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.

5. Lease Serial No.
NMNM91078

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
LENTINI 1 FED 5

2. Name of Operator
CHEVRON USA INCORPORATED
Contact: CINDY H MURILLO
E-Mail: CHERRERAMURILLO@CHEVRON.COM

9. API Well No.
30-015-27565-00-S1

3a. Address
15 SMITH ROAD
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 575-263-0431
Fx: 575-263-0445

10. Field and Pool, or Exploratory
HERRADURA BEND

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 1 T23S R28E SENW

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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ 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 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 INTENDS TO REPAIR CASING WITH THE FOLLOWING PROCEDURE:
THIS WORK SHOULD NOT TAKE LONGER THAN A FEW DAYS AND THE FOLLOWING ACID JOB IS PLANNED FOR FIVE DAYS. CHEVRON WOULD LIKE TO START THIS REPAIR AS SOON AS POSSIBLE.
PLEASE FIND ATTACHED PROCEDURE AND WELLBORE DIAGRAM.

9/23/15
Accepted for record
NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 21 2015
RECEIVED

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

Electronic Submission #253380 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 11/13/2014 (15DW0031SE)

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

Signature (Electronic Submission) — Date 07/16/2014

ACCEPTED FOR RECORD
SEP 11 2015
Charles Nimmer
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — Title CHARLES NIMMER PETROLEUM ENGINEER — Date 09/11/2015

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 Carlsbad

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.

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

WELL NAME: Lentini 1 Federal #5

API #: 30-015-27565 CHEVNO: OV8021

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 1,650' FNL & 1,725' FWL Sec.01 TwnShp: 23S Range: 28E

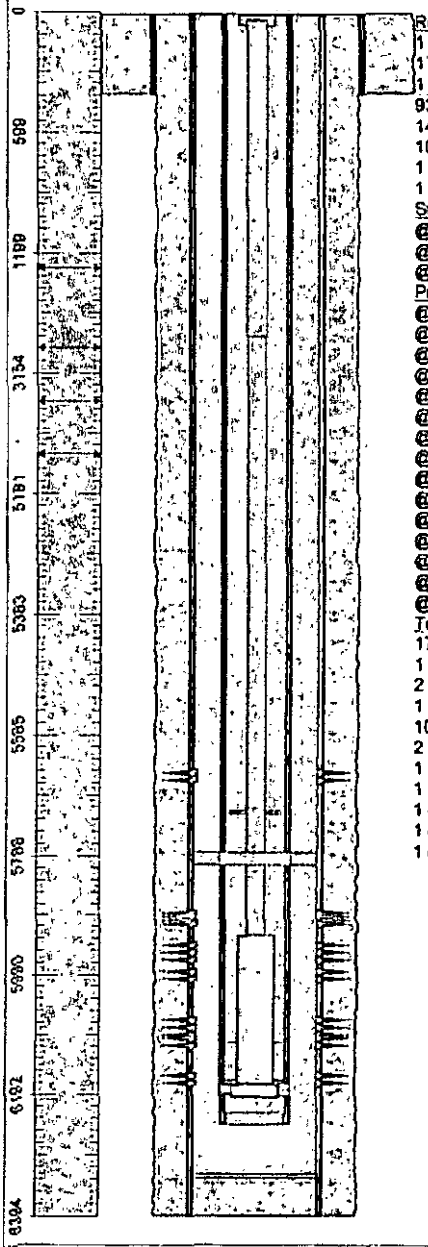
COMPLETION: 11/01/1993

SUPPLEMENTAL WH & CASING REPAIR

1. Have FE group dig out to witness leaking issue. ***Send Photo to WOE.***
2. Have all prep work done for WH Changeout
3. Verify no LEL or H2S present. Cut windows in 8 5/8" surface casing to expose 5 ½" production casing.
4. Rough cut 5 ½" production casing.
5. Final cut 8 5/8" surface casing and remove old WH.
6. Inspect 5 ½" for good pipe to weld to, and have welder make final cut to 5 ½" production casing.
7. Weld on 5 ½" Slip X Slip collar to casing. Stub up new 5 ½" at least 4' above ground level.
8. Have Welder prep new 8 5/8" casing to new 11" 3M WH.
9. Weld 8 5/8" Slip X Slip collar to original casing stub.
10. Strip over prepared new 8 5/8" casing and 11" 3M WH
11. Pull 15K over production casing and set slips in surface WH.
12. Install secondary packoff and test to 3000# with hydraulic hand pump.
13. Cut 5 ½" stub to proper fit 11" 3M X 7 1/16" 5M tubing head.
14. Install tubing head with RX-53 ring gasket.
15. Pressure test void in tubing head to 3000# using hydraulic hand pump. ***Note in Wellview.***
16. Install 7 1/16" B-1 adapter w/ 2" 3000# ball valve.
17. MIRU Pump truck, pressure test production casing to 500# thru B-1 adapter, Ensure surface casing valves have pressure gauge installed and no pressure is leaking to surface annulus. If tests good proceed to step 30, if not, contact WOE. + BLM
18. Have FE Group backfill and pack around well head.
19. NU **Chevron Class II-A configured 7-1/16" 5M** remotely-operated hydraulically-controlled BOP, **2-7/8"** pipe rams over blind rams. NU EPA pan.
    - Keep the charted test of the BOP supplied by the vendor for the entire job.
20. RU Floor and POOH w/1 Jnt. 2 7/8" tubing, PU 5 ½" PKR rated for 15.5# casing, RIH w/ PKR +/- 25' and test BOPE to 250/500 psi. Note testing pressures in Wellview. Release and LD packer.

Chevron U.S.A. Inc. Wellbore Diagram : LNT5

Lease: OHO HOBBS FMT	**Well No.:** LENTINI FEDERAL 5	**Field:** FLD-EAST HERRADURA BEND	
Location: 1650FN1725FW	**Sec.:** N/A	**Blk:**	**Survey:** N/A
County: Eddy **St.:** New Mexico	**Refno:** OV8021	**API:** 3001527565	**Cost Center:** UCKF10100
Section: E028	**Township:** 1 S		**Range:** S023 E
Current Status: ACTIVE		**Dead Man Anchors Test Date:** 11/10/2005	
Directions:			



Rod String Quantity (Top-Bottom Depth) Desc
1 @(13-39) 1.500 (1 1/2 in.) Spray Metal x 26-
1 @(39-41) 0.875 (7/8 in.) N-97 (HS) x 2 Rod Sub-
1 @(41-47) 0.875 (7/8 in.) N-97 (HS) x 6 Rod Sub-
93 @(47-2372) 0.875 (7/8 in.) N-97 (HS) x 25 Rod-
142 @(2372-5922) 0.750 (3/4 in.) N-97 (HS) x 25 Rod-
10 @(5922-6172) 1.500 (1 1/2 in.) K x 25 Sinker Bar-
1 @(6172-6176) 0.875 (7/8 in.) N-97 (HS) x 4 Rod Sub - Rod Guides-Molded (3 per rod)-
1 @(6176-6198) Rod Pump (Insert) (NON-SERIALIZED) - 25-125-R H BC -5-22-17-0 (Bore = 1.25)-
Surface Casing (Top-Bottom Depth) Desc
@(13-417) Wellbore Hole OD-12.2500-
@(13-417) M-50 8.625 OD/ 23.00# Round Short 8.121 ID 7.996 Drift-
@(13-417) Cement, 375sx-
Production Casing (Top-Bottom Depth) Desc
@(417-8395) Wellbore Hole OD- 7.8750 - N/A-
@(13-6395) K-55 5.500 OD/ 15.50# Hydril 521 4.950 ID 4.825 Drift - N/A-
@(13-6395) Cement, 1700 sx-
@(5645-6174) Producing Interval (Completion) - Bare-
@(5645-5656) Perforations - Open-
@(5881-5884) Perforations - Open-
@(5888-5905) Perforations - Open-
@(5935-5965) Perforations - Open-
@(5980-6004) Perforations - Open-
@(6062-6071) Perforations - Open-
@(6075-6083) Perforations - Open-
@(6092-6113) Perforations - Open-
@(6155-6174) Perforations - Open-
@(6326-6332) Fill in Wellbore (Sand, etc)-
@(6332-6395) Plug Back Total Depth-
Tubing String Quantity (Top-Bottom Depth) Desc
178 @(13-5714) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(5714-5718) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
2 @(5718-5782) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(5782-5785) Tubing Anchor/Catcher 2.875-
10 @(5785-6104) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
2 @(6104-6167) Blast Joint 2.875 OD-
1 @(6167-6168) Seat Nipple - Heavy Duty (2.875) Cup Type-
1 @(6168-6172) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(6172-6193) Cavins Desander 2 7/8 x 20 D-2703 G PC 85-175 Bbls/Day Frac Sand w/Gas-
1 @(6193-6223) J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347
1 @(6223-6224) Cavins Dump Valve (for use w/Desander) 2.875 - Bare-

Ground Elevation (MSL): 3066.00	**Spud Date:** 10/14/1993	**Compl. Date:** 11/01/1993
Well Depth Datum: Kelly Bushing	**Elevation (MSL):** 3079.00	**Correction Factor:** 13.00
Last Updated by: fitecl	**Date:** 10/26/2012	

Chevron

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OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 1,650' FNL & 1,725' FWL Sec.01 TwnShp: 23S Range: 28E

COMPLETION: 11/01/1993

The purpose of this project is to clean out to PBTD and restimulate with Sonic Hammer Acid Job the Delaware formation. This procedure is meant to be a guide only. It is up to the WSM, Workover Engineer and Production Engineer to make the decisions necessary to do safely what is best for the well. PLEASE REFER TO THE H2S SHEET AND TAKE ALL NECESSARY PRECAUTIONS TO MITIGATE THAT AND ANY OTHER RISKS.

Contacts: Tim Wallace (PE) 432-687-7679, 713-471-1391 (C)
Keith Anglley (OS) 432-894-1322 (C)
Stephen Poe (PTL) 575-441-4919 (C)
Emanuel Jimenez (ALCR) 575-263-0411, 575-631-9139 (C)
Kevin Jones(WE) 432-687-7388, 575-631-4407 (C)
Victor Bajomo (DS) 432-687-7953, 432-202-3767 (C)
Gabriel Garcia (LWSM) 575-390-7220 (C)
Darryl Ruthardt (LWSM) 575-390-8418 (C)
John Ridge (Sonic Hammer) 575-631-9381
Dustin Anderson (Petroplex) 432-631-5183
Ryan Young (Baker Petrolite) 806-778-9944
Jim Costin (FS) 575-602-8627 (C)
Rusty Young (FS) 575-703-5875 (C)

Wellbore Information:

Surface Casing –8 5/8" 23# M-50 set @ 417' TOC Surf.
Intermediate Casing – N/A
Production Casing – 5 ½" 15.5# K-55 set @ 6,395' TOC Surf.
PBTD – 6,332'
PERFS – 5,645' to 6,174' (Brushy Canyon)

Tubing Detail:

181 Jnts 2 7/8" J-55 6.5#
TAC @ 5,782'
10 Jnts 2 7/8" J-55 6.5#
2 Blast Joints 2 7/8"
HD SN @ 6,167'
1 Jnt 2 7/8" J-55 6.5#
Desander
1 Jnt 2 7/8" J-55 6.5#
Dump Valve

Rod Detail:

1.5"x26' Polish Rod
7/8"x2' N-97 Pony Rod
7/8"x6' N-97 Pony Rod
93 7/8"x25' N-97 Rods
142 ¾"x25' N-97 Rods
10 1 ½"x25' K Sinker Bars
7/8"x4' N-97 Pony Rod
25-125-RHC-5-22-17-0
Pump (Bore=1.25")

WELL NAME: Lentini 1 Federal #5

API #: 30-015-27565 CHEVNO: OV8021

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 1,650' FNL & 1,725' FWL Sec.01 TwnShp: 23S Range: 28E

COMPLETION: 11/01/1993

PRE-WORK:

1. Complete the rig move checklist.
2. Ensure location is in appropriate condition, anchors have been tested within the last 24 months, and power line distance has been verified to determine if a variance and RUMS are necessary.
3. When NU anything over an open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole.
4. Review H2S calculations in H2S tab included.
5. Any equipment installed at the wellbore, including wellhead (Inside Diameter), is to be visually inspected by the WSM to insure no foreign debris or other restrictions are present.
6. DO NOT! Flow back CO2 to non CO2 rated vessels.

PROCEDURE:

1. Verify that well does not have pressure or flow. If the well has pressure, note tubing and casing pressures on Wellview report. Bleed down well; if necessary, kill with cut brine fluid (10 ppg).
2. MIRU pulling unit and surface equipment.
3. Unhang well from pumping Unit.
4. Bleed off casing pressure to tank, if casing flowing fluid pump known weight fluid down casing, shut in for 30 mins, Calculate KWM and pump to kill well. If applicable.
5. Remove stuffing box and lay down polish rod.
6. Unseat pump and POOH hanging back rods inspecting for pitting and shoulder damage.
7. Kill tubing if needed.
8. Monitor well for 30 minutes to ensure it is dead. ND WH. Release TAC.
9. NU **Chevron Class III configured 7-1/16" 5M** remotely-operated hydraulically-controlled BOP, **2-7/8"** pipe rams over blind rams. NU EPA pan.
    - Keep the charted test of the BOP supplied by the vendor for the entire job.
10. RU Floor and POOH w/1 Jnt. 2 7/8" tubing, PU 5 ½" PKR rated for 15.5# casing, RIH w/ PKR +/- 25' and test BOPE to **250/1000** psi. Note testing pressures in WellView. Release and LD packer.

Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.

Wellhead Repair

11. PU RIH w/RBP and PKR rated for 15.5# casing, set RBP @ **5600'**, PUH to **5550'** and set PKR. Test RBP to **500** psi and note in Wellview.
12. POOH w/Production Tubing laying down (Stand back ~**1000'**).
13. PU RIH w/RBP and PKR rated for 15.5# casing, set RBP @ ~**1000'**, PUH to **950'** and set PKR. Test RBP to **500** psi and note in Wellview.
14. Dump **300#** of sand on top of RBP @ ~**1000'.**
15. Release PKR, POOH with Production tubing laying down.
16. NDBOP & NU WH (B1 Adapter)
17. RDMO PU and all Equipment to prep for WH Repair.

Due to amount of theft in area, please make arrangements with Emanuel Jimenez (ALCR) to place tubing and rods in secure location near Lentini Lease.

- If fill is tagged below **6,287'** clean out will not be needed! Continue to step 18**. (Contact Sonic Hammer Rep for delivery of tool.)**

Cleanout Procedure

18. MIRU PU and All equipment.
19. NU **Chevron Class III configured 7-1/16" 5M** remotely-operated hydraulically-controlled BOP, **2-7/8"** pipe rams over blind rams. NU EPA pan.
    - Keep the charted test of the BOP supplied by the vendor for the entire job.
20. RU Floor and POOH w/1 Jnt. 2 7/8" tubing, PU 5 ½" PKR rated for 15.5# casing, RIH w/ PKR +/- 25' and test BOPE to **250/1000** psi. Note testing pressures in WellView. Release and LD packer.
21. MI & Strap production tubing pulled from well prior to WH Repairs.
22. PU Retrieving head for 5 ½" 15.5# RBP, RIH to top of sand, wash down to RBP @ ~**1000'** latchand release RBP.
23. POOH w/RBP.
24. PU Retrieving head for 5 ½" 15.5# RBP, RIH to **5500'**, wash down to RBP @ ~**5600'** latch and release RBP.
25. POOH w/RBP.
26. PU/RIH w/ 4 ¾" MT Bit on Production Tubing to determine amount of fill.

- If fill is tagged above **6,287'** clean out may be needed! Contact WOE. Continue to step 27
- If fill is tagged above **6,287'** clean out will not be needed! Continue to step 18. **(Contact Sonic Hammer Rep for delivery of tool.)**

27. POOH scanning 2-7/8" production tubing, Keep Yellow only (25% wall loss or less), lay down production BHA.

    Strap production pipe out of hole to verify depths and note them in WellView. Send Tubing scan report to KJCY@chevron.com.

28. MIUL 2 7/8" L-80 Workstring, Strap workstring.

29. PU and RIH with following BHA:

Component	Amount
4 3/4" Mill Tooth Bit	1
Bit Sub w/Float	1
3 1/2" Drill Collars	4
2 7/8" L-80 WS	~ 5500'
Inline Tubing Check- Float	1
2 7/8" L-80 WS	~700'

30. MIRU Foam/ Air Unit, Flowback Manifold, and Blowdown Tank w/ Gas Buster.

31. Clean out fill to **PBTD @ 6,326'. (See Supplemental SOG for Foam Air operations)**

32. POOH w/ 2 7/8" WS Laying down, LD BHA.

Prep for Acid Job

33. POOH scanning 2-7/8" production tubing, Keep Yellow only (25% wall loss or less), lay down production BHA.

    Strap production pipe out of hole to verify depths and note them in WellView. Send Tubing scan report to KJCY@chevron.com.

34. MIRU Hydrotesters. **(Contact Petroplex to schedule pump time.)**

    Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.

35. PU RIH Hydrotesting to **5000 psi** in hole with Sonic Hammer tool, seat nipple and 2 7/8" production tubing to **6,326'** or enough tubing to cover bottom perforations with whole stand.

36. RDMO Hydrotesters.

37. POOH standing back tubing to ensure tool is above top perf @ **5,645'**

Inspect Kelly hose and swivel packing is good prior to picking up swivel!!!

38. Install stripper head and stand pipe with sufficient treating line to move tools vertically ~**65'**, Ensure pressure gauges are installed to monitor casing and tubing pressures throughout job.

39. MIRU Petroplex Acidizing. Pressure test surface lines to **5000 psi** and set mechanical pop offs to **5000 psi.** Titrate acid on location to verify concentration (HCl 15% with +/-1.5% allowable fluctuation) Ensure the following additives are installed in acid blend:

Additive	Amount
EP-3 Emulsion Agent	2 gpt
I-3 Acid Corrosion Inhibitor	2 gpt
FENX Iron Control Additive	40 #pt
10% Acetic-G	5 gpt
P-3 Low Surface Wetting Agent	3 gpt

Sonic Hammer Treatment – Circulating Well

Interval #	Depth	Net Interval (ft)	Acid Volume (gal)
1	5,640'-5,660'	20'	400
2	5,880'-5,910'	30'	750
3	5,935'-5,965'	30'	1,100
4	5,980'-6,010'	30'	900
5	6,055'-6,085'	30'	650
6	6,090'-6,120'	30'	800
7	6,150'-6,180'	30'	700

a) Treat interval # 1 (refer to Perforation Interval table) – Fill tubing with 30 bbls of cut brine. Pump down Sonic Hammer tool @ **5 BPM** reciprocating over the perf interval. Do not exceed **5000#** of tubing pressure! Leave casing annulus open to tank.

b) Pick up enough pipe to reach the next interval and repeat step a) until all intervals 2-7 are washed.

c) Treat interval #7 (refer to Perforation Interval table) – Fill tubing with acid and shut in backside. Pump the volume of acid specified @ **5BPM** reciprocating over the perf interval. Repeat for Steps 6-1.

d) Flush tubing with cut brine. **Casing pressure should not exceed 500#. If so bleed off and slow pump rate.**

e) Leave well SI for 1hr to allow acid to spend. Monitor casing to not allow casing pressure to exceed **500** psi. Bleed off excess pressure is necessary.

f) Kill Well & POOH w/ Sonic Hammer and LD assembly.

g) PU RIH w/5 ½" PKR and WS. Set PKR @ +/- **5,600'**

Inspect sandline to be sure it is free of excessive rust, bird nests, frays, kinks, knots, etc.

h) Flowback/Swab back spent treatment fluids to open top tank. Test reactivity of recovered acid load of fluid. If acid is not spent, shut well in 1 additional hour to allow acid to spend. Recover 100% of load if possible or swab until returns indicate formation fluid and not spent acid. ***Record oil cut recovered, fluid volumes, and swabbing depths in WellView.***

i) Pump 40 bbls cut brine mixed with 3 drums of scale inhibitor (165 gal) Baker SCW-358 Scale Inhibitor Chemical down tubing. Pump at a max rate of **5BPM**. Displace Scale Chemical with 110 bbls of cut brine. **Monitor casing throughout scale squeeze. DO NOT ALLOW MORE THAN 500# CASING PRESSURE.** Shut in well overnight.

j) Release PKR, POOH standing back 2 7/8" production string, LD PKR.

Sonic Hammer Treatment – NON-Circulating Well

Interval #	Depth	Net Interval (ft)	Acid Volume (gal)
1	5,640'-5,660'	20'	400
2	5,880'-5,910'	30'	750
3	5,935'-5,965'	30'	1,100
4	5,980'-6,010'	30'	900
5	6,055'-6,085'	30'	650
6	6,090'-6,120'	30'	800
7	6,150'-6,180'	30'	700

k) While reciprocating over each perf interval, pump 30 bbls of cut brine, followed by 15% HCl and then flush tubing with cut brine pumping at **5 BPM**. Repeat with all intervals listed in the above Perforation Interval table, using the acid volumes listed for each interval.

l) RDMO Petroplex Acid Crew.

m) Leave well SI for 2hr to allow acid to spend.

n) Kill Well & POOH w/ Sonic Hammer and LD assembly.

o) PU RIH w/5 ½" PKR and WS. Set PKR @ +/- **5,600'**

Inspect sandline to be sure it is free of excessive rust, bird nests, frays, kinks, knots, etc.

p) Flowback/Swab back spent treatment fluids to open top tank. Test reactivity of recovered acid load of fluid. If acid is not spent, shut well in 1 additional hour to allow acid to spend. Recover 100% of load if possible or swab until returns indicate formation fluid and not spent acid. ***Record oil cut recovered, fluid volumes, and swabbing depths in WellView.***

q) Pump 40 bbls cut brine mixed with 3 drums of scale inhibitor (165 gal) Baker SCW-358 Scale Inhibitor Chemical down tubing. Pump at a max rate of **5BPM**. Displace Scale Chemical with 110 bbls of cut brine. **Monitor casing throughout scale squeeze. DO NOT ALLOW MORE THAN 500# CASING PRESSURE.** Shut in well overnight.

r) Release PKR, POOH standing back 2 7/8" production string, LD PKR.

40. PU Production BHA and RIH, hydrotesting production tubing to **5000 psi.** ***(Space out per ALCR Recommendations)***

41. NDBOPE, NUWH.

42. RIH w/Pump and Rods ***(Per ALCR Rod design)***

    Contact appropriate Field Specialist to remove locks (contact information on first page).

43. Check pump action with pumping unit.

44. Clean location. RDMO. Notify ALCR and production. Complete Wellwork Ownership Transfer form, Turn well back to production (contacts on first page). ***Send Wellwork Ownership Transfer Form to KJCY@Chevon.com***

STANDARD GUIDELINES

Maximum Anticipated H2S Exposures (RRC H9 / NM Rule 36)

All personnel on location must be made aware of each of the following values (values vary by field):

Maximum anticipated amount of H2S that an individual could be exposed to is 0 ppm
at the maximum anticipated escape volume (of wellbore gas) of 60 MCF/D
100 ppm Radius of Exposure is 0 feet.
500 ppm Radius of Exposure is 0 feet.

Elevators

At every tubing size change, the elevators must be calipered and all lifting equipment must be visually inspected for the correct sizing, and rechecked daily. The elevators must also be checked for proper sizing by placing a pony sub in the elevators. Prior to picking up power swivel, caliper and visually inspect elevators and bail on swivel. Checks are to be documented in the JSA and elevator log.

ND/NU

Prior to N/D, N/U operations, if only one mechanical barrier to flow will be in place, visual monitoring of well condition by the WSM is necessary for 30 minutes or more to ensure that the well is static ***before*** removing or replacing well control equipment. For all deviations to 2B policy, check that MOC for exemption from 2B policy is in place and applicable. During ND/NU operations with only one barrier to flow in-place, constant visual monitoring of well condition ***during ND/NU*** by the WSM is necessary.

Installed Equipment

Any and all equipment installed at the surface on the wellbore is to be visually inspected (internally) by the WSM prior to N/U to the wellhead by the service provider to ensure no debris or other potential restrictions are present. During any NU ops over an open wellhead (BOP, EPA, etc.), ensure the hole is covered to avoid dropping anything downhole.

Hazard ID

Identify hazards with the crew as they come up during the job. Stop and review and discuss JSAs.

Scale and Paraffin Samples

When removing rods and/or tubing from a well, collect samples of any paraffin and/or scale.

When drilling, note, report and sample significant returns of scale or paraffin, or anything other significant returns. Assume that samples that come from different areas/environments in the well are different and require a different sample; e.g. top/bottom of well, inside outside of tubing. Always collect enough sets of samples for both Production and D&C Chemical Reps. Send any samples to Chemical Reps., both for

1) Production (many times Baker), as well as for
2) D&C (many times PetroPlex).

Discuss D&C's Chemical Rep's recommendations with Engineering, or simply implement as practical.

Trapped Pressure

Recognize whether the possibility of trapped pressure exists, check for possible obstructions by:

- Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
- Dummy run – make a dummy run through the fish/tubular with sandline, slickline, e-line or rods to verify no obstruction. If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:
- Hot Tap at the connection to check for pressure and bleed off
- Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

Wireline

For all wireline and slickline jobs (except in new, cemented, tested and unperforated casing) install wireline packoff and lubricator. Follow Standard Guideline for installing equipment over wellhead. Test to 250 on the low end, and test on the high end based on SITP or max. anticipated pressure. Establish exclusion zone around wellhead area. Observe and enforce radio silence as needed for explosives. All wireline tools are to be calipered and documented on a diagram prior to PU and RIH. This is critical information in the event of fishing operations.

Foam clean out hazard mitigation

1 Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery.

2 Run dart type float in bit sub bored for a float. Install open top flowback tank downwind from rig.

3 NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). Stripper head to be stump tested to 1,000 psi before use for foam operations.

4 Clear floor of all personnel while breaking circulation and anytime they are not required.

5 Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute

6 Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks.

7 Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.

8 Ensure that high quality, stiff foam is pumped while circulating in lateral. Stiff foam is required to prevent segregation while circulating along lateral. Monitor flow and pressures carefully when cleaning out the lateral as well will begin to unload very rapidly when foam "turns the corner".

9 Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition. Visually inspect and caliper elevators and bail on swivel.

10 POOH LD workstring & bit. Pump kill fluid down tubing to put tubing on vacuum to help eliminate trapped pressure before breaking out string floats. Have foam-air hand on location during this process. He should employ a special tool to check for pressure under floats.

WELL NAME: Lentini 1 Federal #5

API #: 30-015-27565 CHEVNO: OV8021

OPERATOR: Chevron Midcontinent, L.P.

LOCATION: 1,650' FNL & 1,725' FWL Sec.01 TwnShp: 23S Range: 28E

COMPLETION: 11/01/1993

Chevron USA Inc.
Mid-Continent Business Unit

WORKOVER PROCEDURE

Lentini 1 Federal #5 – SONIC HAMMER ACID JOB Procedure

Eddy County, New Mexico

CLASS 3 WELLWORK – Foam Air Cleanout

Title	Name	Signature
Workover Engineer	Kevin Jones	
Lead WSM	Darryl Ruthardt / Gabriel Garcia	
Engineering Team Lead	Kyle Olree	
Drilling Superintendent	Victor Bajomo	
Production Engineer	Tim Wallace	