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

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 July 18, 2013

WELL API NO. 30-025-40998

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
CENTRAL VACUUM UNIT

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

8. Well Number 438

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
VACUUM; GRAYBURG SAN ANDRES

4. Well Location
Unit Letter: M 575 feet from SOUTH line and 1170 feet from the WEST line
Section 25 Township 17S Range 34E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4007' GL

HOBBS OCD
DEC 26 2013
RECEIVED

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	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:				OTHER: DRILL NEW WELL			

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.

07/26/2013: SPUD WELL. DRILL 90-295,650, 942,1565. SURFACE TD.
07/28/2013: RAN 11.75,42# H-40 SURF CSG – SET @ 1565. CMT W/1035 SX CMT. RTRN 50 BBLS CMT TO SURF.
07/29/2013: DRILL 1575-1590,2440,2740,2990,3125,3225,3233,
08/01/2013: RAN 8 5/8" 32#, J-55 INTERMEDIATE CSG – SET @ 3233'. CMT W/750 SX CMT. RTRN 4 BBLS CMT TO SURF.
08/02/2013: DRILL 3243,3319,3858,4033,4445,4591,5120 – PROD HOLE TD.
08/06/2013: RAN 5 ½",17# L-80 CSG – SET @ 5120. CMT W/865 SX CMT. RTRN 50 BBLS CMT TO SURF.
08/07/2013: RELEASE RIG.

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 12/13/2013

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 DEC 30 2013

Conditions of Approval (if any):

DEC 30 2013

Summary Report

Drill
Drill and Suspend
Job Start Date: 7/22/2013
Job End Date: 8/7/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 438	Central Vacuum Unit	Vacuum	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
4,007.00	4,025.50	4,025.50, 7/22/2013	0.00	

Report Start Date: 7/22/2013
Com
R/D Front & backyard Components, Lower Drillers cabin, Unplug all wires & mics equipment Load out Drill pipe
Rig idle, WOD
Report Start Date: 7/23/2013
Com
Wait on Daylight
PJSM with H&P, H&P Rig Movers and Trend Services. Review rig move check list.Discussed hazards assoc with rig move.
Load & Move Back yard of H&P 356 from DHU 33-10-CT to the CVU 438, spot mud tanks, mud pumps, shakers, MOV VFD, gen package, diesel tank, parts house, spot subs
Wait on Daylight
Report Start Date: 7/24/2013
Com
Wait on Daylight
PJSM with H&P, H&P Rig Movers and Trend Services. Review rig move check list.Discussed hazards assoc with rig move.
R/U Misc while waiting on Derrick to arrive on location (Due to King Pin damages, replacement of topdrive control wires and replacement of kelly hoes).
Load & Move H&P 356 from DHU 34-10-CT to the DHU 33-10-CT, spot parts house, spot subs, pin derrick, raise derrick, Installed center steel. R/U H&P 356.
Wait on Daylight
Report Start Date: 7/25/2013
Com
Continue rigging up misc equipmen (Spool up draw works, undock top drive and run out all electrical equipment, install trash and protector chutes, R/U pipe wrangler, pressure washer connex, pick up tools to rig floor, install conductor pip, turn buckles, kill line, modify flow line and gas buster, clean rig floor and prepare for spud. Perform rig inspections, organize all tools and equipment. Address action items from pre-spud inspection. Strap and caliper BHA. Notified OCD District #1 10:00 7/25/13 of spud date and cement job. Patricia Operator.
Report Start Date: 7/26/2013 Spud
Com
Wait on X-O (7 5/8" Reg box X 6 5/8" Pin)
P/U Baker .22 rpg Motor, X-O, M/U 14 3/4 Halliburton bit.
Install trip nipple
Finish M/U surface BHA and TIH and tagged @90'
Trouble shoot Top drive (Found cut power cable)
Drill 14 3/4" Surface hole section from 90' to 295'. Pumping high visc sweeps every 90' AROP = 68.33 FPH WOB = 5-10 Klbs TD RPM = 120 Motor RPM = 132 GPM = 600 SPP = 1400 psi Torque 2-2.5 Kft*lbs Differential = 200-300 psi
Circulate while working on mud pump.
Drill 14 3/4" Surface hole section from 295' to 650'. Pumping high visc sweeps every 90' AROP = 78.88 FPH WOB = 5-10 Klbs TD RPM = 120 Motor RPM = 132 GPM = 600 SPP = 1400 psi Torque 2-2.5 Kft*lbs Differential = 200-300 psi
Pull trip nipple and install roating head rubber
Drill 14 3/4" Surface hole section from 650' to 942'. Pumping high visc sweeps every 90' AROP = 97.33 FPH WOB = 5-10 Klbs TD RPM = 120 Motor RPM = 132 GPM = 600 SPP = 1400 psi Torque 2-2.5 Kft*lbs Differential = 200-300 psi
Report Start Date: 7/27/2013

Report Printed: 10/16/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 438	Central Vacuum Unit	Vacuum	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
4,007.00	4,025.50	4,025.50, 7/22/2013	0.00	

Com
Drill 14 3/4" Surface hole section from 942' to 1565'. Pumping high visc sweeps every 90' AROP = 73.29 FPH WOB = 10-12 Klbs TD RPM = 120 Motor RPM = 143 GPM = 650 SPP = 1800 psi Torque 4-5 Kft*lbs Differential = 200-300 psi
Pump (2) 40 bbl Hi-Vis sweeps. Circulate hole clean.
Flow check well - no flow. TOH with 14.75" Surface BHA from 1565' to 577' (Back reamed from 1565' to 577'. Pulled rotating head at 577'. TOH with 14.75" Surface BHA from 577' to surface Hole pulled slick Hole took proper fill.
Break 14 3/4" bit and L/D motor.
Clean Rig Floor
Rig Service
PJSM with H&P crew. R/U H&P 11 3/4" CRT and handling tools. PJSM with Franks and H&P crew. R/U Casing Tongs.
Ran 11.75" 42# H-40 STC surface casing from surface to 350'.
Report Start Date: 7/28/2013
Com
Ran 11.75" 42# H-40 surface casing and tag bottom at 1565'. (Wash down casing from 1150' to 1565') * Surf Csg
Circulate 1.5 times casing volume.
PJSM with Halliburton & rig up cement equipment.
Test lines to 3300 psi, Cement per Halliburton pump schedule. Displace 177 bbls of FW. Bumped plug and held 1048 psi for 5 minutes (FCP=540 psi), test good. Checked floats, bled back 1 bbl. Full returns throughout the job. Returned 50 bbls of cement to surface.

	bbls	sacks	bpm	wt. (ppg)
Spacer	20	n/a	5	8.4
Lead	201	610	6	12.9
Tail	101	425	5	14.8
Disp.	177	n/a	6	8.7

Flush surface lines and rig down Halliburton.
Waiting on cement to reach 100 psi compressive strength.
Sting into 11 3/4" surface casing with H&P CRT. Set casing string on bottom. R/D turnbuckles and flowline from conductor pipe. Rough cut conductor and surface casing. L/O same. Make final cut and dress conductor and surface casing for wellhead.
PJSM with Cotton Welding H&P 356 and CVX, Install and weld 11 3/4" SOW x 11" 5M multibowl wellhead. Test void to 850 psi - test good.
PJSM with Man N/U crew and H&P. Install spacer spool. N/U 11" 5M BOPE.
Report Start Date: 7/29/2013
Com
Install and torque 11" 5M spacer spool and BOP stack. N/U flow line, accumulator lines, and center stack.
PJSM with Man Welding. Pressure test BOPE to 250/3000 psi per drilling procedure and MCBU SOP. Perform accumulator function test. Test 11 3/4" casing to 1500 psi All tests good. R/D pressure tester.
Perform BOP Drill.
Lay out BHA strap and caliper.
Rig Service
TIH with 10 5/8" Bit & Intermediate BHA #1 to 900' as follows: 10 5/8" PDC bit (Halliburton MM65DM) 8" Motor (0.22 rev/gal) Note: Set Wear bushing.
Wash down & displace 9.6 ppg brine water from 900' to top of FC @1475'.
Test casing to 1500 psi (Good Test)
Pull trip nipple and install rotating head
Perform Choke drill with CVX and H&P,
Drill FE & cement to 1565'. Drill 10' of new hole.
Preform FIT to 17 ppg EMW- Good Test.
Drill 10 5/8" Intermediate hole section from 1575' to1590'. Note: Allow 10 1/2" stabilizers to clear casing shoe (1565') AROP = 15 FPH WOB = 5-10 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi
Report Start Date: 7/30/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 438	Central Vacuum Unit	Vacuum	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
4,007.00	4,025.50	4,025.50, 7/22/2013	0.00	

Com
Drill 10 5/8" Intermediate hole section from 1590' to 2440' AROP = 50 FPH WOB = 5-10 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi
Service rig.
Drill 10 5/8" Intermediate hole section from 2440' to 2740' AROP = 60 FPH WOB = 5-10 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi

Report Start Date: 7/31/2013

Com
Drill 10 5/8" Intermediate hole section from 1590' to 2990' AROP = 50 FPH WOB = 5-10 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi
Chang out rotating head rubber.
Drill 10 5/8" Intermediate hole section from 2990' to 3125' AROP = 50 FPH WOB = 1-4 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi
Service rig
Trouble shoot TD by changing out the PGX2 card in the VFD house.
Drill 10 5/8" Intermediate hole section from 3125' to 3225' AROP = 50 FPH WOB = 1-4 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi

Report Start Date: 8/1/2013

Com
Drill 10 5/8" Intermediate hole section from 3225' to 3233' AROP = 50 FPH WOB = 1-4 Klbs TD RPM = 10 Motor RPM = 110 GPM = 500 SPP = 1200 psi Torque 2-3 Kft*lbs Differential = 100-200 psi
Circulate 2 hi-vis sweeps around. Sweep brought back no change in cutting on the shakers.
Check for Flow. No Flow
TOH from 3260' to 1,547' Note: Hole taking correct fill. Flow Check at the shoe. No flow.

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 438	Central Vacuum Unit	Vacuum	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
4,007.00	4,025.50	4,025.50, 7/22/2013	0.00	

Com
Pull rotating head rubber and install trip nipple.
Continue TOH from1547' to stab.
Attempt to pull wear bushing (Pulled 29k over)
L/D motor and bit
Clean rig floor.
PJSM with H&P crew for R/U 8 5/8" CRT and casing handling equipment. Callobrate TD and drawworks.
R/U 8 5/8" CRT and casing handling equipment.
PJSM with H&P CRT rep and crew. TIH with 8 5/8" 32# J-55 Intermediate casing to 3233'. (tagged bottom) Wash down last 2 joints.
Circulate 1 1/2 casing volume. L/D tag joint. P/U hanger and land in wellhead @3234'. Set External Casing Packer @ 1392'.
PJSM R/U Halliburton cementing equipment Test lines to 3000 psi, Cement per Chevron cement program pump schedule. Displace 191 bbls of BW. Bumped plug and held 1300 psi for 5 minutes (FCP=803 psi), test good. Checked floats, bled back 1 bbl. Full returns throughout the job. Returned 4 bbls of cement to surface. Pressure up and set Weatherford external pack off with 1800 psi.
PJMS R/D Halliburton cementing equipment
Report Start Date: 8/2/2013
Com
PJMS R/D Halliburton cementing equipment
PJSM R/D H&P CRT
PJSM for running L/D joint and running pack-off, Run G.E. pack off and land in wellhead. Pressure test void to 2000 psi as per drilling procedure. Test good. Instal wear bushing.
L/O & strap 7 7/8" production BHA.
P/U & M/U 7 7/8" Production BHA.TIH with 7 7/8" Production BHA from surface to 3172' (tagged TOC)
JSA Level Derrick. Level Derrick
Pull trip nipple and install rotating head rubber.
Perfom safety drills. (Well control drill, Fire, spill, man down and evacutation drill)
Test casing to 1500 psi and held pressure for 30 mins (Test Good)
Perform Choke Drill and function test BOP.
Rig Service
Drill out cement and float equipment from 3128' to 3224' (float collar @3172')
Drill 10' new hole to 3243', CC Mud wt in = Mud wt out: w/ 9.9 ppg, Perform FIT 13.0 ppg EMW.
Drilling 7 7/8" Production Hole Section From 3243' to 3319'. AROP 30 FPH. TD 60 RPM. Motor 67 RPM 130 SPM. 475 GPM. WOB 8-10 Klbs. Torque 2-3 Kft*lbs. SPP 1500 psi. Differential 150 psi,
Report Start Date: 8/3/2013
Com
Drilling 7 7/8" Production Hole Section From 3319' to 3858'. AROP 30 FPH. TD 40 RPM. Motor 68 RPM 180 SPM. 425 GPM. WOB 10-13 Klbs. Torque 2-3 Kft*lbs. SPP 1600 psi. Differential 150 psi,
Rig Service
Trouble shoot Top Drive. Reprogram and change parameters on the PGX2 Card in the VFD. Change the signal cable from being double grounded.
Drilling 7 7/8" Production Hole Section From 3858' to 4033'. AROP 89 FPH. TD 60 RPM. Motor 76 RPM 180 SPM. 475 GPM. WOB 10-15 Klbs. Torque 2-3 Kft*lbs. SPP 1600 psi. Differential 150 psi,
Report Start Date: 8/4/2013
Com
C/O packing on MP#2.
Drilling 7 7/8" Production Hole Section From 4033' to 4445'. AROP 23 FPH. TD 60 RPM. Motor 68 RPM 180 SPM. 400 GPM. WOB 10-13 Klbs. Torque 2-3 Kft*lbs. SPP 1600 psi. Differential 150 psi,
Rig Service
Drilling 7 7/8" Production Hole Section From 4445' to 4591'. AROP 24 FPH. TD 60 RPM. Motor 76 RPM 180 SPM. 475 GPM. WOB 10-15 Klbs. Torque 2-3 Kft*lbs. SPP 1600 psi. Differential 150 psi,
Report Start Date: 8/5/2013
Com
Drilling 7 7/8" Production Hole Section From 4591' to 5120'. AROP 24 FPH. TD 60 RPM. Motor 76 RPM 180 SPM. 475 GPM. WOB 10-15 Klbs. Torque 2-3 Kft*lbs. SPP 1600 psi. Differential 150 psi,
Circulate 2 hi-vis sweeps around. Sweep brought back no change in cutting on the shakers.
Check for Flow. No Flow
TOH from 5120' to 3182" Note: Hole taking correct fill. Flow Check at the shoe. No flow.
Pull rotating head rubber and install trip nipple.
Continue TOH from 3,182' to 2,770'.
Clean rig floor. Prep to pull wer bushing.
Report Start Date: 8/6/2013

Summary Report

Drill
Drill and Suspend
Job Start Date: 7/22/2013
Job End Date: 8/7/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 438	Central Vacuum Unit	Vacuum	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
4,007.00	4,025.50	4,025.50, 7/22/2013	0.00	

Com
Pull wear bushing, clean rig floor, c/o TD grabber dies
Safety meeting and revise JSA for R/U H&P CRT
R/U H&P CRT and casing equipment, prep 5 1/2 17# L80 casing
Safety meeting for running casing
RIH w/900' 5 1/2" 17# L80 csg
Pre Tour Safety Meeting @6:00 am Discussing The Tenet For The Day # 6 (We Always maintain integrity of dedicated systems) The Crew Discussed The Hazard ID Tool (Temperature) The DSM Explained The Daily Operations. The Tool Pusher Discussed Operations: R/U H&P CRT and Run and cement production casing per Halliburton schedule, Install BPV, N/D BOP. Install tubing head, Clean pits
Run 5 1/2" 17# L80 csg as follows: float shoe 2 shoe Jt float collar 16 Bond Coat 1 20' marker jt. 13 jts. 1 ECP 95 Joints Casing shoe landed at 5120' Top of FC at 5020' L/D tag jt, P/U hanger and land 5 1/2" csg
Circulate 2 bottoms up Held PJSM w/Halliburton cmt crew
R/U cement equipment and test certified iron to 5000psi.
Cement per Halliburton pump schedule. Displace 115 bbls of FW. Bumped plug and held 2800 psi for 5 minutes (FCP=540 psi), test good. Checked floats, bled back 1 bbl. Full returns throughout the job. Returned 50 bbls of cement to surface.

	bbls	sacks	bpm	wt. (ppg)
Spacer	20	n/a	6	8.4
Lead	125	420	6	13.2
Tail	84	445	6	14.8
Disp.	115	n/a	6	8.3

Flush fresh water trough BOP, kill line, flow line choke manifold, gas buster, TD, and shaker manifold
PJSM for RD cementers
RD cementers and set BPV
PJSM for RD CRT
RD CRT and casing equitment
PJSM for nipple down w/manns torque crew
Nipple down flow line, rotating head, and BOP
Report Start Date: 8/7/2013

Com
Finish Nippling Down BOPE & Rack Stack Back & Lay over
Install Pack Off & Test To 5000 PSI, Installed Tubing Head & Tested To 5000 PSI
Clean mud pits, dock top drive, unspool draw works, cut

Report Printed: 10/16/2013