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

HOBBS OCD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
JAN 12 2012
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-30139	
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 ☐	7. Lease Name or Unit Agreement Name NEW MEXICO STATE AB
	8. Well Number 9
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; ABO REEF

4. Well Location
Unit Letter P: 538 feet from the SOUTH line and 818 feet from the EAST line
Section 6 Township 18-S Range 35-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: REPLACE ESP & ACIDIZE		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 REPLACE ESP & ACIDIZE 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: 01-11-2012

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

APPROVED BY: Maley B Brown TITLE Compliance Officer DATE 1/18/2012
Conditions of Approval (if any):

JAN 23 2012

NM AB State #9

Job: Replace ESP and Acidize
API No. 30-025-30139
Lea County, NM

Workover Procedure:

RIGLESS / PRE-WORK:

1. Note: Production liner is 5.00" 15# casing.
2. Ensure location is of adequate build and construction. Ensure anchors have been pull tested within last 24 months. Ensure compliance with MCA SWP / distance to electrical power lines – complete electrical variance if necessary. Caliper and inspect tubing elevators each time tubing diameters are changed and at the beginning of each work day.

WITH RIG:

1. MIRU PU.
2. Record tubing and casing pressures for kill weight mud calculations. Kill well.
3. Ensure well is dead & ND wellhead.
4. NU 5M hydraulic BOP with blind rams in bottom and 2-3/8" pipe rams in top & 3M hydraulic annular. Ensure BOP is delivered with good stump test documentation (will not be able to test BOP due to ESP cable.
5. Caliper and inspect elevators and lifting equipment. RU Centrilift tubing spooler. TOH standing back 2-3/8" L-80, 4.7# 8RD EUE production tubing and ESP. Send ESP to Centrilift for teardown.
6. PU notched collar & TIH with all 2-3/8" production tubing.
7. RU tubing scanners and scan 2-3/8" production tubing out of the hole. Blue and yellow joints OK to rerun.
8. MI 9200' 2-3/8" 4.7# L80 8RD EUE work string.
9. TIH with ***4-1/4***" MT bit & 6 x 3 ½" DCs on 2-3/8" L80 work string. Cleanout to 8900' (Note: a CIBP is set @ 8918' = PBTD. Tight spots experienced previously @ 5195', 5400', & 5972'). Catch samples of returns and have Baker Petrolite analyze the samples.

a. If calcium sulfate scale is identified, mix 3 drums of SRW-196 scale converter with 15 barrels of FW & spot across perfs through bit. Allow SRW-196 to soak overnight.

10. TOH stand back WS & LD C/O assembly.

11. PU 5.00" 15# treating packer & TIH hydrotesting to 6000 psi below slips. Set packer @ 8050'. Load @ test backside to 500 psi.

12. MIRU Acid Unit. Have 4000 lbs of rock salt on site. Pump acid at 6-8 BPM. Max Pressure = 5800 psi. Acidize perfs with 6,000 gallons 15% NEFE HCL as follows:

    1) 500 gals Brine Water as a pad to establish injection rate
    2) 2000 gals 15% NEFE HCL
    3) 1000# Rock Salt in gelled BW
    4) 1500 gals 15% NEFE HCL
    5) 1000# Rock Salt in gelled BW
    6) 1500 gals 15% NEFE HCL
    7) 1000# Rock Salt in gelled BW
    8) 1000 gals 15% NEFE HCL
    9) Switch to FW to displace to bottom of perfs

    Note: Adjust Rock Salt volumes based on results of previous drops

13. Shut-in for 1 hour to allow acid to spend.

14. Attempt to flow back load. If well is dead and will not flow, then swab back load.

15. IF SCALE WAS IDENTIFIED, WSM NOTIFY BAKER PETROLITE & PUMP SCALE SQUEEZE UNDER PACKER PER BAKER PETROLITE RECOMMENDATION.

16. Unset packer & TOH standing back WS. LD packer.

17. PU 4-1/4" MT bit & make cleanout run to PBTD @ 8918'. Wash salt/fill as necessary.

18. TOH & lay down workstring and bit.

19. RIH with ESP on existing 2-3/8" L-80, 4.7# production tubing. Set bottom of ESP @ ~8100' per production engineer.

20. Ensure well is dead & ND BOP.

21. NU QCI wellhead.

22. RDMO PU.

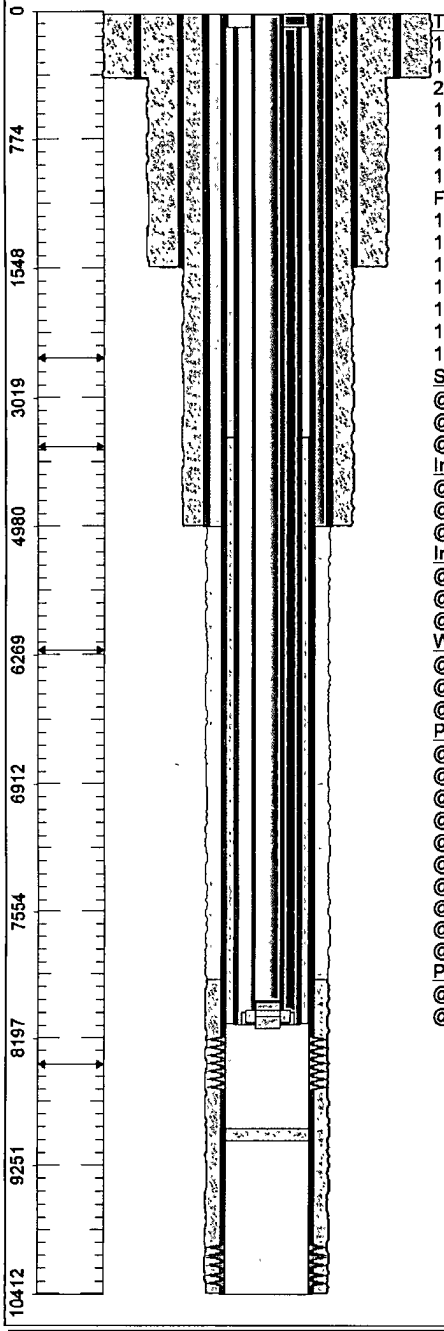
23. Turn well over to production.

Contacts:

Nathaniel Brummert – Remedial Engineer (713-409-6170)
Danny Acosta – ALCR (Cell: 575-631-9033)
Edgar Acero – Production Engineer (432-687-7343 / Cell: 432-230-0704)
Boyd Schaneman – (432-687-7402 / Cell: 432-238-3667)
Drilling Supt. - Heath Lynch – (432-687-7402 / Cell: 432-238-3667)
OS – Nick M. – 432 631 0646
Sam Prieto - Peak Packers – (575-631-7704)

Chevron U.S.A. Inc. Wellbore Diagram : NM AB ST 09

Lease: OVC VACUUM	**Well No.:** NMX AB 9 VAR 9	**Field:** FLD-VACUUM	
Location: 538FSL818FEL	**Sec.:** N/A	**Blk:**	**Survey:** N/A
County: Lea **St.:** New Mexico	**Refno:** IT2296	**API:** 3002530139	**Cost Center:** UCT492900
Section: 6	**Township:** 018 S		**Range:** 035 E
Current Status: ACTIVE		**Dead Man Anchors Test Date:** NONE	
Directions:			



Tubing String Quantity (Top-Bottom Depth) Desc
1 @(19-20) Tubing Hanger-Single (7.000") - Bare
1 @(20-23) L-80 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift -
256 @(23-8007) L-80 2.375 OD/ 4 70# T&C External Upset 1 995 ID 1.901
1 @(8007-8008) Seat Nipple - Stainless 316 (2 375") Cup Type - N/A
1 @(8008-8008) Drain Valve - Bare
1 @(8008-8012) L-80 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901 Drift -
1 @(8012-8052) ESP Pump (Non-Serialized/Generic) - Bare
FOUR PUMPS
1 @(8052-8054) ESP Gas Separator (Non-Serialized/Generic) - Bare
1 @(8054-8063) ESP Seal (Non-Serialized/Generic) - Bare
1 @(0-7963) ESP Cable - Unknown Size - Bare
1 @(7963-8068) ESP-Motor Flat Cable - Bare
1 @(8068-8068) ESP Motor Pothead - Bare
1 @(8063-8084) ESP Motor (Non-Serialized/Generic) - Bare
1 @(8084-8088) ESP Downhole Sensor (Non-Serialized/Generic) - Bare
Surface Casing (Top-Bottom Depth) Desc
@(19-408) H-40 20.000 OD/ 94.00# Round Short 19.124 ID 18.936 Drift - N/A
@(19-408) Cement
@(19-408) Wellbore Hole OD-24.0000
Intermediate Casing (Top-Bottom Depth) Desc
@(19-1540) K-55 13.375 OD/ 54.50# Round Short 12.615 ID 12.459 Drift - N/A
@(19-1540) Cement
@(408-1540) Wellbore Hole OD-17.5000
Intermediate Casing 2 (Top-Bottom Depth) Desc
@(19-4978) J-55 9.625 OD/ 40.00# Round Short 8 835 ID 8 679 Drift - N/A
@(19-4978) Cement
@(1540-4978) Wellbore Hole OD-12.2500
Wellbore Notes (Top-Bottom Depth) Desc
@(5195-5195) Tight Spot
@(5400-5400) Tight Spot
@(5972-5972) Tight Spot
Production Casing (Top-Bottom Depth) Desc
@(19-10413) L-80 7.000 OD/ 26.00# Round Short 6.276 ID 6.151 Drift
@(4978-10413) Wellbore Hole OD- 8.7500 - N/A
@(7900-10413) Cement
@(8918-8921) Cast Iron Bridge Plug
@(8188-8579) Perforations - Open
@(9958-9999) Perforations - Squeezed
@(8918-8918) Plug Back Total Depth
@(8188-10338) Producing Interval (Completion) - Bare
@(10052-10099) Perforations - Squeezed
@(10215-10338) Perforations - Squeezed
Production Liner (Top-Bottom Depth) Desc
@(19-8127) L-80 5.000 OD/ 15.00# Round Long 4.408 ID 4.283 Drift - Bare
@(3940-8127) Cement

Ground Elevation (MSL):: 3969.00	**Spud Date:** 12/02/1987	**Compl. Date:** 01/01/1970
Well Depth Datum:: CSI0000N	**Elevation (MSL)::** 0.00	**Correction Factor:** 19.00
Last Updated by: jackssl	**Date:** 12/07/2011	