E-mail Address: LEAKEJD@CHEVRON.COM

Phone. 432-687-7375

Date: 9-11-07

•

.

æ

Submit to appropriate District Office

AMENDED REPORT

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

APPLICATION FOR	PERMIT TO D	RILL, RE-ENTER,	DEEPEN,
-----------------	-------------	-----------------	---------

<b>PLUGB</b> A	ACK, O	R ADD	A ZONE									
<sup>1</sup> Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD								4323	<sup>2</sup> OGRID N <sup>3</sup> API Nu			
			MIDLAND, TE	XAS 7970	5				30-025-36		/	
<sup>3</sup> Prope	rty Code 30022	1		VACUU	<sup>5</sup> Property 1 M GRAYBURG 5		IDRES UN	IT			<sup>6</sup> Well N 134	¥o. /
	N		<sup>9</sup> Proposed Pool 1 GRAYBURG SAN	ANDRES					<sup>10</sup> Prop	osed Pool 2		
<sup>7</sup> Surface	Locatio	n										
UL or lot no K	Section 1	Township 18-S	Range 34-E	Lot I	dn Feet from 2630	the	North/Sou SOUTH	th line	Feet from the 1980	East/West WEST		County LEA
<sup>8</sup> Proposed	Bottom I	Iole Loca	tion If Differen				1	····			·	
UL or lot no.	Section	Township	Range	Lot I	dn Feet fro	om the	North/So	uth line	Feet from the	East/West	line	County
Addition	al Well	Informa	tion									
<sup>11</sup> Work	Type Code D		<sup>12</sup> Well Type Co I	ode	<sup>13</sup> Cable	e/Rotary		<sup>14</sup> I	Lease Type Code S		<sup>15</sup> Ground	t Level Elevation 3985'
	fultiple NO		<sup>17</sup> Proposed Dep 5000'	oth	<sup>18</sup> For GRAYBURG	mation SAN AN	DRES		<sup>19</sup> Contractor		20 g	Spud Date
Depth to Grou	undwater			Distance	e from nearest fres	sh water	well		Distance from	n nearest sur	face wate	л Х
Depth to Groundwater  Distance from nearest fresh water well  Distance from nearest surface water    Pit.  Liner. Synthetic						as/Art .						
<sup>21</sup> Propos	ed Casi	ng and (	Cement Prog	ram				<u></u>		AS OF	، رن <sup>ا</sup> ر و	3
Hole S			using Size		g weight/foot		Setting De	pth	Sacks of Co	ement, Ca	, E	stimated TOC
					<u> </u>				16	0000	<u>"ê</u> Ø	N/
									100	~0		~~/
									5	2	A	<u>~</u> /
									`	256 <i>&gt;</i> >	2420	/
Describe the	blowout pr	evention p	If this application ogram, if any. Us TO DEEPEN TH	se additiona	al sheets if necess	ary.		on the pr	esent productive 2	zone and pro	posed ne	w productive zone.
										a Egener		
THE INTEN			Year From	Appro	wal	[])	rit Ex Jate I	oires Riale	i Year From Diffiling Ca	iter NEY Ser NEY	1	
	Date	J111000	Deeper	Γ <b>λ</b>								
<sup>23</sup> 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 C	ONSERVA	FION D	IVISIO	ON			
an (attached) atternative OCD-approved plan . Signature: Sumse Punker ton				Approved by: Mis Witham								
Printed name: DENISE PINKERTON				Title OC DISTRICT SUPERVISOR/GENERAL MANAGER								
Title: REGU						Approval Date: SSP 1 - 2007 Expiration Date:						
E-mail Addre	E-mail Address: LEAKEID@CHEVRON.COM											

Conditions of Approval Attached

, w •

VGSAU No. 134 API No. 30-025-36681 K-1-185 34E Vacuum (Grayburg San Andres) Field Lea County, NM

## Workover Procedure

- 1. Rig up pulling unit. ND wellhead. NU BOP.
- 2. Release packer set @ 4153'. TOH w/ duoline injection tubing laying down.
- 3. TIH w/5-1/2" packer on 2-7/8" workstring and set at 4100'.
- 4. Rig up cementers and squeeze perfs 4217' 4420' w/ 75 Sx Class "H" neat cement. Displace cement to 4150'. Open packer bypass and reverse tubing clean. Release packer and TOH.
- 5. TIH w/ 4-3/4" mill tooth bit, 6 3-1/2 drill collars on 2-7/8" workstring.
- 6. Drill out cement. Drill out float shoe at 4449' and continue to drill open hole to 5000'. Circulate hole clean and TOH.
- 7. Rig up Schlumberger and run Platform Express log suite from 5000' to 4450'.
- 8. Rig up casing crew. Run 4" 9.5#/ft, J-55 FJ liner from the bottom up as follows:
  - a. 4" guide shoe
  - b. 1 jt 4" casing
  - c. 4" float collar
  - d. 30 jts (1200') 4" casing
  - e. 4" X 5-1/2" liner hanger
  - f. 2-7/8" workstring to surface.
- 9. Rig up cementers and cement liner with 90 sacks (100% excess).
- 10. Release workstring off of liner hanger and reverse circulate tubing clean. TOH.
- 11. RIH w/ 4" liner top dressing tool and drill collars on 2-3/8" workstring.
- 12. Dress top of liner at 3760'. TOH.
- 13. TIH w/ 3-1/4" bit and drill collars on 2-3/8" workstring. Tag TD. Drill out to 4950' if necessary. Test liner to 1000 psi. TOH laying down workstring.
- 14. Rig up Baker Atlas and pull GR-CBL-CCL log from PBTD to 2950'. Pull repeat section of bond log at 0 psi and the main logging run at 1000 psi casing pressure.
- 15. Perforate the Main San Andres Pay (est. 240' net) and Transition Zone (est. 70' net) intervals w/ 2 JSPF @ 120 degree phasing.
- 16. RIH w/ 4" injection packer and on-off tool w/ 1.5" profile nipple on 2-3/8" duoline tubing. Set packer @ 4250'. Acidize perforated interval w/ 8,000 gallons 15% NEFE HCl in 8 stages using XX ball sealers per stage and by dropping 2000 lbs rock salt in 25 bbls gelled brine between stages. Shut-in 2 hours and flow back load.
- 17. Perform MIP test.
- 18. ND BOP, NU wellhead. RDPU.
- 19. Place well on injection.
- 20. After 2 months, run injection profile.

PTB 8/13/2007

Lease Name:	VGSAU	Field:	Vacuum	API No. :	30-025-36882
Well No.	134	Reservoir:	Grayburg-San Andres	REFNO:	HO9423
Location:	2630 FSL & 1980' FWL	GE:	3985'	Spud Date:	
Sec.:	1	KB:	3991'	Comp. Date:	6/28/2004
Block:		DFE:		County:	LEA
Survey:	·····	Status:	WTR. INJ.	State:	NEW MEXICO
				L5/L6:	
		EXISTING W	ELLBORE DIAGRAM		
			Hole Size:	12 1/4"	



TD: 4449' PBTD: 4439'

Updated: 9/6/2007

Lease Name:	VGSAU	Field:	Vacuum	API No. :
Well No.	134	Reservoir:	Grayburg-San Andres	REFNO:
Location:	2630 FSL & 1980' FWL	GE:	3985'	Spud Date:
Sec.:	1	KB:	3991'	Comp. Date:
Block:		DFE:		County:
Survey:	<b></b>	Status:	WTR. INJ.	State:
•••• <b>,</b>				L5/L6:

, •

## PROPOSED WELLBORE DIAGRAM

Hole Size:	12 1/4"
Csg. Size:	8 5/8" 24" J-55
Set @:	1551'
Sks. Cmt.:	820 SKS
TOC @:	SURFACE
Circ: Y/N:	Y; 118 SKS

2-3/8" FIBERLINED INJ. TUBING

TOP OF 4" LINER @ 3760'

PACKER @ 4250'

\$

SAN ANDRES PERFS:

Hole Size: Csg. Size: Set @: 7 7/8" 5 1/2" OD 15.5# J-55 4449'

		4260' - 4850'	Sks. Cmt.:	1050 SKS
			TOC @:	1400' - CBL
			Circ: Y/N:	Y; 171 SKS
1				
1	<u>}</u>		Hole Size:	4-3/4"
1			Csg. Size:	4" 9.5# J-55 FJ
			Set @:	5000'
			Sks. Cmt.:	90
			TOC @:	3760' - LINER TOP

Updated:

,

9/6/2007

,

. . . .

(