

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY

Gift of
W. L. Stryker Estate
State Geological Survey of Kansas
1970

INDEPENDENCE, KANSAS

LOG OF WELL

Company Empire Gas & Fuel Co Farm Mary Sparks Well No. 1
Mary Sparks
 State Kansas County Cowley S. 26 T. 33 R. 4
 Commenced Drilling 5-4-17 Completed 7-17-17 Elev. _____
 Shot _____ Qts. from _____ to _____ I. P. Very R. P. _____
 Casing: _____ Casing: _____ Casing: _____
 Casing: _____ Casing: _____ Casing: _____
 Tubing _____ Caged at _____ Packer at _____
 Contractor _____

soil	3	shale	594
clay	53	lime	615
sand	50	shale	635
lime	80	lime	650
sand	95	sand	30
lime	130	shale	685
slate	150	lime	690
rock	155	shale	710
lime	166	lime	714
shale	172	shale	739
lime	181	lime	743
lime	184	shale	755
rock	189	slate	760
lime	224	shale	780
lime	238	lime	787
rock	250	slate	796
lime	265	lime	818
slate	283	shale	825
lime	292	lime	830
lime	303	shale	886
shale	308	lime	892
lime	325	shale	909
lime	344	lime	933
lime	357	sand	939
shale	360	slate	959
lime	363	lime	982
shale	367	shale	985
rock	390	lime	1002
shale	400	rock	1005
rock	429	lime	1020
lime	431	sand	1026
shale	444	shale	1030
lime	488	sand	1041
slate	493	shale	1065
lime	563	lime	1073
slate	568	shale	1095
lime	578	lime	1126
slate	581	slate	1130
lime	590		

(over)

003581

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY

LOCATION

.....Ft. from North Line of qr. sec.

.....Ft. from South Line of qr. sec.

.....Ft. from East Line of qr. sec.

.....Ft. from West Line of qr. sec.

26-33-4E
page 2

TEST

Through	Pitot Tube Test of 192.....			 192.....
	Used	Mercury	Water	
...In. Tubing	Reading			Open Gauge Test Shows
...In Casing	Vol. Cu. Ft.			Lbs.

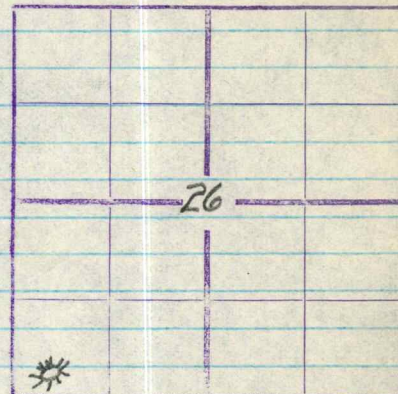
lime	1145
slate	1155
lime	1180
slate	1200
sand	1215
lime	1225
shale	1270
lime	1315
shale	1319
lime	1331
shale	1345
lime	1368
shale	1375
shale	1391
lime	1409
shale	1416
lime	1436
slate	1470
shale	1500
lime	1505
slate	1508
sand	1530
slate	1535
lime	1541

Total Depth.

Cowley Co. Kas.

7292

Sec. 26 Twp. 33 Rge. 4
 Farm Mary Sparks No. 1
 Empire Gas & Fuel Company
 Elev. T. D. 1541
 Log No.



sil	3	li	787
clay	33	sl	796
sd	50	li	818
li	80	sh	825
sd	95	li	830
li	130	sh	846
sl	150	li	892
Rock Red	155	sh	909
li	166	li	933
sh	176	sd	939
li	181	sl	950
sh	184	li	982
Rock	185	sh	985
li	244	li	1002
li	238	Rock R	1005
Rock R	250	li	1020
li	265	sd	1026
sl	283	sh	1031
li	292	sd	1041
li	303	sh	1065
sh	308	li	1073
li	323	sh	1095
li	344	li	1126
li	357	sl	1130
sh	360	li	1145
li	363	sl	1155
sh	367	li	1180
Rock R	390	sl	1200
sh	400	sd	1215
Rock R	429	li	1225
li	431	sh	1270
sh	444	li	1315
li	488	sh	1319
sl	493	li	1331
li	563	sh	1345
sl	568	li	1368
li	578	sh	1375
sl	581	sh	1391
li	590	li	1409
sh	599	sh	1416
li	615	li	1436
sh	635	sl	1470
li	650	sh	1500
sd	660	li	1505
sh	665	sl	1508
li	690	sd	1530
sh	710	sl	1535
li	719	li	1541, TD
sh	739		
li	743		
sh	755		
sl	760		
sh	780		

P/.

Mary Sparks. No. 1.

Section 26, Township 33, Range 4 East.

Cowley County, Kansas.

Swc Sw

-A- Empire Gas & Fuel Company.

Soil	black	soft	3	3
Clay	light	soft	30	33
Sand	gray	hard	17	50
Lime	white	hard	30	80
Sand	gray	hard	15	95
Lime	white	hard	35	130
Slate	black	soft	20	150
Rock	red	soft	51	155
Lime	white	hard	11	166
Shale	black	soft	6	172
Lime	white	hard	9	181
Shale	black	soft	3	184
Rock	red	soft	5	189
Lime	white	hard	35	224
Lime	white	hard	14	238
Rock	red	soft	11	250
Lime	white	hard	15	265
Slate	black	soft	18	283
Lime	white	hard	9	292
Lime	white	hard	11	303
Shale	blue	soft	5	308
Lime	white	hard	17	325
Lime	white	hard	19	344
Lime	white	hard	13	357
Shale	blue	soft	3	360
Lime	black	hard	3	363
Shale	black	soft	4	367
Rock	red	soft	23	390
Shale	blue	soft	10	400
Rock	red	soft	29	429
Lime	white	hard	2	431
Shale	white	soft	13	444
Lime	black	soft	44	488
Slate	white	soft	5	493
Lime	white	soft	70	563
Slate	black	soft	5	568
Lime	black	hard	10	578
Slate	black	soft	3	581
Lime	black	hard	9	590
Shale	light	soft	4	594
Lime	dark	hard	21	615
Shale	white	soft	20	635
Lime	dark	hard	15	650
Sand		soft		30
Shale	black	soft	5	685
Lime	white	hard	5	690
Shale	white	soft	20	710
Lime	white	hard	4	714
Shale	white	soft	25	739
Lime	white	hard	4	743
Shale	white	soft	12	755
Slate	black	soft	5	760
Shale	sandy	soft	20	780
Lime	dark	hard	7	787
Slate	dark	soft	9	796
Lime	dark	hard	22	818
Shale	dark	soft	7	825
Lime	dark	hard	5	830
Shale	dark	soft	56	886
Lime	white	hard	6	892
Shale	white	soft	17	909
Lime	dark	hard	24	933
Sand	gray	soft	6	939
Slate	black	soft	11	950
Lime	white	hard	32	982
Shale	dark	hard	3	985

680

Mary Sparks. No. 1.

-B-

Lime	white	hard	17	1002
Rock	red	soft	3	1005
Lime	white	hard	15	1020
Sand	red	hard	6	1026
Shale	dark	sft	5	1031
Sand	gray	soft	10	1041
Shale	dark	soft	24	1065
Lime	dark	hard	8	1073
Shale	black	hard	22	1095
Lime	white	hard	31	1126
Slate	black	hard	4	1130
Lime	white	hard	15	1145
Slate	white	soft	10	1155
Lime	black	hard	25	1180
Slate	white	soft	20	1200
Sand	white	soft	15	1215
Lime	white	hard	10	1225
Shale	black	sft	45	1270
Lime	white	hard	45	1315
Shale	black	sft	4	1319
Lime	dark	hard	12	1331
Shale	blue	soft	14	1345
Lime	brown	hard	23	1368
Shale	black	soft	7	1375
Shale	white	sft	17	1391
Lime	brown	hard	18	1409
Shale	white	sft	7	1416
Lime	white	hard	20	1436
Slate	gray	soft	34	1470
Shale	brown	sft	24	1500
Lime	white	hard	5	1505
Slate	white	soft	3	1508
Sand	white	soft	22	1530
Slate	blue	soft	5	1535
Lime	white	hard	6	1541

Total Depth.