

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED
CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
MAR 16 2009
HOBBS

WELL API NO. / 30-025-25711
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 CENTRAL VACUUM UNIT
8. Well Number 100 /
9. OGRID Number 4323 /
10. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES /
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3993' GR

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 C02/WTR 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 F: 1372 feet from the NORTH line and 2544 feet from the WEST line

Section 6 Township 18-S Range 35E NMPM County LEA

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

- NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: INTENT TO C/O & ADD PERFS

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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

CHEVRON U.S.A. INC. INTENDS TO C/O FOR FILL & INCREASE THE PERF DENSITY IN THE LOWER PORTION OF THE UPPER SAN ANDRES & THE UPPER PORTION OF THE LOWER SAN ANDRES.

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

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 03-13-2009

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

Conroy W. Hill

TITLE

DISTRICT 1 SUPERVISOR

DATE

MAR 18 2009

Conditions of Approval (if any):

CVU 100
API No. 30-025-25711
Vacuum (Grayburg-San Andres) Field
Lea County, NM

Workover Procedure

1. Rig up pulling unit. Kill well. ND wellhead and NU BOP.
2. Release packer set at 4225' and TOH w/ 2-3/8" injection tubing.
3. TIH w/ 3-7/8" cone buster mill, drill collars on 2-3/8" workstring. Tag fill.
4. Rig up reverse unit and power swivel. Clean out fill to TD. If tight spots are encountered swedge out as necessary.
Note: the casing has been swedged out previously from 4316' to 4361' and 4718' to 4750'. During the last workover in 2002, the maximum depth reached was 4718'. Original PBTD is 4760'.
5. Circulate the hole clean. Pump 20-40 sand to spot a sand plug from 4600' to TD (casing capacity = 14.6 lb sand/ft). Spot 15% HCL acid from 4620' to 4250'. TOH.
6. Rig up wireline truck. Get on depth with the casing collars (there is no short joint). Perforate the 4-1/2" casing with 2 JSPF @ 120 degree phasing as follows: 4436' - 64', 4484' - 92', and 4510' - 4556'. Rig down wireline truck.
7. TIH w/ 4-1/2" treating packer on 2-3/8" workstring and set at 4200'.
8. Acidize perms with 8,000 gallons 15% NEFE HCl in 4 stages using rock salt as a diverter. Shut in for one hour and slowly flow back load. Shut down flowback if sand reaches the surface. TOH w/ packer and workstring.
9. TIH w/ 3-7/8" milltooth bit on 2-3/8" workstring and run to bottom. Tag and record top of sand plug. TOH.
10. TIH w/ 4-1/2" injection packer and on-off tool (w/ pump out plug) on 2-3/8" injection tubing. Set packer at 4225'. Release on-off tool and circulate 10 ppg packer fluid.
11. Latch back onto packer. ND BOP and NU wellhead.
12. Perform MIT test.
13. Rig down pulling unit.
14. Pressure up on tubing and pump out plug.
15. Return to injection.

PTB 1/28/09

CVU 100 Wellbore Diagram

Created: 01/28/09 By: CAYN
 Updated: By:
 Lease: Central Vacuum Unit
 Field: Vacuum Grayburg San Andres
 Surf. Loc.: 1372' FNL 2544' FWL
 Bot. Loc.:
 County: Lea St.: NM
 Status: CO2/Water Injection Well

Well #: 100 St. Lse: -
 API 30-025-25711
 Unit Ltr.: F Section: 6
 TSHR/Rng: 18S 35E
 Unit Ltr.: Section:
 TSHR/Rng:
 Directions: Buckeye, NM
 CHEVNO: EP8751
 OGRID:

Surface Casing

Size: 13 3/8"
 Wt., Grd.: 48#
 Depth: 355'
 Sxs Cmt: 400
 Circulate: yes
 TOC: surface
 Hole Size: 17 1/2"

Intermediate Casing

Size: 9 5/8"
 Wt., Grd.: 32# H-40
 Depth: 1456'
 Sxs Cmt: 800
 Circulate: yes
 TOC: surface
 Hole Size: 12 1/4"

Intermediate Casing

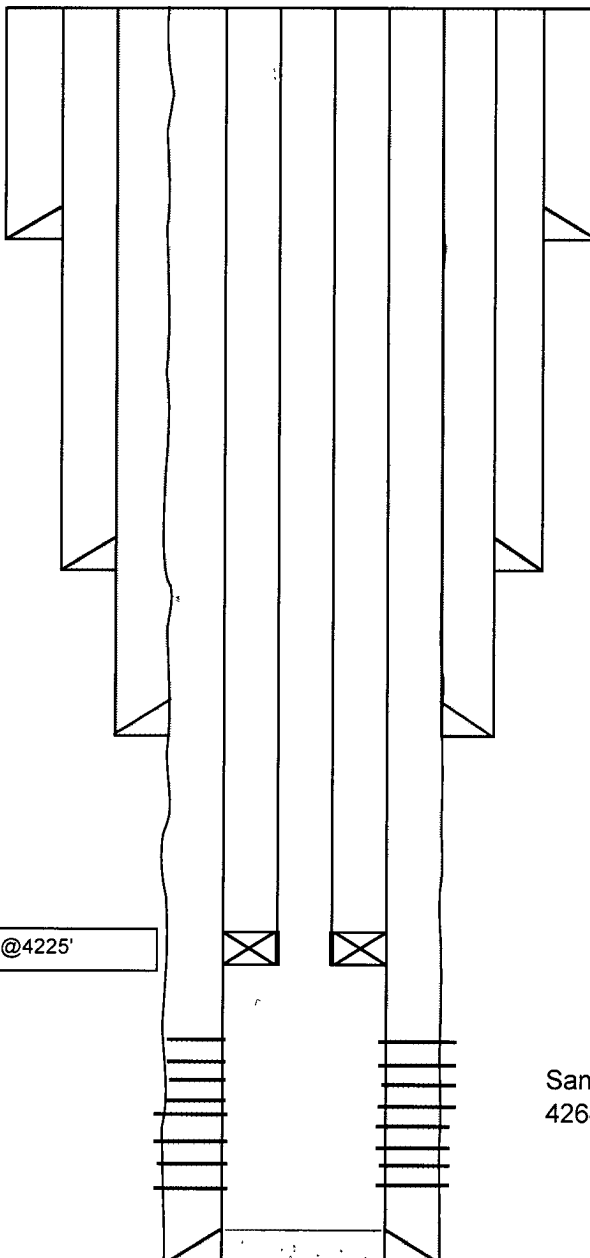
Size: 7"
 Wt., Grd.: 23#
 Depth: 2740'
 Sxs Cmt: 650
 Circulate: yes
 TOC: surface
 Hole Size: 8 3/4"

Production Casing

Size: 4 1/2"
 Wt., Grd.: 10.5# K-55
 Depth: 4800'
 Sxs Cmt: 800
 Circulate: yes
 TOC: surface
 Hole Size: 6 1/8"

Perf detail:

4264-4337' (48 holes), 4338,46,52-57,70,87-92,98,4408,38,43,48,55, 62-74,78, 89, 97, 4514, 24, 36, 44, 55, 98, 4630, 46-56, 4662-76, 83, 95, 4707,14,4719



KB: 3984'
 DF: 3983'
 GL: 3972'
 Ini. Spud: 04/20/79
 Ini. Comp.: 05/26/79

History:

12/93 C/O to 4760'. Spot 350 gals 15% NEFE across current perms Perf w/2 JSPF 4264-4337'. Acid w/10,000 gals 20% NEFE Swabbed back load. Circ hole w/pkr fluid, set pkr @ 4228'.
11/97: CO fill 4270-4760' AC 10M 15%+ 600#RS in 3 stages 1011/1314#
10/99: Swedge csg in perms. Perf 2 SPF= 4352-57,4387-92,4462-74,4646-56,4662-76 AC 4217-4721' w/6M 15%+RS 2419g/1794#
8/02: tag @ 4468'. CO to 4718', AC 4264-4719' w/6M 15% NEFE HCL + 5000# RS in 3 stages. Acid w/800 gals zylene, 4000 gals DAD, 4000# salt block

Tubing detail:

KB 12
 1 jts 2-3/8" tbg 31.16
 2-3/8" SUB 10
 2-3/8" SUB 2
 133 jts 2-3/8" tbg 4166 79
 4-1/2" pkr 3.37

San Andres Perfs:
 4264' - 4722'

PBTD: 4760'
 TD: 4800'