

Submit 4 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

MAY 10 2012

WELL API NO. 30-025-38555
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 145
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 <input checked="" type="checkbox"/>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter C: 1286 feet from the NORTH line and 1831 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:

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

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCEMENT OF PLUG OR SEALING ☐
CASING/CEMENT JOB ☐
OTHER

OTHER: CLEAN OUT & STIMULATE

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 CLEAN OUT & STIMULATE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM & C-144 INFORMATION.

The Oil Conservation Division

Condition of Approval: notify

MUST BE NOTIFIED 24 Hours

OCD Hobbs office 24 hours:

Spud Date: **prior to the beginning of operations** Rig Release Date:

prior of running MIT Test & Chart

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: 05-09-2012

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

APPROVED BY: Staff Manager TITLE: STAFF MANAGER DATE: 5-10-2012

Conditions of Approval (if any):

Well: VGSAU No. 145
Field: Vacuum (Grayburg-San Andres) Field
API No.: 30-025-38555
Lea County, New Mexico

Description of work: CT CO from top of fill @ 4,488' to 4,915', pump xylene across perms from 4,520' – 4,790'. Dump acid. RTI.

*****Coiled Tubing Unit is to only be on the injector for 1 day regardless of CO depth reached. Allow enough time to complete steps 10-12, and move CT unit to next injector.*****

Pre-Job Work:

- Check location, anchors (if they haven't been tested in the last 24 months, retest) and any overhead electrical lines (possible variance needed)
- Set water supply tanks and flow back tanks prior to job
- Have fluid transportation trucks on location to bring in / haul off fluid
- Manifold rated and tested to BOP working pressure.
- Man lift on location for use as needed

Procedure:

1. MIRU coiled tubing unit w/ 1.25" coil.
2. Dress the tubing end and install the coiled tubing connector. Use testing tool to pull test / pressure test the connector. Test low (200 psi, 5 minutes) and then high (working pressure of BOP system, 10 minutes) pressure.
3. Perform a surface function test on the down-hole tools (hip trippers and motors).
4. Before equalizing pressures with the wellbore, the BOP, riser, stripper head, and surface connection are to be tested. Anything below the BOP is to be low (200 psi, 5 minutes) / high (working pressure of BOP system, 10 minutes) tested. Above the BOP (lubricator and stripper head) are to be tested to the rates working pressure of the stripper head.
5. Open well and RIH with hip tripper.
6. Slow to 20'/min when within 200' of PN/packer (packer set at 4,458') and continue at reduced speed while below the end of tubing.
7. Once the tubing has been exited, 'take a bite' into the production casing (enter casing and then pull back into the upper tubing section), and continue to do this in increments during the CO.
8. Clean out fill from 4,488' to 4,915'.
9. Circulate hole clean with 125% of annular volume.
10. Begin pumping xylene. Wash over perforations from 4,790' – 4,520', from bottom-up with 850 gals xylene at a maximum bottom-hole rate of 1 BPM and a maximum surface

Well: VGSAU No. 145
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API No.: 30-025-38555
Lea County, New Mexico

- pressure of 5000 psi (do not exceed equipment maximum rated working pressure),
Displace xylene.
11. POOH and continue to circulate.
 12. RDMO coiled tubing unit.
 13. Shut in overnight.
 14. Flow back to tanks. Catch samples when well starts to flow back, after one volume of tubing has been displaced, and after 2 volumes of tubing have been displaced. Send samples in for analysis.
 15. Pump 165 gals of WOC-603 (Baker solvent), neat. Flush with 1,050 gals fresh water. Let stand 15 minutes.
 16. Pump 6,000 gals of acid down injection tubing, Shut in for one hour to allow acid to spend.
 17. Flow back to tank.
 18. Return well to injection. Report injection rates, choke sizes and injection pressures.

RRW 4/10/2012

Contacts:

Remedial Engineer – Larry Birkelbach	(432-687-7650 / Cell: 432-208-4772)
Production Engineer – Paul Brown	(432-687-7351 / Cell: 432-238-8755)
Production Engineer – Ryan Warmke	(432-687-7452 / Cell: 281-460-9143)
ALCR – Danny Acosta	(Cell: 575-631-9033)
D&C Ops Manager – Boyd Schaneman	(432-687-7402 / Cell: 432-238-3667)
D&C Supt. – Heath Lynch	(432-687-7857 / Cell: 281-685-6188)
OS – Nick Moschetti	(Cell: 432-631-0646)

VGSAU 145 Wellbore Diagram

Created: 02/04/08 By: BSPT
 Updated: 04/01/09 By: Cayce
 Lease: Vacuum Grayburg San Andres
 Field: Vacuum Grayburg San Andres
 Surf. Loc.: 1286' FNL & 1831' FWL
 Bot. Loc.:
 County: Lea St.: NM
 Status: Injector

Well #: 145 St. Lse: -
 API: 30-025-38555
 Unit Ltr.: C Section: 2
 TSHP/Rng: S-18 E-34
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions: Buckeye, NM
 CHEVNO: LA7426
 OGRID: 4323

Surface Casing

Size: 8 5/8"
 Wt., Grd.: 24#, J-55
 Depth: 1630'
 Sxs Cmt: 990
 Circulate: 297 sx
 TOC: Surface
 Hole Size: 12 1/4"

KB: 4029'
 DF:
 GL: 4,019
 Ini. Spud: 01/23/09
 Ini. Comp.: 03/20/09

ECP on 5-1/2" 33 jts down
 Ryt-Wrap on 5-1/2" 12 jts.

Production Casing

Size: 5 1/2"
 Wt., Grd.: 17#, J-55
 Depth: 5006'
 Sxs Cmt: 1,100
 Circulate: 130 sx
 TOC: Surface
 Hole Size: 7 7/8"

Tubing

2-3/8" fiberline tbg,
 4" nickel-plated sub

Perfs: 4520-4790'

Perf details:

4520-24, 4528-30, 4534-36, 4542-56, 4568-74,
 4582-88, 4596-4610,
 4616-4620, 4622-4624, 4652-4666,
 4684-4694, 4698-4717',
 4726-32, 4740-48, 4752-62, 4760-68,
 4770-78, 4782-90

History:

3/3/09 Initial Completion: Perf 4520-24, 4528-30, 4534-36, 4542-56, 4568-74, 4582-88, 4596-4610, 4616-4620, 4622-4624. Pump 5500 gals 15% HCL. Perf 4652-4666, 4684-4694, 4698-4717'. Pump 3500 gals 15% HCL. Perf 4726-32, 4740-48, 4752-62, 4760-68, 4770-78, 4782-90. Pump 4500 gals 15% HCL.

Arrowset 1X pkr @4457.83'
 with o/o tool

PBTD: 4915"
 TD: 5006"