

Workover Procedure

DATE: 11/5/90

WELL & JOB: Annie L. Christmas # 4 Recomplete

DRILLED: 1973

LAST WORKOVER:

FIELD: Drinkard

COUNTY: Lea/NM

BY: GORE

TD: 6697

PBD: 6672

DATUM: 11' RKB

TUBINGHEAD:

SIZE:

PRESS RATING:

CASING:	SIZE	WEIGHT	GRADE	SET @	SX CMT	TOC
SURFACE:	9-5/8"	32.3	K-55	1148'	460	SURFACE
INTER:	7"	20/23	J/N	5453'		Surf ???
PROD:	4-1/2"	10.5#	K-55	6696-5343		5343' TOL

PERFORATIONS: Drinkard 6370'-6637'

TUBING: 216 jts 2-3/8", 4.7#, J-55, @ 6625'. Last record 1982.

SCOPE OF WORK: Recomplete to Paddock and down hole commingle

PROCEDURE

- MIRU PU. Pull rods and and pump. Kill well. NU BOPE.
 - NOTE: Prior to rigging up have F&P or production determine SIBHP.
- Pull CA. Set a RBP @ 5300'. Load and test casing to 500 psi using 2% KCL water. POOH.
- Perforate Paddock zone as follows:
 - 5086'-5090'; 5097'-5103'; 5107'-5113'; 5133'-5147'; 5155'-5158'; 5164'-5169'; 5174'-5182' (1 JSPF total of 53 holes)
 - Correlate w/ Schlumberger CNL dated 6/10/73.
- TIH w/ packer on a 2-7/8" workstring and spot acid across perforations. Set packer @ 5000'±. Acidize perforations w/ 6000 gallons 15% NEFE @ 3-5 BPM w/ MXP 3000 psi.
 - Acid to contain 1 GPT corrosion inhibitor, FE additive and non-ionic surfactant . Check w/ OA.
- Flow and/or swab test as required.
 - Obtain stabilized flow rate and SBHP. Run a 72 hour build up or as required by OA.
- Frac if required @ 8-10 BPM w/ MXP 3000 psi as follows: *Flow down plug 2 7/8" or 3 1/2"*
 - Pump 3500 gallons 30# XL gelled 2% KCL water
 - Pump 3500 gallons 15% NEFE in a 75 quality N2 foam.

- Drop 20 B_u sealers in the last 2000 gallons foamed acid
 - c. Pump 3500 gallons 30# XL gelled 2% KCL water
 - d. Pump 3500 gallons 15% NEFE in a 75 Quality N2 foam.
 - e. Flush w/ tubing volume + 3000 gallons 2% KCL water
7. Flow test well
 8. Kill well and Run completion assembly as per production supervisor.
 - a. Plan to down hole commingle Paddock and Drinkard zones if pressures are compatible. If so retrieve RBP and run CA. If pressures are not compatible will pump upper zone.

M. W. Gore


Concur: R. D. Reynolds

J. E. Shields

Annie L. Christmas # 4
 Section 17-T22S-R37E
 Lea County, New Mexico
 Proposed Wellbore

