Submit 3 Copies To Appropriate District Office
District I, 1625 N. French Dr , Hobbs, NM 88240
District II 1301 W. Grand Ave , Artesia, NM 88210
District III 1000 Rio Brazos Rd , Aztec, NM 87410
District IV 1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

RECEIVED
JAN 29 2010
HOBBSOCD

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

Form C-103
June 19, 2008

	WELL API NO. 30-025-05953
	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 G. C. MATTHEWS
	8. Well Number 12
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 MONUMENT TUBB; WEST
4. Well Location Unit Letter P: 330 feet from the SOUTH line and 990 feet from the EAST line Section 6 Township 20-S Range 37-E NMPM County LEA	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3556' GL

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 REPAIR CSG LEAK, ADD PERFS		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 REPAIR CASING LEAK, ADD TUBB PERFS & ACIDIZE.
THE INTENDED PROCEDURE, CURRENT & PROPOSED 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 01-28-2010

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

For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE FEB 09 2010
Conditions of Approval (if any):

G. C. Matthews # 12
Monument West Field
T20S, R37E, Section 6
Job: Repair Casing Leak, Add Perfs, And Acidize Tubb Formation

Procedure:

1. ***This procedure 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 1/21/2010. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.***

2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

3. MI & RU workover unit. Bleed pressure from well, if any. Pump down tbg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required.

4. Release ArrowSet pkr at 6300'. POH Scanalogging 2 3/8" tbg string. LD on-off tool and packer. PU and GIH with 3 7/8" MT bit on 2 3/8" work string to PBTD at 6454'. POH with work string and 3 7/8" bit. LD bit. **Note: If fill is found covering any perfs, cleanout to PBTD at 6454' using a bailer to minimize fluid lost into the formation. Also, do not attempt to circulate well unless absolutely necessary to minimize fluid lost into the Tubb formation.**

5. PU and GIH with 4 ½" RBP and sqz pkr on 2 3/8" work string to 6300'. Set RBP at 6300'. Set pkr at 6290' and pressure test RBP to 1000 psi. Pressure test csg from 6290' to surface to 500 psi. Release pkr. PUH pressure testing csg using pkr and pinpoint casing leak. Pump down tbg and spot 20' sand on top of RBP. PUH and set pkr 100' above csg leak. Establish injection rate into csg leak. Report injection rate and pressure to Remedial Engineer for use in determining cement volume and slurry properties.

6. Release pkr. POH with 2 3/8" work string and pkr. LD pkr. PU & GIH with 4 ½" CICR on 2 3/8" work string to approximately 50' above casing leak. Pressure test tbg to 5500 psi while GIH. Set CICR 50' above casing leak. Establish injection rate into casing leak. Pressure casing annulus to 500 psi and maintain during sqz job.

7. RU DS Services cementing equipment. Cement squeeze casing leak using Class C cement mixed to 14.8 PPG w/ 1.35 CFY. Attempt to achieve 2500 psi squeeze pressure. Sting out of CICR. Reverse out excess cement. RD and release DS Services cementing equipment.

8. POH with 2 3/8" work string and stinger. LD stinger.

9. PU and GIH with 3 7/8" MT bit on 2 3/8" tbg string to top of CICR. LD and drill out CICR and cement in 4 ½" casing. Reverse circulate well clean using 8.6 PPG cut brine water. Pressure test casing to 500 psi. If csg leaks, repeat cmt sqz procedure. LD and cleanout csg to top of RBP. Reverse circulate well clean from top of RBP using 8.6 PPG cut brine water. POH with 2 3/8" work string and bit. LD bit. GIH with retrieving head and engage RBP. POH with work string and RBP. LD work string and RBP.

10. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and conduct GR/CCL from 6454' up to 5400'. POH. GIH with 3 3/8" RHSC Gunslinger EXP-3325-321T casing guns (0.42" EH & 47" penetration) and perforate from 6270-77' and 6309-22' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: Use Schlumberger Platform Express Log dated 11/7/2001 for depth correlation.**

11. PU and GIH w/ 4 ½" Lok-Set pkr (with pump-out plug) & On-Off tool w/ 1.78" "F" profile on 2 3/8" N-80 tbg string to 6245', testing to 6500 psi. Set pkr at approximately 6245'. Release on-off tool. Displace annulus with inhibited packer fluid. Re-engage on-off tool. Pressure test casing and packer to 350 psi. Remove BOP's and install WH. **Note: Do not exceed 350 psi casing pressure due to sqzd casing leak.**

12. MI & RU DS Services. Pressure 2 3/8" tbg and shear pump-out plug. Pump down 2 3/8" production tbg string and acidize perfs 6270-6414' with 5,000 gals antisludge 15% HCl acid *** foamed with 70 Quality Nitrogen at a maximum bottom-hole rate of **5 BPM** and a maximum surface pressure of **5000 psi**. Ensure that all wellhead connections and valves are rated at or higher than 5000 psi WP prior to pumping. Displace acid to bottom perf at 6414' with 100% Nitrogen. Drop 160 1.3 sp.gr. ball sealers evenly dispersed throughout acid. Record ISIP, 5, 10, & 15 minute SIP's. RD and release DS Services. **Note: RU pressure transducer on well casing and monitor casing pressure during acid job. Do not exceed 350 psi casing pressure due to cmt sqzd csg leak.**

*** Acid system is to contain:	2 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	3 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

8 GPT L-47	Scale Inhibitor
5 GPT F109	Foamer

13. Hook up flowline and choke manifold. Open well and immediately flow back N2 and spent acid. If well dies prior to recovering all acid load, GIH and swab back load. RD and release workover unit. **Note: If well will not flow following acid job, discuss with Engineering prior to rigging down. The decision may be made to install rod pumping equipment.**

14. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels. If well is flowing weakly, shut well in and drop SV, bumper spring, and plunger. Install surface plunger-lift controller and radio. Connect to SCADA system and import number of daily plunger trips, tbg pressure, and casing pressure. Open well and place back on production.

AMH
1/22/2010

CURRENT WELL DATA SHEET

FIELD: Monument West | WELL NAME: G. C. Matthews # 12 | FORMATION: Tubb

LOC: 330' FSL & 990' FEL | SEC: 6 | GL: 3556' | CURRENT STATUS: PL

TOWNSHIP: 20S | COUNTY: Lea | KB to GL: 11' | API NO: 30-025-05953

RANGE: 37E | STATE: NM | DF to GL: | REFNO: FA 7075

Well Head 6"--1500 | Initial Completion: 10/26/54

Formation Tops	
Rustler	1025'
Top Salt	1080'
Base Salt	2040'
Yates	2423'
7 Rivers	2723'
Queen	3093'
Grayburg	3392'
San Andres	3760'
Glorieta	5070'
Blinebry	5658'

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.

13 3/8", 48# Csg
Set @ 408', w/ 400 sx. cmt.
cmt. circulated

Perfs @ 2548' - 2796' (squeezed)

9 5/8", 36# Csg
Set @ 2899', w/ 1575 sx. cmt.
TOC @ 420' by TS

Perfs @ 3102' - 3284' (squeezed)

Csg Leak @ Unknown Depth

Perfs @ 3425' - 3612'

Perfs @ 3682' - 3688'

Perfs @ 3722' - 3727' (squeezed)

Perfs @ 5558' - 5697'

7", 20# & 23# Csg
Set @ 5699', w/ 400 sx. cmt.
TOC @ 2100' by TS

Perfs:	Status:
6350-60'	Tubb - Open
6372-82'	Tubb - Open
6404-14'	Tubb - Open

PBTD 6454'

TD 6548'

Csg: 4-1/2", 11.6# N-80 LT&C csg
Set: @ 6548' w/135 sx POZ "C" cmt
TOC @ 5900' by TS

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
202	Jts 2 3/8" EUE 8R N-80 Tbg	6287.68
	T2 On-Off Tool w/ 1.78" F Profile	1.35
	ArrowSet IX Pkr	6.50
202	Bottom Of String >>	6306.53

Updated: 1/21/2010
By: MAHO

PROPOSED WELL DATA SHEET

FIELD: Monument West | **WELL NAME:** G. C. Matthews # 12 | **FORMATION:** Tubb

LOC: 330' FSL & 990' FEL | SEC: 6 | GL: 3556' | CURRENT STATUS: PL

TOWNSHIP: 20S | COUNTY: Lea | KB to GL: 11' | API NO: 30-025-05953

RANGE: 37E | STATE: NM | DF to GL: | REFNO: FA 7075

Well Head 6"--1500 | Initial Completion: 10/26/54

Formation Tops	
Rustler	1025'
Top Salt	1080'
Base Salt	2040'
Yates	2423'
7 Rivers	2723'
Queen	3093'
Grayburg	3392'
San Andres	3760'
Glorieta	5070'
Blinebry	5658'

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.

13 3/8", 48# Csg
Set @ 408', w/ 400 sx. cmt.
cmt. circulated

Perfs @ 2548' - 2796' (squeezed)

9 5/8", 36# Csg
Set @ 2899', w/ 1575 sx. cmt.
TOC @ 420' by TS

Perfs @ 3102' - 3284' (squeezed)

← Cmt Sqzd Csg Leak @ Unknown Depth

Perfs @ 3425' - 3612' (squeezed)

Perfs @ 3682' - 3686' (squeezed)

Perfs @ 3722' - 3727' (squeezed)

Perfs @ 5558' - 5697' (squeezed)

7", 20# & 23# Csg
Set @ 5699', w/ 400 sx. cmt.
TOC @ 2100' by TS

Tubing Detail:

#Jts	Size:	Footage
	KB Correction	11 00
200	Jts 2 3/8" EUE 8R N-80 Tbg	6225 43
	T2 On-Off Tool w/ 1 78" F Profile	1 35
	ArrowSet IX Pkr	6 50
200	**Bottom Of String >>**	**6244.28**

Perfs:	Status:
6270-77'	Tubb - Open
6309-22'	Tubb - Open
6350-60'	Tubb - Open
6372-82'	Tubb - Open
6404-14'	Tubb - Open

PBTD 6454'

TD 6548'

Csg: 4-1/2", 11.6# N-80 LT&C csg
Set: @ 6548' w/135 sx POZ "C" cmt
TOC @ 5900' by TS

Updated: 1/21/2010
By: MAHO