
¹ Operator Name and Address CHEVRON U S A INC									4323				
15 SMITH ROAD													
MIDLAND, TEXAS 79705								³ API Number 30 – 025-02251					
³ Property Code ⁵ Property								_	⁶ Well No				
	0022			VACUUM GRAYBURG SAN ANDRES				NIT	56				
			Proposed Pool 1 RAYBURG SAN	JANDRES	/				¹⁰ Proposed Pool 2				
⁷ Surface	Locatio		id I i bolto si i	THIBITES									
UL or lot no	Section	Township	Range	Lot	ldn Fe	t from the	North/S	outh line	Feet from the	East	/West line	County	
С	1	18-S	34-E			671	NORTH	I	1980	WE	ST	LEA	
8 Proposed	Bottom I	Hole Locat	ion If Differer	nt From S	urface					-		,	
UL or lot no	Section	Township	Range	Lot	ldn Fe	t from the	North/S	South line	Feet from the	Ea	st/West line	County	
Addition	al Well	Informat	ion				_d	l					
11 Work	Type Code D	/	12 Well Type Co O	de	13 (able/Rotary		14	14 Lease Type Code S		15 Grou	15 Ground Level Elevation 3993'	
	Iultiple NO		¹⁷ Proposed Dep 4850'	oth		Formation CUUM S/A		¹⁹ Contractor		²⁰ Spud Date			
Depth to Gro	undwater			Distance	e from nearest	fresh water	well		Distance from neares			est surface water	
_	Synthetic ed-Loop Sys		nıls thick Clay	☐ Pit V	olume	bbls		Orılling Method Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐					
²¹ Propos	sed Casi:	ng and C	ement Prog	ram									
Hole S	Hole Size Casing Size		Casing weight/foot			Setting Depth		Sacks of Cement		Estimated TOC			
NO CH	ANGE												
		ļ							<u> </u>				
						-							
22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone and proposed new productive zone the blowout prevention program, if any Use additional sheets if necessary										new productive zo			
CHEVRON U.S.A. INC INTENDS TO DEPEN THE SUBJECT WELL INTO THE SANANDRES TRANSITION ZONE, ACIDIZE & RETURN TO PRODUCIT THIS WORK IS IN PREPARATION THE UPCOMING VGSAU PHASE IC02 EXPANSION WHICH WILL RESULT IN CO2 INJECTION INTO SAN													
ANDRES MAIN PAY & TZ LATER THIS YEAR													
THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL													
A PIT WILL	NOT BE U	SED FOR T	HIS DEEPENIN	G									
	Pe	rmit Ex Date l	Uniess 2 Vo	zpen	m Appro	val							
²³ I hereby ce	rtify that th	e informatio	n given above is	true and co				·					
best of my knowledge and belief I further certify that the drilling pit will be								OIL C	ONSERVA'	TIO	N DIVISI	ON	
constructed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .							oved by						
Signature () () () () ()							" M. Illi						
Printed name: DIENISE PINKERTON							Tile of promote a series						
Title REGULATORY SPECIALIST							Approval Date Expiration Date						
E-mail Address. <u>leakejd@chevron dom</u>							MAR 2 4 2008						
Date 03-18-2008 Phone 432-687-7375					Cond	Conditions of Approval Attached							

VGSAU No. 56 API No. 30-025-02251 Vacuum (Grayburg-San Andres) Field Lea County, NM

Workover Procedure

- 1. Rig up pulling unit. Kill well. ND wellhead. NU BOP.
- 2. Release packer and TOH w/ 2-3/8" production tubing.
- 3. TOH w/ 4-3/4" mill tooth bit and 6 3-1/2" drill collars on 2-3/8" workstring.
- 4. Tag fill. Rig up reverse unit and clean out to 4710' if necessary. Circulate hole clean and TOH.
- 5. TIH w/ 4-3/4" button bit and 6 3-1/2" drill collars on 2-3/8" workstring. Drill new open hole section from 4710' to 4850'. Circulate hole clean and TOH.
- 6. Rig up loggers. Get on depth with Schlumberger GR-CNL log dated 1/6/79. Pull GR-CNL log from 4850' to 2850'.
- 7. TIH w/ 2-3/8" workstring and SN to 4850'. Drop Vortech pulsating sub and land in SN. Acidize* the new open hole interval w/ 2,000 gallons 15% HCl at locations directed by Technical Team. TOH.
- 8. TIH w/5-1/2" treating packer on 2-3/8" workstring and set at 3850'. Acidize* open hole interval 3968'-4850' w/ 6,000 gallons 15% HCl in four stages. Drop 1500# rock salt between stages for diversion.
- 9. Shut-in for two hours and flow back load.
- 10. Pump scale inhibitor. Shut-in over night.
- 11. RIH w/ swab and test. Determine whether to return to flowing or to run artificial lift equipment.
- * The subject well has had a history of downhole asphaltene problems. The acid should contain mutual solvent additives to minimize the formation of an emulsion and to allow for the penetration of the acid through an oil wet interface.

PTB 3/11/08

VGSAU #56 Wellbore Diagram

Lease: Vacuum Grayburg San Andrews Field: Vacuum Grayburg San Andrews Surf. Loc.: 671' FNL & 1,980' FW Bot. Loc.:	PTBP res Unit res Unit	Well #: API Unit Ltr.: TSHP/Rng: Unit Ltr.: TSHP/Rng: Directions: CHEVNO:	56 St. Lse: 857948 30-025-02251 C Section: 1 S-18 E-34 Section: Buckeye, NM FA3412
Surface Casing Size: 7 5/8" Wt., Grd.: 26.4# LW Depth: 1,521' Sxs Cmt: 300 Circulate: Yes TOC: Surface Hole Size: 9 5/8" Production Casing Size: 5 1/2" Wt., Grd.: 17# SMLS Depth: 3968' Sxs Cmt: 200 Circulate: No TOC: 2068' calc @ 60% Effy Hole Size: 4,710' Hole Size: 4,710' Hole Size: 6 1/4" Tubing Size 2 3/8" Depth 3853'	PBTD: 4,71 TD: 4,71		KB: DF: 4,004 GL: 3,993 Ini. Spud: 03/17/40 Ini. Comp.: 04/21/40 O4/21/40 O4

