

15-35-2E

KANSAS GEOLOGICAL SOCIETY
 KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU
 KANSAS GEOLOGICAL SOCIETY BUILDING
 508 EAST MURDOCK - WICHITA, KANSAS

COMPANY **EMPIRE GAS & GUEL CO.**

SEC. 15 T. 35 R. 2E

FARM **Duncan**

NO. 1

LOC. **C NE NE**

660' FNL 660' FEL

TOTAL DEPTH **1500'**

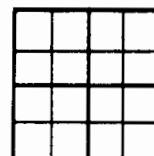
COMM. **4-7-19**

COMP. **5-11-19**

SHOT OR TREATED
 CONTRACTOR
 ISSUED

COUNTY **Sumner**

KANSAS



CASING

20	10	
15	B 1/2	620'
12 3/4	6	5/8 815
13	5	3/16 1487'

ELEVATION

PRODUCTION **4,000,000**
gas R.P. 380'

FIGURES INDICATE BOTTOM OF FORMATIONS

soil	3	Little gas @ 855'	
clay	15	lime	900
shale	20	lime brkn	940
gyp, wtr 58'	48	shale	960
shale	60	lime	1015
gyp	62	lime w/shale brkn	1035
shale	69	lime brkn	1090
gyp	73	shale, 3 BW	1110
shale	78	slate w/lime brks	1175
gyp	95	lime	1190
shale	115	shale	1235
gyp	135	lime	1285
lime	150	slate	1300
slate	170	lime	1310
shale	175	rock	1315
slate	195	shale	1325
lime shell	200	lime	1345
slate	220	red rock	1350
lime	225	lime	1375
slate	270	slate	1405
lime	280	water	1395
slate	290	sdv lime	1415
red rock	320	shale	1435
slate	325	lime	1455
slate	390	slate	1475
lime brkn	400	shale	1480
slate	405	mistake of 20' in hole	
wtr sand	408	shale	1483
lime	450	lime	1492
shale	455	gas sand	1500
lime	465	Total Depth	
shale	470		
red rock	48-		
limst, cave	485		
shale	510		
lime	520		
sand, lime	535		
sdv lime	540		
wtr sand	548		
lime	575		
slate	590		
lime	600		
shale	605		
lime	630		
slate	650		
lime	680		
shale	685		
slate	690		
lime	700		
red rock	735		
shale	750		
red rock	760		
lime	780		
sdv lime	795		
gas @ 795			
sdv lime	810		
lime	830		
shale	860		

Duncan # 1

Farm No. 7406 Company

Commenced Mar. 26, 1919

Completed May 11, 1919

Volume Four Million feet

Located Center of NE of SW

Elev. T. D.

Log No.



	Thickness	Total Depth
Soil	3	
Clay yellow	10	
Shale blue	5	20
Gyp	8	28
Shale blue	19	
Gyp	3	48
Shale blue	12	
Gyp	8	
Shale blue	11	
Gyp	5	
Shale blue	5	
Gyp	10	95
Shale blue	20	115
Gyp	10	130
Gyp	5	135
Lime grey	15	150
White slate	20	170
Shale blue	5	175
Slate blue	20	
Lime shell	5	
Slate blue	20	
Lime	5	225
Slate blue	35	260
Slate	10	
Lime	10	
Slate blue	10	
R.R.	5	295
"	25	
Slate blue	5	325
Slate	10	335
"	50	385
"	5	
Broken lime	10	
Slate blue	5	
Water sand	3	
Lime	27	475
" grey	1.5	
Shale blue	5	
Lime grey	15	
Shale blue	5	
R.R.	20	
Lime	10	485
Shale blue	15	510
Lime grey	10	535
Sand & Lime	25	
Sandy lime	5	
Water sand	8	

spotted here.

	Thickness	T.D.
Lime	2	550-12 BW.
"	20	570 at 540
"	5	575-8 1/2 - 553
Slate blue	15	590
Lime white	10	
Shale blue	5	
Lime	30	
Slate white	18	645
"	5	
Lime	10	660
" grey	20	
Shale	5	685
Slate	5	
Lime	10	
R.R.	25	725
"	10	
Shale blue	15	750
R.R.	10	
Lime white	20	
Sandy lime	15	795 gas at 785
"	15	
Lime	5	815-6 5/8
" grey	15	
Shale blue	25	855 Little gas at 825 and 840
"	5	
Lime white	40	900
Broken lime	40	
Shale blue	20	
Lime grey	5	965
"	50	
Lime sh. breaks	20	1035
Broken lime	55	
Shale blue	20	1110-3 BW at 1050
Slate & lime	65	
Lime	5	1180
"	10	

(over)

	Thickness	Total Depth
Shale	45	
Lime grey	10	1245
" "	5	
" "	35	
Slate blue	15	1300
Lime grey	10	
Rock P. Pink	5	
Shale blue	10	
Lime grey	20	
OP R.	5	
Lime	5	1355
" "	10	
Slate blue	30	1415
Sandy shale	10	
Shale blue	20	1450 little water 139
Lime grey	15	
" "	5	
Slate blue	20	1475
Shale "	25	1480
mistake of 20' in hole		
Shale blue	3	1483
Lime	5	1492 5-9/16 " 1490'
Gas sand	1	1493
" "	7	1500

6615

S. W. DUNCAN #1.
 C NE 1/4 15-35-2 East,
 SUMNER COUNTY, KANSAS.

Plotted

Comm. 3/26/19
 Comp. 5/11/19.

Soil	3	
Clay	13	
Shale	18	
Gyp	26	
Shale	45	
Gyp	48	
Shale	65	
Gyp	95	
Shale	115	
Gyp	135	
Lime	150	
White slate	170	
Shale	175	
Lime shells	200	
Lime	225	
Slate	260	
Red rock	295	
Slate	385	
Broken lime	400	
Lime	510	
Sand and lime	535	
Lime	575	12 BW at 540'
Slate	645	8 1/4" at 553'.
Lime	660	
Shale	685	
Red rock	725	
Shale	750	
Grey sand and br. lime	795	Little gas at 785'.
Lime	815	Little gas 825-840.
Shale	855	
White lime	900	
Grey lime	965	
Lime with shale breaks	1035	
Black shale	1110	
Lime	1180	
Grey lime	1245	
Black shale	1300	
Lime	1355	
Grey sandy shale	1415	
Grey lime	1450	Little water at 1395'
Black shale	1475	
Shale	1480	
Black shale	1483	
Lime	1493	
Gas sand	1493	
Gas sand	1500	5 3/16" at 1490'