

WORKOVER PROCEDURE

DATE: Aug 9, 1990

WELL & JOB: P&A State Vacuum Unit # 2

DRILLED: 1952

LAST WORKOVER: Stimulate Inj. well 2/15/84

FIELD: Vacuum GSA

COUNTY: Lea Co., NM

BY: T. W. Lewis

TD: 4750'

PBD: 4750'

DATUM:

TUBINGHEAD:

SIZE:

PRESS RATING:

CASING:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SET @</u>	<u>SX CMT</u>	<u>TOC</u>
SURFACE:	8 5/8	28#		1550'	500	Surface
INTER PROD:	5 1/2	17#		4652'	100	3914'

LINER:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TOP</u>	<u>BTM</u>	<u>TOC</u>
	3 1/2	9.2#	J55	3426'	4750'	3426'

PERFORATIONS: <4668 - 4702>

TUBING:	SIZE: 2.0625 & 2.375	WEIGHT:	GRADE:	THREAD: EUE 8 rd
BTM'D @ 4598'		JOINTS: 43 & 106	MISC: IPC Tbg.	

PACKER AND MISC: Baker Model C-1 invertable packer set @ 4598'

HISTORY AND BACKGROUND: The well was drilled in 1952 by Neville Penrose as the Hale State #2. 8 5/8" csg was set @ 1550' w/500 sx. circ. 5 1/2" csg. @ 4652' w/ 100 sx. The open hole section f/4654'-4739 was treated w/7500 gals acid. Sohio became operator 7/62. In 1967 the well was frac'd w/1000 gals acid, 30,000 gals ref. oil, and 13,700# 20/40 sd. 3/77 ARCO drld sidetrack hole to 4750' & set 3 1/2" liner f/3426'-4750'. Perf S.A. & treat w/ 2000 gal acid. Converted to WIW 6/24/77. Converted back to producer at the request of the NMOCD as a result of oil being produced off the Hale State #1. The well is currently shut in.

SCOPE OF WORK: Plug and Abandon

PROCEDURE

Notify NMOCD of intent to P&A.

1. MIRU PU. ND WH. NU BOP. Rlse Baker pkr & POH w/ 2 3/8" & 2 1/16" IPC tbg., & pkr.
2. RU Cmt Equip. GIH w/ tbg OE & circ hole w/10# GBW, 25# gel/bbl, 30 vis.
3. Spot 25 sx Class "C" cmt. @ 4500'
4. PUH. Spot 25 sx Class "C" cmt. across top of liner f/ 3750' to 3300'. POH w/ tbg.
5. RU WL. Run GR-JB to 1800'. Perf 5 1/2" csg @ 1715' w/4 shots.
6. RIH w/ pkr & set @ 1500'. Test ann. to 500#. Establish inj. rate & press. POH
7. GIH w/ CR on tbg & set @ 1500'. Test ann. to 500#
8. Squeeze Perfs @1715' w/300 sx Class "C". Circ. cmt.
9. Pull out of CR. PUH & spot 10 sx Class "c" surf. plug. POH LD tbg.
10. ND BOP. Cut off wellhead. Weld on steel plate w/ valve and Dry Hole marker.