Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS OCD
MAR 11 2019
RECEIVED

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	Lease Serial No. NMNM27506
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	8. Well Name and No. SD EA 18 19 FED P14 14H
2. Name of Operator CHEVRON USA INCORPORATED Contact: CINDY H MURILLO E-Mail: CHERRERAMURILLO@CHEVRON.COM	9. API Well No. 30-025-44139-00-X1
3a. Address 6301 DEAUVILLE BLVD MIDLAND, TX 79706	3b. Phone No. (include area code) Ph: 575-263-0431 Fx: 575-263-0445
	10. Field and Pool or Exploratory Area WC025G09S263327G-UP WOLFCAMP
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 18 T26S R33E NWNE 455FNL 2555FEL 32.049534 N Lat, 103.611084 W Lon	11. County or Parish, State LEA COUNTY, NM

Accepted for Record
OCD Hobbs

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☒ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

CHEVRON USA INS IS REQUESTING TO REPAIR CASING ON THE ABOVE SUBJECT WELL.PLEASE FIND ATTACHED A DETAILED PROCEDURE AND COPY OF WELLBORE SCHEMATIC.
IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT MATT DEFRIEND, WORKOVER ENGINEER AT 432-687-7849.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #447203 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/13/2018 (19PP0592SE)

Name *(Printed/Typed)* CINDY H MURILLO — Title PERMITTING SPECIALIST

Signature (Electronic Submission) — Date 12/11/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS — Title PETROLEUM ENGINEER — Date 02/18/2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Chevron USA Inc.
Mid-Continent Business Unit

Workover Procedure – Surface Casing Leak Remediation

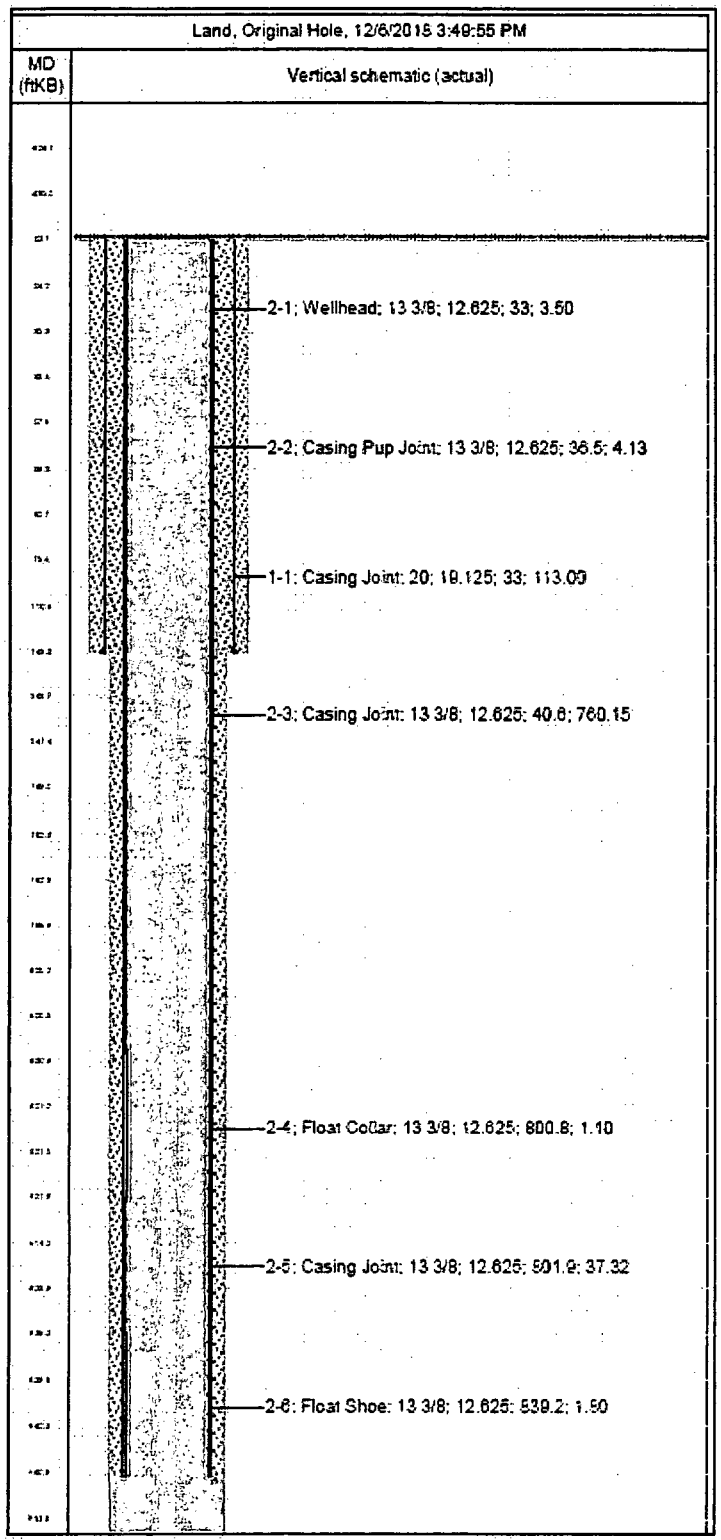
Salado Draw EA 18 19 Fed P14 #14H

Field: Salado Draw

FMT: Carlsbad

Position	Name	Signature	Date
Workover Team Lead	Mackenzie Graham	M. Graham	12/10/2018
Workover Superintendent	Scott Miller	Scott A Miller	12-10-18
Workover Engineer	Matt DeFriend	Matt DeFriend	12/10/2018
Production Engineer	Edgar Acero	Edgar Acero	12/10/2018

Current Wellbore Diagram



General Well Data

WELL:		**SD EA 18 19 Fed P14 14H**		**WBS #:**	**UWDDB-D8079-DRL**
FIELD:		**Salado Draw**		**DATE:**	**December 10, 2018**
API NO:		**30-025-44139**		**STATUS of WELL:**	**Surface Casing Set @ 841'**
COUNTY:		**Lea, NM**		**CVX WI:**	**100%**
COST CENTER:		**UCPK92000**		**CHEVNO:**	**PM8774**

WELL TUBULAR SPECS	ID (in)	DRIFT (in)	Capacity (bbl/ft)	Internal Yield (psi)	Tensile (#/ft)	Depth (ft)
13-3/8" 54.5# K55 Cmt to Surface (from reports)	12.615	12.459	0.155	2730	547,000	841

OBJECTIVE:

1. Squeeze surface casing leak @510' and test to 1500 psi

Background Information:

Well was spudded by surface rig in May 2018. Surface hole section was drilled without issues, 13-3/8" casing run to 841', and then cemented to surface without problems – see job summary below. However, when they attempted to test surface casing to 2000 psi, pressure would not hold. Pressure would bleed off ~400 psi in 30 minutes.

Pump primary cement job with on surface casing as per Drilling Program/CPDP.

Preload weatherford type of plug
Pump spacer (30 bbls)
Mix and pump Tail cement (205 bbls)
Drop top plug confirmed by Ben Lucas.
Displace cement with 120 bbls of fresh water.
Bump plug, Hold 500 psi over final circulating pressure. FCP = 350 psi. Check floats. .25 bbls bled back. Plug in place 14:00
Floats = Good.

Notes:
Cement to surface: 70 bbls of cement or spacer
Returns: full returns throughout job Plug bumped at calculated displacement.

We moved back on the well with C&J 1454 workover rig in November 2018 to locate the leak and found two leaks: **the shoe (below 671') and ~510'**.

Workover Procedure:

1. MIRU workover rig. Check pressure on surface casing.

2. N/U 13-5/8" BOP and test to 250 psi low, 2000 psi high for 5 minutes each.

3. Pick up 13-3/8" retrievable bridge plug on 3-1/2" 9.5# S-135 Drill Pipe (needed for high tensile loads for testing large 13-3/8" tools). Run in hole to 562' MD, 2 joints below shallow leak interval. Set Bridge Plug Per Tool Hand instructions. POOH.
   - Leak interval f/ 510' to 514'

4. TIH and spot 30' sand plug above RBP to prevent cement on top of RBP. Confirm top of sand depth before P/U cement retainer.

5. TIH to top of sand plug at ~ 540'. R/U Petroplex cementers and prepare for squeeze job.

6. Pump 13 bbl (79 sx) of 12 ppg Micro-Matrix cement slurry, displace with 3 bbl of freshwater, leaving 1 bbl cmt in the drillpipe - TOC in annulus should be at 450'.

7. POOH slowly w/ 4 joints until end of pipe is above top of cement. Reverse circulate drillpipe clear of cement (cement plug at this point should be ~450'-540' across leak).

8. Stab and close 3-1/2" TIW. Close pipe rams and apply 2000 psi squeeze pressure to backside, shut down and observe pressures. After pressure bleeds off ~100 psi, increase pressure again to 2000 psi. Continue to repeat until cement reaches 50 psi compressive strength.

9. Pressure test casing to 1500 psi on chart for 30 minutes.

10. P/U 13-3/8" bit, 6 x 3-1/8" drill collars, and TIH to top of cement.

11. Drill out cement through leak interval until sand is seen in the returns (getting close to RBP).

12. Pressure test squeezed interval & casing to 1500 psi on chart for 30 minutes.
    - NOTE: If pressure drops more than 150 psi during test, contact superintendent & engineer to discuss forward plan.

13. Wash sand from top of RBP, POOH. TIH w/ retrieving tool and retrieve RBP, POOH.

14. Pressure test surface casing to 1500 psi on chart for 30 min.

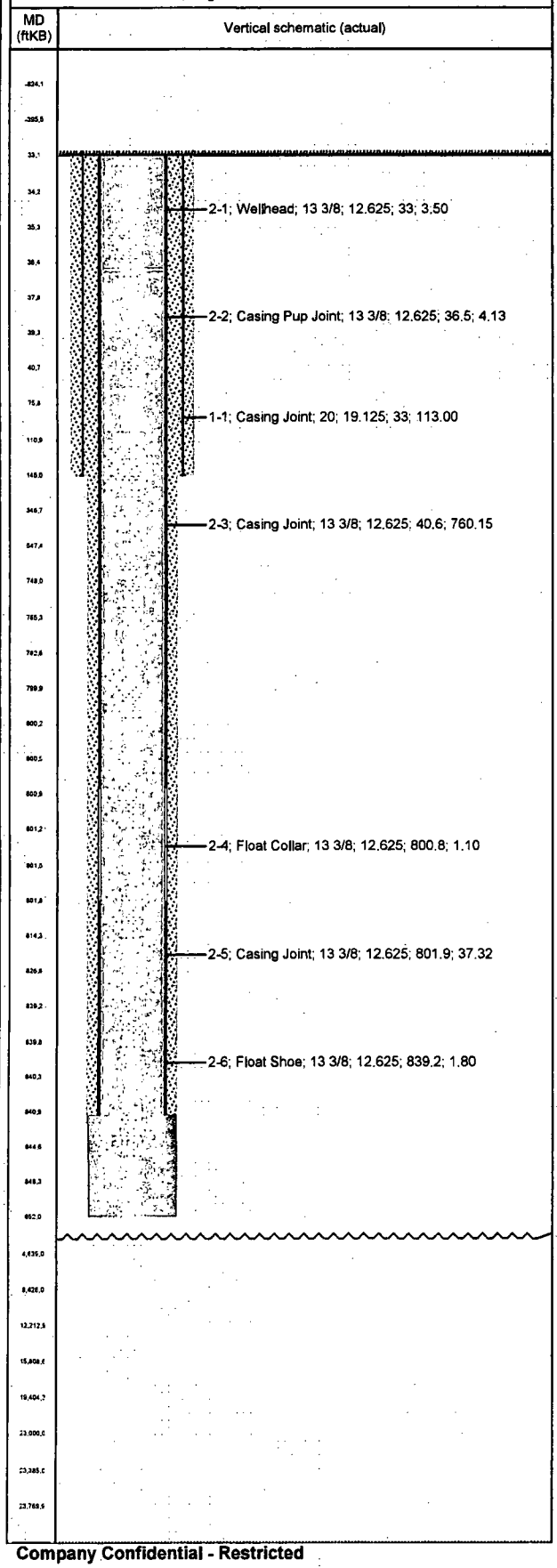
    - NOTE: If pressure drops more than 150 psi during test, contact superintendent & engineer to discuss forward plan.
    - If shoe is leaking, pressure test to 320 psi on chart for 15 min (320 psi with freshwater in the hole = 15.9 ppg minimum FIT as planned).
    - If FIT passes, P/U RBP and set as deep as possible to isolate shoe track, then test casing again to 1500 psi on chart for 30 minutes.

15. Release all equipment, clean location, and RDMO.

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SD EA 18 19 FED P14 14H	SD EA 18 19 FED P14	Bone Spring	Mid-Continent

Land, Original Hole, 12/6/2018 3:49:55 PM



Job Details

Job Category	Start Date	Rig/Unit End Date
Major Rig Work Over (MRWO)	11/12/2018	11/21/2018

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Conductor	20	94.00	H-40	STC	146
Surface	13 3/8	54.50	K-55	STC	841

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com