

September 20th, 2019

NMGSAU #006

API # 30-025-04141

Lea County, NM

Production Casing: 6-5/8" 20#

Intermediate Casing: 8-5/8" 29#

Surface Casing: 12-1/2" 40#

Objective: Drill out CIBPs and cement, perf Grayburg, Acidize, RTP

Procedure:

1. MIRU WO Unit
2. RIH and DO cement and CIBPs
3. Complete cleanout run to TOC @ ~3,790'
4. POOH
5. RU WL and perf the following intervals @ 2 SPF with 3 1/8" TAG w/ SDP Charges
 - a. 3643-46', 3652-56', 3662-71', 3681-97'; 3705-15', 3725-31', 3738-54', 3757-64', 3773-85'
1. RD WL, RIH and set packer at ~3,600'
2. Acidize Grayburg with 5,000 gals 15% HCL and 150 ball sealers
3. Release packer, POOH, LD workstring
4. RIH with tubing, RIH with rods and pump, RD WO Unit
5. Set pumping unit, POP

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Wellbore Diagram – Current Status

Date : 1/14/14

GL=3570'
KB=3581'
Spud: 5/25/36

API: 30-025-04141

Surface Location

R. Taylor



1980' FNL & 1980' FWL,
Sec 1, T20S, R36E, Lea County, NM

Surface Casing

12-1/2" 40# @ 229' w/ 150 sxs to surface

8/54: HIC. Casing pulled and replaced from 1776-surface.

Intermediate Casing

8-5/8" 29# @ 2390' w/ 800 sxs

11/53: Perf Seven-rivers Queen @ 3070-3200, 3215-25; 3355-3415. Acidized w/ 1500 gal 15% J acid. Dual completion
7/57: SQZ'd w/ 300 sxs cmt.

3/15: Set CIBP @ 3375' w/ 35' cmt. Circ w/ 135 bbls pkr fluid. Well TA'd.

1/75: Perf @ 3460-66; 3470-78; 3492-95; 3507-40; 3552-57; 3580-90; 3600-15 w/ 2 jspf. Acidized w/ 1000 gal 15% acid.

1/75: CIBP @ 3670 w/ 5 sxs. ETC @ 3635'

6/61: Perf 3704-14 (20 holes). Frac'd w/ 5k gal oil & 5k# snd

3/61: Perf @ 3685-95 w/ 2 jspf. SQZ'd w/ 50 sxs cmt. Re-perf 3685-95 w/ 2 jspf. Acidized w/ 250 gal 15%. Frac'd w/ 5k gal oil & 5k# 20/40 snd.
6/61: SQZ'd w/ 75 sxs latex cmt.

10/58: Perf @ 3726-56 (120 holes).
3/61: SQZ'd w/ 50 sxs

11/53: Perf 3776-90. Acidized w/ 500 gal acid.
7/57: SQZ'd w/ 75 sxs diesel-oil cmt. Acidized w/ 250 gal 15%
10/58: SQZ'd w/ 100 sxs latex cmt.

Production Casing

6-5/8" 20# @ 3,790' w/ 170 sxs

7/36: OH from 3790-3910 natural completion
11/53: PB to 3790 to shut-off water

Hole Size
=17-1/2"

Hole Size
=11"

TA'd in 72'
RA in 75'

Hole Size
=7-7/8"

Hole Size
=5-5/8"

PBTD = 3,670'
TD = 3,910'

GL=3570'
 KB=3581'
 Spud: 5/25/36

Apache Corporation – NMGSAU #006

Wellbore Diagram – Proposed Status

Date : 9/20/19

API: 30-025-04141

Surface Location S. Moody



1980' FNL & 1980' FWL,
 Sec 1, T20S, R36E, Lea County, NM

Surface Casing
 12-1/2" 40# @ 229' w/ 150 sxs to surface

8/54: HIC. Casing pulled and replaced from 1776-surface.

Intermediate Casing
 8-5/8" 29# @ 2390' w/ 800 sxs

TAC @ TBD'
 SN @ TBD'

11/53: Perf Seven-rivers Queen @ 3070-3200, 3215-25; 3355-3415. Acidized w/ 1500 gal 15% J acid. Dual completion
 7/57: SQZ'd w/ 300 sxs cmt.

1/75: Perf @ 3460-66; 3470-78; 3492-95; 3507-40; 3552-57; 3580-90; 3600-15 w/ 2 jspf. Acidized w/ 1000 gal 15% acid.

TBD: Perf @ 3643-46; 3652-56; 3662-71; 3681-97; 3705-15; 3725-31; 3738-54; 3757-64; 3773-85 w/ 2 jspf (166 holes). Acidize w/ 5000 gal 15% NEFE w/ sonic hammer.

6/61: Perf 3704-14 (20 holes). Frac'd w/ 5k gal oil & 5k# snd

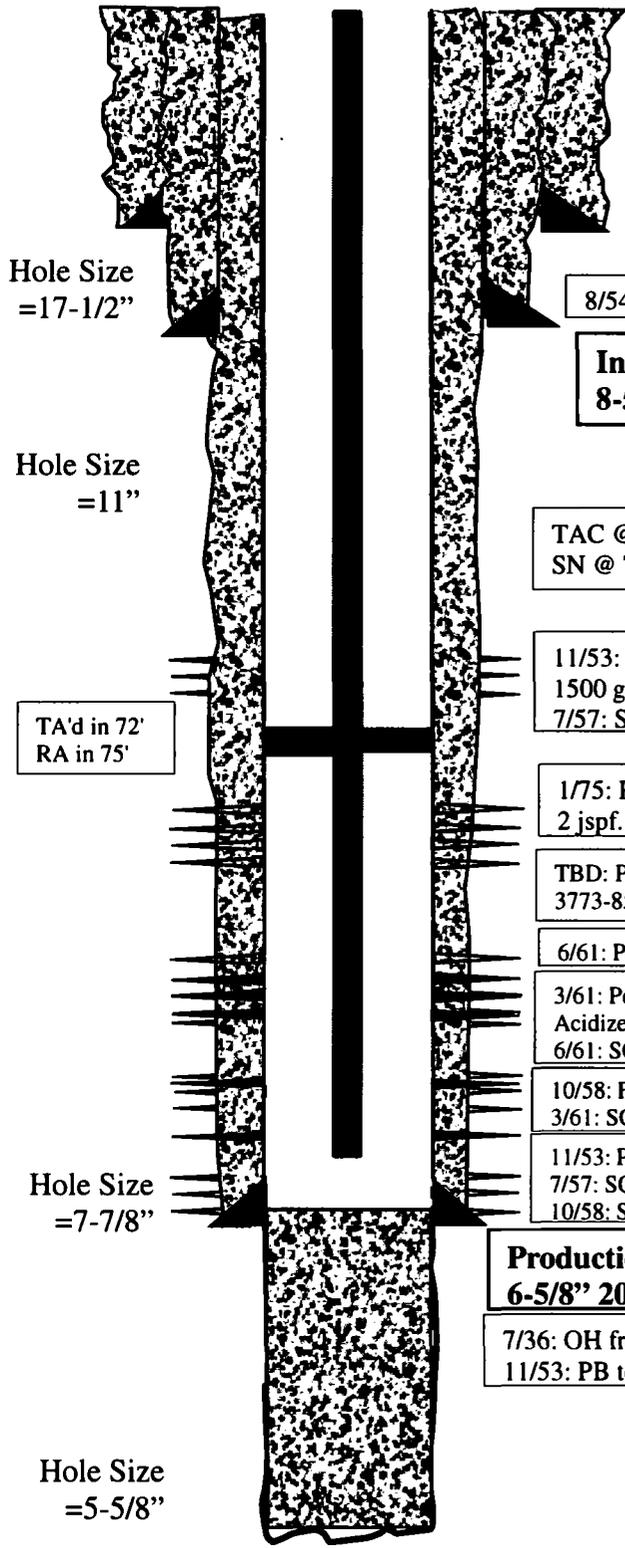
3/61: Perf @ 3685-95 w/ 2 jspf. SQZ'd w/ 50 sxs cmt. Re-perf 3685-95 w/ 2 jspf. Acidized w/ 250 gal 15%. Frac'd w/ 5k gal oil & 5k# 20/40 snd.
 6/61: SQZ'd w/ 75 sxs latex cmt.

10/58: Perf @ 3726-56 (120 holes).
 3/61: SQZ'd w/ 50 sxs

11/53: Perf 3776-90. Acidized w/ 500 gal acid.
 7/57: SQZ'd w/ 75 sxs diesel-oil cmt. Acidized w/ 250 gal 15%
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Production Casing
 6-5/8" 20# @ 3,790' w/ 170 sxs

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Hole Size =17-1/2"

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PBTD = 3,670'
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