

Submit 3 Copies 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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

**RECEIVED**  
**JAN 29 2010**  
**HOBBSON**  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-24307 ✓
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
8. Well Number 30 ✓
9. OGRID Number 4323 ✓
10. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTION	
2. Name of Operator CHEVRON U.S.A. INC. ✓	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter K: 2630 feet from the SOUTH line and 2630 feet from the WEST line Section 2 Township 18-S Range 34-E 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 <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER:	OTHER: PUMP REPAIR WITH CHART

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

11-06-09: MIRU. TIH W/RBP & PKR  
11-07-09: SET PLUG @ 4090. SET PKR @ 4059. CIRC 100 BBLS 10# BRINE. TIH W/12 JTS TBG RBP TO 378'. SPOT 2 SX SAND ON TOP OF RBP. JOB SUSPENDED WHILE OPERATIONS REPAIR CSG HANGERS.  
12-23-09: MOVE IN 2 3/8" TBG.  
12-28-09: TIH & TAG SAND @ 380. WASH SAND OFF RBP TO 388. LATCH ONTO PKR & REL. TIH W/TBG TO 4090. REL PKR.  
12-30-09: LOWER PKR 6'. CIRC PKR FLUID. RAN 32 MIN MIT TEST ON CSG FOR NMOCD. 520# GAINED 10# IN 33 MINS. (ORIGINAL CHART & COPY OF CHART ATTACHED).

Please find attached, the amended injection order.

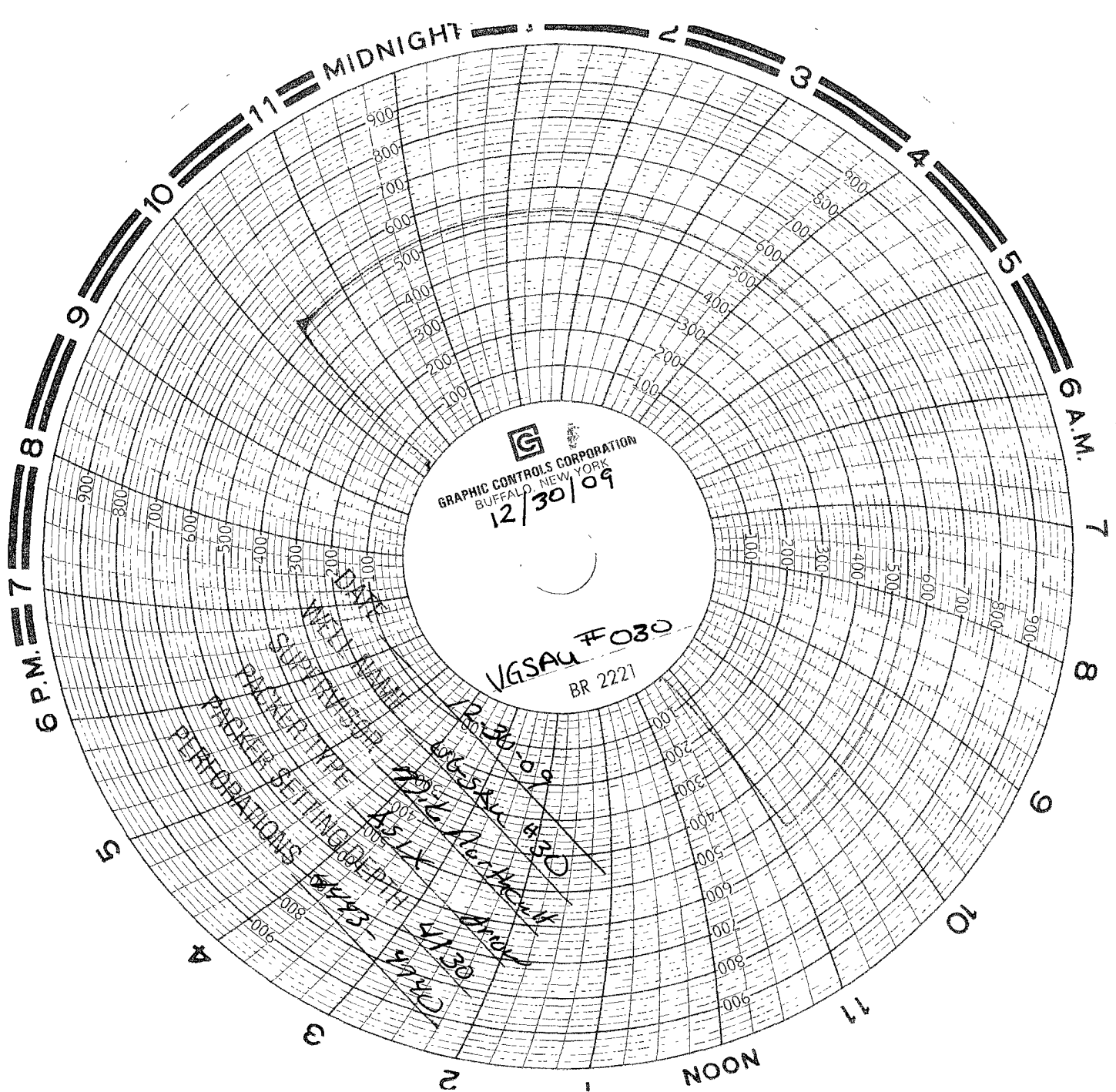
Spud Date:	<input type="text"/>	Rig Release Date:	<input type="text"/>
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paul T. Brown TITLE PETROLEUM ENGINEER DATE 01-27-2010  
Type or print name PAUL T. BROWN E-mail address: paulbrown@chevron.com PHONE: 432-687-7351

For State Use Only

APPROVED BY: Staff MGR TITLE DATE APR 06 2010  
Conditions of Approval (if any):



CUSA

K-2 18-5 34-E  
2630 S  
2630 W

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**Pinkerton, J. Denise (leakejd)**

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**From:** Ingram, Scott (ScottIngram)  
**Sent:** Monday, January 18, 2010 10:55 AM  
**To:** Pinkerton, J. Denise (leakejd); Acosta, Daniel E (Danny); Ridenour, Larry D (LRidenour); Simpson, Tejay; Valenzuela, Carlos; ACERO, EDGAR; Brown, Paul T (PaulBrown); Cooper, James F.; Ingram, Scott (ScottIngram); Ivanhoe, Lee B; Keele, Dustin J  
**Cc:** Gros, Brent C  
**Subject:** CVU & VGSAU - Regulatory Requirements when Setting or resetting an Injection Packer

As you know now we were successful in our recent OCD Application to ammend the VGSAU and CVU injection orders. Specifically with regard to the setting of an injection packer, the revised injection orders for both the VGSAU and CVU now read as shown below. As always, to protect the maximum interval of casing above the packer we should strive to set the packer as close to the top perforation or casing shoe as possible, however the new orders now allow that to be as high as the top of the Unitized Formation (see yellow highlighted text). For the CVU and VGSAU the top of the Unitized Formation is generally about 350' above the top perforation so we now have more latitude in setting our packers. Note however, the text highlighted in red; we are still required to contact the Hobbs district office and secure their approval when we desire to set the packer more than 100' above the top perforation or casing shoe. I suggest we capture notes of any such approval in the field well files and the Wellview notes of the remedial job.

(3) For all injection wells in the "EOR Project Area", excluding heretofore permitted injection wells where the tubing has been cemented in place, injection shall be accomplished through internally coated tubing installed in a packer set as close as practically possible to the uppermost injection perforations or casing shoe, so long as the packer set point remains within the Unitized Formation; and the casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak detection device shall be attached to the annulus in order to determine leakage in the casing, tubing or packer. Prior to re-setting any packer more than 100 feet above the uppermost injection perforation or casing shoe, the operator shall secure approval of the Division's Hobbs District Office.

For your use, I have correlated the CVU and VGSAU Unit tops, which are slightly different from each other, for all the injectors across both the two units and exported those tops to the linked spreadsheet. **Please refer to this spreadsheet when considering the max height to which a packer can be set and when corresponding to the OCD on this subject.** Also, when in doubt contact one of the Vacuum earth scientists if you desire to verify this top.

Thanks, Scott

\\MIDNTDFS1\SHARE\NAU\MCBU\Oil\NewMexico\OS\_VacuumCarlsbad\GRP-Vacuum\FLD-CVU\Regulatory\CVU & VGSAU injectors - Unit tops.xlsx

**Scott M. Ingram**

Sr. Staff Geologist & Project Manager  
Mid-Continent/Alaska BU  
Chevron North America E & P  
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