

WELL LOG BUREAU; KANSAS GEOLOGICAL SOCIETY
BITTING BUILDING, WICHITA, KANSAS

CASING RECORD

LOCATION Cen S¹/₄ NE 4

SEC 25 T 16 R 17

10"
20" 8 1-4
15 1-2 6 5-8
12 1-2 5 3-16

FARM Bethell NO. COUNTY
COMPANY Empire Gas & Fuel Co.
CONTRACTOR
COMMENCED Dec. 28, 1923 COMPLETED Fe. 1, 1924



TOTAL DEPTH SHOT QUARTS BETWEEN
CORRESPONDENCE REGARDING THIS WELL SHOULD BE REFERRED TO

ELEVATION 1048'

FIGURES INDICATE BOTTOM OF FORMATIONS

INITIAL PRODUCTION

REMARKS

Formation	Depth	Formation	Depth	Formation	Depth
soil, black, soft	5	shale, black, soft	900		
sand, yellow soft	15	lime, white, hard	905		
shale, black, soft	25	shale, light, sft	945		
lime, white, hard	35	shale, dark, soft	950		
sandy shale, light soft	70	shale, white, soft	1025		
shale blue soft	72	(8 1/4" csg. 1000')			
shale, black, soft	77	shale, blue, soft	1030		
shale light soft	100	shale, light, sft	1110		
sand white, soft	120	shale, blue, hard	1115		
shale white soft	130	shale, dark, hard	1135		
sand white, soft	170	shale, white, hard	1145		
shale light soft	175	shale, dark, hard	1160		
sand white soft	210	sandy shale, white hard	1165		
shale light sft.	240	sand white hard	1178		
sand white soft	305				
lime white hard	325	ashed out little oil			
shale black soft	335	shale light soft	1200		
shale light soft	345	broken sand white hard	1205		
(10" csg 335')		shale, light, soft	1217		
lime, white, hard	380	sand, dark, hard			
sand, white hard	385	broken	1235		
shale blue soft	400	(Gas)			
shale light soft	495	gassand grey hard	1241.6 Mil. Ft.		
lime grey hard	530	dry gas.			
shale dark soft	535				
red rock soft	540				
shale light soft	545				
lime, white, hard	550				
shale dark soft	560				
shale blue soft	575				
lime, white, hard	595				
shale, blue soft	605				
lime, white, hard	610				
shale, blue hard	612				
lime, white, hard	675				
shale, dark, soft	790				
shale, white, hard	805				
shale, blue soft	820				
sandy shale, light soft	830				
lime, white, hard	843				
shale, blue soft	848				
shale, light, sft	880				
shale, dark, soft	885				
shale, light, sft	890				

Little water.

Plotted
R.S.

Empire Gas & Fuel Co

W R BETHELL NO. 1-

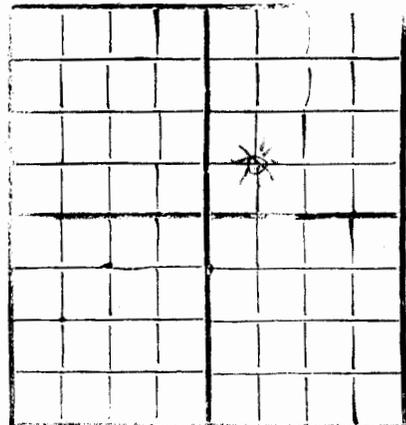
Completed as desc of Pomona field, Feb 1, 1924

Section 25-16s-17e-, Franklin County, Kansas

Plotted

Soil, blk	5'	shale, sdy. lgt.	1165
Sand	15	sandm wht	1178
shale, blue	25	shale, lgt	1200
lime wht	35	sand brn	1205
sandy shale, lgt	70	shale, lgt	1217
shale blk	72	sand brkn, drk	1235
shale, blue	77	sho. gas 6M. cu. ft. gas	
shale, lgt	100	sand gray hard	1241 'TD
sand wht	120		
shale, wht	130		
sand white	170		
shale, lgt	175		
sand wht	210		
shale, lgt	240		
sand wht	305		
lime wht	325		
shale, blk	335		
shale, lgt	345		
lime, wht	380		
sand wht	385		
shale, blue	400		
shale, lgt	495		
lime, gray	530		
shale, drk	535		
red rock	540		
shale, lgt	545		
lime, wht	550		
shale, drk	560		
shale, blue	575		
lime	595		
shale, blue	605		
lime white	610		
shale, blue	612		
lime white	675		
shale, drk	790		
shale, wht	805		
shale, blue	820		
sandy shale, lgt	830		
lime, wht	845		
shale, blue	848		
shale, blue	880		
shale, lgt. blue	885		
lime	905		
shale, lgt	945		
shale, drk	950		
shale, wht	1025		
shale, blue	1030		
shale, lgt	1110		
shale, drk hard	1135		
shale, drk soft	1160		

IP. 6,000,000 cuft gas
400' #5 rock pressure



Sec. _____
Twp. _____
Rge. _____
Elev. _____
Cmptd. _____

25-17-16E
25-16S-17E

Empire Gas and Fuel Co. Bethel, No. 1. Elev. 1048
 Log of Bethel Well, Centre of S. W. $\frac{1}{4}$ of N. E. $\frac{1}{4}$. Sec. 25-17-16. Commenced, Dec, 28th,
 1923, Completed, Feb, 1st, 1924. Elevation, 1048 ft. Total Depth, 1241.

Formation	Total Depth	SW NE 25-16-17E
soil, black, soft	5	
sand, yellow, soft	15	
shale, black	25	
lime, white hard	35	
sandy shale, soft	70	
blue shale "	72	
black shale "	77	
light shale "	100	
white sand "	120	
white shale "	130	
white sand "	170	
light shale "	175	
white sand "	210	
light shale "	240	
white sand "	305	
lime white Hard	325	
black shale soft	335	
light shale "	345	
white lime hard	380	
white sand, "	385	
blue shale soft	400	
light shale "	425	
lime very hard	530	
dark shale soft	535	
red rock "	540	
light shale "	545	
white lime hard	550	
dark shale soft	560	
blue shale "	575	
white lime hard	595	
blue shale shale	605	
white lime hard	610	
blue shale "	612	
white lime "	675	
dark shale soft	790	
white shale hard	805	
blue shale soft	820	
sandy shale "	830	
white lime hard	843	
blue shale soft	848	
light shale "	880	
dark shale	885	
light shale	890	Little Water
white lime hard	905	
light shale soft	945	
dark shale "	950	
shale "	1025	
blue shale "	1030	
light shale "	1110	
dark shale "	1165	
white sand hard	1178	
light shale soft	1200	
broken sand hard	1217	
sand dark broken, hard	1235	
Gas sand Gray hard	1241	
Total Depth		

disc. of
 Pomona gas field

Gas
 6 Million feet, dry gas
 Rock Pressure, 400 Pound