

Submit a 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

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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.)		WELL API NO.
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator		6. State Oil & Gas Lease No.
3. Address of Operator		7. Lease Name or Unit Agreement Name
4. Well Location Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section _____ Township _____ Range _____ NMPM _____ County _____		8. Well Number
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number
		10. Pool name or Wildcat

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

**Condition of Approval: notify  
OCD Hobbs office 24 hours  
prior of running MIT Test & Chart**

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 alicia fulton TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Type or print name \_\_\_\_\_ E-mail address: \_\_\_\_\_ PHONE: \_\_\_\_\_

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/14/22  
Conditions of Approval: \_\_\_\_\_



**Date:** March 2, 2022  
**From:** Hector E. Cantu  
**Subject:** NMGSAU #1101W HIC Repair

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### Summary

The purpose of this procedure is to POOH w/injection string, isolate and squeeze HIC, and RWTI.

### Procedure

1. Hold JSA and safety meeting. (Every Morning or at change of operations.)
2. RU WSU and pump truck loaded with 10# brine. Pump volume to bottom of open hole. If well is still not dead shut in well and take note of TBG and CSG pressures. Consult with workover engineer.
3. ND WH, NU BOP to pull TBG. Release Packer and circulate 10# brine around.
4. POOH with injection string and LD packer.
5. PU 2-7/8" workstring and RIH with plug and packer. Set RBP no lower than previous packer depth (3,725'). PU one joint and set packer. Pump down TBG and test to 500#. If RBP holds, load and test backside.
  - a. If RBP holds as well as casing above packer, skip to step 16 to run new injection packer.
  - b. If test above packer is not good, work to isolate leak.
6. Once leak is isolated, pump in and try to establish rate. Take note of rate and pressure, call workover engineer to discuss method to squeeze casing.
7. TIH to RBP and dump 20' sand on top of plug and TOOH.
8. If CICR is used; set it 100' above top of leak.
9. Make-up stinger and RIH with workstring. Circulate hole with water to ensure wellbore is full.
10. RU cement and mix cement for squeeze, sting into retainer and pump squeeze. Make sure to not go above 1,500# TBG while pumping. Call workover engineer if pump in pressure is above 1,000#.
  - a. When cement pressure 'locks up' shut in pumps and wait 1-2 minutes.
  - b. Roll pumps until 'lock-up' and repeat step 10a until formation doesn't take anymore cement. (Call engineering if hesitations exceed 2 cycles.)
  - c. Sting out and reverse circulate TBG until returns are clear of cement.
  - d. POOH and let cement sit overnight.
11. Make-up bit and sub BHA and RIH to top of retainer to drill out.
  - a. RU reverse unit and set down 1-2 points over string weight to drill out.
  - b. Monitor returns for plug parts and make drill out adjustments as needed.
    - i. If metal shavings are coming back through returns, pick up, circulate, and call workover engineer for steps forward.
12. Once drilled through retainer and fall through bottom of cement, circulate one bottoms up or until returns are clean.

13. Close BOP pipe rams and test casing to 500#. If good test, resume ops as per procedure.  
If no test, call workover engineer for steps forward
14. TOOH with workstring and break out bit. Make-up RBP retrieving tool and TIH to RBP.
15. Wash sand from top of plug and circulate brine water in the wellbore. Retrieve RBP and TOOH.
16. RU TBG tester and RIH testing to 5000# with new injection packer same injection TBG design. Circulate packer fluid. **Contact NMOCD at least 24 hrs. prior to H-5.**
17. ND BOP, NU WH and turn over to production to RWTI.

Spud: 9/1/1936

**Apache Corporation – NMGSAU #1101W****Wellbore Diagram – Proposed Status**

Date : 3/2/22

API: 30-025-05738

**Surface Location**

M. Monzon



660' FNL & 660' FEL, Unit A  
Sec 29, T19S, R37E, Lea County, NM

**Surface Casing**

13", 40# @ 225' w/ 200 sx

**Intermediate Casing**

9-5/8", 36# @ 1401' w/ 300 sx

9/36: Original completion. No stimulation.

2/37: Acidized w/ 4000 gals.

2/71: Acidized w/ 2000 gals.

1/73: Acidized w/ 2000 gals.

6/76: Frac OH w/ 30,000 gals wtr&amp; 45,000# sand.

6/80: Repair csg leak @ 240-270'. Perf'd @ 2330' &amp; circ cmt to surf. Acidized w/ 3000 gals.

3/82: CO to TD. Acidized OH w/ 13400 gals 15% &amp; 2000# 20/40 sand.

12,000# 100 mesh in 4 stgs.

11/82: CO sand fill fr/ 3967-3970'.

6/93: Replace wellhead, underreamed OH fr/ 3830-3970'. Acidized w/ 4000 gals 15% NEFE &amp; 3000# RS in 4 stgs. CO fill to 3970'.

6/93: Start injection on 6/24/1993.

7/93: Acidized w/ 1500 gals 15% NEA &amp; 3% DP-77 MX.

2/96: Sqz'd csg leaks fr/ 238'-276' &amp; 2295'-2354'. Resumed injection.

4/12: Acidized OH w/ 3000 gals 15% using sonic hammer. Set pkr @ 3725'

PKR @ 3725'

**Production Casing**

7", 24# @ 3809' w/ 300 sxs

OH fr/ 3809-3970'

PBTD = '  
TD =3970'

Hole  
size =  
15-1/2"Hole  
size =  
11"Hole  
size =  
8-1/4"

Spud: 9/1/1936

**Apache Corporation – NMGSAU #1101W****Wellbore Diagram – Current Status**

Date : 11/08/16

**API: 30-025-05738****Surface Location** K. Grisham660' FNL & 660' FEL, Unit A  
Sec 29, T19S, R37E, Lea County, NM**Surface Casing****13", 40# @ 225' w/ 200 sx****Intermediate Casing****9-5/8", 36# @ 1401' w/ 300 sx**

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TD =3970'**Hole  
size =  
15-1/2"Hole  
size =  
11"Hole  
size =  
8-1/4"



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Spud: 9/1/1936

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Date : 11/08/16

**API: 30-025-05738****Surface Location** K. Grisham660' FNL & 660' FEL, Unit A  
Sec 29, T19S, R37E, Lea County, NM**Surface Casing****13", 40# @ 225' w/ 200 sx****Intermediate Casing****9-5/8", 36# @ 1401' w/ 300 sx**

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2/96: Sqz'd csg leaks fr/ 238'-276' &amp; 2295'-2354'. Resumed injection.

4/12: Acidized OH w/ 3000 gals 15% using sonic hammer. Set pkr @ 3725'

**PKR @ 3725'****Production Casing****7", 24# @ 3809' w/ 300 sxs****OH fr/ 3809-3970'****PBTD = '  
TD =3970'**Hole  
size =  
15-1/2"Hole  
size =  
11"Hole  
size =  
8-1/4"



Spud: 9/1/1936

**Apache Corporation – NMGSAU #1101W****Wellbore Diagram – Proposed Status**

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API: 30-025-05738

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**District IV**  
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Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 85760

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 85760
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Run Post Workover MIT test	3/14/2022