	WELL HISTORY REPORT
OPERATOR:	Ernest A. Hanson
NO. & LEASE:	#5 Max Gutman
LOCATION:	640' FSL & 1650' FWL Sec. 19, T-22-S, R-38-E, N.M.P.M. Lea County, New Mexico
FIELDS:	Drinkard Undesignated Cranite Wash
ELEVATION:	3358' Kelly Bushing (logs measured from KB) 3346' Ground Level
DRILLING CONTRACTOR:	Roy H. Smith Drilling Co. Wichita Falls, Texas
TYPE RIG:	Rotary - National "50"
DRILLING COMMENCED:	March 16, 1968
DRILLING COMPLETED:	April 6, 1968
WELL COMPLETED:	April 23, 1968
CASING PROGRAM:	8-5/8" @ 1180' w/450 sx. reg. cmt. + 2% CaCl (Cmt. circ. to surf.)
	5-1/2" @ 7447' w/425 sx. Incor + 6% NaCl + 5# sand per sx. cmt.
TOTAL DEPTH:	7447' Granite Wash
P.B. TOTAL DEPTH	7419'
TOP OF CEMENT:	(from temperature survey)
DRILL STEM TESTS:	DST #1 @ 7341-7447': op. 1 hr. w/weak blow for 19 min. and quit. Rec. 90' drilling fluid + 112' cutting in D.C.'s. Tool plugged. 1 hr. ISIP 2946#. FP 229-2942#. 2 hr. FSIP 2947#. Unsuccessful test.
CORES :	Core #1 @ 2538-2552': rec. 6' being 2' gray sandy shale + 4' light gray dolomite, NS.
LOGS:	GR-Den-Cal (Welex) GR-N perforating log (Welex) Temperature Survey (West Engineering Co.)
PERFORATIONS:	<u>UPPER DRINKARD Perforations</u> : 1 - 3/8" jet per foot @ 6392', 6398', 6411', 6421', 6433', 6441', 6451', 6460' & 6468'.
	LOWER DRINKARD Perforations: 1 - 3/8" jet per foot @ 6505', 6511', 6523', 6528', 6535', 6543', 6549' & 6558'.
	VIVIAN Perforations: 1 - 3/8" jet per foot @ 6671, 6688', 6697', 6715', 6728', 6741', 6750', 6765', 6781', & 6796'.
	ANDREWS Perforations: 1 - 3/8" jet per foot @ 6855', 6862', 6875', 6885', 6891', 6903', 6917', 6928', 6945', 6953' & 6963'.
	<u>CRANITE WASH Perforations</u> : 1 - 0.50" jet per foot @ 7356', 7366', 7373', 7386' & 7391'.
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Cranite Wash Perforations @ 7356-7391'. Treatment #1: Acidized w/1000 gals. 15% DS-30 acid via 3-1/2" tubing below HOWCO RTTS packer. Formation broke @ 4400 psi. ISDP @ 2800 psi. 10 min. SIP 2400 psi. Swabbed back load and acid and swabbed dry.

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Treatment #2: Acidized w/5000 gals. 15% DS-30 acid via 3-1/2" tubing using ball sealers below a HOWCO RTTS packer. Swabbed back load and approximately 15 bbls. acid water when well commenced to swab 100% oil. After several swab runs and well cleaned up, well swabbed 35 barrels of oil in one hour and could not swab below 4200 feet from surface.

Andrews Perforations @ 6855-6963'. Frac with 2500 gals. 15% DS-30 acid + 20,811 gals. lease oil + 1/2 lbs. sand per gal. via 3-1/2" tubing limited entry between HM straddle packers. Attempted to frac with 3/4 lbs. sand but treatment began screening-out. ISDP @ 3100 psi. Frac rate @ 15.8 BOPM.

Vivian Perforations @ 6671-6796'. Frac with 2500 gals. 15% DS-30 acid + 20,811 gals. lease oil + 1/2 lbs. sand per gal via 3-1/2" tubing limited entry between HM straddle packers. ISDP @ 3000 psi. Frac rate @ 14.0 BOPM.

Lower Drinkard Perforations @ 6505-6558' Frac with 2500 gais 15% DS-30 acid + 20,811 gals. lease oil + 3/4 lbs. sand per gal. via 3-1/2" tubing limited entry between HM straddle packers. ISDP @ 2800 psi. Frac rate @ 16.9 BOPM.

Upper Drinkard Perforations @ 6392-6468'. Frac with 2500 gals. 15% DS-30 acid + 20,811 gals. lease oil + 1 lb. sand per gal. via 3-1/2" tubing limited entry between HM straddle packers. ISDP @ 2400 psi. Frac rate € 20.6 BOPM.

FOTENTIAL:

OIL PURCHASER:

GAS PURCHASER:

Drinkard (6392-6963') IPF 260 BOPD. Granite Wash (7356-7391') IPF 840 BOPD.

Texaco, Inc. Midland, Texas

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Warren Petroleum Corporation Tulsa, Oklahoma

WELL STATUS: GEOLOGICAL FN. TOPS: Producing oil well.

Top of Tubb

Top of Anhydrite	1158 = +2200
Top of Salt	1255 = +2103
Base of Salt	2496 = + 862
Top of Yates	2540 = + 818
Top of Queen	3365 = - 7
Top of Penrose	3517 = -159
Top of Means Sand	3687 - 329
Top of Grayburg	3718 = - 360
Top of Premier Sand	3897 = -539
Top of San Andres	3945 = - 587
Top of McKnight	5087 = -1729
Top of Glorietta	5111 = -1753
Top of Paddock	5138 = -1780
Top of Blinebry	5480 = -2122
Top of Middle Blinebry	5560 = -2202
Top of Lower Blinebry	5847 = -2489

CEOLOGICAL M. TOPS CONT'D.

	6062 = -2704
Top of Drinkard	6270 = -2912
Top of Abo	6568 = -3210
Top of Vivian	6661 = -3303
Top of Andrews	
Top of Granite Wash	6852 = -3494
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ERNEST A. HANSON

Then I like Harry F. Schram Exploration Manager