Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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 reverse side.	7. If Unit or CA/Agreement, Name and/or No.

5. Lease Serial No.
NMNM91078

6. If Indian, Allottee or Tribe Name

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	8. Well Name and No. LENTINI 1 FEDERAL 22
2. Name of Operator CHEVRON USA INC Contact: CINDY H MURILLO E-Mail: CHERRERAMURILLO@CHEVRON.COM	9. API Well No. 30-015-28475
3a. Address 15 SMITH RD MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 575-263-0431 Fx: 575-263-0445	10. Field and Pool, or Exploratory E HERRADURA BEND
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T23S R28E Mer NMP 990FNL 2310FWL	11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Workover Operations
☐ Final Abandonment Notice	☐ 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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 INC PLANS TO WORKOVER THE ABOVE WELL
ATTACHED IS A PROPOSED PROCEDURE AND CURRENT AND PROPOSED WELLBORE DIAGRAM.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 2 5 2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #243488 verified by the BLM Well Information System
For CHEVRON USA INC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 05/22/2014 ()**

Name (Printed/Typed) CINDY H MURILLO	Title PERMITTING SPECIALIST		APPROVED
Signature (Electronic Submission)	Date 04/25/2014		

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By___	Title
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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

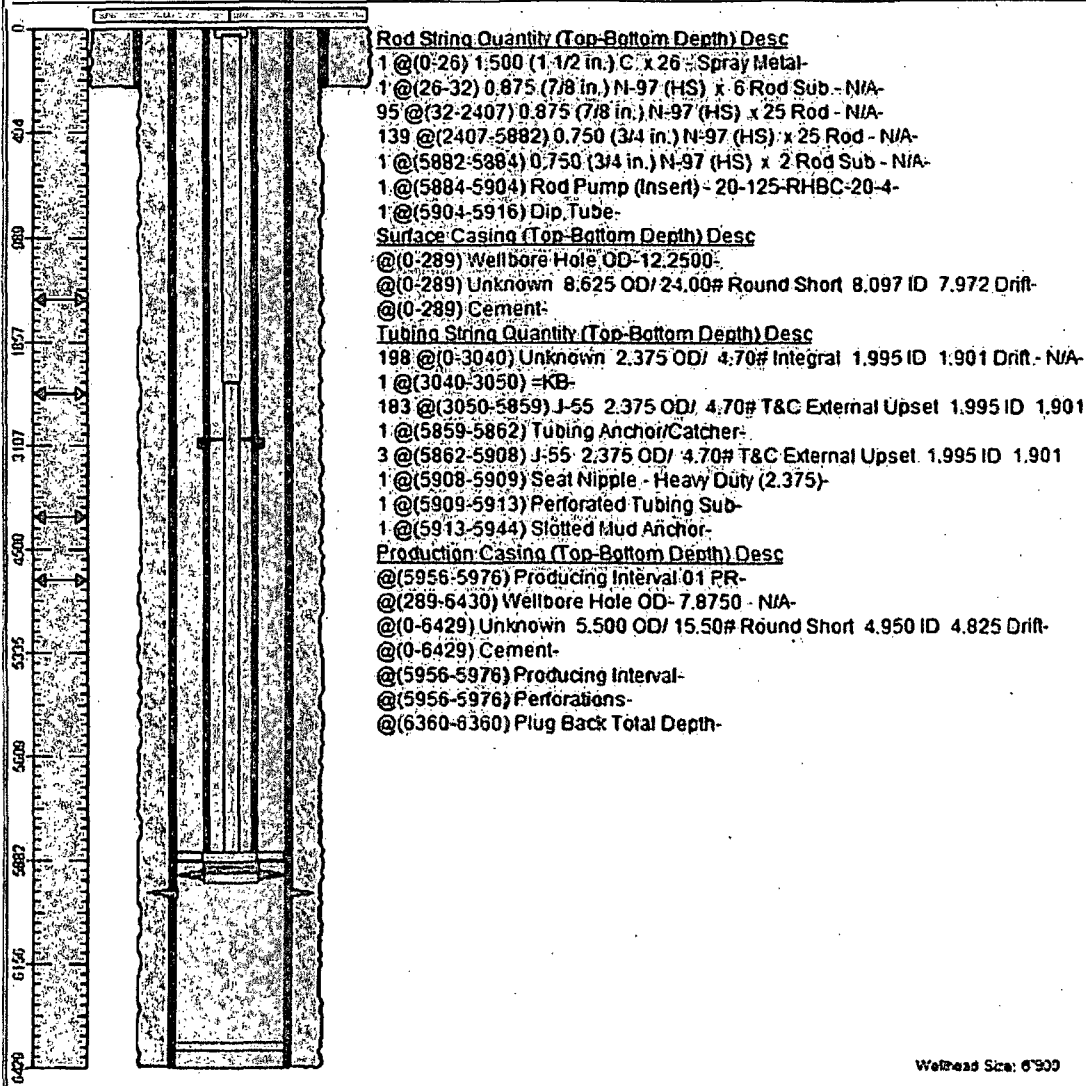**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Verify that well does not have pressure or flow. If well has pressure, note tubing and casing pressures on wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).

1 MIRU pulling unit and related equipment.

2 Unseat pump and POOH w/ rods & LD pump (examin rods for wear/pitting/parraffin, do not hot water unless necessary)

3 ND WH. NU 7-1/16" 5,000 psi BOP with 2-3/8" pipe rams over blind rams.

4 Release TAC and POOH w/ 1 stand. PU 5-1/2" tension pkr on one Jt 2-3/8" tbg and set @ ~25'. Test BOP rams to 250/500 psi
2,000 psi

5 POOH while scanning w/ 2-3/8" 4.7# J-55 production tbg & LD production BHA + test pkr (strap pipe out of the hole to verify depths and note them on Wellview report). Replace any bad jts (use ERW tbg if available from 1788)

6 RU wireline. Test lubricator on rack to 500 psi. NU Lubricator. PU/RIH w/ GR + 5-1/2" CBP. Correlate plug depth off of CBL log dated xxx. Set CBP @ 5,830'. Dump bail 2 sx of class 'H' cmt on top of CBP. Shut BOPE and test CBP to 500#. If test is good, POOH

7 PU/RIH w/ perforating guns. Perforate csg @ (5,706-16') (5,730-40') (5,754-64') w/ 3 spf and 120 degree phasing (90 total holes). POOH/LD guns (check to make sure all shots fired). ND Lubricator. RD

8 Change rams from 2-3/8" to 3-1/2". PU 1 jt 3-1/2" ws + pkr, RIH & test 3-1/2" rams to 250/500. PU/TIH w/ 5-1/2" treating pkr on 3-1/2" L-80 workstring. Set pkr @ 5,200'

9 NU 10k frac valve and frac pack on 5k BOP. Load & Pressure csg 500 - 1000 psi. RDMO PU

10 Prep for sand frac job on xx.

11 MIRU frac - Hold JSA. Test iron to 6000 psi

12 Pump sand frac w/ 2,000 gal 15% HCL + 132,000 lb 20/40 + 28,000 lb 20/40 CRC sand @ 30 bpm, **max psi = 5500**. Displace sand to top perf.

13 Record ISIP, 5, 10, & 15 min. pressures. Dump xx sx of sand down well to create sand plug

14 RU wireline. Test lubricator on rack to 500 psi. NU Lubricator. PU/RIH w/ GR + perforating guns. Perforate csg @ (5,248-78') w/ 2 spf and 0-180 degree phasing. POOH/LD guns (check to make sure all shots fired). ND Lubricator. RD

15 Pump sand frac w/ 2,000 gal 15% HCL + 132,000 lb 20/40 + 28,000 lb 20/40 CRC sand @ 30 bpm, **max psi = 5500**.

16 Record ISIP, 5, 10, & 15 min. pressures. RDMO HAL

17 RU pressure gauge on well to determine pressure. If necessary RU flowback equipemnt. Stake lines w/ steel hobbles. Flow back well until it dies.

18 MIRU pulling unit and related equipment. RD frac pack. Release pkr & POOH/LD 3-1/2" L-80 workstring + pkr. Change rams from 3-1/2" to 2-7/8". PU 1 jt 2-7/8" ws + pkr, RIH & test rams to 250/500 psi

19 PU/TIH w/ 2-7/8" L-80 workstring + 4-3/4" bit + DC's & cleanout to PBTD of 6,360'. Circ well clean

20 POOH/LD workstring + bit + DC's

21 (Discuss production equipment setting with ALCR prior to running) PU production equipment & TIH w/ 2-3/8" 4.7# J-55 production tbg down to 6,000. Set TAC @ 5,200'. ND BOP. NU WH. TIH w/ rods and pump per ALCR. Hang well on. RDMO

22 Turn well over to operations

Chevron U.S.A. Inc. Wellbore Diagram : LNT22

Rod String Quantity (Top-Bottom Depth) Desc
1 @(0-26) 1.500 (1 1/2 in.) C x 26 - Spray Metal-
1 @(26-32) 0.875 (7/8 in.) N-97 (HS) x 6 Rod Sub - N/A-
95 @(32-2407) 0.875 (7/8 in.) N-97 (HS) x 25 Rod - N/A-
139 @(2407-5882) 0.750 (3/4 in.) N-97 (HS) x 25 Rod - N/A-
1 @(5882-5884) 0.750 (3/4 in.) N-97 (HS) x 2 Rod Sub - N/A-
1 @(5884-5904) Rod Pump (Insert) - 20-125-RHBC-20-4-
1 @(5904-5916) Dip Tube-
Surface Casing (Top-Bottom Depth) Desc
@(0-289) Wellbore Hole OD-12.2500-
@(0-289) Unknown 8.625 OD/ 24.00# Round Short 8.097 ID 7.972 Drift-
@(0-289) Cement-
Tubing String Quantity (Top-Bottom Depth) Desc
198 @(0-3040) Unknown 2.375 OD/ 4.70# Integral 1.995 ID 1.901 Drift - N/A-
1 @(3040-3050) =KB-
183 @(3050-5859) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901
1 @(5859-5862) Tubing Anchor/Catcher-
3 @(5862-5908) J-55 2.375 OD/ 4.70# T&C External Upset 1.995 ID 1.901
1 @(5908-5909) Seat Nipple - Heavy Duty (2.375)-
1 @(5909-5913) Perforated Tubing Sub-
1 @(5913-5944) Slotted Mud Anchor-
Production Casing (Top-Bottom Depth) Desc
@(5956-5976) Producing Interval 01 PR-
@(289-6430) Wellbore Hole OD- 7.8750 - N/A-
@(0-6429) Unknown 5.500 OD/ 15.50# Round Short 4.950 ID 4.825 Drift-
@(0-6429) Cement-
@(5956-5976) Producing Interval-
@(5956-5976) Perforations-
@(6360-6360) Plug Back Total Depth-

Wellhead Size: 6"900

Chevron

Lentini 1 Federal #22 (Brushy Canyon) (Wellbore Diagram)

Eunice FMT - FLD-EAST HERRADURA BEND

Well Data

Well Type	Well #	API No.	Reservoir
Oil	Lentini 1 Federal #22	30-015-28475	Brushy Canyon
First Completed	**Cost Center**	**Chevron Ref. No.**	**WBS #**
4-Jun-95		QY4108	
Plug Back Depth (ft)	**Total Depth (ft)**	**Production Method**	**Status**
6,360	6,429	Rod Pump	Online

Location: 990 FNL, 2310 FWL

Field	County	State	Township
FLD-EAST HERRADURA BEND	Eddy	New Mexico	23S
Range	**Section**	**GPS (NAD27) (Long, Lat)**	
28E	1	N 32° 20' 20.4", W 104° 2' 29.22" (NAD27)	

Wellhead and Tree Data

Item	Maker	Type	Size (in)	Part No.	Rating (psi)

Casing and Liner Data

Size (in)	Wt (lb/ft)	Grade	Top MD-ft	Bottom MD-ft	TVD-ft	TOC
8 5/8	23	WC-50	0	289		Surface
5 1/2	15.5	K-55	0	6,429		Surface
2 3/8	4.7	Unknown	0	3,040		
2 3/8	4.7	J-55	3,040	5,859		

Tubing Data

Size (in)	Wt (lb/ft)	Grade	Conn	Top (ft)	Bottom MD (ft)	TVD (ft)	Comments
2 3/8	4.7	Unknown		0	3,040		
2 3/8	4.7	J-55		3,040	5,859		

MDBRT (ft)	TVDBRT (ft)	Well Schematic	Description	Min ID (")	Max OD (")	Drift (")	Length	Comments
289			Hole Size 12 1/2", 8 5/8" Csg, 23#, WC-50, set w/400 sks Class C cement	8.097	8.625	7.972	289	(0-289') TOC - Surface (Surface Casing info.) TOC - Surface (Cement Info.)

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/ WTO Engineer, WO Rep, OS, AI S, & I S prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Perforation Data

Perfs (ft)	Zone	Status
5248 - Top	Brushy Canyon	Proposed
5278 - Bottom	Brushy Canyon	Proposed

5,248 / 5,278 — Length 30 — (Perforation info.) Proposed

Perforation Data

Perfs (ft)	Zone	Status
5706 - Top	Brushy Canyon	Proposed
5764 - Bottom	Brushy Canyon	Proposed

5,706 / 5,764 — Length 58 — (Perforation info.) Proposed

Perforation Data

Perfs	Zone	Status
5856-5976	Brushy Canyon	Open

w/2JHPF, 120 Deg, PHBD, 41 holes

6360			Plug Back Depth					
6429			Hole Size 7 7/8", 5 1/2" Csg, 15.5#, set w/1340 sks Class C cement	4.950	6.050	4.825	6429	Grade (unknown) (Production Csg info.) TOC - Surface (Cement Info.)
6429			TD					

Prepared by:	Checked By:	24-Apr-13	Version: 1

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by October 21, 2013.

1. **Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**

2. **If CIT passes, work is approved as proposed by operator.**

3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.

4. Surface disturbance beyond the originally approved pad must have prior approval.

5. Closed loop system required.

6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

7. Operator to have H2S monitoring equipment on location.

8. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

9. **Subsequent sundry required detailing work done. Operator to include well bore schematic of current well condition when work is complete.**

JAM 072114