

Kaiser-Francis Oil Company

Fort 7 Com #1

Location: Section 7-24S-29E
Field: Malaga
County: Eddy
State: New Mexico
Elevation: KB - 2972' GL - 2949'

API: 30-015-25658
Spud Date: 10/22/86
Completed: 11/86
Diagram Updated: 6/10/14

Work History:

11/86- Drilled by HNG oil company to TD of 12,311'. Mild deviation.
11/86- RIH w/ workstring. Tagged TOC at 10,065'. Drilled stringers to 10,140'. Solid cement from there to liner top. C/O to 12,225. Tested liner to top to 2000#. Dressed off PBR.
11/86- Perf'd Atoka 12,125-139' (15 holes) through tubing. BD perfs w/ trt'd water at 5700# & 3.5 BPM.
11/86- Az Atoka 12,125-139' w/ 2500 gal 7.5% HCl + add @ 2.5 bpm & 6600#. ISIP-6400. 15-6000. Well IP'd 1100 mcf/d @ 550# FTP.
9/01- Located EOT @ 10,350'. Swabbed.
11/01- RIH w/ CT to 12,225'. Cleaned out some scale bridges. Acidized well w/ 500 gal 15% NeFe. Flush w/ 3 bbls 2% jetted w/ N2.
8/04- Swabbed. Lost tools in hole (see detail below)
10/04- Swabbed. Rec 1 1/4 bbl. **6/06-** Swabbed. Rec 8 BW
2/07- Swabbed. Rec 9 BW. **5/07-** Swabbed. Rec 10 black, nasty water
10/07- Ran 1 1/4" CT string in well. Jetted well in. Well would not make enough gas to keep compressor running.
1/08- tie onto CT-TAG TD @ 12,175'. Jet w/ N2 and recovered 15 BW.
3/08- POOH w/ CT. **4/08-** Flushed w/ 2%. Swabbed back.
5/08- Swabbed. Rec 5 BW. **7/08-** Swabbed. Rec 3 BW.
9/08- PU on tbg-couldn't get seal assembly out of PBR. Cut tubing at 10,304'. RIH and jarred free-LD seal assembly. Ran 3 7/8" bit and scraper to 12,122'. Re-perfed 12,129-134 (10 holes). Set pkr at 12,020'. Az Atoka w/ 3000 gal foamed 15% HCl + 750 gal MetOH. AIP-3876#. Flowed back for 2 hrs and died. Swabbed back load-very little gas production post job.
11/08- Swabbed. Line parted. POOH w/ tbg and pkr. Retrieved tools and re-ran tubing open-ended to 12,020'.
5/09- Swabbed. Rec 30 BW. Last three runs 80% Oil. Opened both sides to sales.
5/14- Scan tbg out of hole: 329 yellow, 54 blue, 14 green, 3 red. Set CIBP @ 12,080'. Test to 2000#. Dump-bail 35' cmt on plug. Ran CBL on 7" csg f/ 10,350' to 6000'. Good bond throughout. TIH to 10,749'. Spot 80 sx Class H cmt plug. P/U and reverse clean. Tagged top of cement plug at 10,063'
5/14- Perforate 2nd Bone Springs Sand: 8868-72, 8886-92, 8912-14, 8924-36 (52 holes) w/ 4" csg gun (0.41" X 43.5") 120 degrees phasing. Ran 3 1/2", 10.2# CS frac string w/ 10K PLT packer testing string to 10,000#. Landed string w/ 28K and tested backside to 1500#. BD Bone Springs perfs 8868-8936' OA w/ 12 bbls 2% KCl. Formation broke @ 3725#. Pumping in @ 3.5 bpm and 2562#. ISIP-2290#. 15-2130#.

Tubing Detail (string landed w/ 28K comp)

280 jts 3 1/2" 10.3# P-110 CS
 On/Off tool w/ X-profile @ 8737'
 3 1/2" X 7" 10K PLT pkr @ 8745'
 3 joints 3 1/2" 9.3# P-110 8RD
 3 1/2" XN Nipple
 EOT @ 8840'

2nd Bone Springs: 8868-8936 OA

TOC @ 10,063'

TOL 10,335'

7" 23# GR-95 and S-95 csg @ 10,700'. Cmt'd w/ 1200 sx

CIBP @ 12,080' w/ 35' cmt on top

Atoka perfs 12,125-139

fish*

4-1/2" 13.5# N-80 LT&C @ 10,335'-12,311'. Cmt'd w/ 300 sx Class H + add.

TD - 12,311'

revised for record
 NMOC 7/20/14

*fish consists of swab mandrel w/ 2 cups. 1 1/4" X 4' jars, 1 1/4" X 25' weight bar, 1 1/4" OD swivel (half) 7/8" pin looking up. TOF 12,150'

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