

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE N.M. Federal "I" WELL NO. 6
SEC. T. R. COUNTY San Juan
STATE New Mexico FIELD Totah Gallup
A.F.E. NO. 10-755

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

10-14, 15, 16-61 5100 ft Gallup oil well, Devel, San Juan Co, WI 100 pct, Brinkerhoff Drlg Co, contr, mirt, Younger Contr. Co compl loc and road.

10-18-61 Drld on rat hole 18 hrs.

10-19-61 Spud 12 $\frac{1}{2}$ " hole at 9:30 AM 10-18-61, RTD 510 ft, dev $\frac{1}{4}$ deg at 103', $\frac{1}{4}$ deg at 510', circ hole to run 8-5/8" csg.

10-20-61 Drill 12 $\frac{1}{2}$ " hole to 510 ft, set 8-5/8", 24 lbs J-55 csg at 502 ft with 300 sx neat cem plus 2 pct gel & 2 pct CaCl₂, tail in with 100 sx neat cem with 2 pct CaCl₂, PD 10:15 AM 10-19-61, circ approx 100 sx to surf, WOC & nippling up BOPS.

10-21, 22, 23-61 Trip for bit #4 at 2691, made 751 ft in 24 hrs, bit #2 in at 1784, bit #3 in at 2286, dev $\frac{1}{4}$ deg at 2286 ft, drlg 7-7/8" hole.

10-24-61 Drlg at 3430 ft, prog 739 ft, bit #5 in at 3216 ft, dev 1 deg at 3216

10-25-61 Trip for bit #7 at 4126, made 696 ft, dev 1 $\frac{1}{2}$ deg at 3709, bit #5 in at 3216, bit #6 in at 3709.

10-26-61 Drlg at 4570 ft, made 444 ft, wt 9.1 lbs, vis 58, wl 5, dev 1 $\frac{1}{2}$ deg at 4401 ft, bit #8 in at 4401.

10-27-61 Prep to run core barrel at 4980 ft, made 410 ft, lost approx 50 bbl mud at 4972, bit #9 in at 4632, wt 9.1 lbs, vis 65, wl 4.6

10-28, 29, 30-61 Core #1, 4980-98, rec 17 ft of blk laminated shale, no show.
Core #2, 4498-5019, rec 17 $\frac{1}{2}$ ft, incl 8 ft of sand, frac, oil sat, odor 8 $\frac{1}{2}$ ft of sh and shlg sd, core analysis of sand from 5003-11.
Core #3, 5040-71, rec 31 ft, incl 27 ft blk fractured sh, 4 ft sd and shlg sd, ream core hole & drill to RTD 5150, run Schl ES-induction, GR Sonic and Gamma Gamma density logs.

10-31-61 RTD correction from 5150 to 5160, cores shd be corrected as follows:
Core #1, 4990-5008, core #2, 5008-5029, core #3, 5050-5081, ran 5 $\frac{1}{2}$ " J-55 ST&C 14 lbs & 15.5 lbs csg to 5160 ft, used Baker Guide Shoe & flexaflo collar, used 100 sks Incor cem with 4 pct gel, 2 pct CaCl₂ & 12 $\frac{1}{2}$ lbs Gilsonite /sk, followed with 50 sx neat plus 2 pct CaCl₂ & 0.7 pct Halad #9 per sk, plug dn 9:10 PM, ck float held OK, WOC, run 2-3/8" tbg to 5126, released Brinkerhoff Drlg Rig at 8:00 AM 10-31-61 MO rotary rig.

11-1-31 MI Lohmann Oil Well Ser PU, displ wtr in hole with oil.

11-2-61 Spot 250 gal BDA on bottom, pull tbg, run LW-PFC Log, LW 8 ft low to Schl meas, run LW 3 cone frac charge, lost charge at 840 ft, go in hole with "E" gun to push to bottom, stuck "E" gun & pulled line from head at 1140 ft, retrieve "E" gun with tbg, run tbg & 4-3/4" bit, push 3 cone charge to PBTD 5131, pull tbg, run LW 3 cone frac charge, shoot notch at 5017 Schl IES meas, prep to frac.

11-4, 5, 6-61 11-4, treat frac notch with 30,000 gal crude plus 40,000 lbs 20-40 mesh sd followed with 10,000 gal crude with 20,000 lbs 10-20 mesh sd, used 50 lbs adomite /1000 gal oil, BD press 3200 lbs, avg trtg press 2600 lbs, final 2500 lbs, instantaneous SIP 1000 lbs, 1 hr SIP 800 lbs, lack 1444 BLO.
11-5, SI 23 hrs SICP 400 lbs, open to tanks, flow 950 BLO in 24 hrs, lack 464
11-6, flow 300 BLO in 24 hrs, lack 164 BLO, flowing approx 6 BLOPH thru csg, CP 30 lbs, will run tbg when press bleeds-off.

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

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11-7-61

Flow 21 BLO in 4 hrs & died, ran 2-3/8" tbg with disc to 5016 Sch meas, break disc, well commence flowing on 32/64" ck, flow 143 bbl oil in 10 hrs, FTP 50 lbs, PCP 300 lbs, rec all load oil plus 26 BNO, taking 2 1/2 hr pot.

11-8-61

Release Lohmann Well Ser PU at 7:00 AM 11-7-61, flow 135 BNO in 2 1/2 hrs on 32/64" ck FTP 40 lbs, PCP 300 lbs, GOR 650/l.
 Potential test - well complete

ORIGINAL SIGNED BY

CORRECT H. M. Stierwalt HAL M. STIERWALT
 ENGINEER

APPROVED E. H. Ramsey

ORIGINAL SIGNED BY

E. H. RAMSEY

SUPERINTENDENT

OR CHIEF CLERK BY
R. H. SANDER

CLERK BY
J. H. SANDER