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 – 025-02245

[3] Property Code	[5] Property Name	[6] Well No
30022	VACUUM GRAYBURG SAN ANDRES UNIT	42

[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
G	1	18-S	34-E		~~330~~ 1980	NORTH	~~330~~ 1980	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	4007'
[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 FROM 4735~~4~~850, ACIDIZE AND RETURN TO PRODUCTION.

THE INTENDED PROCEDURE & WELLBORE DIAGRAM IS ATTACHED FOR YOUR APPROVAL.

RECEIVED
MAR 04 2008
HOBBS OCD

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

[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 No. 42
API No. 30-025-02245
Vacuum (Grayburg-San Andres) Field
Lea County, NM

Workover Procedure

1. Rig up pulling unit. Kill well. ND wellhead. NU BOP.
2. TOH w/ 2-7/8" production tubing and ESP.
3. TIH w/ 6-1/8" mill tooth bit and 6 3-1/2" drill collars on 2-7/8" workstring.
4. Rig up reverse unit and power swivel.
5. Run to bottom and clean out fill to 4735'. Circulate hole clean. Continue drilling to 4740' to insure that any downhole metal has been removed. TOH.
6. TIH w/ 6-1/8" button bit and 6 3-1/2" drill collars on 2-7/8" workstring.
7. Drill new open hole section to 4850'. Circulate hole clean. TOH.
8. Rig up logging truck. Pull GR-CNL-CCL log from 4850' to 2850'. Correct depth to be on depth with Dresser-Atlas GR-SWN log dated 5/4/72.
9. TIH w/ SN on 2-7/8" workstring to 4850'.
10. Drop Vortech pulsating sub in seating nipple.
11. Acidize open hole interval from 4735' to 4850' w/ 4,000 gallons 15% HCl. Obtain pulsating sub treating depths from Technical Team. TOH.
12. TIH w/ 7" treating packer on 2-7/8" workstring and set at 4075'. Perform scale squeeze. TOH.
13. TIH w/ ESP on 2-7/8" production tubing. ND BOP. NU wellhead.
14. Return well to production.

PTB 2/29/08

VGSAU #42 Wellbore Diagram

Created:	07/07/03	By: SMG	Well #:	42	St. Lse:
Updated:	12/17/07	By: BSPT	API	30-025-02245	
Lease:	Vacuum Grayburg San Andres Unit		Unit Ltr.:	G	Section: 1
Field:	Vacuum Grayburg San Andres Unit		TSHP/Rng:	S-18 E-34	
Surf. Loc.:	330' FNL & 330' FEL		Unit Ltr.:		Section:
Bot. Loc.:			TSHP/Rng:		
County:	Lea	St.: NM	Directions:	Buckeye, NM	
Status:	Active Oil Well		Chevno:	FA3406	

Surface Casing

Size:	13 3/8"
Wt., Grd.:	40#, LW
Depth:	301'
Sxs Cmt:	275
Circulate:	Yes
TOC:	Surface
Hole Size:	17 1/2"

Intermediate Casing

Size:	9 5/8"
Wt., Grd.:	40#, SMLS
Depth:	1544'
Sxs Cmt:	350
Circulate:	No
TOC:	660' (calc @ 60% eff.)
Hole Size:	12 1/4"

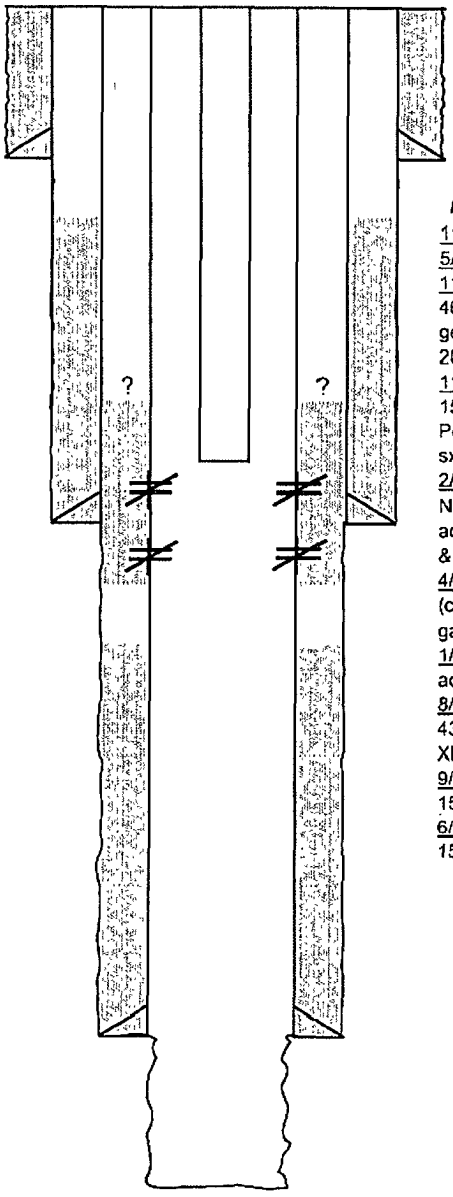
Production Casing

Size:	7"
Wt., Grd.:	24#, SMLS
Depth:	4128'
Sxs Cmt:	250
Circulate:	No
TOC:	2700' (calc @ 60% eff.)
Hole Size:	8 5/8"

Open Hole

Depth:	4,735'
Hole Size:	6 1/4"

Tubing
2 7/8" J-55 3,690' 131 jts.



PBTD: 4,735
TD: 4,735

KB: 4002'
DF: 3998'
GL: 4007'
Ini. Spud: 9/17/1937
Ini. Comp.: 11/22/1937

History

11/37 Initial Completion: Natural OH?
5/72 Deepen: Deepen w/ bit to 4690'
11/72 Frac: Set OH pkr @ 4343. Frac 4343'-4690'. 3 stages w/ 500 gal acid, 3000 gal gelled oil, & 3000 gal gelled oil w/ 1ppg 20/40 sand per stage..
11/80 Sqz - Isolate Salt Zone: Perf 2 js @ 1569' & sqz 9 5/8" X 7" ann w/ 475 sx cmt Perf 2 js @ 1385', D/O to 1590, sqz w/ 75 sx, 7" held 800#
2/83 Acidize: Acidize OH w/ 4000 gal 15% NEFE, 1000# RS, & 500# BA flakes, Re-acidize w/ 2000 gal 15% NEFE, 1000# RS, & 500# BA flakes
4/86 Deepend & Acidize: Deepen to 4735' (current TD), Spot converter, pump 10000 gal 15% NEFE w/ 7900# RS
1/96 Acidize: Pump 14000 gal 15% NEFE acid in 3 stages w/ 8000# RS. SIS.
8/97 Frac: Drop sand & Calseal in OH to 4380'. SIS. Frac 4128'-4383' w/ 20000 gal XL gel & 59220# 16/30 RC sand
9/01 Acidize: Acidize entire OH w/ 8000 gal 15% NEFE in 3 stages w/ 4000# RS
6/03 Acidize: Acidize entire OH w/ 8000 gal 15% DAD w/ 4000# RS. SIS.

Chevron U.S.A. Inc. Wellbore Diagram : VGSAU 042