

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION	<input checked="" type="checkbox"/>	REPORT ON (Other)	

September 27, 1954 Box 547 Santa Fe, New Mexico
(Date) (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Ride Water Associated Oil Company

(Company or Operator)

Clarke Oil Well Service

(Contractor)

(Lease)

Well No. 1 in the 1/4 of Sec. 5

T. 17-S, R. 37-E, NMPM, Undesignated Pool, Santa Fe County.

The Dates of this work were as follows: 8-19-54 to 9-12-54

Notice of intention to do the work (was ~~not~~ submitted on Form C-102 on 8-17-54, 1954, and approval of the proposed plan (was ~~not~~ obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Moved back Vickers Pumping Unit. Pulled rods, pump and tubing. Set back Bridging Plug at 9710'. Put one of cement on top of plug. Perforated 5-1/2" liner at 6500' with 4 holes. Set Halliburton Drillable Retainer at 6170'. Spaced behind 5-1/2" liner with 296 sks., max. press. 2100 psi, reversed out 4 hrs. Found top of cement mantle 5-1/2" liner, with temperature survey, at 6327' down from surface. R.O. 1. 21 hrs. Perforated 5-1/2" liner from 6210-401 with 6 shots per ft. Ran tubing and packer, acid down to 6000'. No fluid entering tubing. Acidized 8/10 gals and oil. 2100 psi. emulsion acid. Injection pressure 2600 psi, no break, swabbed well 30 hrs. recovered oil & gas cut mud and water (water analysis showed average of 27,000 ppm oil, no iron). This water appeared to be that lost in formation while acidizing. Packed tubing and packer, ran rods and tubing, set portable pumping unit and began pumping oil on 9-2-54. In 5 days pumped 533 B and no oil. (water analysis showed an average of 25,500 ppm oil, very strong sulphur content, no iron). This analysis shows no similarity to known analysis of formation water from the Padlock or San Andres zones. This check very closely with known analysis of formation water from the Abilene zone. This is a

Witnessed by: W.E. Scott (Name) RIDE WATER ASSOCIATED OIL COMPANY (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

J. Stanley
(Name)
(Title)
(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name: *H.P. Stanley*
Position: District Agent
Representing: Ride Water Associated Oil Co.
Address: Box 547 Santa Fe, New Mexico

that there was not a complete shut off, below the perforations open (6210-80'). Ran HOFCO Drillable Retainer and set @ 6250'. Increased sandbarnum 6210-80' with 250 sks max. press. 4000 psi. RCT 40 hrs. After drilling retainer, bit went to 6250'. Found stringers of cement down to 6200', which is not an oil perforations. It looked like cement definitely went down but the water was coming from Abo section. Pulled tubing and bit, re-set tubing to 6200' packer at 5875' and holddown immediately above this. Swabbed tubing, etc.

Let set 12 hours. Found fluid level at 5000'. Swabbed dry, no oil. Swabbed for 10 hrs., made 1 run with swab each hr. average fill up per hour was 2 1/2". Average water analysis showed 22,400 FPH SL, no sulfide, fair trace iron, 21 lbs. Well shut in 1 1/2 hours and fluid rose 600'. Acidized 1 1/2 HRS gals using 50 gals Form Gel. Max. Press. 2900%, back to 2400%. Swabbed well during daylight and shut-in over night for 2 days. Fluid level would rise to approximately 3000' during 1 1/2 hr. shut in and tubing pressure would build up to 2400%. During daylight, swabbing would lower fluid level to approximately 5000'. At the end of two days, swabbing recovery was 90% oil, 10% 23 with a slight show of water. Water analysis was 62,400 FPH SL, no sulfide, slight trace of iron, 21 of 6. (Seemed to be spent acid water diluted with formation water). Acidized 1 1/2 HRS gals regular acid using 50 gals Form Gel, max. press. 2750%. Swabbed 16.50 ft (75% oil & 25% water) in one hr., fluid level at 1500'. 13-1/2 hrs. S.I. ending press. was 350%. Swabbed well 8 hrs., last 1/2 hr. swabbed 49.04 BF, 2.66 lbs. of this was water. Shut in 40 hrs., tubing press. 1400%. Flowed well on 3/8" oil for 2 1/2 hrs. and produced 104.53 BF, average grind out was 1 1/2 BS and no water. (First hr. produced 11.68 BF, F.P. 100%; last hr. produced 3.57 BF, F.P. 30%). Due to the rapid drop in hourly rate, it was assumed the well would soon die. Killed well with oil, pulled tubing, removed packer and hold-down. Re-set tubing and set @ 6251'. Seating nipple at 6275'. Ran rods and pump. Well began pumping on 9-22-54. Potential test was taken and calculated on HOF Form G-10h.