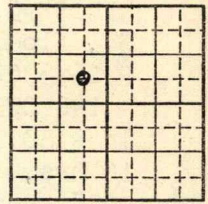


Discovery
Shawnee Oil

A-10-146 K-82
 MAP NO. _____ ELEV. 3485KB, 3483DF
 STATE Kansas COUNTY Morton SEC. 4 Twp 35S Rge 41W
 OPERATOR Cities Service Petr. Co., Liberal, Kans. loc. C SE NW
 WELL NO. 2 FARM NAME Crawley "B" FT. FROM _____ LINE _____
 POOL Wilburton (PD 5250) FT. FROM _____ LINE _____
 FR. 8-28-61 SPUD. 8-21-61 COMP. 10-12-61

CONT./GEOL. Lohmann-Johnson Tools

NAME PRODUCING INTERVAL	COMPLETION RECORD		PERF. W/HOLES	TREATMENT RECORD
	FROM -	TO		
<u>Topeka</u> <i>Shawnee</i>	<u>3277-89</u>		<u>48</u>	<u>3000 Ac</u>
<u>Morrow</u>	<u>4933-38</u>		<u>20</u>	<u>None</u>



d I. P. OIL/DIST S/143BOPD GAS _____ M.C.F.P.D. _____ CHK. Swb HRS. 24
 b " F/195BOPD " " " " " " 24
 c " " " " " " " "
 d

SIP# _____ FI TP # _____ FI CP# _____ SIBHP _____
 GOR. 100(a):500(b) GR. 45.4(a):40.6(b)PBD TD 5295

SIZE	DEPTH	CASING - W/SAX.	CEMENT RECORD SIZE	DEPTH	W/SAX.
<u>8-5/8"</u>	<u>1494</u>	<u>600</u>			
<u>5-1/2"</u>	<u>5067</u>	<u>350</u>			

OPERATOR Cities Service Petr. WELL NO. #2 Crawley "B" ELEV. 3485 KB

SAMPLE TOPS	DEPTH	SUB SEA	ELEC. TOPS	DEPTH	SUB SEA
			<u>Topeka</u>	<u>3188</u>	
			<u>Heebner</u>	<u>3526</u>	
			<u>Toronto</u>	<u>3542</u>	
			<u>Lansing</u>	<u>3678</u>	
			<u>Marmaton</u>	<u>3960</u>	
			<u>Morrow</u>	<u>4780</u>	
			<u>Morrow Sand</u>	<u>4930-82</u>	
			<u>Morrow Sand</u>	<u>5014-27</u>	
			<u>Morrow Sand</u>	<u>5116-26</u>	
			<u>Morrow Sand</u>	<u>5214-24</u>	
			<u>Morrow Sand</u>	<u>5238-70</u>	

Spud 8-21-61. 8-5/8" @ 1494 w/600 sx.
 DST #1 (Topeka) 3275-3310, op 1 hr, GTS/12 mins, TSTM, Rc 6' M / 450' SM&GCO, FP 75-185, FSIP 405/20 mins.
 DST #2 (Topeka) 3308-20, op 1 hr, Rc 180' GIP / 150' O&GCM, FP 25-75, FSIP 380/20 mins.
 DST #3 (Topeka?) 3406-50, op 1 hr, Rc 150' MW / 910' SW, FP 55-302, FSIP 439/20 mins.
 DST #4 (U/Morrow) 4935-50, op 30 mins, GTS/4 mins, Ga 279 MCF/5

mins, g 139 MCF/10 mins, O&MTS/11 mins, flod to pits for 19
mins (no est) rev out, rec 65' MO, FP 953-1309, SIP 1532/20:
Core #1 (Morrow) 5000-11, rec 10' sh, blk, rot;
Core #2 (Morrow) 5011-39, rec 28', 7' sh, 13' sd, 8' sh;
DST #5 (Morrow) 5019-39, op 45 mins, rec 20' Mud, FP 15-15, FSIP
25/30:
DST #6 (Morrow) 5120-45, op 1 hr, rec 120' SØCXW + 340' XW
+ 20'M ud, FP 50-200, FSIP 885/30:
RTD 5295, logs (Sj) 5½" @ 5067/350 sx, MICT, CO 5034, P 20/4933/38,
38, flod 85 BO (Nat)/5 hrs, (½" ck), G. 40.6°, set BP @ 4000;
P 16/3302-06, swb ld w/scum oil + 6 gal wtr, 250 M, swb 60 GO +
140 GWP/8 hrs, SQ/3302-06/100 sx, CO 4000; P 48/3277-89, swb
ld w/SO, A/1000, swb 8.6 BO + 1 BLP/5 hrs, swb 71 BO (G. 45.3°)/
10 hrs, A/2000 (15%), rec 1250' OIH/12 hrs, swb 71 BO/10 hrs, CO
5034, set tbg & pkr @ 4920. From 4933-38 flod 65 BO/8 hrs, GOR
500:1.
IP Flod 195 BOPD, G. 40.6°, GOR 500:1, from Morrow 4933-38
From 3277-89 swb 65 BO/11 hrs.
IP Swb 143 BOPD, G. 45.4°, GOR 100:1 from Topeka 3277-89. ↘
DUAL COMPLETION. 10/12/61.

LIBERAL ELECTRIC LOG TOPS

3485 KB

Topeka 3138 (+347) ∅ 143 BOPD
Heebner 3526 (-41)
Toronto 3542 (-57)
Lansing 3678 (-193)
Marmaton 3960 (-475)
Morrow 4780 (-1295)
Upper "L" Sand 4930 (-1445) 50/52; ∅ 193 BOPD
Lower "L" Sand 5014 (-1529) 8/13
"S-2" 5116 (-1631) 8/10
"S-3" 5214 (-1729) 6/10
"S-3" 5238 (-1753) 23/32
TD 5295