

SAGAMORE OIL AND GAS COMPANY

INDEPENDENCE, KANSAS

33-13-225

Company P. J. Kasper, et al.

S. T. R. 35-15-22

County Johnson

State Kansas

Lease and Well No. Hammer #1

Contractor Gatton, J. G.

Drilling Commenced 6/15/40 - 7/10/40

Drilling Completed 6/26/40

6/26/40

6/26/40

Initial Production

Initial Rock Pressure

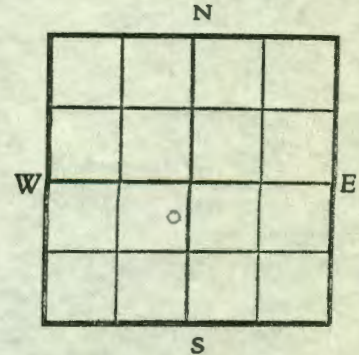
Location 325' West and 915' South of NE corner SW 1/4

Casing

SE NE SW

1805-FSL

2956-FEL



Driller's Record of Formations

soil	4	4	sand	22	442 ?
clay boulders	9	13	shale sandy	15	457
shale blue	4 1/2	17 1/2	lime sandy	11	468
lime hard	7 1/2	25	shale gray	16	484
shale gray	4	29	shale dark gray	4	488
lime broken	3	32	shale gray	8	496
shale sandy	5	37	lime	5	501
lime hard	12	49	limoy sand hard	8	509
shale green	4	53	shale gray & sdy	5	514
red rock	2	55	limoy shale	5	519
shale gray	14	69	lime	6	525
lime hard (Iola)	28	97	shale gray	4	529
shale	1	98	lime	4	533
lime	39	137	shale	5	538
shale dark gray	44	181	lime	13	551
lime Raytown	12	193	shale	10	561
shale gray	10	203	lime	4	565
lime sandy	3	206	slate black	2	567
lime hard	14	220	shale black	1	568
shale gray	5	225	sand limoy	8	576
lime	1	226	lime gray hard	6 1/2	582 1/2
shale	2	228	shale gray	3 1/2	586
lime	30	258	red rock	2	588
shale	3	261	shale	8	596
lime black	3	264	lime	3	599
lime and flint	15	282	slate	2	601
lime gray	15	297	lime sandy	14	615
shale black	6	303	shale gray	5	620
lime	23	326	sand	5	625
slate black	3	329	shale gray & sdy	28	668
shale black	1	330	shale gray sticky	6	674
lime	4	334	shale and slate	6	680
shale dark	4	338	shale gray & sdy	9	689
lime Hertha	7	345	sand broken	6	695 T. D.
shale gray	23	368			
sand Knottown	16	384			
shale	8	392			

U.G.S. Form 186

33-13-22-E

Company F. J. Kasper - Trustee

Sec. 33 T. 13 R. 22 E

Farm Hammer

No. 1

Loc. NE SW

915' 900' fr. N. line

325' 300' fr. E. line

County Johnson

Plotted OK

Total Depth 695

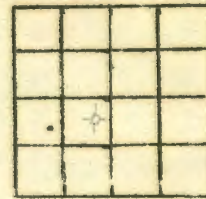
Comm. 6-18-40

Comp. 7-24-40

Shot or Treated

Contractor

Issued



SE NE SW
1805-FEL
2956-FSL

Casing

20 in.	10 in.
15 1/2	8 1/4
12 1/2	6 5/8
13 3/8	5 3/16

Elevation 967

Production D. & A.

Figures Indicate Bottom of Formation

surface soil	4	lime	501
clay boulders	13	limey sand hard	509
blue shale	17 1/2	grey sandy shale	519
lime grey hard	25	lime	525
shale grey	29	shale grey	529
lime grey broken	32	lime	533
shale grey sandy	37	shale grey	538
lime grey hard	49	lime	551
shale green sandy	53	shale grey	561
red bed	55	lime	565
shale green-gray	69	slate black	567
lime grey hard	97	black shale	568 Gas 18,000
shale grey	98	sandy limey hard	576
lime	137	lime grey hard	582 1/2
shale drk grey sticky	181	grey shale	586
lime	193	red bed	588
shale grey	203	shale	596
sandy lime	206	lime	599
hard lime	220	slate	601
shale grey	225	sandy lime	615
lime	226	sandy shale grey	620
shale grey	228	sand	625
lime	258	sandy shale grey	657
shale grey	261	grey shale sticky	668
lime	264	lime, flint, sand, slate	674
shale grey	267	black shale-slate	680
lime & flint	282	grey shale sandy	689
lime	297	sand broken.	695
shale grey & slate	305 303		
lime B.F.	326	Total Depth.	
black slate	329		
dark shale	330		
lime	334		
shale dark	338		
lime Hertha	345		
grey shale	368		
sand	384 Gas 5,000		
grey shale	392		
sand	414		
grey shale sandy	442		
grey shale	457		
grey sand & lime hard	468		
shale grey	496		