

FORMATION	TOTAL FEET	TO-	FROM-

—O.I.

TOTAL FEET

FORMATION

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

ACID JOB 3472-3571:
Ran 2" tubing with Guberson packer and loaded to 3568'. Loaded hole with 90 b. l.s. Set packer at 3390'. Spotted 500 Rats. Cardinal acid in open hole 3472-3571'. Pumped acid into formation at 4200# and pressure broke to 4200#. Picked 2" tubing & packer. at max. inf. rate of 12 bbls. per min.

FRACTURE TREATMENT 3472-3571
 Ran 2" tubing to 3430'. Spotted 500 gals. acid in open hole 3472-3571, pressured up to 3800# and pumped acid into formation with inj. rate of 32.5 bbls. per min. Fractured open hole 3472-3571 with 60,000# sand and 926 bbls. lease oil by Cardinal Chemical Co. Mixed sand 1# per gal. oil at beginning of treatment and gradually increased to 2# sand per gal. oil at end of treatment. Max. pressure 3800#, min. pressure 3500#. Max. inj. rate 32.5 bbls. per min. Time of treatment 40 mins. Flushed with 207 average inj. rate 25 bbls. per min. Shut down pressure 2200#. Left shut in 12 hrs. and pressure dropped to 1200#
 After recovering all load oil flowed 106 bbls. new oil through 3 7/8" choke in 24 hrs. Based on 53 bbls. new oil through 3 7/8" choke in 12 hrs., T.P. 10-20#, C.P. 110#, Shakedown 2/10 of 1% beam.