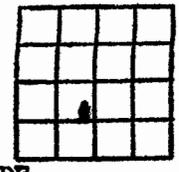


Total Depth. 4360' PB 4165'  
 Comm. 9-10-59 Comp. 9-24-59  
 Shot or Treated.  
 Contractor. Claude Wentworth Drig.  
 Issued. 1-16-60

County Rawlins  
 KANSAS



CASING:  
 8 5/8" 446' cem w/300 sx.  
 5 1/2" 4351' cem w/250 sx.

Elevation. 3133' DF

Production. 97 BO, 6 BWPD

Figures Indicate Bottom of Formations.

surface soil, sand & shale	454
shale	735
shale & gyp	1295
shale & sand	2150
shale & pyrites	2390
shale & lime	2540
pyrites & sand	2605
shale & pyrites	2715
lime	2840
shale & lime	2973
Anhydrite	3010
shale & lime	3174
shale & shells	3490
shale & lime	3610
lime, white, fine crystalline	3618
lime & shale	3745
lime	3841
lime & shale	3950
lime	4019
lime, cream to lgt gry, fine crystalline	4030
lime	4040
sand, gry to blk fine grained	4048
lime	4074
lime, buff, fine crystalline	4078
lime	4080
lime, buff, fine crystalline	4084
lime	4123
lime, buff, chalky	4127
lime	4172
lime, cream to buff, fine crystalline to dense	4178
lime	4185
lime	4192
lime, lgt to gry to buff, fine crystalline	4195
lime	4217
lime, gray, fine crystalline	4226
lime	4230
lime	4260
lime, cream to lgt gry fine crystalline	4266
lime	4360
Total Depth	
Plugged back to 4165'	

DRILL STEM TESTS:

#1 3610-3618', op 1 hr., weak blow dead in 5 mins., rec. 10' of watery mud, IBHP 1155# 30 mins., IFP 0#, FFP 0#, FBHP 890#/30 mins  
 #2 4169-4185', op 1 hr., weak blow dead in 4 mins., rec. 5' of mud, IBHP 25#/30 mins. IFP 0#, FFP 0#, FBHP 15#/30 mins.  
 #3 4185-4230', op 2 hrs. good blow thruout, rec. 2710' of slightly mud cut oil, 180' of salt water (oil 24.1° gravity). IBHP 1210#/30 mins., IFP 245#, FFP 1070#, FBHP 1180#/30 mins.

Casing Perf. #1 4223-4226' 6 A-2 holes  
 Casing Perf. #2 4220-4222' 8 A-2 holes  
 Treatment #1 Acidized between 4220-4222' 10/4/59 by Halliburton, using 500 gals. of acid and 102 barrels of water.  
 Casing Perf. #3 4218-4220' 12 A-2 holes  
 Treatment #2 Acidized 4218-4220', 10/8/59 by Halliburton, using 250 gals of acid and 17 barrels of oil.  
 Casing Perf. #4 4075-4078' 12 A-2 holes  
 Treatment #3 Acidized 4075-4078' 10/9/59 by Halliburton, using 250 gals of acid & 103 barrels of water.  
 Casing Perf. #5 4041-4047' 24 A-2 holes  
 Treatment #4 Acidized 4041-4047' 10/10/59 by Halliburton, using 250 gals of acid & 99 barrels of water.  
 Treatment #5 Acidized 4041-4047' 10/10/59 by Halliburton, using 500 gals of acid & 100 barrels of water.  
 Casing Perf. #6 4029-4037' 32 A-2 holes  
 Treatment #6 Acidized 4029-4037' & 4041-4047', 10/11/59 by Halliburton, using 500 gals of acid & 102 barrels of water.  
 Treatment #7 Acidized 4029-4037' 10/12/59 using 500 gals of acid & 102 barrels of wtr  
 Casing Perf. #7 4177-4184' 28 A-2 holes  
 Treatment #8 Acidized 4177-4184' 10/14/59 by Halliburton, using 250 gallons of acid & 18 barrels of water.

Producing Formation: Lansing Lime  
 Top 4029' Bottom 4078'

TOPS:

Dakota	1893
Stone Corral	2975
Base Stone Corral	3009
Council Grove	3386
Admire	3654
Topeka Lime	3826
Leavenworth	3973
Lansing Lime	4024
Base Kansas City	4292
Marmaton	4329