Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161 HOBBS OCD
1625 N. French Dr , Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210 APR 1 1 2012
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 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. 30-025-37188	
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)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name MITTIE WEATHERLY
	8. Well Number 8
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 PENROSE; SKELLY GRAYBURG

4. Well Location
Unit Letter C : 1140 feet from the NORTH line and 1690 feet from the WEST line
Section 17 Township 21-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 : 04-10-2012

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

For State Use Only

APPROVED BY: TITLE Staff Mgr DATE - -
Conditions of Approval (if any):

APR 1 2 2012

Mittie Weatherly #8 **2.28.2012**
Penrose Skelly, Grayburg
T21S, R37E, Section 17
Job: RWW Sonic Hammer, Acidize & Scale Squeeze

Procedure:

1. Review rig move checklist. Check location, 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 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.

5. PU tubing and tag for fill (TAC 3,568', Top Perf 3,656', Bottom Perfs 3,980', EOT 4,163', PBTD 4,265'). POOH while scanning 2-7/8" prod tubing. LD all non-yellow band joints. If fill is tagged:
   A. Above 4,230' continue to step 6.
   B. Below 4,230' continue to step 7.

   Note: Strap pipe out of the hole to verify depths and note them on Lowis/Wellview report.

   - **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. Contact Engineer and determine if clean out is required. If required- PU and RIH with 4-3/4" MT and Bulldog bailer on 2-7/8" 6.5# L-80 WS. Clean out to 4,230'. 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 3,980' 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 3,655' to 3,980' 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 5,000 gals 15% NEFE HCl of total acid for all intervals.
   Spot 3 bbls of acid outside tubing, shut in casing, pump 1,000 gallons of acid @ 5 BPM over first treating interval from 3,655' – 3,720', 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	3655' - 3720'	65	1,000
2	3720' - 3781'	61	1,000
3	3783' - 3847'	64	1,000
4	3848' - 3913'	65	1,000
5	3915' - 3980'	65	1,000
			5,000

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. Scale squeeze will with a total of 250 bbls 8.6 ppg brine water and 4 drums (220 gallons) Baker SCW-358 Scale Inhibitor Chemical. Continue moving uphole with Sonic Hammer. For the first interval of 3,921' - 3,885' pump pill made up of 44 gal SCW-358 mixed with 30 bbls brine (1.5 gals/bbl concentration) followed by a displacement of 20 bbls of brine. Pump at 5 BPM. Ensure top of tubing is flushed with water before making a connection. Continue to next interval referring to Table B.

Interval	Depth	Interval (Ft.)	Brine Volume (bbls)	SCW-358 Vol. (gal)
1	3980' - 3915'	65	50	44
2	3913' - 3848'	65	50	44
3	3847' - 3783'	64	50	44
4	3781' - 3720'	61	50	44
5	3720' - 3655'	65	50	44
		Totals	250	220

Table B: Perforation Intervals for Scale Squeeze

12. Ensure Sonic Hammer is above all perforations. Pump 502 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 indentified @ 4,230' or above, clean-out to PBTD (4,230") following steps 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.

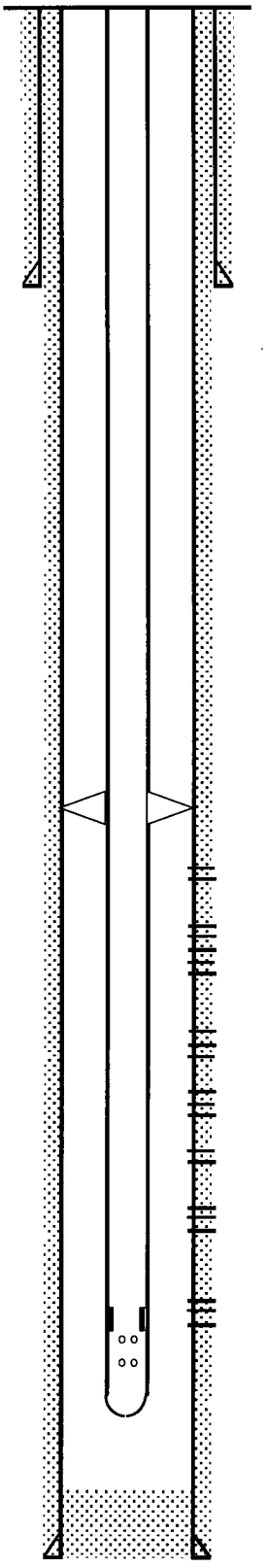
16. Turn well over to production.

Well: **Mittie Weatherly # 8** Field: **Penrose Skelly** Reservoir **Grayburg**

Location:
1140' FNL & 1690' FWL
Section 17
Township 21S
Range 37E
County Lea State NM

Elevations:
GL 3477'
KB 3488'
DF: 3487'

Current Wellbore Diagram



Well ID Info:
Chevno HT0313
API No 30-025-37188
L5/L6 UCU494010
Spud Date 9/12/2005
Compl Date 10/28/05
GPS. NAD27
N 32 4829400, W -103 1877400

Surf. Csg: 8 5/8", 24#, J-55
Set: @ 441' w/ 550 sks
Hole Size: 12 1/4"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11 00
113	Jts 2 7/8" EUE 8R J-55 Tbg 6 5#	3,554 17
1	TAC	2 80
15	Jts 2 7/8" EUE 8R J-55 Tbg 6 5#	474 30
1	Jt 2 7/8" 8R J-55 Tbg 6 5# IPC	31 35
1	SN	1 10
1	2 7/8" x 4' Perf Tbg Sub	4 20
1	Desander 2-7/8"	20 10
2	Jts 2 7/8" EUE 8R J-55 Tbg 6 5#	63 13
1	Dump Valve	0 80
136	**Bottom Of String >>**	**4,162.95**

Rod Detail:

#Jts:	Size:	Footage
1	1 5" SM Polish Rod	26 00
1	1" N-78 rod sub	4 00
2	1" N-78 rod sub 6'	12 00
59	1" N-78 Rod	1,475 00
92	7/8" N-78 Rod	2,300 00
9	1 5" K Sinker Bar	225 00
1	7/8" N-78 Rod sub	4 00
1	Rod Pump 25-175-RHBC-_24-4	24 00
166	**Length Of String >>**	**4,070.00**

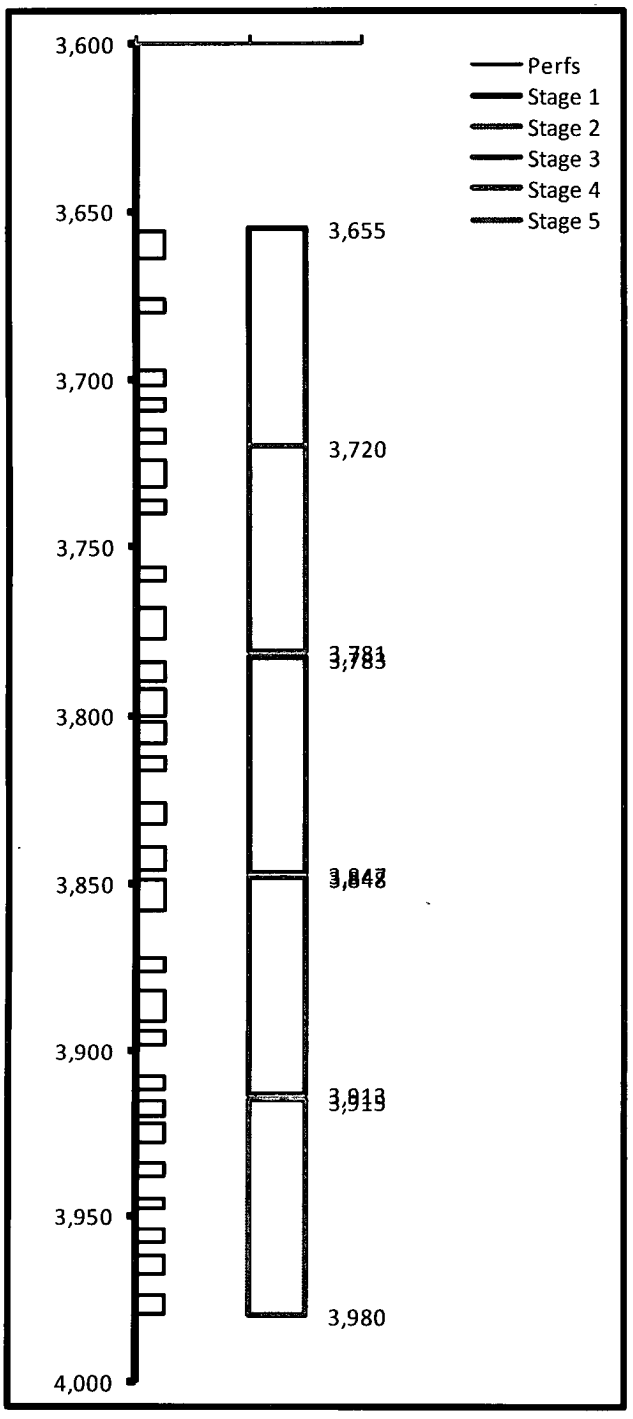
Perfs:	Status:
3656-64'	Grayburg - Open
3676-80'	Grayburg - Open
3697-3702'	Grayburg - Open
3706-09'	Grayburg - Open
3715-19'	Grayburg - Open
3724-32'	Grayburg - Open
3736-40'	Grayburg - Open
3756-60'	Grayburg - Open
3768-77'	Grayburg - Open
3784-90'	Grayburg - Open
3792-3800'	Grayburg - Open
3802-08'	Grayburg - Open
3812-16'	Grayburg - Open
3826-32'	Grayburg - Open
3839-46'	Grayburg - Open
3849-58'	Grayburg - Open
3872-76'	Grayburg - Open
3882-91'	Grayburg - Open
3894-98'	Grayburg - Open
3908-12'	Grayburg - Open
3915-20'	Grayburg - Open
3922-28'	Grayburg - Open
3934-38'	Grayburg - Open
3945-48'	Grayburg - Open
3954-58'	Grayburg - Open
3962-68'	Grayburg - Open
3974-80'	Grayburg - Open

COTD: 4265'
PBTD: 4273' (float collar)
TD: 4326'

By: DNCU

Prod. Csg: 5 1/2", 15.50#, J-55
Set: @ 4320' w/ 1100 sks
Hole Size: 7 7/8"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Mittie Weatherly # 8



Perfs Detail				
Top *ft*	Bottom *ft*	Interval Length *ft*	Status	Reservoir
3,656	3,664	8	Open	Garyburg
3,676	3,680	4	Open	Garyburg
3,697	3,702	5	Open	Garyburg
3,706	3,709	3	Open	Garyburg
3,715	3,719	4	Open	Garyburg
3,724	3,732	8	Open	Garyburg
3,736	3,740	4	Open	Garyburg
3,756	3,760	4	Open	Garyburg
3,768	3,777	9	Open	Garyburg
3,784	3,790	6	Open	Garyburg
3,792	3,800	8	Open	Garyburg
3,802	3,808	6	Open	Garyburg
3,812	3,816	4	Open	Garyburg
3,826	3,832	6	Open	Garyburg
3,839	3,846	7	Open	Garyburg
3,849	3,858	9	Open	Garyburg
3,872	3,876	4	Open	Garyburg
3,882	3,891	9	Open	Garyburg
3,894	3,898	4	Open	Garyburg
3,908	3,912	4	Open	Garyburg
3,915	3,920	5	Open	Garyburg
3,922	3,928	6	Open	Garyburg
3,934	3,938	4	Open	Garyburg
3,945	3,948	3	Open	Garyburg
3,954	3,958	4	Open	Garyburg
3,962	3,968	6	Open	Garyburg
3,974	3,980	6	Open	Garyburg
		0		
		0		
		0		
		0		
		0		
		0		
		0		
		0		
		0		
Total				
3,656	**3,980**	**150**		