

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

HOBBS OGD

JAN 17 2012

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

<p>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)</p>		<p>WELL API NO. 30-025-35125</p>
<p>1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>
<p>2. Name of Operator CHEVRON U.S.A. INC.</p>		<p>6. State Oil & Gas Lease No.</p>
<p>3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705</p>		<p>7. Lease Name or Unit Agreement Name F.B. DAVIS</p>
<p>4. Well Location Unit Letter C: 330 feet from the NORTH line and 2310 feet from the WEST line Section 8 Township 23-S Range 37-E NMPM County LEA</p>		<p>8. Well Number 10</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.)</p>		<p>9. OGRID Number 4323</p>
<p>10. Pool name or Wildcat TUBB; North</p>		

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

OTHER: ACIDIZE & SCALE SQUEEZE

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 ACIDIZE & SCALE SQUEEZE THE SUBJECT WELL USING THE SONIC HAMMER TOOL.

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

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: 01-11-2012

Type or print name: DENISE PINKERTON

E-mail address: leakejd@cvhevron.com

PHONE: 432-687-7375

APPROVED BY:

[Signature]

TITLE

REGULATORY ENGINEER

DATE

JAN 17 2012

Conditions of Approval (if any):

JAN 23 2012

COH

Well: F B Davis #10

Field: North Teague

Reservoir: Tubb

Location:

330' FNL & 2310' FWL
 Section 8 (NE/4 NE/4 NW/4)
 Township 23S
 Range 37E Unit C
 County Lea State. NM

Elevations:

GL: 3338
 KB 3353
 DF: 3352

Log Formation Tops

Rustler	1157
Yates	2937
Penrose	3532
Grayburg	3705
San Andres	3894
Gloneta	5106
Paddock	5304
Blinberry	5656
Tubb	6195
Drinkard	6458
Abo	6680

TUBING DETAIL - 8/6/2007

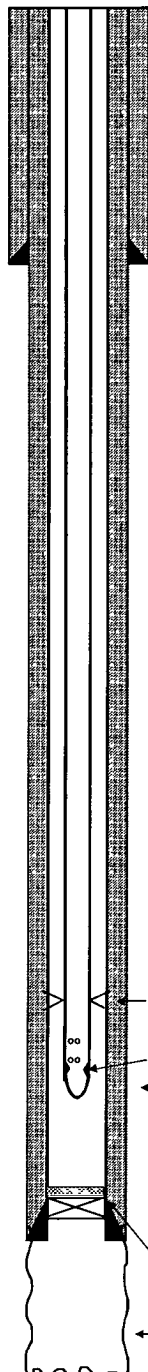
RKB correction 13'
 199 fts - 2 7/8" J-55 tbg (6170 70)
 1 2 7/8" x 5 1/2" TA 2 70'
 6 fts - 2 7/8" EUE J-55 tbg (189 33')
 1 ft - 2 7/8" EUE IPC J-55 tbg (32 45')
 1 2 7/8" SN (1 10')
 1 ft - 2 7/8" EUE J-55 tbg (30')

SN @ 6395 18 TAC @ 6170 70
 EOT @ 6396 28

Rod Detail 8/6/07

1 1 1/2" SM Polish Rod (26')
 67 1" N78 D Rods
 73 7/8" N78 D Rods
 106 3/4" N78 D Rods
 8 1 1/2" K-Bars
 1 25-125-rhbc-20-4 (bore 1 25") x 20'
 1 Gas Anchor 1 250 OD x 12'

EOR's 6396'

Current Wellbore Diagram**Well ID Info:**

Chevno HC2278
 API No. 30-025-35125
 L5/L6 U82 / 0600
 Spud Date: 4/21/01
 Rig Released 5/6/01
 Compl Date: 7/14/01

Surface Csg: 8 5/8" 24# K-55 STC

Set: @ 1200 w/ 670 sx Class C cmt

Hole Size: 12 1/4" TO 1200

Circ: Yes TOC: Surface

TOC By: Circulation (83 sx)

Initial Completion:

6/01 OH (Abo) 6450-7150, AF/32000 gal 20% HCL,
 tested non-commercial, Set CIBP @ 6530 W/ 35' cmt on top,
 7/01 Perf (Tubb) (2 jsf) 6308-12, 6332-40, 6360-62, 6368-78, 6390-94,
 6398-6402, 6406-10, 6426-30, A/4000 gal 15% NEFE HCL, F/80934 gal x-link
 & 142940# 20/40 sd - IP 85 BO, 242 BW, 213 MCF

Subsequent Work

8/1/2005 TBG Failure
 8/2007 - Rod Pmp Failure - Hot Oiled to pull rods pump upsized to 1 1/4"
 dropped sv held pressure @ 1000#

TAC @ 6170 70

Perfs

SN @ 6395 18
 6308-12, 6332-40, 6360-62, 6368-78, 6390-94,
 6398-6402, 6406-10, 6426-30

Status

Tubb - open

Tubb - open

Prod Csg: 5 1/2" 17# K-55 & L-80 LTC

Set: @ 6540 w/ 1380 sx class H

Hole Size: 7 7/8" to 7150

Circ: Yes TOC: surface

TOC By: Circulation (300 sx)

CIBP @ 6530 w/35' cmt on top

OH 6540-7150

Abo - closed

TD 7150 COTD 7149 PBTD 6495

Updated: 10/17/2011 by SEHE

By WP Johnson

F B Davis #10
North Teague - Tubb
Unit Letter C, T23S, R37E, Section 8
Job: Sonic Hammer, Acidize & Scale Squeeze

1.9.2012

Procedure:

1. Verify that well does not have pressure or flow. If well has pressure, note tubing and casing pressures on wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).
 - **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**
2. MI & RU workover unit.
3. Unseat pump, POOH with rods and pump. Examine rods for wear/pitting/paraffin and capture any samples for analysis. **Do not hot water unless necessary.** ND wellhead, unset TAC, NU BOP. POOH and LD 1 jt, PU 5-1/2" packer and set ~ @ 25', test BOP pipe rams to 250 psi/1000 psi. Note testing pressures on wellview report. Release and LD packer.
4. PU tubing and tag for fill (TAC 6,171', Bottom Perfs 6,430', EOT 6,396', PBTD 6,495'). POOH while scanning 2-7/8" prod tubing. LD all non-yellow band joints. If fill is tagged:
 - A. Above 6,460' continue to step 5.
 - B. Below 6,460' continue to step 7.

Note: Strap pipe out of the hole to verify depths and note them on wellview report.
Send scan log report to hccf@chevron.com.

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**
5. PU and RIH with 4-3/4" MT bit, 4 (3-1/2") drill collars on 2-7/8" 6.5# L-80 WS. RU power swivel and clean out to PBTD at 6,495'. POOH with 2-7/8" WS and bit. LD bit & BHA.
Note: If circulation is not expected, notify Remedial Engineer to discuss CO with bailer (continue to step 6) or foam/air unit (continue to supplemental procedure on back).
 6. PU and RIH with 4-3/4" MT and Bulldog bailer on 2-7/8" 6.5# L-80 WS. Clean out to PBTD at 6,495'. POOH with 2-7/8" WS and bit. LD bit & BHA.
 - **Expect trapped pressure inside tubing while breaking connections during bailing operations, discuss on JSA and mitigate hazard. Use mudbucket (remove bottom seals if applicable) while breaking connections.**
 7. Contact sonic tool rep to be on site during job. PU and RIH with Sonic Hammer tool and work string to 6,430' or enough to cover the bottom perforations with a whole stand. Hydrotest tubing to 6,000 psi. Stand back tubing to top perforations. Install stripper head and stand pipe with sufficient treating line to move tools vertically ~ 65'. Rig up pressure gauges to allow monitoring of tubing and casing pressures.
 8. MI & RU Petroplex. Treat all intervals from 6,308' to 6,430' with 50 bbls of 8.6 ppg cut brine water per interval (refer to Table A). Pump down Sonic Hammer tool at 5 BPM while reciprocating tool across intervals. Do not exceed 5,000 psi tubing pressure. Leave annulus open in circulation mode while treating intervals with brine water.

9. Follow the brine water wash with 1,300 gals 15% NEFE HCl of total acid for all intervals. Spot 3 bbls of acid outside tubing, shut in casing, pump 600 gallons of acid @ 5 BPM over first treating interval from 6,308' – 6,362', monitor casing pressure not exceeding 500 psi. Flush tubing with brine water after every acidized interval, make a connection and continue with remaining interval. Refer to Table A.

Interval	Depth	Interval Depth (Ft.)	Acid Volume (gal)
1	6,308'-6,362	54	600
2	6,368'-6,430	62	700
			1300

Table A Perforation Intervals for Acid.

10. Shut in well for 1 hr for the acid to spend. Monitor casing pressure to keep it below 500 psi. Bleed off excess pressure if necessary.
11. Continue moving uphole with Sonic Hammer pumping at 5 BPM with a total of 130 bbls 8.6 ppg brine water containing 2 drums (110 gallons) Baker SCW-358 Scale Inhibitor Chemical. Ensure top of tubing is flushed with water before making a connection. Refer to Table B.

Interval	Depth	Interval Depth (Ft.)	Brine Water Volume (bbls)	SCW-358 Volume (gal)
1	6,368'-6,430	62	70	60
2	6,308'-6,362	54	60	50
Totals			130	110

Table B Perforation Intervals for Scale Squeeze.

12. Ensure Sonic Hammer is above all perforations. Pump 32 bbls 8.6 PPG cut brine water to scale squeeze well. Do not exceed 500 psi casing pressure or 5 BPM while pumping scale squeeze or casing flush. RD and release pump truck.
13. Run back in the hole and tag for fill. If fill entry was identified @ 6430' or above, clean-out to PBTD (6495') following steps 5 or 6.
14. POOH & LD 2-7/8" WS and Sonic Hammer tool.
15. RIH with 2-7/8" production tubing hydrotesting to 6,000 psi. Set TAC per ALCR recommendation. ND BOP. NU WH. RIH with rods and pump per ALCR. Hang well on. RD and release workover unit.
16. Turn well over to production.

FOAM / AIR CLEANOUT PROCEDURE

- This procedure is an addition to the original procedure.
 1. Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery. Hardline pipes from 2" casing valve to manifold to half pit with gas buster.
 2. Install flowback tank downwind from rig.
 3. Position Air unit upwind from Rig next to water tanks. Have vacuum truck on standby to empty halfpit. (if needed)
 4. RIH with 4-3/4' MT bit, 4 (3-1/2") drill collars on 2-7/8" 6.5# L-80 WS.
 5. NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). **Stripper head to be stump tested to 1,000 psi before being delivered to rig.** Check chart or test at rig.
 6. RU foam air unit. Make quality foam on surface before going down hole with foam/air. Install flapper float at surface before beginning to pump. Break circulation with foam/air. Evacuate fluid from well.

Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute

Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks. Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.

7. Clean out fill to PBTD (6495') with low RPM's rotation and circulation, always keep pipe moving. Short trips can be beneficial to hole cleaning. Circulate well clean for at least 1 hour at the end of the day and pull up above the perforations before shut down for night. If the foam/air unit goes down, pull above the perforations.
8. When tripping out of hole, have special float bleed off tool available to relieve trapped pressure below float.

Ensure that high quality, stiff foam is pumped while circulating the fill. Stiff foam is required to prevent segregation while circulating. Monitor flow and pressures carefully when cleaning out.

Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition.

Continue on with original procedure for completion.