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

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

Form C-103
Revised July 18, 2013

	WELL API NO.
	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 ☐ Other	7. Lease Name or Unit Agreement Name 8. Well Number
2. Name of Operator	9. OGRID Number
3. Address of Operator	10. Pool name or Wildcat
4. Well Location Unit Letter_____:_____feet from the _____ line and _____feet from the _____line Section Township Range NMPM County	
	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	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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.

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 3/2/22

Conditions of Approval (if any):

Date: November 8, 2021
From: Wyatt Brennan
Subject: NMGSAU #605W HIC Repair

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 TBG capacity +10% of Brine. 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 pump CSG capacity of 10# brine.
4. POOH with injection string and LD packer.
5. PU 2-3/8" workstring and RIH with plug and packer. Set RBP no lower than previous packer depth. PU one joint and set packer. Pump down TBG and test to 500#. If RBP holds, load and test backside. If no test, 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.
7. TIH to RBP and dump 20' sand on top of plug and TOOH.
8. RU WL and RIH with 7" CICR and set 100' above top of leak. POOH w/WL and RDMO.
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 pressures are 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 9a 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 cement, TIH a couple stands and 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 same TBG design.
17. ND BOP, NU WH and turn over to production to RWTP.

Spud Date:
2/2/1936

Apache Corporation – NMGSAU #605 W

Wellbore Diagram – Current Status

Date : 9/19/2016

API: 30-025-05654

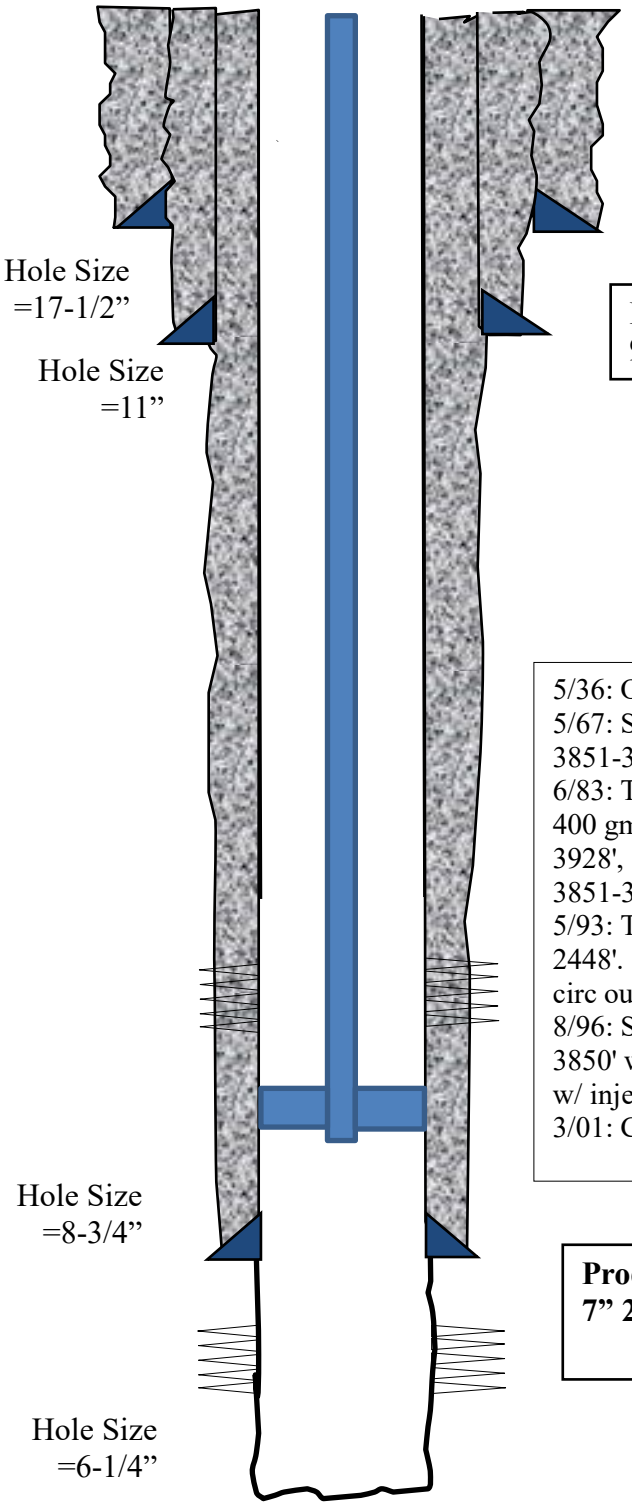
K. Grisham

Surface Location

1980’ FNL & 660’ FWL, Unit E
Sec 20, T19S, R37E, Lea County, NM

Surface Casing
12-1/2” 40# @ 190’ w/ 150 sx to surface

Intermediate Casing
9-5/8” 32# @ 2476’ w/ 500 sx to surface



5/36: Original completion. Acidized w/ 4000 gals acid.
5/67: String shot 300 & 500 grains/ ft over OH fr/ 3853-3988'. Acidized OH fr/ 3851-3996' w/ 1000 gals 15% NE acid.
6/83: Tagged fill @ 3971'. CO fr/ 3971-3996'. String shot OH fr/ 3870-3983' w/ 400 gm/ ft. Perf OH w/ 80 gm @ 3870', 3872', 3874', 3890', 3892', .914', 3916', 3928', 3938', 3940', 3952', 3954', 3960', 3970', 3975' & 3821. Acidized OH fr/ 3851-3996' w/ 2500 gals 15% NEFE.
5/93: Tagged fill @ 3965' (31' of fill). CO well. Located leak between surf - 2448'. 7" csg 100% free to 2550'. Shoot holes @ 2487', cmt sqz csg w/ 450 sxs, circ out 9-5/8" csg. Tag fill @ 3964', CO to TD 3996'.
8/96: String shot OH w/ 400 grain/ft fr/ 3854-3988'. CO to TD. Perf fr/ 3796-3850' w/ 2 jspf (109 holes). Acidize perfs & OH w/ 5000 gals 15% NEFE. RIH w/ injection equipment. Well converted to injection.
3/01: CO fill fr/ 3984' to TD @ 3996'.

Production Casing
7” 24# @ 3851’ w/ 100 sxs

TD =3996'

Spud Date:
2/2/1936

Apache Corporation – NMGSAU #605 W

Wellbore Diagram – Current Status

Date : 9/19/2016

API: 30-025-05654

K. Grisham

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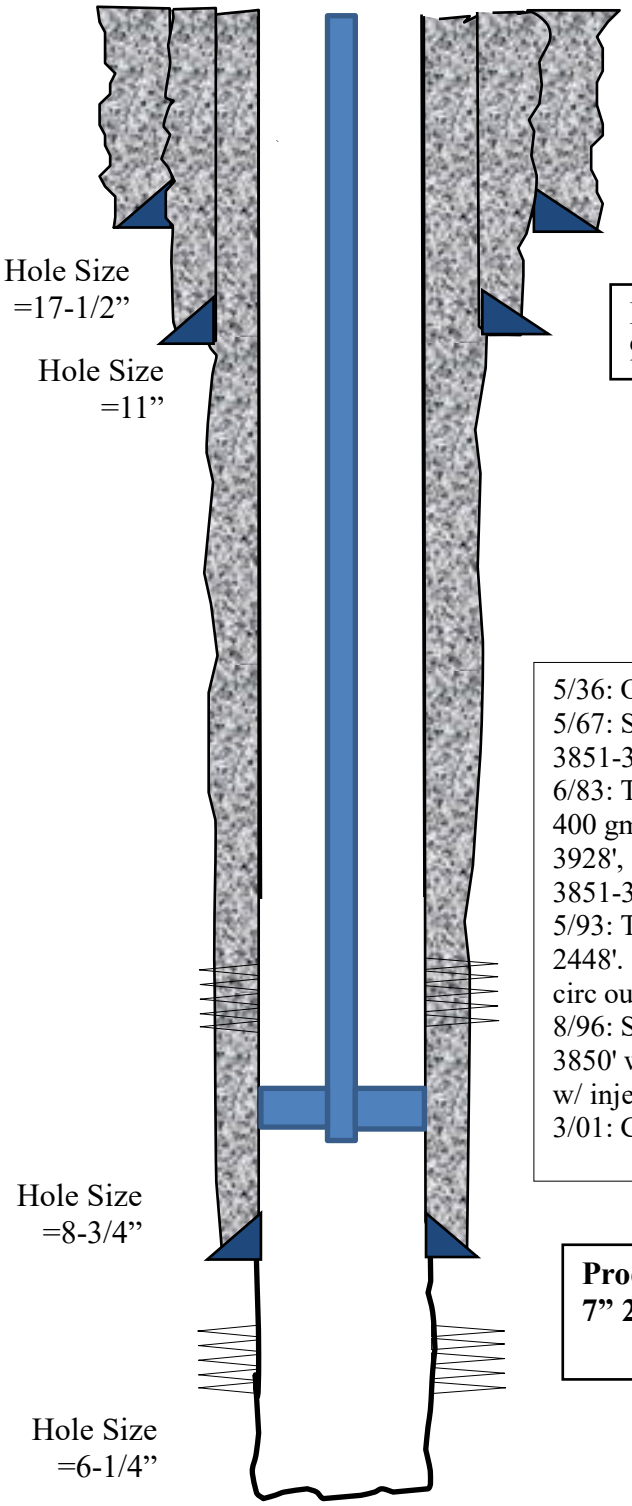

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Production Casing
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TD =3996'

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17. ND BOP, NU WH and turn over to production to RWTP.

Spud Date:
2/2/1936

Apache Corporation – NMGSAU #605 W

Wellbore Diagram – Current Status

Date : 9/19/2016

API: 30-025-05654

K. Grisham

Surface Location

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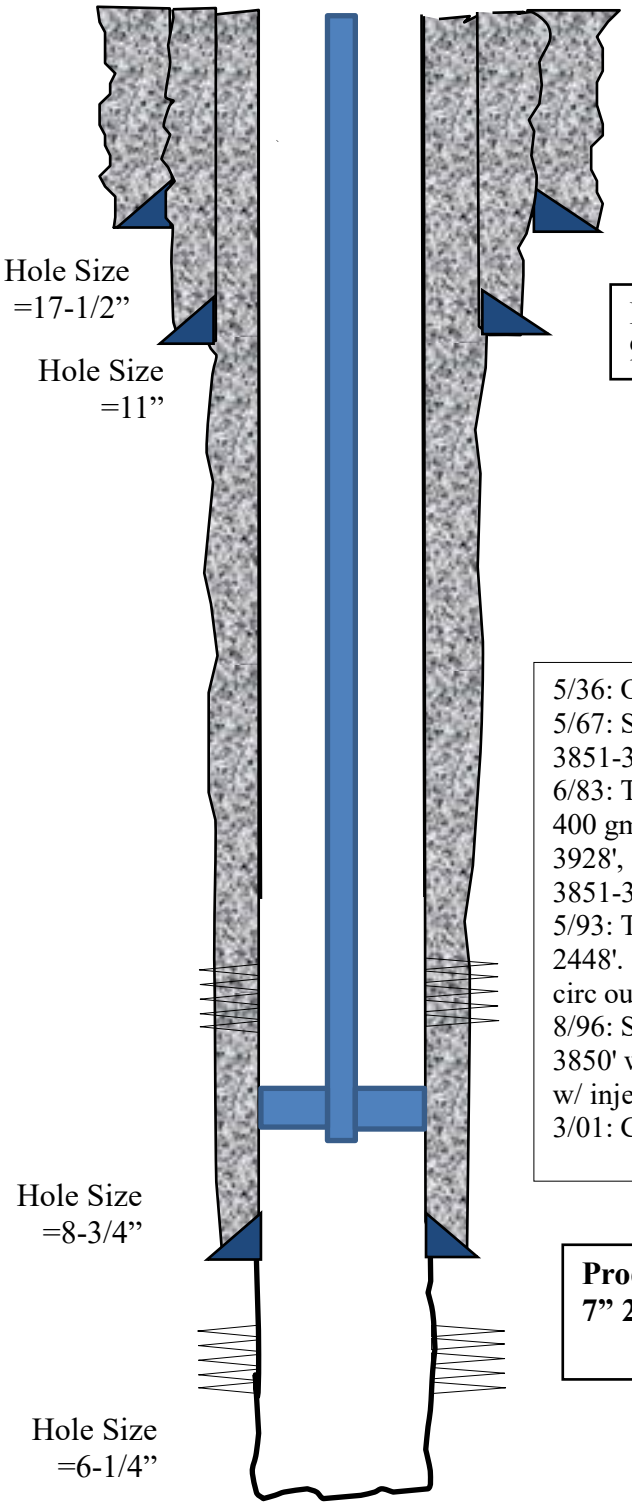

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3/01: CO fill fr/ 3984' to TD @ 3996'.

Production Casing
7” 24# @ 3851’ w/ 100 sxs

TD =3996'

Spud Date:
2/2/1936

Apache Corporation – NMGSAU #605 W

Wellbore Diagram – Current Status

Date : 9/19/2016

API: 30-025-05654

K. Grisham

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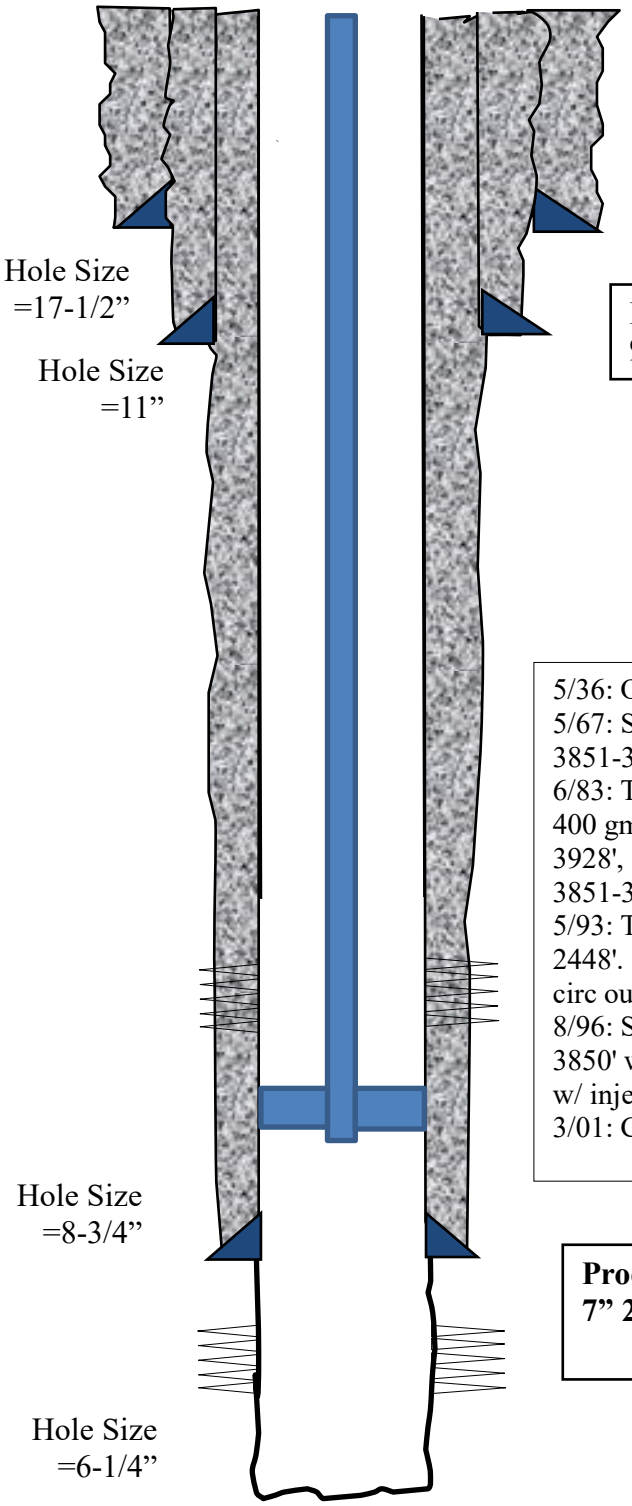

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 80418

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 80418
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Run Post Workover MIT test	3/2/2022