90065 ✓

A-9-166 K-48
MAP NO.

ELEV. 2990 DF

STATE Kansas COUNTY Haskell SEC. 21 Twp 29S Rge 34W

OPERATOR United Producing Co. LOC. C NW NE

WELL NO. 4 * FARM NAME O. V. Ray FT. FROM LINE

POOL Eubank, S. (PD 5600) FT. FROM LINE

FR. 3-29-61 SPUD 3-31-61 COMP. 8-5-61

CONT./GEOL. Helmerich & Payne Tools

COMPLETION RECORD

	NAME PRODUCING INTERVAL	FROM — TO	PERF. W/HOLES	TREATMENT RECORD
a	Lansing	4132-33½	Notch	500 Ac
b	Marmaton	4698-4702	16	500 Ac
c				
d				

	I. P. OIL/DIST.	WTR.	GAS	M.C.F.P.D.	CHK.	HRS.
a		COF	750			
b	"	COF	440	"	"	"
c	"	"	"	"	"	"
d						

D & A ( )

SIP# 912(a):981(b) FI TP # FI CP# SIBHP

GOR. GR. PBTD TD 5500

CASING - CEMENT RECORD

SIZE	DEPTH	W/SAX.	SIZE	DEPTH	W/SAX.
8-5/8"	1820	750			
5-1/2"	5450	625			

OPERATOR United Producing Co. WELL NO. #4 O. V. Ray ELEV. 2990 DF

SAMPLE TOPS	DEPTH	SUB SEA	ELEC. TOPS	DEPTH	SUB SEA
			Lansing	4072	
			Kansas City "A"	4518	
			Marmaton Pay	4700	
			Atoka	4984	
* Correct well # from 3 to 4			Morrow	5174	
			Chester	5350	
			Meramec	5417	
			St Louis Marker	5480	

Spud 3-31-61. 8-5/8" @ 1820 w/750 sx.
DST #1 (Lansing) 4072-4100, op 45 mins, GTS 2 mins, Ga 2534 MCF/45 mins, Rc 35' GCM, ISIP 1097/30 mins, FP 464-485, FSIP 990/30 mins.
DST #2 (Marm) 4697-4727, op 1 hr, GTS 2 mins, Ga 139 MCF, Rc 15' VSOC&HGCM, ISIP 1362/30 mins, FP 22-45, FSIP 1385/30 mins.
CORE #1 (Chester) 5345-95, Rc 50' - 13½' sh; 8' lm; 2' sd & sh; 1' lm; 19' sd w/SS; 2½' sd; 4' sd w/SS.
CORE #2 (Meramec) 5400-47½, Rc 43½', 43' lm; ½' chert.
RTD 5500, logs. 5-1/2" @ 5450 w/625 sx. MICT. CO.
P/16/4698-4702, 500 Ac, 24 hr BD 1930 MCF. Set BP @ 4640.

P 20/4129-34, 6 hr BD 1450 MCF, pld plug @ 4640, CO 5438. Ran 1" tbg w/pkr @ 4675 & 1" tbg @ 4154.
From 4129-45, swb 20 BWPH/8 hrs, set BP @ 4410, g 250 MCF + 3 BWPH. SQ/4129-34 w/50 sx. CO.
P/csg notch @ 4132 & 4133½. CO 5438. Set BP @ 4215. Trt 4132-33½ w/500 Ac. 5 hr BD g 689 MCF. Pld BP @ 4215. Tbg w/ pkr @ 4675.
From 4698-4702, g 440 MCF. From 4132=33½, g 660 MCF.

IP COF 750 MCF, SIP 912, from Lansing 4132-4133½.
IP COF 440 MCF, SIP 981, from Marmaton 4698-4702.
Dual Completion. 8/5/61.

LIBERAL LOG TOPS

2992 KB

Winfield 2611 (+381)
Heebner 3984 (-992)
Toronto 4006 (-1014)
Lansing 4072 (-1080) ¢ 750 MCF
"D" Zone 4516 (-1524)
Marmaton 4660 (-1668) O&GCM
Pay Zone 4699 (-1707) ¢ 440 MCF
Morrow 5176 (-2184) T 128', no sand
Chester 5304 (-2312)
Sand 5370 (-2378) 0/23 (cored) NT
Ste. Gen 5415 (-2423)
TD 5500