

A-9-21

MAP NO. K-78STATE Kansas COUNTY Haskell SEC. 3 ELEV. 3002KB, 2999DF Twp 29S Rge 34WOPERATOR Cities Service Petr. Co. LOC. C NW SWWELL NO. 1 FARM NAME Collingwood "A" FT. FROM _____ LINE _____TOWN Eubank (PD 5500) FT. FROM _____ LINE _____FR. 5-22-61 SPUD 5-22-61 COMP. 8-24-61CONT./GEOL. Braden Drlg. Co. Tools United Prod. Int.

NAME PRODUCING INTERVAL	COMPLETION RECORD		TREATMENT RECORD
	FROM - TO	PERF. W/HOLES	
a. <u>Marmaton</u>	<u>4670-84</u>	<u>48</u>	<u>1250Ac, F/5X3</u>
b. <u>Morrow</u>	<u>5202-06</u>	<u>16</u>	<u>None</u>
c. _____	_____	_____	_____
d. _____	_____	_____	_____

I. P. OIL/DIST	WTR	GAS	M.C.F.P.D.	CHK.	HRS.
b. <u>S/129BOPD</u>	<u>(Calc fr 8 hr tst)</u>	<u>Swab</u>	<u>24</u>		
c. _____	_____	_____	_____	_____	
d. _____	_____	_____	_____	_____	

CASING - CEMENT RECORD	SIZE	DEPTH	W/SAX.
b. <u>5-1/2"</u>	<u>5534</u>	<u>900</u>	
c. _____	_____	_____	_____
d. _____	_____	_____	_____

SIP#	FI TP #	FI CP#	SIBHP
a. <u>410(a):605(b)</u>	<u>GR. 33°(a):36°(b)</u>	<u>PBTD 5219</u>	<u>TD 5536</u>
b. _____	_____	_____	_____
c. _____	_____	_____	_____
d. _____	_____	_____	_____

D & A ()

OPERATOR Cities Service Petr. Co. WELL NO. #1 Collingwood "A" ELEV. 3002 KB

SAMPLE TOPS	DEPTH	SUB SEA	ELEC. TOPS	DEPTH	SUB SEA
<u>Winfield</u>	<u>2610</u>		<u>Heebner</u>	<u>3984</u>	
<u>Lansing</u>	<u>4072</u>		<u>Toronto</u>	<u>4000</u>	
<u>Marmaton</u>	<u>4649</u>		<u>Lansing</u>	<u>4074</u>	
			<u>Lansing "D" Zone</u>	<u>4496</u>	
			<u>Marmaton</u>	<u>4644</u>	
			<u>Marmaton Pay</u>	<u>4670</u>	
			<u>Morrow</u>	<u>5136</u>	
			<u>Morrow Sand</u>	<u>5278-92</u>	
			<u>Chester</u>	<u>5292</u>	
			<u>Chester Sand</u>	<u>5394</u>	
			<u>Ste Genevieve</u>	<u>5416</u>	
			<u>St Louis</u>	<u>5490</u>	

Spud 5-22-61. 8-5/8" @ 1827 w/950 sx.

DST #1 (Lansing) 4120-40, op 1 hr, Rc 585' O&GCSW, ISIP 1092/30 mins, FP 45-267, FSIP 1047/30 mins.

DST #2 (Lansing) 4497-4505, op 1 hr, Rc 360' GCSW, FP 0-126, SIP 1226/30 mins.

DST #3 (Marmaton) 4670-80, op 1 hr, GTS 4 mins, Ga 44 MCF/5 mins, Dec to TSTM/20 mins, Rc 2220' Oil, (Gty 32.5°) / 30' O&GCM,

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SHEET NO. 2

MAP NO.

STATE Kansas COUNTY Haskell SEC. 3Twp 29S Rge 34WOPERATOR Cities Service Petr. Co. LOC. C NW SWWELL NO. 1 FARM NAME Collingwood "A"

ISIP 1273/30 mins, FP 165-374, FSIP 1032/30 mins.
 DST #4 (Morrow) 5280-93, op 45 mins, Rc 10' M, FP 60-60, SIP 91/30 mins.
 DST #5 (Chester) 5317-35, op 30 mins, Rc 5' M, FP 81-81, SIP 81/20 mins.
 DST #6 (Chester) 5397-5420, op 2 hr, GTS 18 mins, Ga 88 MCF/20 mins, ga 124 MCF/60 mins, Rc 30' HO&GCM, FP 0-45, SIP 1475/30 mins.
 RTD 5536, logs. 5-1/2" @ 5534 w/900 sx. MICT. CO to 5499.
 P/28/5486-93, Bld 4 1/2 GWPB w/scum oil/4 hrs, 250 MA \neq 500-15% Ac, Swb 20 BF w/scum oil/11 hrs. Set BP @ 5425.
 P/16/5404-08, 250 Ac, Swb 5 BO \neq 1.68 BW/7 hrs, 1500-15% Ac, Swb 32 BO \neq 9 BW w/324 MCF/24 hrs.
 P/16/5396-5400, Set BP @ 5403, swb 21 BO (Gty 32°) \neq 2 BW w/324 MCF/13 hrs, Frac 5,000 Oil X 2,500 sd. CO to 5424. Swb 48 1/2 BL \neq 14 BW w/324 MCF/24 hrs. Did not Rc all ld. Set BP @ 5308.

OPERATOR Cities Service Petr. Co. WELL NO #1 Collingwood "A"

P/32/5282-90, 250 MA \neq 500-15% Ac, Swb 168 GF (no est)/NS, CO to 5424. Set BP @ 5220.
 P/16/5202-06, Swb 159 BO \neq .8 BS&W/98 MCF/24 hrs, Gty 36°, set BP @ 4800.
 P/8/4772-74, 250 MA, 500-15% Ac, swb 1d/SG, 1500-15% Ac, swb 34 GO (Gty 36°) \neq 106 GW \neq 44 MCF/13 hrs (126,000 ppm).
 P/16/4774-78, 5000 Ac, Swb 1.68 GOPH \neq 20 GWPB (142,000 ppm) \neq 62 MCF. SQ 4472-78 w/100 sx. CO to 5216. Bld 66.8 BO \neq 1.6 BW w/98 MCF/11 hrs. From 5202-06. Later Swb 16 1/2 BO/3 hrs. Set BP @ 4705.
 P/32/4670-78, bld 35 BOPB w/SSG/NT, 250 MA, swb 1d. Swb 103 BNO (2% BS&W) w/62 MCF/9 hrs, Gty 33°, swb 10.2 BNO w/44 MCF/3 hrs. 1000 Ac, Swb 1d. Swb 34.37 BNO w/26 MCF/12 hrs. Swb 1Q BO (3% BS&W)/5 hrs.
 P/16/4680-84, Swb 8,34 BO (3% BS&W)/4 hrs, Frac 5,000 crude X 3000 sd w/20 sealer balls. Rc 1d. Swb 138.9 BNO \neq 50 BW w/40 MCF/16 hrs. Swb 16 1/2 BO \neq 4 BFMW/5 hrs, ga 40 MCF. Viso SQ 4670-78 w/200 Gd Oil \neq 100 sx. Swb 1d. Swb 261. BO \neq 26.7 FMW w/21 MCF/8 hrs. Swb 35 BO \neq 40 B Wtr w/21 MCF/24 hrs. (84,600 ppm). Pld BP @ 4705. CO to 5219. Swb both zones (Mor & Marm). Swb 139.39 BO \neq 15 BW w/105 MCF/14 hrs. Set pkr &

pl @ 5195. \$ 58 BO + 25 BFMW w/32 MCF/17 hrs fr 4670-84. Swb 43 BO w/88 MCF + 4% BXW/8 hrs, fr 5202-06.

IP swab 43 BO w/88 MCF + 4% BS&W/8 hrs, Gty 36°, GOR 605, (Calc 129 BOPD). from Morrow 5202-06.

IP swab 78 BO + 33 BW/24 hrs w/32 MCF, Gty 33°, GOR 410 fr Marmaton 4670-84.
8/24/61.

LIBERAL LOG TOPS

3002 KB

win

+ 390

Heebner 3984 (-982)

Toronto 4000 (-998)

Lansing 4074 (-1072) O&GCXW

"D" Zone 4496 (-1494) DST GCXW

Marmaton 4644 (-1642)

Pay Zone 4670 (-1688) 2220' oil; ϕ \$ 58 BO + 25 BW + 32 MCF/17'

Morrow 5136 (-2134)

Sandy Ls 5202 (-2200) 5/14, SSO in samples ; ϕ \$ 43 BO + 88 MCF +

"S-3" 5278 (-2276) 9/14

.4% BS&W/8'

Chester 5292 (-2290)

Shaly Sand 5314 (-2312) 20/20, tst Mud

Sand 5394 (-2392) 15/22

Ste Gen 5416 (-2414)

St. Louis 5490 (-2488)

TD 5536