

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 July 18, 2013

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

WELL API NO. 30-025-03917	
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 West Lovington Unit	
8. Well Number	54
9. OGRID Number 241333	
10. Pool name or Wildcat W. Lovington Upper San Andres	
4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>NORTH</u> line and <u>660</u> feet from the <u>WEST</u> line Section <u>8</u> Township <u>17S</u> Range <u>36E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) DF 3905	

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 ☐

2. Name of Operator
CHEVRON MIDCONTINENT, L.P.

3. Address of Operator
6301 Deauville BLVD, Midland TX 79706

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 ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☒
 CASING/CEMENT JOB ☐ PNR ☐
 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.

02/28/22 MIRU, LD rods.
 03/01/22 NU BOP, LD tubing.
 03/02/22 Set CIBP @ 4630', RIH w/tubing, tag CIBP, spot MLF, spot 95 sx C cmt from 4630' to 3715'. POH to 3055', spot 25 sx C cmt from 3055' to 2815'.
 03/03/22 Perforate @ 2088' [no injection 1000 psi]. RIH to 2138'. Spot 60 sx C cmt from 2138' to 1560'. Perforate at 1000' [no injection 1000 psi]. Perforate at 750' [no injection 1000 psi]. Perforate per permit at 303' and establish circulation through surface casing. Not circulating through intermediate at this time.
 03/04/22 Spot 65 sacks Class C cement from 1250' to 650'. WOC, conduct bubble tests.
 Tag TOC at 593'. Mix and circulate 250 sacks Class C cement, additional hydrostatic pressure of cement helped break circulation in 5-1/2" x 8-5/8" casing annulus. Cement circulated to surface in all strings:
 5-1/2 x 8-5/8 x 13-3/8

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 Hayes Thibodeaux TITLE Engineer DATE 3/14/2022

Type or print name Hayes Thibodeaux E-mail address: Hayes.Thibodeaux@chevron.com PHONE: 281-726-9683

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 5/23/22

Conditions of Approval (if any)



EMC Ops Summary - External

Well Name WEST LOVINGTON UNIT 54	Field Name Vacuum	Lease West Lovington Unit	Area Central Permian
Business Unit EMC	County/ Parish LEA	Global Metrics Region EMC US East	Surface UWI 3002503917

Basic Well Data			
Current RKB Elevation 3,907.00, 3/7/2019	Original RKB Elevation (ft) 3,907.00	Latitude (°) 32° 51' 3.672" N	Longitude (°) 103° 22' 57.792" W

Phases					
Actual Start Date	Actual End Date	Phase 1	Phase 2	Time Log Hrs (hr)	Percent Problem Time (%)
1/31/2022 07:00	1/31/2022 17:00	PREP	FAC	10.00	
2/28/2022 08:30	2/28/2022 09:00	MOB	MOVEON	0.50	
2/28/2022 09:00	3/2/2022 16:00	ABAN	TBGPULL	29.00	
3/2/2022 16:00	3/7/2022 09:30	ABAN	CMTPLUG	28.00	
		REST	FAC		

Rpt # 1 , 1/31/2022					
Operations Summary HSE meeting, hazard hunt, checked wellhead gas/pressures, reviewed dig plan, performed location line sweep, unload equipment, hand dig around wellhead, exposed old plumbing (15 ft in depth) removed old risers, made up new assemblies, installed new risers, painted new valves as per code, backfilled excavation, clered location of brush & mesquite trees, picked up metal scrap, load/secured equipment, location is prepped.					

Rpt # 2 , 2/28/2022					
Operations Summary Move on from WLU 36. Complete JSA and hold safety meeting. Set up signs and update whiteboard. Assess powerlines nearby, no PLV necessary. R/U. Offload equipment. R/U pump and hard lines. Check pressures and bleed down well - 40 psi production tubing and casing, 10 psi intermediate, 0 psi surface string. Pressure test tubing, started immediately circulating through the production casing. Unseat pump and R/U workfloor and rod equipment. Install rod BOP. TOH lay down 76 1" fiberglass rods, 68 7/8" steel rods, 13 1-1/4" sinker bars, and rod pump. Secure well for night.					

Rpt # 3 , 3/1/2022					
Operations Summary JSA and safety meeting. Check pressures and bleed down. R/D workfloor and rod equipment. Well was blowing gas, BHD 20 bbls brine w/ scavenger down tubing and BHD 50 bbls brine w/ scavenger down casing. Formation ballooned, wait for scavenger to sit and bleed down well, had no flow. N/D wellhead. N/U 7 -1/16" 5K BOP and bird bath. Pressure test BOP 250 psi for 5 minutes, 1000 psi for 10 minutes, held good. R/U workfloor and tubing equipment. TOH lay down 143 jts 2-3/8" tubing, 4" marker sub, 2 jts, TAC, 8 jts, seat nipple, perf sub, & mud anchor. Secure well for night.					

Rpt # 4 , 3/2/2022					
Operations Summary JSA and safety meeting - complete hazard hunt. Check pressures - 30 psi 5-1/2", 40 psi 8-5/8", 0 psi surface casing. R/U wireline, make up 5-1/2" CIBP and setting tool. RIH set CIBP @ 4630' and update NMOCD. Lay down tools and R/D wireline. Fill valves and bubble test while loading rack with workstring - fail on 5-1/2" x 8-5/8" with a slight laminar flow but no bubbles at all. Fail on 8-5/8" x 13-3/8" only because the string would not stay static and fluid level would drop but had no gas readings. TIH 148 jts tag CIBP @ 4630'. Circulate 80 bbls 10 ppg brine. Pressure test 1000 psi for 15 minutes, held good. Spot 35 bbls salt gel MLF. Spot 95 sx class C 1.32 yield 14.8 ppg cement @ 4630'-3715'. TOH 50 jts 2-3/8" tubing to 3055'. Mix and spot 25 sx class C 1.32 yield 14.8 ppg cement @ 3055'-2815'. TOH stand back 30 jts to EOT 2115'. Secure well for night.					

Rpt # 5 , 3/3/2022					
Operations Summary JSA and safety meeting. Check pressures - 0 psi all strings. R/U wireline and make up 5 spf DP. Perf @ 2088'. R/D wireline. Attempt injection/circulation, held 1000 psi for 15 minutes. TIH 69 jts to 2138'. Mix and spot 30 bbls salt gel MLF. Spot 60 sx class C 1.32 yield 14.8 ppg cement @ 2138'-1560'. TOH 69 jts. Crew lunch break. Bubble test intermediate and surface - pass on surface, fail on intermediate w/ inconsistent bubbling of 30-50 ppm CO. R/U wireline and make up 5spf DP. Perf @ 1000'. No circulation. Perf @ 750'. No circulation. Perf @ 303'. R/D wireline. Broke circulation through surface valve first. Closed surface valve. Pressure up to 400 psi and fluid began leaking from ground. Possible loose fitting below ground, a hole in either surface or intermediate casing and/or intermediate is cemented to surface and fluid was leaking from a hole in surface casing. Ran out of daylight - secure well for night. Left intermediate venting to pit.					

Rpt # 6 , 3/4/2022					
Operations Summary JSA and safety meeting. Check pressures - 0 psi all strings. Fill valves and bubble test, pass on intermediate, 50 CO surface, 80 CO on 5-1/2". Try to pump down intermediate, pressured up to 400 psi. Unable to circulate conventionally through the intermediate string. Surface string was found to have holes communicating with ground. Circulate 13-3/8" x 8-5/8" annulus w/ 50 bbls brine. TIH EOT @ 1250'. Mix and spot 65 sx class C 1.32 yield 14.8 ppg cement w/ 2.4% cc @ 1250'-650' w/ OCD approval. WOC. Open well, bubble test pass on production string, pass on surface string. No bubbles on intermediate but fluid level would drop constantly. TIH tag TOC @ 593' and report to OCD. L/D all tubing. R/D work floor and tubing equipment. N/D 7-1/16" 5K BOP. N/U 5K B1 flange. Receive approval from OCD Kerry to circulate cement without being able to circulate through intermediate string. Mix and circulate 250 sx class C cement @ 303'-0 through all casing strings. Intermediate string barrier finally broke through and was able to get cement to 0'. Wash up equipment and secure well for night.					

Rpt # 7 , 3/7/2022					
Operations Summary JSA and safety meeting. R/D rig and other equipment. R/D hard lines and pump. B1 flange removed. Moved out to WLU 98.					

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As Plugged Schematic

Created: 04/25/19	By: _____	Well #: 54	St. Lse: _____
Updated: _____	By: _____	API: 30-025-03917	
Lease: West Lovington Unit		Unit Ltr.: E	Section: 8
Field: West Lovington Unit		TSHP/Rng: 17S-36E	
Surf. Loc.: 1980 FNL & 660 FWL		Unit Ltr.: _____	Section: _____
Bot. Loc.: _____		TSHP/Rng: _____	
County: Lea	St.: NM	Directions: Lovington, NM	
Status: _____		Chevno: FA5064	

Surface Casing

Size: 13-3/8"
 Wt., Grd.: 32.3#
 Depth: 253'
 Sxs Cmt: 250
 Circulate: Yes
 TOC: Surface
 Hole Size: 17-1/4"

KB: _____
 DF: 3,905
 GL: _____
 Ini. Spud: 01/14/48
 Ini. Comp.: 02/19/48

Intermediate Casing

Size: 8-5/8"
 Wt., Grd.: 28#
 Depth: 1950'
 Sxs Cmt: 400
 Circulate: No
 TOC: 282 (est. w/ 1.06 yield)
 Hole Size: 11"

Surface Shoe,
 Fresh Water Zone +/- 100'
 Cmt from 303' to Surface
 250 sacks Class C cement

Spot 65 sacks Class C cement
 from 1250' to 593' (tag depth)
 Attempted perf & squeezes: 1000', 750'

Isolate Salt Top, Rustler
 Intermediate Shoe
 Cmt from 2138' to 1560'
 Spot 60 sacks Class C cement
 No injection through perf at 2088'

Production Casing

Size: 5-1/2"
 Wt., Grd.: 14#
 Depth: 4730'
 Sxs Cmt: 450
 Circulate: No
 TOC: 2000 (est. w/ 1.06 yield)
 Hole Size: 7-7/8"

Isolate Yates, Salt Bottom,
 Cmt from 3055' to 2815'
 Spot 25 sacks Class C cement

Barrier #1: Isolate San Andres, Grayburg, Queen
 CIBP set at +/- 4630'
 Spot 95 sacks Class C cement
 Cmt from 4630' to 3715'

Open Hole: 4730' - 5100'

PBTD (est.): _____
 TD: 5,100
 Deepened: _____



EMC Cement Plugs Summary

Well Name WEST LOVINGTON UNIT 54		Field Name Vacuum		Lease West Lovington Unit		Area Central Permian	
Business Unit EMC		County/ Parish LEA		Global Metrics Region EMC US East		Surface UWI 3002503917	
Cement Plugs							
Plug, 3/2/2022 16:00							
Cementing Start Date 3/2/2022 16:00		Cementing End Date 3/2/2022 16:30		Description Cement Plug		Type Plug	
Vendor Sunset Well Services		Technical Result Success		Stage Number 1		Top Depth (ftKB) 3,715.0	
Bottom Depth (ftKB) 4,630.0		Avg Pump Rate (bbl/min) 2.5		Final Pump Pressure (psi) 0.0		Depth Tagged (MD) (ftKB)	
Fluid Type Lead		Class C		Density (lb/gal) 14.80		Yield (ft³/sack) 1.32	
Quantity (sacks) 1		Volume Pumped (bbl) 22.3					
Plug, 3/2/2022 18:00							
Cementing Start Date 3/2/2022 18:00		Cementing End Date 3/2/2022 18:30		Description Cement Plug		Type Plug	
Vendor Sunset Well Services		Technical Result Success		Stage Number 1		Top Depth (ftKB) 2,815.0	
Bottom Depth (ftKB) 3,055.0		Avg Pump Rate (bbl/min) 2.5		Final Pump Pressure (psi) 0.0		Depth Tagged (MD) (ftKB)	
Fluid Type Lead		Class C		Density (lb/gal) 14.80		Yield (ft³/sack) 1.32	
Quantity (sacks) 25		Volume Pumped (bbl) 5.8					
Plug, 3/3/2022 11:00							
Cementing Start Date 3/3/2022 11:00		Cementing End Date 3/3/2022 11:30		Description Cement Plug		Type Plug	
Vendor Sunset Well Services		Technical Result Success		Stage Number 1		Top Depth (ftKB) 1,560.0	
Bottom Depth (ftKB) 2,138.0		Avg Pump Rate (bbl/min) 2.5		Final Pump Pressure (psi) 0.0		Depth Tagged (MD) (ftKB)	
Fluid Type Lead		Class C		Density (lb/gal) 14.80		Yield (ft³/sack) 1.32	
Quantity (sacks) 60		Volume Pumped (bbl) 14.1					
Plug, 3/4/2022 10:30							
Cementing Start Date 3/4/2022 10:30		Cementing End Date 3/4/2022 11:00		Description Cement Plug		Type Plug	
Vendor Sunset Well Services		Technical Result Success		Stage Number 1		Top Depth (ftKB) 650.0	
Bottom Depth (ftKB) 1,250.0		Avg Pump Rate (bbl/min) 2.5		Final Pump Pressure (psi) 0.0		Depth Tagged (MD) (ftKB) 593	
Fluid Type Lead		Class C		Density (lb/gal) 14.80		Yield (ft³/sack) 1.32	
Quantity (sacks) 65		Volume Pumped (bbl) 15.2					
Plug, 3/4/2022 16:30							
Cementing Start Date 3/4/2022 16:30		Cementing End Date 3/4/2022 17:30		Description Cement Plug		Type Plug	
Vendor Sunset Well Services		Technical Result Success		Stage Number 1		Top Depth (ftKB) 0.0	
Bottom Depth (ftKB) 303.0		Avg Pump Rate (bbl/min) 2		Final Pump Pressure (psi) 0.0		Depth Tagged (MD) (ftKB)	
Fluid Type Lead		Class C		Density (lb/gal) 14.80		Yield (ft³/sack) 1.32	
Quantity (sacks) 250		Volume Pumped (bbl) 58.7					
Total Sacks Pumped							
Start Date		End Date		Type			Sum of Quantity (sacks)
3/2/2022 16:00		3/2/2022 16:30		Plug			1
3/2/2022 18:00		3/2/2022 18:30		Plug			25
3/3/2022 11:00		3/3/2022 11:30		Plug			60
3/4/2022 10:30		3/4/2022 11:00		Plug			65
3/4/2022 16:30		3/4/2022 17:30		Plug			250
Total (Sum)							401
Equipment Pressure Tests							
Date		Test Type		Applied Surface Pressure (psi)		Item Tested	
Comment							

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 89866

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 89866
	Action Type: [C-103] Sub. Plugging (C-103P)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	5/23/2022

District I
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CONDITIONS

Created By	Condition	Condition Date
kfortner	Need C103Q and marker pics to release	5/23/2022