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-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

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 – 025-02250 ✓

[3] Property Code	[5] Property Name	[6] Well No
30022	VACUUM GRAYBURG SAN ANDRES Unit	55 ✓

[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
D	1	18S	34E		660	NORTH	660	WEST	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	OIL		S	
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	4850'	GRAYBURG SAN ANDRES		

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

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

CHEVRON U.S.A INC. INTENDS TO DEEPEN THE SUBJECT WELL FROM 4710' TO 4850' W/4 ¾" BIT SIZE, RUN LOGS, COMPLETE OPENHOLE, STIMULATE, & RETURN TO PRODUCTION.

THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL.

Permit Expires 1 Year 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.

Printed name DENISE PINKERTON Denise Pinkerton
Title: REGULATORY SPECIALIST
E-mail Address: leakejd@chevron.com
Date: 8-09-2007 Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by: Chris Williams
Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER
Approval Date: AUG 2 0 2007 Expiration Date:
Conditions of Approval Attached ☐

VGSAU No. 55
API No. 30-025-02250
Vacuum (Grayburg San Andres) Field
Lea County, NM

Workover Procedure

1. Rig up pulling unit. ND wellhead. NU BOP.
2. TOH w/ 2-7/8" tubing and ESP.
3. TIH w/ 4-3/4" bit, pulsating bit sub and 6-3-1/2" drill collars on 2-7/8" workstring.
   Rig up reverse unit and power swivel. Deepen open hole from 4710' to 4850'.
   Note: In Jan 03, tagged TD @ 4688' (22' of fill). Fill was not removed. 4-3/4" open hole from 4115' to 4665' was under reamed to 6-1/4" in 1987.
4. Circulate hole clean.
5. Acidize new open hole interval w/ 2000 gallons 15% HCL from 4850' to 4710' by reciprocating bit sub across interval.
6. TOH w/ bit, bit sub, drill collars and workstring.
7. TIH w/ 5-1/2" treating packer on 2-7/8" workstring. Set packer at 4050'
8. Acidize perfs w/ 6,000 gallons 15% HCl.
9. Flow back load. Release packer and TOH w/ workstring.
10. RIH w/ ESP on 2-7/8" tubing. ND BOP. NU wellhead.
11. Return well to production and potential test.

VGSAU #55 Wellbore Diagram (Existing)

Created:	03/28/06	By:	C. A. Irle	Well #:	55	St. Lse:	857948
Updated:	08/14/07	By:	PTBP	API		30-025-02250	
Lease:	Vacuum Grayburg San Andres Unit			Unit Ltr.:	D	Section:	1
Field:	Vacuum Grayburg San Andres Unit			TSHP/Rng:		S-18 E-34	
Surf. Loc.:	660' FNL & 660' FWL			Unit Ltr.:		Section:	
Bot. Loc.:				TSHP/Rng:			
County:	Lea	St.:	NM	Directions:		Buckeye, NM	
Status:	Active Oil Well			CHEVNO:		FA3411	

Surface Casing

Size:	8 5/8"
Wt., Grd.:	28# LW
Depth:	1,547'
Sxs Cmt:	300
Circulate:	Yes
TOC:	Surface
Hole Size:	12"

Production Casing

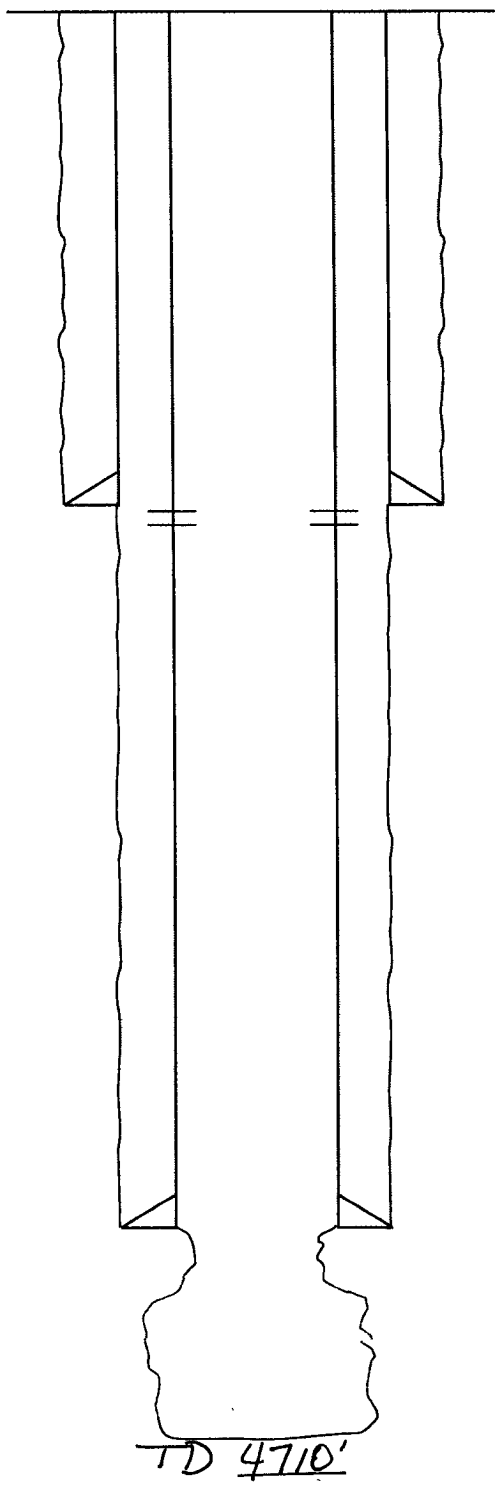
Size:	5 1/2"
Wt., Grd.:	17# SMLS
Depth:	4,082'
Sxs Cmt:	250
Circulate:	No
TOC:	2,900' calc
Hole Size:	7 7/8"

Open Hole

Depth:	4,710'
Hole Size:	4 3/4"

Under-Ream

Top:	4,115'
Bottom:	4,710'
Hole Size:	6 1/4"



KB:	
DF:	4,029
GL:	
Ini. Spud:	10/09/39
Ini. Comp.:	11/07/39

VGSAU #55 Wellbore Diagram (Proposed)

Created:	03/28/06	By:	C. A. Irle		
Updated:	08/14/07	By:	PTBP		
Lease:	Vacuum Grayburg San Andres Unit				
Field:	Vacuum Grayburg San Andres Unit				
Surf. Loc.:	660' FNL & 660' FWL				
Bot. Loc.:					
County:	Lea	St.:	NM		
Status:	Active Oil Well				

Well #:	55	St. Lse:	857948
API	30-025-02250		
Unit Ltr.:	D	Section:	1
TSHP/Rng:	S-18 E-34		
Unit Ltr.:		Section:	
TSHP/Rng:			
Directions:	Buckeye, NM		
CHEVNO:	FA3411		

Surface Casing

Size:	8 5/8"
Wt., Grd.:	28# LW
Depth:	1,547'
Sxs Cmt:	300
Circulate:	Yes
TOC:	Surface
Hole Size:	12"

Production Casing

Size:	5 1/2"
Wt., Grd.:	17# SMLS
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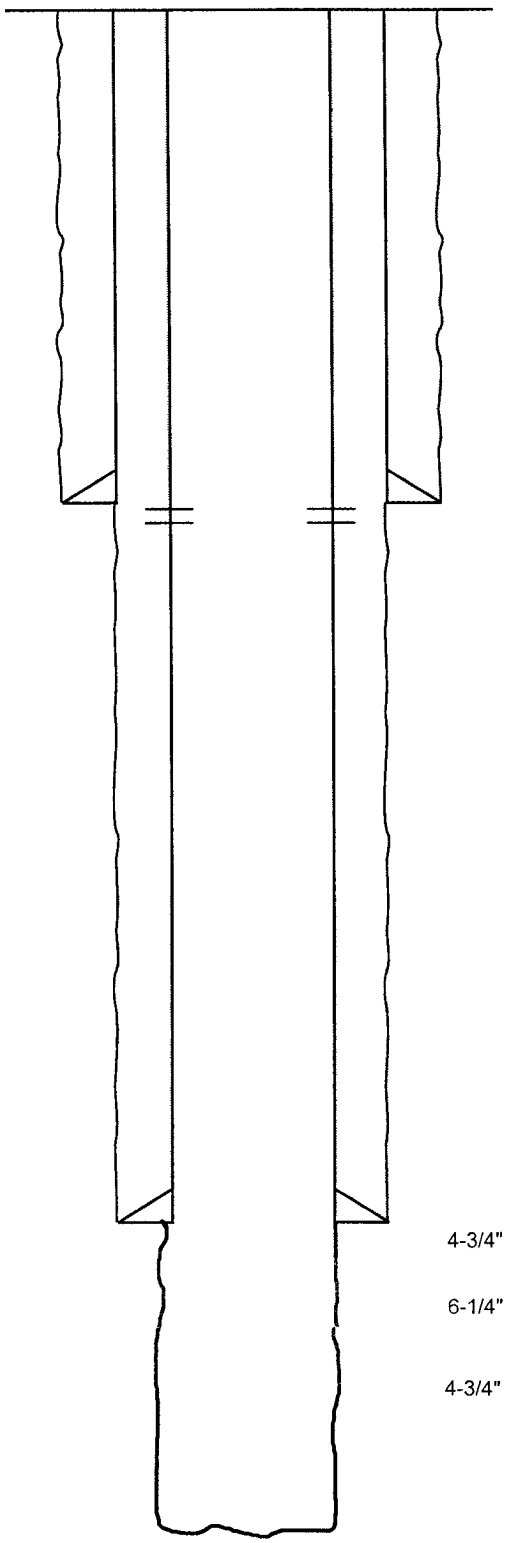

KB:	
DF:	4,029
GL:	
Ini. Spud:	10/09/39
Ini. Comp.:	11/07/39

4-3/4" Open Hole: 4082' - 4115'

6-1/4" Open Hole: 4115' - 4710'

4-3/4" Open Hole: 4710' - 4850'

TD: 4850'