

ARCO 34.1407 %DATE 2/12/86
AUTH NO. _____Well Name and No. EMPIRE Abo Unit "L" #12 (OW) Location 660' FSL AND
660' FEL, SEC 3, T-18-S, R-27-E, Eddy Co., NM ^{FEDERAL} Drilled 1958Type of Job REPAIR CASING Field EMPIRE (Abo)
TD 6108' PBD 6070' DATUM 15' AKB Elevation KB 3507' By: T. DAY
GL 3492'

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>993'</u>	<u>600</u>	<u>Circ</u>
Intermediate	<u>5 1/2"</u>	<u>14 #</u>	<u>J-55</u>	<u>6108'</u>	<u>225</u>	<u>4780' (TS)</u>
Producing						
Liner						

Present Perfs:	From	To	Holes	Stimulation
	<u>5330'</u>	<u>5370'</u>	<u>160</u>	<u>Acidz (Blanked Off)</u>
	<u>5950'</u>	<u>5980'</u>	<u>60</u>	<u>Acidz</u>

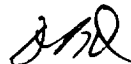
Present Open Hole: Size _____ From _____ To _____ Stimulation _____

Tubing Data: Size 2 3/8" Wt. 4.7 # Grade J-55 Thd EUE 8rd Btmd @ 5908'
Jts. 198 Misc _____Packer Guib. "KVL-30" Depth 5183' Tension _____ Comp 12 H #
BAKER "D" Tbg Anchor _____Miscellaneous: PSI 1.81" 'R' nipple @ 5907'; Loc. SEAL Assy in Model "D" PKR @
5901'; PSI 1.81" "L" Sliding Sleeve (closed) @ 5402'; Perfs 5330-5370' ARE
GASSED OUT. * 8 5/8" x 5 1/2" ANN builds up 400 psi pressure @ SURFACE IN
48 hrs - Bleeds to 0 psi w/ slight blow @ SURFACE.
PROCEDURE

Empire Abo Unit "L" #12

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

1. MIRU 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 "L-30" pkr and equalize pressures.
3. Rlse Guib "L-30" pkr @ 5183' (Auto btm) and pull LSA out of Model "D" pkr @ 5901'. Circ hole w/ 2 % KCl water.
4. POH w/ 2 3/8" CA.
5. RIH w/ RBP on 2 7/8" WS. Set RBP @ 5180'. 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. 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" CA as before. Circ hole w/ TFW. Land LSA into "D" pkr w/ 3000 # Compr and set Guib "L-30" pkr w/ 12,000 # 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.

 D. R. Dees

EAUL12.TXT

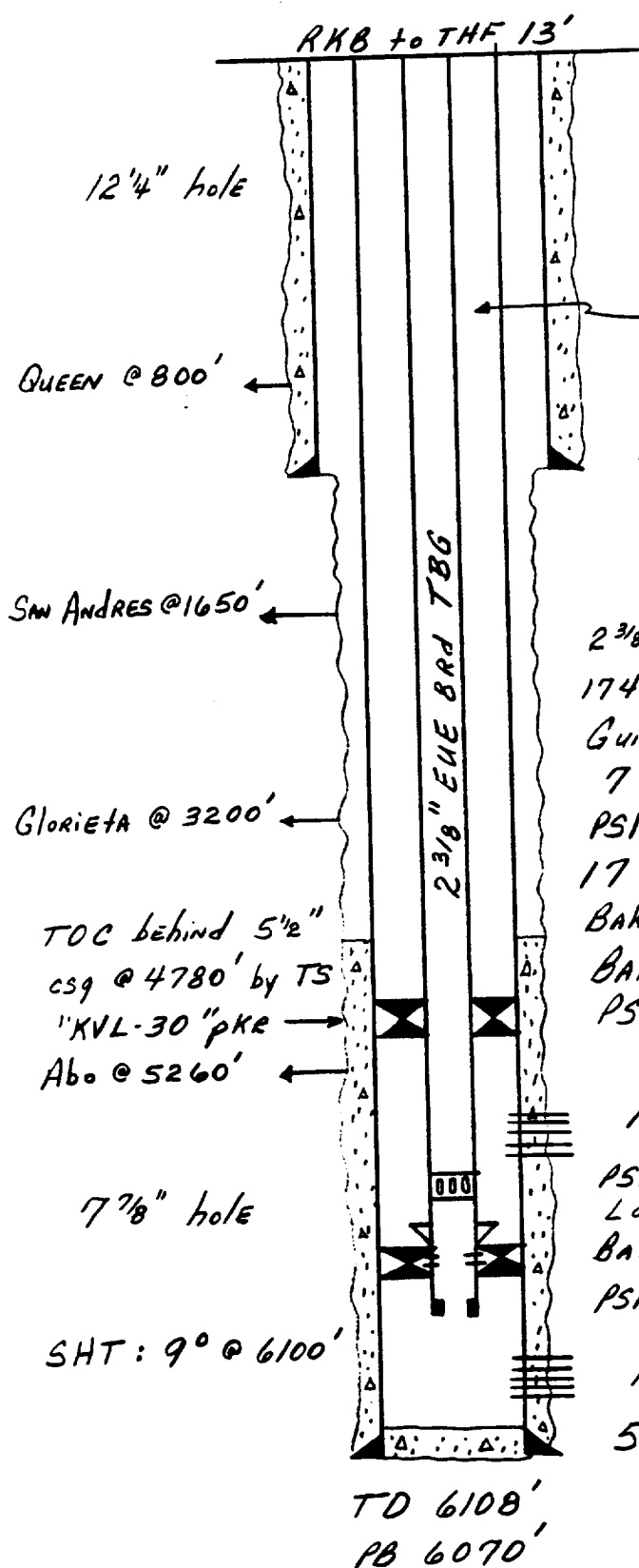

8-4-86

General Purpose Worksheet

Subject *EMPIRE Abo Unit "L" #12*
 File *REPAIR CASING*

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 By *T. DAY* Date *2/12/86*

PRESENT STATUS



CURRENT Prod: 30 BOPD 110 MCFG 0 BW

* 8 5/8" x 5 1/2" ANN builds up 400 psi pressure in 48 hrs - Bleeds to 0 psi w/ slight blow @ surface

TREATED FW IN ANNULUS

8 5/8" 24# csq @ 993' w/ 600 sx cmt Circ'd

Completion Assembly

RKB CORRECTION	+ 13.00'
2 3/8" 4.7# J-55 EUE BRD sub (4'x8'x8')	20.55
174 Jts 2 3/8" (same) EUE BRD tbg	5149.60
Guib "KVL-30" PKR w/ 12K #4 @ 5183'	7.75
7 Jts 2 3/8" (same) EUE BRD tbg	210.85
PSI 1.81" ID "L" Sliding SLEEVE (closed)	2.48
17 Jts 2 3/8" (same) EUE BRD tbg	497.74
BAKER Loc Seal Assy w/ 4 sets seals	5.52
BAKER "D" prod PKR set on WL @ 5901'	—
PSI 1.81" ID "R" profile nipple	0.80
CA btmd @ 5908.29'	

Abo perfs 5330 - 5370' (160 shots)

PSI 1.81" "L" Sliding SLEEVE (closed) @ 5402'
 Locator Seal Assy
 BAKER "D" prod PKR set on WL @ 5901' w/ flapper
 PSI 1.81" "R" profile @ 5907'

Abo perfs 5950 - 5980' (60 shots)

5 1/2" 14# csq @ 6108' w/ 225 sx cmt