Submit 1 Copy To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W. Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

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State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Amended

Form C-103
October 13, 2009

WELL API NO. 30-025-24313	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS) 1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTOR	7. Lease Name or Unit Agreement Name VACUUM GRAYBURG S/A UNIT
	8. Well Number 29
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	10. Pool name or Wildcat VACUUM GRAYBURG S/A
4. Well Location Unit Letter E: 2630 feet from the NORTH line and 1310 feet from the WEST line Section 2 Township 18S Range 34E NMPM County LEA	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: INTENT TO PLUG & ABANDON		OTHER:	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO PLUG AND ABANDON THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED **AMENDED** PROCEDURE, WELL BORE DIAGRAMS, AND C-144 INFO.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE REGULATORY SPECIALIST DATE 11-03-2011

Type or print name DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

For State Use Only

APPROVED BY: TITLE Staff Mgr DATE 11-9-2011

THE OIL CONSERVATION DIVISION **MUST BE NOTIFIED 24 HOURS PRIOR** TO THE BEGINNING OF PLUGGING OPERATIONS

NOV 09 2011

VGSAU 29 – P&A

API No. 30-025-24313

Abandonment Procedure

WELL HISTORY.

Prior to MIRU, check anchors, power lines, pad, and roads to location. In this case it will be particularly important to check the condition of the location around the WH b/c a spotter plane reported a surface flow around the WH. Initially an RBP was set above the perfs. This plug was tested OK, but it did not shut off the flow. The casing leak was isolated and found to be from the interval of 358' – 2100'. The leak takes a significant injection rate (4.5 BPM @ 550 psi & 5 BPM @ 650 psi). The RBP was pulled and a CIBP was set @ 4346'. 14.5 ppg mud was circulated to surface. The production casing was then shut in and ~40 bbls of 14.5 ppg mud were injected into the leak off interval in an attempt to kill the flow. No change in flow weight or rate was noticed @ surface. The surface flow was last checked by the production folks 6/20/2011 and was flowing 8.8-8.9 ppg fluid @ ~7 bph.

*** ENSURE THAT THE INTEGRITY / STABILITY OF THE LOCATION IS MONITORED THROUGHOUT THE JOB ***

1. Rig up pulling unit. Ensure that rig mats are utilized for this well.
2. Kill well as necessary. ND WH.
3. NU 5M hydraulic BOP with 2-3/8" pipe rams over blind rams & 3M annular. TOH w/ 1 joint of 2-3/8" 4.6# J55 8RD EUE kill string. PU 4-1/2" 9.5# packer and TIH. Set packer @ 30'. Test annular and pipe rams against packer to 250/500 psi for 5 minutes. Release & LD packer.
4. Con't TOH laying down 2-3/8" 4.7# J55 8RD EUE kill string. Note: Kill string consists of 32 total joints w/ end of tubing @ 1008'.
5. PU 3-7/8" bit & 6 x 3-1/8" drill collars on 2-3/8" 4.7# L80 8RD EUE workstring. TIH & tag CIBP @ 4346'. → One well w/ MLF
6. TOH standing back WS & LD drillout assembly.
7. RU WL & dump bail 35' class C neat cement on CIBP @ 4346'.
8. TIH with bull plug & 2-3/8" perforated sub on 2-3/8" WS & tag TOC on CIBP. Note tag depth in WV.
9. Displace hole with clean, 10# BW (this is crucial for setting balanced plugs)
10. Circulate hole with abandonment fluid (12.5 lbs of salt gel per barrel of 10# BW) from TOC on CIBP to 2200 ft (note that *minimum* OCD requirement is 12.5 lbs salt water gel per barrel of fluid. Minimum MW is 9.5 ppg. No viscosity requirement.)
11. Pull up hole with WS to 2775'.
12. Spot a 25 sack balanced plug using class C neat cement from 2775'to at least 2664' per the OCD. (Calculated TOC will be ~ 2414'). Ensure that ~1 bbl FW spacer is included ahead of the cement. Pull out of cement plug slowly (~30-40 fpm max).
13. TOH standing back WS to 2400'. Reverse cement out of workstring using FW & displace tubing and casing with FW. WOC 4 hrs. Tag plug per OCD & note depth in Wellview.
14. TOH stand rest of workstring back.

15. PU RBP & Packer & TIH. Testing on 5/4/2011 indicated bad casing from 358' – 2100'. Set RBP @ 2500' & test to 1000 psi with packer. Isolate & confirm bottom of leak @ 2100. Ensure surface riser valve is open during this operation & monitor for communication. While testing *below* packer, monitor 4-1/2" casing pressure above packer & attempt to determine if fluid or pressure are communicating from below the packer to above the packer via a hole in the 4-1/2" casing – this step is crucial to avoid potential a suicide squeeze scenario.

16. Con't to pull up hole with packer until top of leak interval is isolated. Note pump in rate, pump in pressure, and bleed of response for the leak interval(s) & note in WV. Continue to monitor riser & 4-1/2" production casing pressure while isolating leak interval(s)

17. Notify remedial engineer of leak interval(s) & pressure response(s) – ***PLAN FOR NEXT PLUG UP HOLE WILL BE DETERMINED BY DETAILS ABOUT THE LEAK INTERVAL, PUMP IN RATE, PUMP IN PRESSURE, AND PRESSURE BLEED OFF RESPONSE WITH THE NMOCD.***

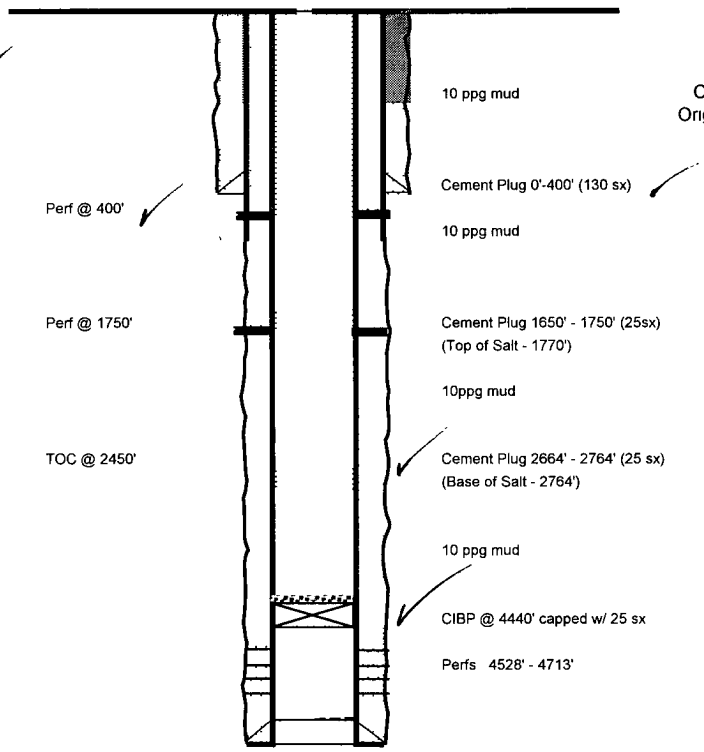
NCB 10/31/2011

PROPOSED ABANDONMENT
WELLBORE DIAGRAM

Created:	8/13/2007	**By:** HLH					
Updated:	6/3/2011	**By:** PTB					
Lease:	Vacuum Grayburg San Andres Unit	**Well No.:**	29	**Field:**	Vacuum Grayburg San Andres		
Surface Location:	2630 FNL 1310 FWL	**Unit Ltr:**	E	**Sec:**	2	**TSHP/Range:**	18S 34E
Bottomhole Location:		**Unit Ltr:**		**Sec:**		**TSHP/Range:**	
County:	Lea **St:** NM	**St Lease:**		**API:**	30-025-24313	**Cost Center:**	
Current Status:	Water Injector	**Elevation**	4000 CH	**CHVNO:**		TEPI	
Directions to Wellsite:						MVP	

Surface Csg.

Size	8-5/8"
Wt	20#
Set @	350'
Sxs cmt	235
Circ	No
TOC	Surface
Hole Size	12-1/4"



KB
DF 4010
GL
Original Spud Date 12/17/1972
Original Compl Date 1/14/1973

Production Csg.

Size	4-1/2"
Wt	9 5#
Set @	4800'
Sxs Cmt	650
Circ	No
TOC	2450' TS
Hole Size	7-7/8"

PBTD:
TD:

Remarks:

CURRENT
WELLBORE DIAGRAM

Created:	8/13/2007	**By:** HLH					**Field:**	Vacuum Grayburg San Andres	
Updated:	1/2/2008	**By:** NC							
Lease:	Vacuum Grayburg San Andres Unit		**Well No.:**	#				**TSHP/Range:**	18S 34E
Surface Location:	2630 FNL 1310 FWL		**Unit Ltr:**	E	**Sec:**	2			
Bottomhole Location:			**Unit Ltr:**		**Sec:**			**TSHP/Range:**	
County:	Lea	**St:** NM	St Lease:		**API:**	30-025-24313		**Cost Center:**	
Current Status:	Water Injector		Elevation:	4000 CH	**CHVNO:**		TEPI.		
Directions to Wellsite:							MVP		

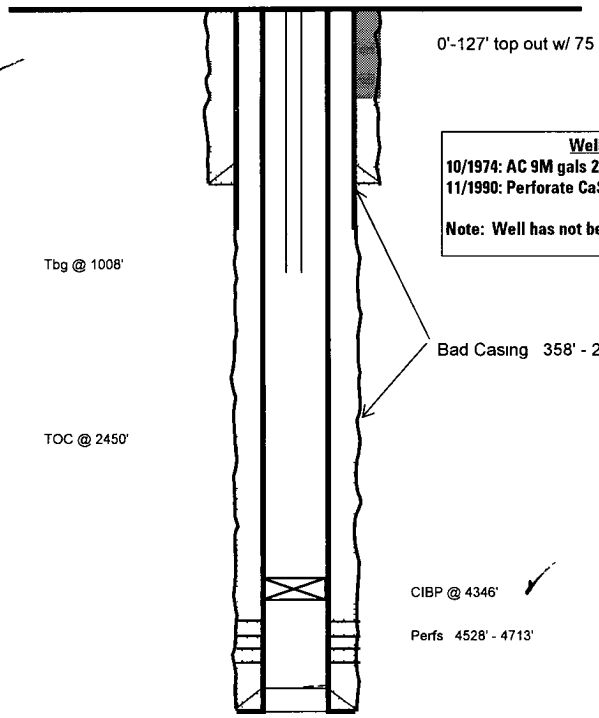
Surface Csg.

Size	8-5/8"
Wt.	20#
Set @	350'
Sxs cmt	235
Circ	No
TOC	Surface
Hole Size	12-1/4"

Production Csg.

Size	4-1/2"
Wt	9 5#
Set @	4800'
Sxs Cmt	650
Circ	No
TOC	2450' TS
Hole Size	7-7/8"

Perforation detail:
4528,53,60,64,68,83,92,95,4604,12,16,26,33,37, 64,69,74,87,94,4704,4713' (2SPF)



KB
DF 4010
GL
Original Spud Date. 12/17/1972
Original Compl Date 1/14/1973

Well History
10/1974: AC 9M gals 20%+BS
11/1990: Perforate CaSO4, AC 6600 gals+RS, 183w/1300 psi

Note: Well has not been pulled since 1990.

PBTD:
TD:

Remarks: