

APP# 15-153-21243-02-00  
 G E O L O G I C A L R E P O R T  
 COMPANY King Production Service, Inc.  
 LEASE James Dale #11-5  
 FIELD Bucaras North  
 LOCATION 560' E 1/4 - 2320' E 1/4  
 SEC 5 T15P 15S R0E 34W  
 COUNTY Redwells STATE Kansas  
 CONTRACTOR S.I.P. Drilling Rig #1  
 SPUD 11/13/19 COMP 11/18/19  
 SAMPLES SAVED FROM 3430 TO R.T.D.  
 FORMAT TONS AND STRUCTURAL POSITION  
 DEPTH 3065'  
 RI 3065'  
 Depths Measured From Log #15 Drilling Log  
 SURFACE CASING 225'  
 PRODUCTION ANGLE  
 EL ECTRIC LOGS  
 PLUGGED  
 FORMATION TONS AND STRUCTURAL POSITION  
 REMARKS  
 This well ran 11 feet lower on the Lansing A zone top than the producing King Production Service, Inc. Well #15-55. The log structural position along with open hole log evaluation determined the James Dale #11-5 should be plugged and abandoned.  
 Richard J. Shell  
 11/21/19

REMARKS  
 This well ran 11 feet lower on the Lansing A zone top than the producing King Production Service, Inc. Well #15-55. The log structural position along with open hole log evaluation determined the James Dale #11-5 should be plugged and abandoned.  
 Richard J. Shell  
 11/21/19

LEGEND  
 Anhydrite Salt Sandstone Shale Carb sh Limestone Ool. Lime Chert Dolomite

DEPTH	LITHOLOGY	REMARKS
2980		
3000		
3020		
3040		
3060		
3080		
3100		
3120		
3140		
3160		
3180		
3200		
3220		
3240		
3260		
3280		
3300		
3320		
3340		
3360		
3380		
3400		
3420		
3440		
3460		
3480		
3500		
3520		
3540		
3560		
3580		
3600		
3620		
3640		
3660		
3680		
3700		
3720		
3740		
3760		
3780		
3800		
3820		
3840		
3860		
3880		
3900		
3920		
3940		
3960		
3980		
4000		
4020		
4040		
4060		
4080		
4100		
4120		
4140		
4160		
4180		
4200		
4220		
4240		
4260		
4280		
4300		
4320		
4340		
4360		
4380		
4400		
4420		
4440		
4460		
4480		
4500		
4520		
4540		
4560		
4580		
4600		
4620		
4640		
4660		
4680		
4700		

DRILLING TIME IN MINUTES PER FOOT  
 Rate of Penetration Decreases  
 5" 10" 15" 20" 25"

CONTRACTOR \_\_\_\_\_ LOCATION \_\_\_\_\_  
 LEASE \_\_\_\_\_ IP \_\_\_\_\_ SEC. \_\_\_\_\_ TWP \_\_\_\_\_ RNC \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ RTD. \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_

Tri-lobite Testing  
 DST#1 3988' 4018'  
 15-60 - 45-60  
 IF: wk blow incr. to 1"  
 PSI: No blow  
 FSI: No surface blow  
 Recovery: 5' 0cm 20%  
 NYA: 2000 1874#  
 FP: 15-16 / 17-19#  
 BHP: 54 - 28#  
 BHTemp: 126°F.

Incline 1°  
 Pipe Strap @ 4018'  
 Board 4032.37  
 Strap 4031.56  
 D:ff 81

DST#2 4023' 4130'  
 30-60 - 30-60  
 IF: B.O.B. 12 3/4 min  
 PSI: wk blow 12 min  
 Dead @ 45 min  
 FP: B.O.B. @ 5 1/2 min  
 FSI: No blow  
 Recovery: 1515' Total  
 2' 0" 1' gravity 30°  
 252' 0mcw 10%  
 60% w 30% m  
 126' 0mcw 5%  
 85% w 10% m  
 1075' wcm 95% w 5% m  
 60' wcm 40% w 60% m  
 BHTemp: 137°F  
 Chlorides: 30,000 ppm