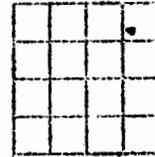


Total Depth. 4821 PB 4808  
 Comm. 5-8-51 Comp. 6-16-51  
 Shot or Treated.  
 Contractor. Stickle Drlg. Co.  
 Issued. 8-25-51

County. Sumner  
 KANSAS



CASING:  
 10 3/4" 604' cem. w/450 sx  
 7" 4813' cem. w/500 sx

Elevation. ~~1121~~ DE  
 1126 RB (2nd)  
 Production. Bomb Pot. 4736 BOPD

Figures indicate Bottom of Formations.

|                      |      |
|----------------------|------|
| sand & clay          | 45   |
| shale, shells & salt | 600  |
| lime & shale         | 785  |
| shale & salt sandy ✓ | 830  |
| shale & lime         | 1585 |
| shale & lime shells  | 1950 |
| lime & shale         | 3175 |
| shale & sand         | 3375 |
| shale & lime         | 3476 |
| shale                | 3517 |
| shale & lime         | 3606 |
| sand & lime          | 3662 |
| lime                 | 3868 |
| lime & shale         | 3915 |
| lime                 | 3949 |
| lime & shale         | 4157 |
| shale                | 4249 |
| lime & shale         | 4272 |
| shale                | 4348 |
| chat                 | 4379 |
| chat & lime          | 4412 |
| lime                 | 4569 |
| lime & shale         | 4582 |
| lime                 | 4601 |
| lime & shale         | 4616 |
| lime & chert         | 4637 |
| lime                 | 4658 |
| cherty lime & shale  | 4671 |
| lime                 | 4684 |
| lime & shale         | 4704 |
| shale                | 4730 |
| shale & lime         | 4758 |
| lime                 | 4765 |
| sand                 | 4814 |
| sand                 | 4821 |
| Total Depth PB 4808  |      |

On State Test flowed 418 BOPD,  
 no water, through 5/16" choke.  
 Static BHP 1640#. flowing pressure  
 1500#, pressure dropped 140#.  
 Static tubing pressure 510#,  
 final pressure 385#. Bomb pot.  
 4736 BOPD.

|                  |      |
|------------------|------|
| Tops:            |      |
| Stalnaker        | 3130 |
| Layton           | 3598 |
| Kansas City      | 3647 |
| Base Kansas City | 3846 |
| Marmaton         | 3920 |
| Cherokee         | 4072 |
| Mississippi      | 4344 |
| Kinderhook       | 4692 |
| Misener          | 4744 |
| Viola            | 4751 |
| Simpson          | 4764 |
| Simpson Sand     | 4802 |