

Company E. L. Study & H. L. Turner Well No. 1-A Farm Haury "A"
 Location NE SW Sec. 1 T. 23 R. 4W
 Elevation _____ County Reno State Kansas
 Drig. Comm. June 21, 1930 Contractor _____
 Drig. Comp. Sept. 16, 1930 Acid _____
 T. D. _____ Initial Prod. _____

DEEPENING RECORD 10-23 to 11-3-31:

Before drilling deeper gauged 19 million cubic feet open flow test after flowing open 6 hours, before deepening. Light spray of oil at 3333', old total depth.

Deepened to 3359', oil and gas gradually increased. An open flow test showed approximately 24 million cubic feet of gas and oil was estimated at approximately 100 bbls.

Deepened to 3364' with an increase in oil and gas. Deepened to 3368' with an increase in oil and gas. 3368' Total Depth.

An open flow test at 3368', present total depth, showed approximately 26 1/2 million cubic feet of gas and oil was roughly estimated at around 400 to 500 bbls. It is believed one-half of the increase came from 3364 to 3368', T. D.

DEEPENING RECORD:

Drilled deeper from 3368' to 3375' in cherty lime Dec. 15, 1937.

350' oil and water, 4 hours - 1/2 oil and 1/2 water.

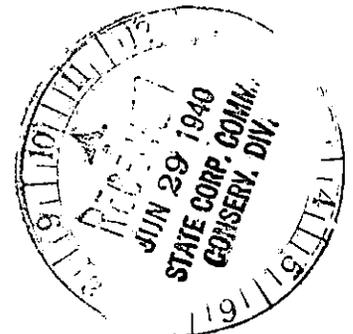
Lost dump bailer full of cement in hole, drilled up dump bailer and cement to 3368', present Total Depth.

Acidized with 3000 gals. Dowell X.

60 bbls. oil and 130 water.

Production before above work: 35 bbls. oil and 7 water.

PLUGGING
 FILE NO. 1 23:4W
 LOOK PAGE 107 LINE 32



lime 2950
 broken lime 2983
 slate 2993
 red rock 2995
 lime 3000
 shale 3010
 lime 3018
 slate 3026
 sdy lime 3028
 show of gas 3026-28
 sdy lime 3031
 shale blue 3045
 lime 3065
 red rock 3075
 lime 3100
 shale blk 3103
 lime 3115
 shale blue 3135
 lime 3137
 shale blk 3150
 lime 3155
 shale 3170
 lime 3173
 slate 3180
 shale Hole caving 3185
 V.r. col shale 3204
 lime 3206
 Var. col shale 3246
 red rock 3254
 chat 3263
 Miss lime 3298
 chat 3333
 Total Depth.
 1st gas 3300-3303 2 1/2 Million cu ft.
 16,000,000 cu ft 3320-3326
 23,000,000 cu ft 3326-3333

DEEPENING RECORD.

Old T.D. 3333
 Comm. 10-30-31 Comp. 10-31-31
 Prod. 26 1/2 M. Gas Est 500 B. Oil.
 cherty lime 3368.
 Total Depth.
 3333- open 3 1/2 hrs 19 M. cu ft gas.
 3359 ft tested 24 M. cu ft.
 oil and gas increased 3333-3359
 Best pay 3359-3368
 half of best pay 3364-68
 tested 26 1/2 M. gas est 500 B.O. at 3368.

Top of chat 3256
 show gas and S.S.O. 3301
 Inc. to 500 M. at 3314
 Inc. to 1000 M. at 3315
 5 to 6000 M. at 3320
 11,000 M. at 3325
 15,000 M at 3330
 23,000 M at 3333.
 analysis showed 18.3 grains H2S per 100
 chat 3254-3263 cu ft gas.
 lime 3263-3298
 chat 3298-3333

2 1/2 M. Gas 3300-3303
 16 M.G. 3320-26
 23 M.G. 3326-3333

Oil prod- Ran 3" tubing and well
 flowed 15 bbls per hr 1st 4 hours.

OPEN TEST FLOW Dec 11, 1930.

Pounds 325.4
 12.5 148.3
 -177.2

Volume 24,290 M.

1 Min Pres. 290
 2 Min pres 450
 3 Min pres 600
 4 Min pres 730
 5 Min pres 830
 10 Min pres 1065
 15 Min pres 1110

Working pressure 890 #

DEEPENING RECORD.

Cities Service Oil Co.
 Comm. 12-10-37 Comp. 12-15-37
 Prod. Pot. 60 B.O., 130 Wtr
 cherty lime 3368 - 3375
 Total Depth.
 350' oil and wtr 4 hrs.
 1/2 oil 1/2 wtr
 Lost dump bailer full cement in
 hole. drilled up dump bailer
 and cement to 3368 Pres. T.D.
 Acidized with 3000 gal acid.
 60 bbls oil and 130 bbls wtr.
 Prod. before above work, 35 bbls
 oil and 7 wtr.