

KANSAS

Church # 1-18(E) Heron Minneola Prospect, Clark Cty, Ks. (LPC).
W.I. .7500, 5600' Miss. AFE: \$213,500 DHC: \$132,700

Location: 660' FSL 1320' FEL, Sec. 18-30S 25W.
Clark County, Ks. Rains & Williamson Contractor.

9-21-80 1 day. Drlg. 550'. Made 550' in 7 hrs. MW: 9.5 Vis. 32
Spud 10:30 P.M. 9/20/80.
DC: \$7242
CC: \$7242

9-22-80 2 days. PD. 1404'. Present operation: WOC. Made 854'
in 11½ hrs. Drilled to 670' w/12¼" bit. Changed out to 7 7/8"
bit. Drilled to 1404'. No lost circulation. Ran 17 jts.
8 5/8" 24# casing. Casing set @ 670'. Cmt. w/250 sx 65/35
+ 6% gel, + ¼# /sx D-29 + 3% CaCl + 12# kolite/sx. Tailed
in with 200 sx Class "H" + 3% CaCl. P.D. 3:45 AM.
Cement to surface.
DC: \$17,543
CC: \$24,785

9-23-80 3 days. Drlg. 1,940'. Made 536' in 10½ hrs.
MW: Water
DC: \$6,084
CC: \$30,869

9-24-80 4 days. Drlg. 2,755'. Made 815' in 20½ hrs.
MW: 9.5 Vis. 31
DC: \$9863
CC: \$40,732

9-25-80 5 days. Drlg. 3,228'. Made 473' in 21½ hrs.
MW: 9.3 Vis. 32
DC: \$ 6,349
CC: \$ 47,081

9-26-80 6 days. Drlg. 3,726'. Made 498' in 21 3/4 hrs.
MW: 9.1 Vis. 34.
DC: \$ 6,057
CC: \$ 53,128

9-27-80 7 days. Drlg. 4192'. Made 466' in 21 3/4 hrs. MW: 9.2
Vis. 36.
DC: \$6312
CC: \$59,450

9-28-80 8 days. Drlg. 4607'. Made 415' in 21½ hrs. MW: 9.2
Vis. 38.
DC: \$6612
CC: \$66,062

9-29-80 9 days. Drlg. 4878'. Made 271' in 18½ hrs. MW: 9.2 Vis. 43
Vis 43 WL 10.2
DC: \$4825
CC: \$70,887

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18-30-25w
P/

9-30-80 10 days. P.D. 5058'. Present operation: TIH w/DST # 1
Made 180' in 14 3/4 hrs. MW: 9.3 Vis. 43 Wl 8.4
DC: \$4646
CC: \$75,533

10-1-80 11 days. Drlg. 5083'. Made 25' in 2 1/4 hrs. Results DST # 1.
Interval: 5039'-5058'. Times: 15-30-60-120 mins.
Pressures: IH: 2475 ISI: 1583 FSI: 1583
IO: 53-80 FO: 67-133 FH: 2475
Surface performance: IO-weak blow off bottom of bucket in 1 min. Open 2" line in 2 mins. No gas to surface. FO-open w/strong blow- gas to sfc. in 10 mins. Est. 4.84 MCFD in 15 mins. Stabilized at this rate for last 45 mins. Recovery: DP-296' of fluid. 60' heavy mud cut oil. 236' oil. Sampler: 750 cc oil, .45 cu.ft.gas. No water. 110 psi. Oil gravity: 37 API. BHT. 110°. MW; 9.3 Vis. 45 Wl 6.8
DC: \$4624
CC: \$80,157

10-2-80 12 days. P. D. 5295'. Present operation: TI W/DST # 2.
Interval: 5272'-5295' (Mississippian). MW: 9.3
Vis. 44 Wl 5.6
DC: \$10,357
CC: \$90,154

10-3-80 13 days. Drlg. 5371'. Made 76' in 9 1/2 hrs. MW: 9.2 Vis. 45
WL 5.4 Results of DST # 2: Interval: 5272'-5295'.
Times: 15-30-30-60. Pressures: IH: 2618
IO: 62-50
ISI: 62
FO: 49-45
FSI: 49
FH: 2618
BHT: 112°. Surface performance: IO: open tool w/weak blow. No blow in 10 mins. FO: No blow. Recovery: 10' mud. No samples.
DC: \$5344
CC: \$95,498

10-4-80 14 days. Drlg. 5538'. Made 167' in 18 3/4 hrs.
MW: 9.3 Vis. 50 Wl 8.4
DC: \$2931
CC: \$98,429

10-5-80 15 days. T.D. 5575'. Present operation: Logging. MW: 9.3
Vis. 50 Wl 6.1
DC: \$14,320
CC: \$112,749

10-6-80 16 days. T.D. 5575'. Present operation: MORT. Finished logging. Ran Dipmeter, BHC, CNL, DLL-MSFL. Ran 128 jts 4 1/2" 10.5# ST&C casing. Set @ 5210'. Cmt w/250 sxs 50/50 poz + 2% gel, + 18% salt, + .75%/sx TIC. Tailed in w/215 sx 12-0 RFC. DV tool at 1712'. 2nd stage: Cmt. w/700 sxs 35/65 poz 6% gel, + 2% CaCl₂. P. D. 5:00 A.M. 10/5/80 Rig released 7:00 A.M.
DC: \$42,260 CC: \$155,009

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- 10/10/80 17days. MIRU Boland completion unit. Pulled up 3 7/8" bit, 4 1/2" csg scraper. Ran in 2 3/8" EUE tbg to top of DV tool at 1729', RU reverse circulator. Dug out DV tool. Finish in hole, 106 joints 2 3/8" EUE tbg to plug back total depth of 5166'. Circulate hole with 2% KCl water. Test csg to 1000 psi. Held OK. SION. DC: \$4,562 CC: \$174,013
- 10-11-80 18 days. RU tbg swab, swab to 1000' from surface. POOH w/tbg & bit. RU GO, ran GR-CCL log from PBTD to 4000'. Perf w/3-1/8" csg gun from 5042-44', 2 JSPF & 5050-54', 2 JSPF, RD GO. RU & ran 4 1/2" Baker Mod R pkr on 161 jts 2-3/8" tbg. Pkr would not set. POOH. PU Pengo, GS-3 pkr, RIH & set @ 5021'. RU tbg swab & swabbed KCl water to pkr. SDFN. DC-\$4914 CC-\$164,485
- 10-12-80 19 days. 12 hr SITP=120 psi. RU tbg swab. FL @ 3500'. Swab 1200' oil, 300' 2% KCl water (very gassy). RU Dwell & acidize w/7500 gals 28% HCl w/additives. Max press=1200 psi, avg rate=6 BPM @ 750 psi. ISIP=400, 15 min 400 psi. Open to pit & flowed load water for 20 min. RU tbg swab & swab 12 BLW, well KO & flowed. Flowed 60 BF (1% water) in 5 hrs. Left flowing overnight. DC-\$11,003 CC-\$175,488
- 10-13-80 20 days. SD Sunday.
- 10/14/80 21 days. Well dead. Released pkr & POOH. RIH w/tbg. SN @ 5082'. Flange up wellhead. PU 2 x 1 1/2 x 16' pump & ran on 192 3/4" rods. SIFN. DC-\$10,452 CC-\$185,940
- 10-15-80 22 days. Spaced out rods. Checked pump action. Clamp well off. RDMO. DC: \$492 CC: \$186,432

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18-30-25w
P1

10/18/80 25 days. Install pumping unit.

10/19/80 26 days. Put on pump @ 2PM, 54" stroke, 6½ SPM, 1½" pump.

10/20/80 27 days. Pump 29 BO, 64 BW. Water is load from behind pkr.

10-21-80 28 days. Pumped 57 BO and 7 BW. Unit was down this A.M.