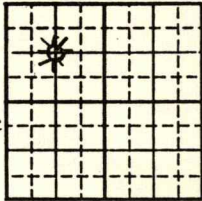


10-210W+
 MAP NO. 82 SEC. 36 TWP. 31S RGE. 41W
 STATE Kans COUNTY Morton App 70' E of LOC. C NW/4
 OPERATOR The Hefner Prod. Co. 1390 FT. FROM W LINE
 WELL NO. 1 FARM NAME Mitchell 1320 FT. FROM N LINE
 I. Kinsler (Extension) ELEV. 3340 GR. 3356 DF. 3359 KB
 FR. 6/15/62 SPUD 6/14/62 COMP. 10/16/62
 CONT. Holm Drlg. Co. /GEOL.



COMPLETION RECORD

NAME	PRODUCING INTERVAL	FROM - TO	PERF. W/MOLES	TREATMENT RECORD
a	<u>Chase</u>	<u>2220-46</u>	<u>44</u>	<u>25,000 A</u>
b	<u>Morrow</u>	<u>5270 & 5283</u>	<u>8 Jet</u>	<u>500 A & Frac</u>
c				
d				

d I. P. OIL/DIST. WTR. GAS M.C.F.P.D. CHK. HRS.
 b Est O.F. (Chase) 2000 Mcfgpd " " " 24
 c 4" Point Cal. O.F. (Morr) 2100 Mcfgpd (SIP 861#) " 24
 d

SIP# _____ FI TP # _____ FI CP# _____ SIBHP _____
 GOR. _____ GR. _____ PBD _____ TD 5637
 CASING - CEMENT RECORD

SIZE	DEPTH	W/SAX.	SIZE	DEPTH	W/SAX.
<u>8 5/8"</u>	<u>@ 1515</u>	<u>Cem.</u>			
<u>5 1/2"</u>	<u>@ 5674</u>	<u>175 sx. w/DV Tool @</u>	<u>3315/200</u>	<u>sx.</u>	

OPERATOR The Hefner Prod. Co. WELL NO. 1 Mitchell ELEV. 3359 KB

SAMPLE TOPS	DEPTH	SUB SEA	ELEC. TOPS	DEPTH	SUB SEA
(5600' Gas Tst)			KB Tops & Datums:		
KB Tops & Datums:			Chase	2174	+1185
			C.G.	2532	+ 827
Kri	2161	+1198	Mo	3665	- 306
Win	2213	+1146	Des Moi	4322	- 963
Waub	2880	+ 479	Morr	4914	-1555
			Chest	5396	-2037
Lans	3700	- 341	Ste Gen	5419	-2060
			St Lou	5552	-2193
RTD (St. Lou)	5637	-2278	LTD	N.A.	

DST #1 (Kh) 2163-95': Op 30", R 1' Mud, IBHP 54#/30#, IFP 43#, FFP 43#, FBHP 152#/30".
 DST #2 (Winf) 2214-60': Op 1 1/4 hrs, GTS/5", Ga 298 Mcfgpd/15", Ga 377 Mcfgpd/20", Ga 421 Mcfgpd/30", Ga 499 Mcfgpd/60", Ga 526 Mcfgpd/1 1/4 hrs, R 90' HGCM, IFP 87#, FFP 109#, FBHP 367#/30".
 DST #3 (Waub) 2886-2940': Op 60", R 70' GCM, IBHP 457#/30", IFP 27#, FFP 54#, FBHP 511#/30".

STATE	Kans	COUNTY	Morton	SEC.	36	TWP.	31S	RGE.	41W
OPERATOR	The Hefner Prod. Co.				LOC.	App 70' E of C NW/4			
WELL NO.	1	FARM NAME	Mitchell		1390' WL,	1320' NL			

- DST #4 (Lans) 3985-4016': Op 30", R 15' Mud, IBHP 130#/30", No FP's, FBHP 21#/30".
- DST #5 (Morr) 5124-64': Op 1 hr, R 20' Mud, IBHP 73#/30", Op 1 hr, R 20' Mud, IBHP 73#/30", No IFP, FFP 27#, FBHP 48#/30".
- DST #6 (Morr) 5276-5311': Op 1 hr, GTS/5", Ga 450 Mcfgpd/5", Ga 2060 Mcfgpd/15", Ga 2300 Mcfgpd/20", Ga 2420 Mcfgpd/30", Ga 2530 Mcfgpd/60", Rec 60 HGCM + 30' Wtr, IBHP 1342#/30", no FP's, FBHP 1320#/30".
- DST #7 (Morr) 5391-5411': Failed.
- DST #8 (Morr) 5393-5411': Failed.
- DST #9 (Miss) 5508-5637': Op 45", R 2' SOCM + 120' Mud, IBHP 1572#/30", IFP 59#, FFP 75#, FBHP ,386#/30#.
- RTD 5637, Log, Ran 5 1/2" @ 5674' w/175 sx & DV Tool @ 3315' w/200 sx. Perf 16/5528-32 (St Lou) Tbg w/Pkr @ 5517, 500 MA, Swb 1d w/SSG/14 hrs, Perf 14/5610-14 (St Lou) Tbg w/Pkr @ 5600, Swb dry, NS, Attempt 500 A, Wouldn't go, Re-Perf

OPERATOR

WELL NO.

14/5610-14 (St. Lou) Swb dn, Pkr @ 5600 Leaking, Pull Pkr Frac (20,000 Gal A x 15,000# sd) in all perfs, Swb 320 B 1d w/NS, short 180 B 1d, PB 5400, 4 @ 5270 (Morr) Tbg w/Pkr @ 5245, 500 A, Ga 1000 Mcfgpd + 2 - 3 B 1d PH/NT, Ga 1540 Mcfgpd + tr Wtr/NT, SIP 1050#/15", 4 Way Jet @ 5283 (Morr) Tbg w/Pkr @ 5278, Chann - Re-run Pkr @ 5242, Ga 750 Mcfgpd + 2 - 3 B 1d WPH, Ga 1250 Mcfgpd/NT, 4 Way Jet @ 5369 (Morr) Tbg w/Pkr @ 5260, 500 MA, Swb dry, NS, PB 5368, Frac (20,000 A (5%) x 15,000# sd) in Perfs 5270 & 5283, Tbg w/Pkr @ 5255, kick off & flo 800 Mcfgpd + 2 B 1d WPH, FTP 60#, Ga 1,200 Mcfgpd, 1/2" Ck, FTP 110#, SIP 470#/60", Ga 800 Mcfgpd, 1/2" Ck, FTP 175#, Cal OF 2400 Mcfgpd, SICP 635#, SITP 625#, from 5270 & 83, Sq 5270 & 5283 w/150 sx. PB 5310, Tbg w/Pkr @ 5224 (Sqz @ 5270 & 83 did not hold) Ga 250 Mcfgpd/3 hrs from 5270 & 83, Ga 750 Mcfgpd thru 1/2" Ck, Ga 890 Mcfgpd + spray AW/4 hrs, Pull Tbg & Pkr, Ran Tbg @ 5288, Swb 1 1/2 BFPH w/Sli SG, Frac (1000 Gal (5% Non-emulsion A x 2500 Jel A (5%) x 1750# sd x 1000 Jell A (5%) x 80 BW), Ga 500 Mcfgpd + load thru 3/4" Ck, FTP 25#, FCP 275#, Flo 700 Mcfgpd = Mist fluid & sand thru 1/2" Ck,

FTP 70#, FCP 275#, (Fluid + PH 5.5, G. 1.07^o, Clor 46,300 ppm), 4 pt Cal OF g 2,100 MCF, FCP 740#, SITP 861#/60: from Morrow 5270-5283. Prod Pkr 5180, Perf 16/2240-46, 16/2231-35, 12/2220-23, (Chase), Tbg 2270, A/500, swb ld w/ sli sho gas, A/10,000 (15%), SIP 290#/5 hrs, A/10,000 jell A (retard), swb part ld, no sho, tbg into pkr @ 5180, 1½" tbg @ 2268, 4 pt Cal OF 2,000 MCF, SIP 861#, Morrow 5270 & 83, Est OF2,000 MCF, Chase 2220-46; 10/9/62.

LIBERAL ELECTRIC LOG TOPS

3359 KB

Winfield 2220 (+1139) g 526 MCF/1¼ hr tst; Ø 2,000 MCF
Council Grove 2476 (+883)
Topeka 3144 (+215)
Heebner 3610 (-251)
Toronto 3626 (-267)
Lansing 3724 (-365) tst Mud/NS
Marmaton 4320 (-961)
Morrow 4926 (-1567)
"S-2" 5108 (-1749) 0/22; tst/NS
"S-3" 5266 (-1907) 20/30; Ø 2,000 MCF
Keys 5364 (-2005) 4/8; NT
Chester 5372 (-2013)
Ste. Gen 5458 (-2099)
St. Louis 5520 (-2161) tstd SOCM
TD 5700