

Company Borders, Gatton, and Kasper

Sec. 33 T. 13 R. 22 E
Loc. 325' N of No. 1 & 75' W

Farm Katha

No. 3

33-13-22E

Total Depth 370

Comm. 10/17/40

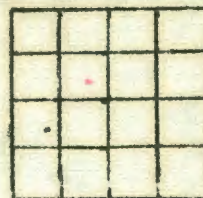
Comp. 10/29/40

Shot or Treated

Contractor J. G. Gatton & Son

Issued

County Johnson



Casing

20 in.

10 in.

15 1/2

8 1/4

12 1/2

6 5/8

13 3/8

5 3/16

Elevation 955 ± HL 953.8 FT

Production

Figures Indicate Bottom of Formation

soil and clay	3	
lime, boulders, and clay	10	
shale grey	20	
lime	32	
shale grey	35	
lime	36	
shale grey	45	
lime	50	
shale grey	53	
lime	80	
shale	81	
lime	121	
shale grey	163	
lime	174	
shale grey	184	
lime sandy	185	
lime grey hard	199	
shale grey	212	
lime	236	
shale grey	240	
lime	242	
shale and slate	245	
lime hard	259	
shale	260	
lime	276	
shale dark slatey	281	gas show
lime	305	water
black slate	309	gas & water
lime	313	
shale	315	
lime	323	
shale grey	327	
sand hard	332	
shale grey	350	
sand	352	gas 16,848
sand	360	gas 76,080
sand, some shale	365	no inc.
shale	370	

T. D.

33-13-22E

SAGAMORE OIL AND GAS COMPANY

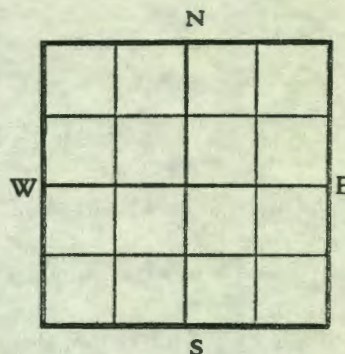
INDEPENDENCE, KANSAS

Company **P. J. Kasper, Trustee**

S. T. R. 33-13-22

County **Johnson**State **Kansas**Lease and Well No. **Kaths ~~12~~ #3**Contractor **J. G. Gatten**Drilling Commenced **10/17/1940**Drilling Completed **10/29/40**Initial Production **82,680**Initial Rock Pressure **108#**Location **475' from South line and 175' from East line.**

Casing



Driller's Record of Formations

soil	3	3
lime bld. & clay	7	10
gray shale	10	20
lime	12	32
gray shale	3	35
lime	1	36
gray shale	13	49
lime	1	50
gray shale	3	53
lime	27	80
shale	1	81
lime	40	121
gray shale	42	163
lime	11	174
gray shale	10	184
lime sandy	1	185
lime	14	199
gray shale	13	212
lime	24	236
gray shale	4	240
lime	2	242
shale and slate	3	245
lime	14	259 water
shale	1	260
lime	16	276
shale dark	5	281 gas show water
lime	24	305
black slate	4	309 gas, water
lime	4	313
shale	2	315
lime	8	323
gray shale	4	327
sand hard	5	332
gray shale	18	350
sand	3	353 SLM + Gas bubbles
sand gas	2	355 16,848 feet
sand gas	5	360 76,080
shaley sand no gas	5	365 no increase
gray shale	5	370 T.D.

Openflow test in 1" water test

5 min.	5"	82,680
10 "	4.4"	76,080
15 "	4.4"	76,080

Pressure Test in 2" tubing

1 min.	50#
5 "	90#
10 "	97#
15 "	100#

20' of 2" anchor to center of 14"
6 1/4" packer rubber.

2" x 6 1/4" x 14" Excec Dodge cast iron
Packer

Shut in Rock Pressure 108#