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

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

Form C-
May 27, 2

Submit to appropriate District Of

☐ AMENDED REPC

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

[1] Operator Name and Address	[2] OGRID Number
CHEVRON U S A INC 15 SMITH ROAD MIDLAND, TEXAS 79705	4323 ✓
	[3] API Number 30 – 025-02264 ✓

[3] Property Code	[5] Property Name	[6] Well No
30022	VACUUM GRAYBURG SAN ANDRES UNIT	39 ✓

[9] Proposed Pool 1	[10] Proposed Pool 2
VACUUM GRAYBURG SAN ANDRES ✓	

[7] Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	2	18-S	34-E		1980	NORTH	660	EAST	✓ LEA

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
D Deepen	OIL		S	4014'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	4850'	GRAYBURG S/A		

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit: Liner: Synthetic ☐ ____ mils thick Clay ☐ Pit Volume ____ bbls
Closed-Loop System ☐

Drilling Method:
Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

[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 zo
Describe the blowout prevention program, if any Use additional sheets if necessary

CHEVRON U S A INC INTENDS TO DEEPEN THE SUBJECT WELL INTO THE SAN ANDRES TRANSITION ZONE, ACIDIZE & RETURN TO PRODUCTION

THE INTENDED PROCEDURE & WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL

A PIT WILL NOT BE USED FOR THIS DEEPENING

RECEIVED
MAR 04 2008
HOBBS OCD

Permit Expires 2 Years From Approval Date Unless ~~Drilling~~ Underway
Deepen

[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 an (attached) alternative OCD-approved plan ☐.**

Signature Denise Pinkerton

Printed name DENISE PINKERTON

Title REGULATORY SPECIALIST

E-mail Address leakejd@chevron.com

Date 03-03-2008 Phone 432-687-7375

OIL CONSERVATION DIVISION

Approved by: Chris Williams

Title OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date MAR 06 2008 Expiration Date

Conditions of Approval Attached ☐

VGSAU 39

Vacuum (Grayburg San Andres) Field, Lea County NM

API No. 30-025-02264

Procedure to: C/O, Deepen & Stim Stim T-Z

According to LOWIS this is a rod pump well w/ 50-1", 124-7/8", 8-1.75" WB.

1 MU RU PU & RU. Kill well if necessary. .

2 Un-hang well. ND horsehead. POH with rods and pump

3 ND WH. NU BOP. POH w/ prod tbg.

4 PU 4 3/4" MT bit, DC's, on 2 7/8" N-80 WS. C/O open-hole to TD @ 4710'. **Note: In 2000 the open hole was under-reamed. Well records show that an under-reamer arm and a under-reamer cone was left in the hole.** Once formation shows in returns and there is a need to trip for bit, RIH w/ 4 3/4" button bit and drill new hole to TD of 4850'. Circ hole clean. POH w/ bit.

5 MIRU Baker Atlas for logging job, log GR-CNL from new TD to 3850' (logging min.) Tie into Schlumberger's Slim Density-CNL log dated 3/29/2000. Send logs into Office.

6 TIH w/5 1/2" treating packer on 2-7/8" workstring and set at ~4075'.

7 MI RU Halliburton to acidize the San Andres open-hole interval with 8,000 gallons 15% HCL in 4 equal stages Drop 1500-2500# rock salt between stages mixed in GBW. Rate 5-6 BPM Max press 5000 psi. SI 2 hrs. Flowback to tank to recover load.

8 Kill well with 10 ppg BW if nec. Rlse Pkr & POOH with WS and PKR.

9 TIH w/ notched collar and circ out rock salt to TD of 4850'. TOH w/ WS and Notched collar.

10 GIH w/ Pkr on WS set pkr @ ~4075'. Sqz Open-hole interval w/ scale inhibitor per Baker Petrolite recommendation. SI over night. POH w/ WS & Pkr LD.

11 RIH with Production equipment as per ALCR-Bobby Hill. Hang well on.

12 Clean location. RDMO PU & RU.

Turn well over to production department.

LGB 1/29/08

VGSAU #39 Wellbore Diagram

Created:	11/05/03	By: SMG	Well #:	39	St. Lse:
Updated:	12/11/07	By: BSPT	API	30-025-02264	
Lease:	Vacuum Grayburg San Andres Unit		Unit Ltr.:	H	Section: 2
Field:	Vacuum Grayburg San Andres Unit		TSHP/Rng:	18S-34E	
Surf. Loc.:	1980' FNL & 660' FEL		Unit Ltr.:		Section:
Bot. Loc.:			TSHP/Rng:		
County:	Lea	St.: NM	Directions:	Buckeye, NM	
Status:	Active Oil Well		CHEVNO:	FA3425	

Surface Casing

Size:	8 5/8"
Wt., Grd.:	32#, LW
Depth:	1590'
Sxs Cmt:	300 sxs
Circulate:	100 sx, 1"
TOC:	Surface
Hole Size:	10"

Production Casing

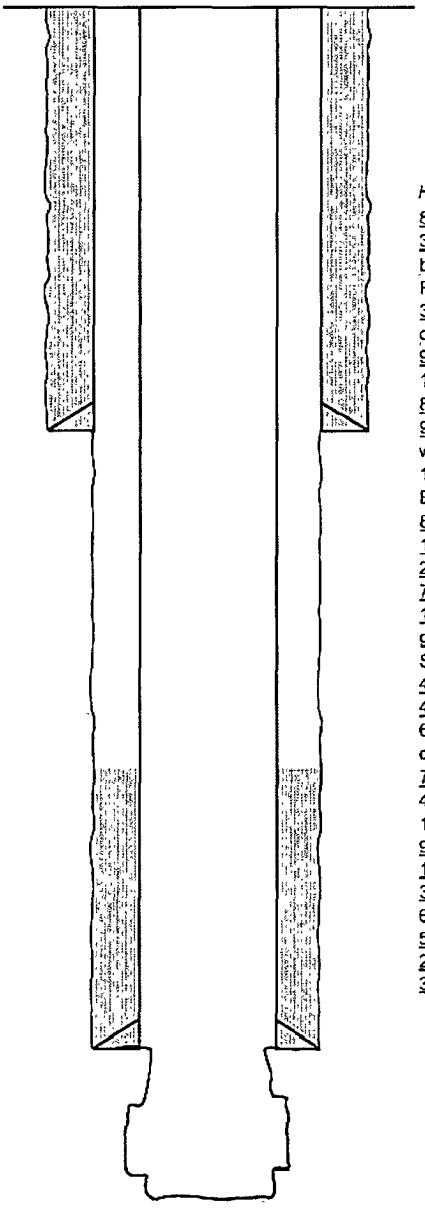
Size:	5 1/2"
Wt., Grd.:	17#, SMLS
Depth:	4090'
Sxs Cmt:	200 sxs
Circulate:	No
TOC:	2400'
Hole Size:	6 3/4"

Open Hole

Depth:	4090'-4710'
Hole Size:	4 3/4"

Under-Ream

Top:	4350'
Bottom:	4697'
Hole Size:	?



PBTD: 4,710
TD: 4,710

KB:
DF: 4014'
GL:
Ini. Spud: 7/4/1940
Ini. Comp.: 8/4/1940

History

8/4/40 Ini Comp: Natural
3/68 Frac: Frac OH w/ 30000 gals gelled brine & 30000# 20/40 sand sep. by 5000# RS
3/78 CO: Ran bailer, clean 72' fill, hit slips of old tubing anchor & only made 3'
9/78 Acidize: 3000 gals 15% NEFE w/ 1000# RS
8/86 Acidize: 2000 gals 20% NEFE
9/87 Acidize: Spot 500 gals cnvrtr, Acidize w/ 1000 gals 20% NEFE acid & 15000 gals 15% XL gel acid w/ 3000# RS. AIR 15 7 BPM. SIS.
8/91 Tubing Failure
1/92 Tubing Failure
2/92 Rod String Failure
7/93 Rod String Failure
12/95 Acidize: Tbg stuck, Acidize w/ 14000 gals 15% NEFE in 3 stages w/ 8000# RS. SIS
4/97 Rod Pump Failure
4/97 Acidize: Jet wash OH to 4620, Acidize 6000 gal 15% NEFE w/ 3000# RS, never caught pressure, SIS
7/97 Frac: Drop sand plug to 4580', Frac 4090'-4580' w/ 28000 gals XL gel & 92000# 16/30 Resin @ 4-10 PPG
5/97 Rod Pump Failure
11/99 Tubing Failure
3/00 C/O to 4710 & underream, Acidize 6000 gals 15% NEFE & 2000# RS, SIS
5/00 Rod Pump Upsize
2/04 Rod Pump Failure
3/04 Rod Pump Failure