

90127

MAP NO. _____ ELEV. 3297 KB
 STATE Kansas COUNTY Morton SEC. 2 Twp 32 S Rge 40 W
 OPERATOR Pan American Petroleum Corp. LOC. C SW NE
 WELL NO. 1 FARM NAME Hayward "C" FT. FROM _____ LINE
 COL Kinsler (PD 6200) FT. FROM _____ LINE
 FR. 8-31-60 SPUD 10-14-60 COMP. 12-16-60

CONT./GEOL. Big Chief Drilling Tools
 COMPLETION RECORD
 NAME PRODUCING INTERVAL FROM - TO PERF., W/HOLES TREATMENT RECORD

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

D & A

D & A (X)

SIP# _____ FI TP # _____ FI CP# _____ SIBHP _____
 GOR. _____ GR. _____ PBDT _____ TD 6200
 CEMENT RECORD
 SIZE DEPTH W/SAX. SIZE DEPTH W/SAX.
8-5/8" 732 400 _____
4 1/2" 6000 540 _____

OPERATOR Pan American WELL NO. 1 Hayward "C" ELEV. 3297 KB

SAMPLE TOPS	DEPTH	SUB SEA	ELEC. TOPS	DEPTH	SUB SEA
			Council Grove	2730	+567
			Topeka	3392	-95
			Missourian	3910	
			Des Moines	4668	
			Morrow	5430	-2133
			Mississippian -		
			Chester	5866	-2569
			Ste. Genevieve	5966	-2669
			St. Louis	6068	-2771

@ 3990 twist off @ 3278, rec fish. TD 6200, ran Elog. 4 1/2" @ 6000 w/540 sx. CO to 6000 PBD.

P/L Morr/18/5822-25, swb dry NS, 500 A - 15%, Max pr 1500, broke to 500 on Vac/9 mins, rec load, Swb 1 1/2 BWPH/6 hrs, (Chlorides 72,000 ppm), Set BP @ 5815.

P/Morr/16/5797-99, swb dry NS, 500 A - 15%, Max trt pr 1000, Trt pr 900 on Vac/4 mins, Frac 8,000 gal wtr X 6,000 sd, 107 bbl flush, Max pr 1700, Min pr 1400, Swb 299 BW + 5 gal OPH/56 hrs (Chlorides 98,210 ppm), gty 39 degrees.

Set BP @ 5785.

P/Morr/16/5711-13⁵³, Swb + SSG, $\frac{1}{2}$ BO + $\frac{1}{2}$ BW/2 hrs Nat, 500 A - 15%
Max trt pr 1800, min trt pr 500 on Vac/2 mins, Swb 107 BLW
+ 10 BF (average $\frac{3}{4}$ BW & $\frac{1}{4}$ BOPH last 5 hrs), gty 39 degrees
wtr analysis 96,000 ppm, frac 12,000 gas trt wtr X 8,000
sd, Swb 91 BLW + 45 BFW/17 hrs (average 8 BFWPH w/SSG TSTM
wtr analysis 103,570 ppm. Drove plug to 5814, Sq p 5797-99/
50 sx & P 5711-13/50 sx. Pulled pkr to 4809.
PB 5614, CO to 5793.

P 16/5785-87⁸³(Mor) NS Nat, 500 A, Max pr 1500, Min pr 1000.
Swb ld + 134 BFW/32 hrs. Swb ld SO&G (wtr analyzed 71,000
ppm chlorides), Set BP @ 5708.

P/5703-04⁵³(Morr), swb 61 BF/21 hrs, swb ld SO&GW (analyzed
89,103 ppm Chlorides). Set BP @ 5624

P/8/5455-56⁵³(Mor), swb dry + SSG, 1000 A, rec ld NS. frac
8,000 GAW X 6,000 sd, max pr 2400, swb 115 BL/10 hrs NS,
(fluid analyzed 62,710 ppm), left 122 BLW in form. BP 4800

Mrm P/12/4752-54 (Des Mo), SSG TSTM, 2000 A, swb pt ld NS, 125 BLW to
rec, BP @ 4730.

Mrm P/12/4682-84 (Des Mo), swb down NS, 2000 A, swb ld SSG (wtr
analyzed 85,000 ppm chlorides). BP @ 4185.

Lsg P/16/4030-34 (Mo), NS, 2000 A, rec ld, swb 8 BWPH (Chlorides
38,700 ppm), BP @ 4000.

C60 P/12/2840-42 (CG) NS Nat, 500 A, rec ld, swb 10 GWPH/6 hrs,
fluid analyzed 74,570 ppm chlorides) NS gas or oil, 2000A,
Max pr 700, Min pr 600, swb ld + 10 BFW NS (wtr analyzed
128,200 ppm), sq/p 2840-42/75 sx. CO to 3115 PBTB

P/12/2805-07 NS, 4000 A - 15% + 12 ball sealers, max trt pr 1200
broke to 600 swb ld (55 BLW to rec) (Chlorides 112,800 ppm)
D & A.

LIBERAL TOPS

3297 KB

Winfield 2436 (+861).

C. G. 2700 (+597) wtr

Heebner 3862 (-565)

Toronto 3876 (-579)

Lansing 3980 (-683) XW, NS

Marmaton 4666 (-1369) SSG + wtr

Morrow 5421 (-2124) T 443', TSD 82'

"S-1" 5448 (-2151) 8/10, swb wtr

"S-3" 5700 (-2403) 20/30, swb TSTM + wtr

"S-3" 5784 (-2487) 30/42, wtr + tr oil

Chester 5864 (-2567)

St. Gen 5966 (-2669)

St. Louis 6068 (-2771)

Porous Zones 6046-49, NT

6132-41, NT

6162-70, NT

TD 6200