Submit 1 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

HOBBS OCD
MAY 03 2012
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-34105

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.)

7. Lease Name or Unit Agreement Name
F.B. DAVIS

1. Type of Well: Oil Well ☒ Gas Well ☐

8. Well Number 6

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
LNG MATTIX 7 RV QN G/B

4. Well Location
Unit Letter B: 510 feet from the NORTH line and 1350 feet from the EAST line
Section 8 Township 23-S Range 37-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 ☐	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 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.

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: 5-01-2012

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

APPROVED BY: TITLE STAFF MGR DATE 5-3-2012

Conditions of Approval (if any):

FB Davis #6 **4.10.2012**
32° 19' 29.23"N 103° 10' 51.51" W
FLD-Langlie Mattix North
Unit Letter B, T23S, R37E, Section 8
Job: Sonic Hammer, Acidize & Scale Squeeze

This procedure is meant to be followed. It is up to the WSM, Remedial Engineer and Production Engineer to make the decisions necessary to do SAFELY what is best for the well. In the extent that this procedure does not reflect actual operations, please contact RE, PE and Superintendent for possible MOC.

1. Review rig move checklist. Check road, anchors and pad location ahead of time.

2. 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.**

3. MI & RU workover unit.

4. Unseat pump, POOH with rods and pump. Examine rods for wear/pitting/paraffin. 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/500 psi. Note testing pressures on wellview report. Release and LD packer.

   Note: Prior to ND WH, e-mail or call Remedial Engineer to discuss what we did to mitigate the well control hazard.

5. PU additional tubing and tag for fill (TAC 3,595', Bottom Perfs 3,916', EOT 4,053', PBTD 5,000' (Top of CIBP)). POOH while scanning 2-7/8" prod tubing. LD all non-yellow band joints. If fill is tagged:
   A. Above 3,915' continue to step 6.
   B. Below 3,915' skip to step 8.

   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.**

6. 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 5,000 (Top of CIBP)'. 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 7) or foam/air unit (continue to supplemental procedure on back).

7. 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 5,000'(Top of CIBP). 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.**

8. Contact sonic tool rep to be on site during job. PU and RIH with Sonic Hammer tool and work string to 3,920' 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.

9. MI & RU Petroplex. Wash all intervals from 3,715' to 3,916' with 20 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.

10. Follow the brine water wash with 1,700 gals 15% NEFE HCl of total acid for all intervals.
Spot 3 bbls of acid outside tubing, shut in casing, pump 400 gallons of acid @ 5 BPM over first treating interval from 3,715' – 3,748', 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	3,715'-3,748'	33	400
2	3,793'-3,854'	61	700
3	3,866'-3,916'	50	600
			1700

Table A Perforation Intervals for Acid.

11. 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.

12. Continue moving uphole with Sonic Hammer pumping at 5 BPM with a total of 170 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. RD and release Petroplex pump truck.

Interval	Depth	Interval Depth (Ft.)	Brine Water Volume (bbls)	SCW-358 Volume (gal)
1	3,866'-3,916'	50	60	39
2	3,793'-3,854'	61	70	45
3	3,715'-3,748'	33	40	26
		Totals	170	110

Table B Perforation Intervals for Scale Squeeze.

13. Ensure Sonic Hammer is above all perforations. SI backside. Pump 100 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.

14. Run back in the hole and tag for fill. If fill entry was indentified @ 3,915' or above, clean-out to PBTD (5,000' Top of CIBP) following steps 6 or 7.

15. POOH & LD 2-7/8" WS and Sonic Hammer tool.

16. RIH with 2-7/8" production tubing hydrotesting to 6,000 psi. Set TAC per ALCR recommendation. ND BOP. NU WH.

    Note: Prior to ND BOP, e-mail or call Remedial Engineer to discuss what we did to mitigate the well control hazard.

17. RIH with rods and pump per ALCR. Hang well on. RD and release workover unit.

18. Turn well over to production (contacts below).

Contacts:

		Office	Cell
Technical Team Leader:	Denise Wann	432-687-7380	432-238-4238
Production Engineer:	Jason Lambright	432-687-7346	432-894-5789
Remedial Engineer:	Hector Cantu	432-687-7949	432-557-1464
Geology:	Malcolm Rowland	432-687-7807	
Operations:	Bobby Hill	575-394-1245	575-631-9108
	Danny Lovell	575-394-1242	575-390-0866
	Clarence Fite	575-394-1222	575-631-9084
Peak Completions:	Randy Good		575-631-7543
Schlumberger:	Hobbs Office	575-393-6186	
Baker Petrolite:	Dexter Nichols		575-390-4356
Petroplex:	Robert Denny	432-563-1299	575-390-4510
Sonic Hammer	John Ridge		575-631-9381

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, bit sub (bore for float with dart-type float), 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 5,000' (Top of CIBP) maintain circulation at optimum rate, allowing fill to clear bit before continuing to clean downhole, 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 to step 8.

Well: Davis, FB #6 **Current** Reservoir **Grayburg**

Location:	
510 FNL & 1350 FEL	
Section.	8
Township.	23S
Range	37E
County	Lea, NM

Well ID Info:	
Refno	BQ2635
API No.	30-025-34105
L5/L6.	UCMK90300
Spud Date.	8/25/1997
Compl. Date.	10/3/1997

Elevations:	
GL	3325'
DF	3326'
KB	3338'

Surf Csg:	8 5/8", 24 #, WC- 50 STC	
Set @	1165' w/ 675 sks	
Hole Size.	11"	
Circ.	yes	TOC: Surface
TOC By.	Circulation	

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	13 00
103	Jts 2 7/8" EUE 8R J-55 Tbg	3261 37
1	2 7/8" marker sub	4 10
10	Jts 2 7/8" EUE 8R J-55 Tbg	316 28
1	TAC	2 75
12	Jts 2 7/8" EUE 8R J-55 Tbg	378 41
1	Jt 2 7/8" EUE 8R TK-99	31 50
1	Jt 2 7/8" EUE 8R TK-99	12 10
1	Pump SN	1 10
1	Jt 2 7/8" EUE 8R J-55 Tbg	31 55
1	3-1/2" Notched collar J-55	0 50
132	Bottom Of String >>	4052.66

DV Tool @ 4000'

CIBP @ 5000'

TOL @ 5078'

Perfs	Status
5200-5226'	Gloneta- squeezed

Perfs:	Status:
3715-21'	Grayburg - Open
3726-34'	Grayburg - Open
3738-48'	Grayburg - Open
3793-97'	Grayburg - Open
3820-30'	Grayburg - Open
3836-44'	Grayburg - Open
3852-54'	Grayburg - Open
3866-68'	Grayburg - Open
3874-82'	Grayburg - Open
3906-16'	Grayburg - Open

Prod Csg:	5 1/2", 15.5 #, WC- 50 8RD	
Set @	5400' w/1760 sks	
Hole Size.	7 7/8"	
Circ.	yes	TOC: Surface
TOC By.	Circulation	

Rod Detail:

#Jts.	Size:	Footage
	KB Correction	1 70
1	1 1/2" Polished Rod	26 00
1	1" Pony Rod	8 00
1	1" Pony Rod	6 00
1	1" Pony Rod	4 00
1	1" Pony Rod	4 00
62	1" Sucker Rod Grade 90	1550 00
79	7/8" Sucker Rod Grade 90	1975 00
17	1 1/2" Sinker Bar	425 00
1	7/8" Pony Rod Guide	4 00
1	2 1/2" Rod Pump	24 00
	Bottom Of Rods >>	4027.70

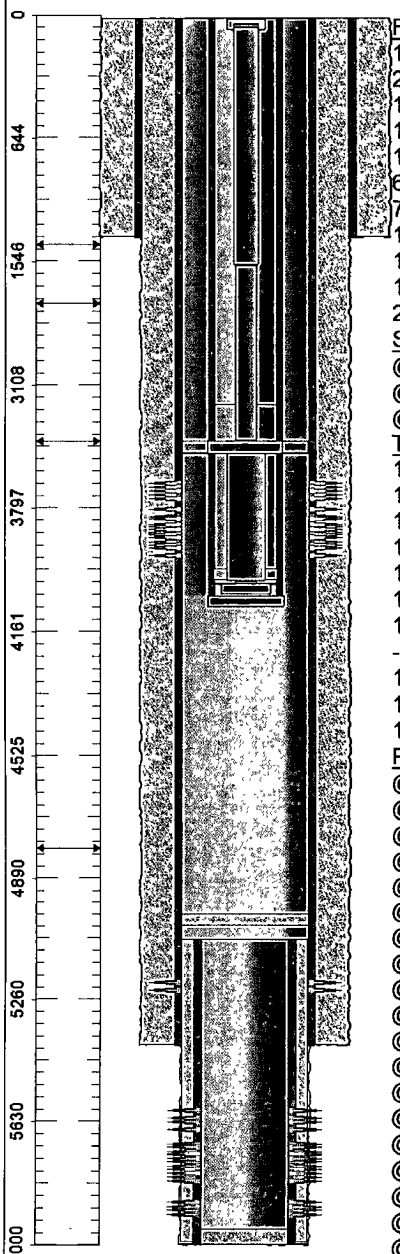
Perfs:	Status:
5588-94'	Blinebry-open/isolated by CIBP
5622-30'	Blinebry-open/isolated by CIBP
5688-92'	Blinebry-open/isolated by CIBP
5696-98'	Blinebry-open/isolated by CIBP
5718-22'	Blinebry-open/isolated by CIBP
5732-36'	Blinebry-open/isolated by CIBP
5726-66'	Blinebry-open/isolated by CIBP
5776-84'	Blinebry-open/isolated by CIBP
5860-66'	Blinebry-open/isolated by CIBP
5876-78'	Blinebry-open/isolated by CIBP

Liner:	4", 11 #	
Set: @	5992' w/90 sks	
Hole Size:	4 3/4"	TOL: 5078'
Circ:	yes	TOC: 5078'
TOC By:	circulation	

COTD:	5952'
PBTD:	5952'
TD:	6000'
Updated:	5/9/2012
By:	J Lambright

Chevron U.S.A. Inc. Wellbore Diagram : DAVISFB6G

Lease: OEU EUNICE FMT	**Well No.:** DAVIS, F. B. 6	**Field:** FLD-LANGLIE MATTIX NORTH	
Location: 510FNL1350FEL	**Sec.:** N/A	**Blk:**	**Survey:** N/A
County: Lea **St.:** New Mexico	**Refno:** BQ2635	**API:** 3002534105	**Cost Center:** UCMK90300
Section: 8	**Township:** 023 S		**Range:** 037 E
Current Status: ACTIVE		**Dead Man Anchors Test Date:** 11/16/2010	
Directions:			



Rod String Quantity (Top-Bottom Depth) Desc
1 @(13-39) 1.500 (1 1/2 in.) Spray Metal x 26
2 @(39-43) 1.000 (1 in.) N-90 (D) x 2 Rod Sub
1 @(43-47) 1.000 (1 in.) N-90 (D) x 4 Rod Sub
1 @(47-53) 1.000 (1 in.) N-90 (D) x 6 Rod Sub
1 @(53-61) 1.000 (1 in.) N-90 (D) x 8 Rod Sub
62 @(61-1611) 1.000 (1 in.) N-90 (D) x 25 Rod
79 @(1611-3586) 0.875 (7/8 in.) N-90 (D) x 25 Rod
17 @(3586-4011) 1.500 (1 1/2 in.) K x 25 Sinker Bar
1 @(4011-4015) 0.875 (7/8 in.) N-90 (D) x 4 Rod Sub - Rod Guides-Molded (3 per rod)
1 @(4015-4039) Rod Pump (Insert) (NON-SERIALIZED) - 25-200-H H BC -24-4 (Bore = 2.00)

Surface Casing (Top-Bottom Depth) Desc
@(13-1165) Cement
@(13-1165) Unknown 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift
@(13-1165) Wellbore Hole OD-11.0000 - N/A

Tubing String Quantity (Top-Bottom Depth) Desc
103 @(13-3274) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(3274-3278) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
10 @(3278-3595) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(3595-3597) Tubing Anchor-Mechanical 5.500" Cain 'B'
12 @(3597-3976) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(3976-4007) Blast Joint 2.875 OD - Internal Plastic Ctg-TK-99
1 @(4007-4019) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - Internal Plastic Ctg-TK-99
1 @(4019-4021) Seat Nipple - Heavy Duty (2.875") Cup Type
1 @(4021-4052) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(4052-4053) Notched Collar

Production Casing (Top-Bottom Depth) Desc
@(3715-3721) Perforations - Open
@(3726-3734) Perforations - Open
@(3738-3748) Perforations - Open
@(3793-3797) Perforations - Open
@(3820-3830) Perforations - Open
@(3836-3844) Perforations - Open
@(3852-3854) Perforations - Open
@(3866-3868) Perforations - Open
@(3874-3882) Perforations - Open
@(3715-3916) Producing Interval (Completion) - Grayburg
@(3906-3916) Perforations - Open
@(5000-5004) Bridge Plug Cast Iron 5.500"
@(5200-5226) Perforations - Squeezed
@(1165-5400) Wellbore Hole OD- 7.8750 - N/A
@(13-5400) Unknown 5.500 OD/ 15.50# Round Short 4.950 ID 4.825 Drift
@(13-5400) Cement
@(5588-5594) Perforations - Isolated
@(5622-5630) Perforations - Isolated
@(5688-5692) Perforations - Isolated
@(5696-5698) Perforations - Isolated

Ground Elevation (MSL):: 3325.00	**Spud Date:** 08/25/1997	**Compl. Date:** 11/05/2008
Well Depth Datum:: CSI0000N	**Elevation (MSL)::** 0.00	**Correction Factor:** 13.00
Last Updated by: srqi	**Date:** 07/24/2011	