

ARCO 34.1407-10

DATE 2/13/86
AUTH NO.

Well Name and No. EMPIRE Abo Unit "L" #9 (OW) Location 660' FSL AND
660' FWL, Sec 3, T-18-S, R-27-E, Eddy Co., NM Drilled 1959
 Type of Job REPAIR CASING Field EMPIRE (Abo)
 TD 6431' PBD 6386' DATUM 15' RKB Elevation KB 3558' By: T. Day

Wellhead Information

Casing Information:	Size	Weight	Grade	Set @	Sx Cmt	Top
Surface	<u>8 5/8"</u>	<u>24#</u>	<u>J-55</u>	<u>999'</u>	<u>700</u>	<u>Circ</u>
Intermediate						
Producing	<u>5 1/2"</u>	<u>14# 15.5#</u>	<u>J-55</u>	<u>6431'</u>	<u>320</u>	<u>4450' (Calc)</u>
Liner						

Present Perfs: From 5655' To 5666' Holes 22 Stimulation Acid
 From 5669' To 5673' Holes 10 Stimulation Acid

Present Open Hole: Size _____ From _____ To _____ Stimulation _____

Tubing Data: Size 2 3/8" Wt. 4.7# Grade J-55 Thd EUE BRD Btmd @ 5621'
 Jts. 180 Misc 2 3/8" SN @ 5612'

Packer Guib "KVL-30" Depth 5621' Tension _____ Comp 14,000#
 Tbg Anchor _____

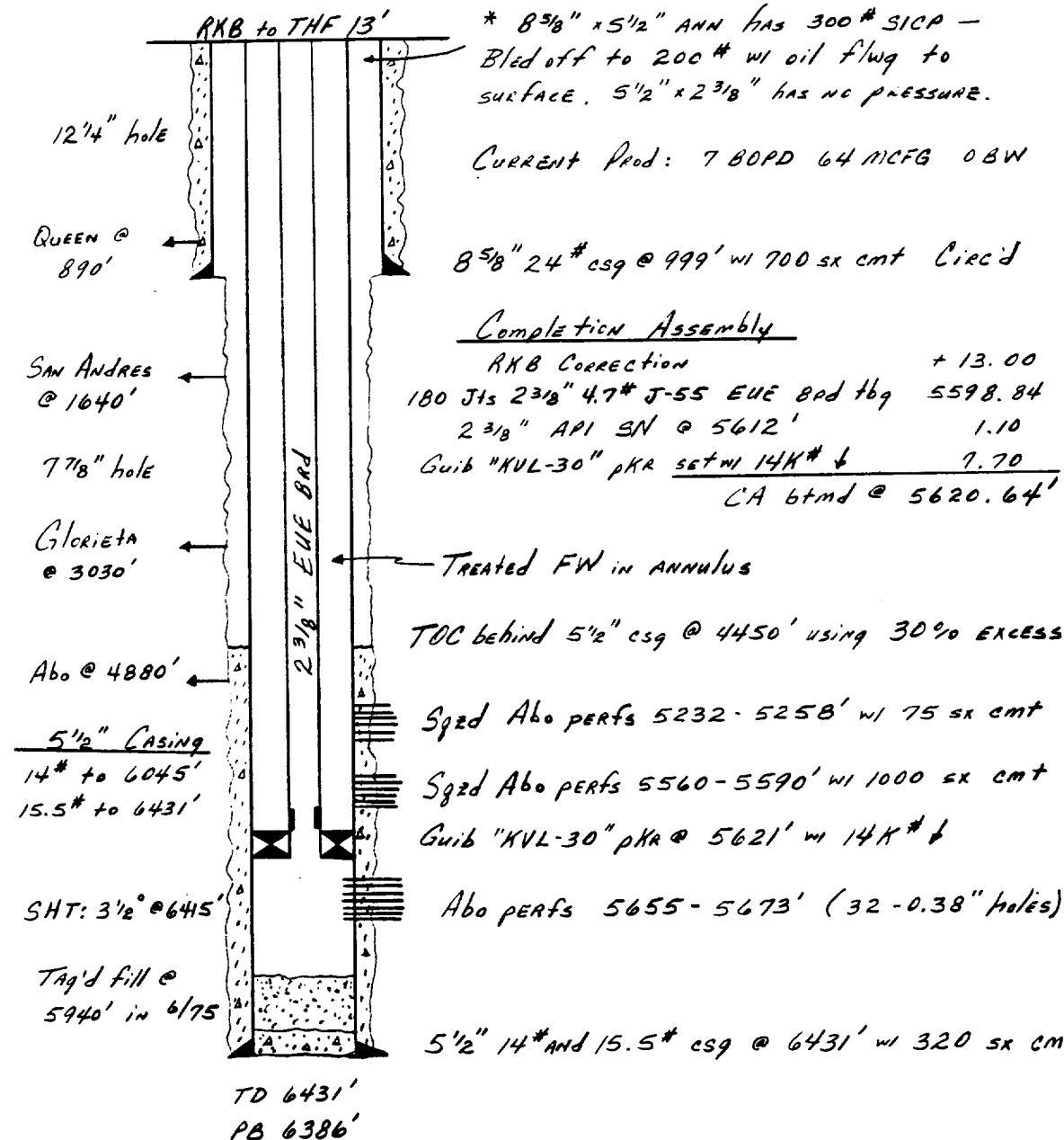
Miscellaneous: Abo perfs 5232-5258' AND 5560-5590' WERE SQD W/ CMT,
DD AND tstd to 1000 psi. * 8 5/8" x 5 1/2" ANN built up 300 psi pressure @
SURFACE. Bled off to 200 psi & fluid free oil @ SURFACE in 30 mins. 5 1/2" x
2 3/8" SICP 0 psi.

PROCEDURE

General Purpose Worksheet

Subject	EMPIRE Abo Unit "L" #9 (OW)	Page No.	1	Of	1
File	REPAIR CASING	By	T. DAY	Date	2/13/86

PRESENT STATUS



* Check w/ Production and hot oil/water if needed.

1. MIKU PU. Load 2 3/8" prod tbg w/ 2 % KCl water. NU BOP. Test 5 1/2" x 2 3/8" ann to 500 psi.
2. Raise 2 3/8" prod tbg to open bypass on Guib "KVL-30" pkr and equalize pressures.
3. Rlse Guib "KVL-30" pkr @ 5621' (Auto btm). Circ hole w/ 2 % KCl water.
4. POH w/ 2 3/8" CA.
5. RIH w/ RBP on 2 7/8" WS. Set RBP @ 5200'. Test RBP to 500 psi. Dump 3 sx sd on top of RBP. POH. (If 5 1/2" csg leaks f/ step # 1, isolate holes w/ straddle tools and est PIR and pressure. Repair csg as needed. If cmt circ's to surface, omit steps 6 - 9.)
6. Run Free Pipe log f/ 5000' to surface to determine TOC.
7. Perf 5 1/2" csg w/ 4 shots off Free Pipe log to est circ to surf.
8. RIH w/ FBRC pkr on 2 7/8" WS. Set pkr above sqz holes. PA to 500 psi. Attempt to est circ to surface via 8 5/8" x 5 1/2" ann w/ MXP 3000 psi. Circ annulus fluids to TT as free oil was noted at the surface when the 8 5/8" x 5 1/2" ann was bled off. POH w/ pkr.
9. RIH w/ CR on WS. Set CR above sqz holes. PA to 500 psi. Cement the 8 5/8" x 5 1/2" ann to surface as needed w/ MXP 3000 psi. POH w/ stinger.
10. RIH w/ 4 3/4 bit, 3 1/2" DC's on WS. DO cmt inside 5 1/2" csg and test to 500 psi. Re-sqz if needed.
11. Wash sd off RBP. POH w/ bit.
12. RIH w/ rtvg hd on WS. Rlse RBP. POH LD 2 7/8" WS & RBP.
13. RIH w/ 2 3/8" prod tbg and Guib "KVL-30" pkr as before. Circ hole w/ TFW. Set pkr @ 5621' w/ 14,000 lb Compr. Test ann to 500 psi.
14. ND BOP. NU Tree. Test ann to 500 psi.
15. Swab well to kick off flwg and clean up.
16. TOTPS.

DRD
----- D. R. Dees

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M. Man
8-4-86