

**WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY**  
**508 East Murdock, Wichita, Kansas**

Company- STANOLIND OIL & GAS COMPANY  
 Farm- Lemon Gas Unit No. 1  
 "E"

SEC. 27 T. 32 R. 41W  
 C NE/4  
 1320' fr N & SL & 1320' fr E  
 & W L of the NE/4  
 County Morton KANSAS

Total Depth. 5295' PBTD 5259'  
 Comm. 9-16-56 Comp. 11-21-56  
 Shot or Treated.  
 Contractor. Stanolind Oil & Gas Company  
 Issued. 4-6-57

**CASING:**

9 5/8" @1480' w/1000 sx cem.  
 " @5294' w/1000 sx cem.

Figures Indicate Bottom of Formations.

surface soil & Click Rock 45  
 hale 75  
 shale & shells 133  
 shale & lime 255  
 shale 367  
 shale & sand 400  
 shale & Redbed 575  
 red Bed 589  
 Red bed, sand 740  
 shale, sand 900  
 sand, Anhydrite 1079  
 Anhydrite, shale 1224  
 shale 1401  
 shale, Anhydrite 1490  
 red bed, Anhydrite 1801  
 shale, lime 2008  
 shale, lime, Anhydrite 2137  
 shale, Anhydrite 2177  
 shale, Anhydrite, lime 2230  
 lime, shale 2485  
 shale 2506  
 shale, lime 2701  
 lime 2741  
 shale, lime 3131  
 lime, shale, sand 3175  
 lime, shale 3260  
 Chalky lime, shale 3311  
 lime, shale 3532  
 chalk, lime, shale 3594  
 lime, shale 4040  
 lime 4081  
 lime, shale 4390  
 lime 4536  
 lime, shale 4599  
 lime 4605  
 shale, lime 4704  
 lime, shale, chert 4719  
 shale 4754  
 lime, shale 4775  
 shale 4790  
 lime, shale 5071  
 shale 5086  
 sand, shale 5134  
 shale 5144  
 shale, sand 5165  
 shale 5175  
 shale, sand 5238  
 lime, sand 5245  
 lime 5267  
 sand, lime 5290  
 lime 5295  
 Total Depth PBTD 5259

TOPS  
 Herrington(Scout) 2132  
 Winfield 2184  
 Towanda (Scout) 2266  
 Topeka 3110  
 Lansing 3440  
 Missourian 3590  
 Des Moines (Scout) 4236  
 Morrow 4760  
 Keyes Sand 5202  
 Mississippi (Scout) 5282

**DRILL STEM TESTS**

DST #1 3120-75' Tool op 1 hr. gas to surface in 12 min. Gauged 103 MCF/D. Tool closed 1/2 hr. Rec. 180' Rotary mud. FF 90%. Hydrostatic Head 1560#. BHP 455%.  
 DST #2 4065-90' Tool op. 1 hr. w/light blow. Closed 1/2 hr. Rec. 60' slightly gas cut mud. IF 10%, F 25#. Hydrostatic Head 2140#. BHP 880%.  
 DST #3 4335-90' Tool op. 1 hr. w/light blow for 3/4 hr. Closed 1/2 hr. Rec. 15' Rotary mud. I & FF 25#. Hydrostatic Head 2175#. BHP 110%.  
 DST #4 4545-99' Tool op. 1 hr. closed 3/4 hr. Fair to weak blow. Rec. 150' of Rotary mud. I & FL 140%. Hydrostatic Head 2440#. BHP 210%.  
 DST #5 4720-75' Tool op. 1 hr w/light blow for 3/4 hr. Closed 1/2 hr. Rec. 15' Rotary mud. IF 90%, F 70%. Hydrostatic Head 2550#. BHP 340%.  
 DST #6 5085-5134' Tool op. 1 hr. w/fair blow. Closed 1/2 hr. Rec. 175' Rotary mud & 190' muddy salt wtr. IF 30%, F 190%. Hydrostatic Head 2600#. BHP 1120%.  
 DST #7 5130-65' Tool op. 1 hr. w/weak blow for 10 min. Rec. 60' Rotary mud Closed 1/2 hr. I & FF 35#. Hydrostatic head 2420#. BHP 85%.

Elevation. 3399' DF  
 Dual Completion 20 min.  
 Production. open flow  
 Keyes 16,800 MCF/D  
 Winfield 4000 MCF/D  
 DST #8 5190-5245' Tool op. 17 min. w/gas to surface in 2 min. Gauged 9000 MCF/D (17 min.) Closed 1/2 hr. IF 730%, FF 945%.  
 Hydrostatic Head 2530% BHP 1400%. Rec. 80' gas and distillate cut mud.  
 Ran Welex Gamma & Collar Locator Survey from 5259-2100'. Perf. w/6 SPF 5223-38'. Good show gas. 24/20 gauge 7780 MCF/D. 5259' Swbbed & tested, 7 hr. gauge 28,512 MCF/D w/mist of fluid. Treated 9 hr. gauge 33,529 MCF/D. Set bridging plug @5025'. Perf. Winfield w/8 SPF 2194-98' and 2208-14'. Gauged 2557 MCF/D. Treated 6 1/2 hr gauge 10,500 MCF/D w/600 gal wtr. per hr. Perf. w/4 SPF 2248-50'. Perf. w/4 SPF 2190-98'. Treated 12 hr gauge 6755 MCF/D w/27 gal acid wtr per hr. Drilled out and cleaned out hole to 5259'. Set packer 5000'. 2 7/8" set 24999'. 1 1/4" tubing set 22212'. Swabbed dry.

