7 .	•	Z	ھ. >	ω. •	2.	5 -dr#	<b></b>		PROCE	FORMA WO FLI BOP CI BOP V	OBJEC	BACKG	WELL:	
are discovered, isolate and establish an injection rate and pressure down backside, monitoring pressures on all casing annuli while pumping. Contact Subsurface engineer for repair procedure. POH with packer. Make a round trip with a bit to PBTD @ 5,252'. Clean out if necessary	RIH w/ a 5-1/2" treating packer on 2-3/8" tubing Test backside to 1,000 psi for 15 minutes.	NOTE: Burst rating of 2-3/8"/4.7#/J55 tubing is 7000 psi (S.F.=1.1) with 0 psi on the backside.	Tag PBTD at 5,252' to check for fill, then Visually inspect tubing and replace as needed.	MIRU WSU and after ensuring well inspecting and replacing as needed. company guidelines.	Test rig anchors per Ops Bulletin #52 and send charts in Midland. Replace as necessary.	<u>Note:</u> , this workover will entail an acid job to be applied with Titan's pressure fluctuation tool (PFT). Notify B.J. Titan at leas week before rigging up to insure availability of equipment.	If problem annular pressure is disc for repair procedure and possible AF following workover:	Before MIRU well service unit, check the pressures on the tubing and all casing annuli. Report annular pressures found to the Exxon supervisor and discuss appropriate and safe blow down procedures. Attempt to bleed annulus pressures to zero. For annular pressures that will not bleed to zero, first review with the field superintendent, then inform subsurface engineer. Document all annular pressure activity on morning report.	PROCEDURE:	FORMATION PSI (Padd):       < 400 psi	OBJECTIVE: Test shut-in well for casing le Glorieta, acidize and return we	BACKGROUND: Well has been TA'd since 1986	WELL: Paddock Unit #24	WORKOVER PROCEDURE
go directly to step 7. If any lea an injection rate and pressure do all casing annuli while pumpin r procedure. POH with packer.	-3/8" tubing & set packer @ 5,050' utes.	i tubing is 7000 psi (S.F.=1.1)	POH with tubing and	h rods and p BOP and test	32 and send charts to T. R. Quintero	-+	annular pressure is discovered, contact Subsurface Engineer procedure and possible AFE supplement before proceeding with workover:	the pressures on the tubing and sures found to the Exxon supervi w down procedures. Attempt to bl ilar pressures that will not bleed uperintendent, then inform subsurf sure activity on morning report.		PROD CASING: 5.5"/17# MIN DRIFT ID: 4.767" MIN BURST: 4836 pst(w/1.1 SF) H2S B0P SERVICE: Sour H1-RISK EQUIP?: NO	casing leaks, add pay in Paddock and return well to pump.	<b>6.</b>	DATE: 5/03/90	ROCEDURE
aks own ng.	+ +		BHA.	pump, t per	.ero	B.J. t one	neer vith	all Isor Ieed d to face						

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WUKKUVEK PROCEDURE
Paddock Unit #24 (cont.)

- œ. œ MIRU wireline and class II lubricator and test per company guidelines.
- Run GR/CNL/CCL from TD to 4,900'. Panafax a copy of log to geologist Bob Asreen (Fax ≢ 915-688-6723) for correlation and exact intervals to be
- 10. Perforate 111 shots from approximately 5,135 - 5,245' and 67 shots from approximately 5,025' - 5,091' <u>as instructed by geologist based on new cased-hole GR/CNL log.</u>
- . <del>.</del> . . . . Correlate new GR/CNL/CCL. Use a 4" hollow steel carrier casing gun. Use premium charges. Shoot at 120° phasing (1 spf). Rig down perforators.
- Ξ. Nipple up annular BOP and test per company guidelines.
- 12. Rig up B.J. Titan and RIH with PFT to just above top perf. Note that the top <u>10</u> joints must have turned down collars so they can be stripped through the BOP's. Test tool. B.J. should have a geophone attached to the production casing at the surface to monitor down-hole pressure
- 13. Lower tool through perfs while circulating. Tool must be in circulation mode (annulus valve open). Circulate <u>120</u> bbl of produced water at 1-2 bpm. <u>Circulate only when tool is opposite perfs</u> (from 5,025' to 5,245'). Pressure fluctuations should be from 1500 psi above and 1500 psi below

Note: Do not leave the tool in hole overnight before treating. acoustic filters will lose their nitrogen charge. Its

14. Acidize the perfs as follows:

Acid: 125 bbl 15% HCl with 2 GPT corrosion inhibitor, 2 GPT NEA, and 5 GPT citric acid.

- ۳ With PFT opposite bottom perf (5,245'), spot 5 bb1  $\pm$  acid across the perfs. Allow the acid to soak at least 30 minutes.
- ٣ With PFT in injection mode (annulus valve closed), trip the tool up through the perforated interval. Pump the acid at 1-2 bpm while reciprocating tool in full-stand strokes. The pressure fluctuations should be from 1500 psi above to 1500 psi below hydrostatic.
- c Monitor annulus pressure throughout job for communication. I annulus must remain closed while pumping. Reduce pump rate treating/ annular pressure climbs to above 1,500 psi. 9 The
- ٩ Pump a 5 bbl brine spacer before breaking any connections.
- e After each stand-length of interval has been treated, pull up one stand and repeat steps b) thru d) until entire perforated interval has been treated.
- 3 After acidizing the uppermost perf, pull up 500' to 700', and flush to perfs with approximately 30 bbls clean brine.

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