

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, LOGGING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE FAULTING LINES, CASING JOBS, 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 Callegos Canyon WELL NO. 122
SEC. 18 T. 28N R. 12W COUNTY San Juan
STATE New Mexico FIELD Totah Gallup
A.P.E. NO. 10-766

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 1-6,7,8-62 605' FNL & 535' FNL of sec 18-28N-12W, San Juan Co, 5600' Gallup, loc compl, MI Arapahoe Drlg Co. Drlg Rig, elev 5572 GL or 5583 Tb.
- 1-9-62 RUMT, will spud today.
- 1-10-62 WOC at 215', made 215', spud 15" hole at 5:00 PM 1-9-62, drill to 215', set 9-5/8" 32.3#, H-40, STAC csg at 210, use 250 sx reg Ideal cut with 2% CaCl2, cire approx 50 sx to surf, job compl 4:30 AM 1-10-62.
- 1-11-62 Drlg at 400', made 175', WOC 24 hrs, nipple up csg hd, test csg to 1000# for 30 min, held OK.
- 1-12-62 Drlg at 1265', made 865', blow out at 644' while making conn, gas ignited and burned canvas, drlg line, wires and hoses on 1 Wankosha WAK eng & other minor damage, 1 man burned around face and neck, exact condition unknown.
- 1-13,14,15-62 Drlg at 2980', made 320', bit #6 in at 2907, dev 1-3/4 deg at 2369, mud 9.4#, vis 32.
- 1-16-62 Drlg at 3550', made 570', bit #7 in at 3084', dev 1-1/4 deg at 3084, bit #8 in at 3415, wt 9.4#, vis 35.
- 1-17-62 Drlg at 3995', made 445', bit #9 in at 3738', dev 1-1/4 deg at 3738, wt 9.5#, vis 43.
- 1-18-62 Drlg at 4335', made 340', bit #10 in at 4017', bit #11 in at 4330', wt 9.6#, vis 48.
- 1-19-62 Drlg at 4750, made 415', bit #12 in at 4658', dev 1/2 deg at 4330', wt 9.7#, vis 60.
- 1-20,21,22-62 Coring at 5409', made 165', drlg & 29' coring in 48 hrs, Core #1 start at 5380, dev 2-2/3 deg at 5380', lost 125 bbl mud at 5380', mix lost cire material, now have full cire, bit #13 in at 4950', bit #14 in at 5263.
- 1-23-62 Coring at 5432, made 23' coring, Core #1, 5380-5414, rec 34', 33 sh w/thin sd streaks, bottom 1' hard tight sand, Core #2 start at 5414, wt 9.7#, vis 70.
- 1-24-62 RTD 5537, going in hole to cond for Schl log, Core #2 5414-5440, rec 26', 6' sand, fractured, w/odor and 20' sh, best 3' of sd have perms of 66, 120 and 7 md and porosities of 12.2, 12.8 & 11.6%, drill to rtd of 5537, lost cire at 5440, lost approx 75 bbl mud, now have full cire,
- 1-25-62 Running 4-1/2" csg, RTD 5537 corrected 7' down hole, cores to be corrected as follows: Core #1 5387-5421, Core #2 5421-5447, ran Schl, EE-Ind & GR Sonic Logs, Schl TD 5537, dev at RTD 5537, 3-1/2 deg.
- 1-26-62 RTD 5537', set 4-1/2" 11.6# J-55 csg at 5537', used Baker Flexiflow Collar & Baker TC Stage Collar, protect pay zone with scratchers & centralizers, 1st stage used 100 sx Incoor cut plus 4% gel followed with 75 sx Incoor cut plus 2% CaCl2, held 1500# for 6 hrs, test csg to 4200# for 30 min, held OK, open stage collar, 2nd stage used 270 sx Incoor cut plus 6% gel thru TC Collar at 1552', cut returns to surf, close stage collar, test csg to 4000# for 30 min, held OK, job compl at 5:30 PM 1-25-62, release Arapahoe Drlg. Co. rig at 9:00 PM 1-25-62.
- 1-27,28,29-62 PSTD 5502' float collar, compl day #2, MI J. P. "Sam" Gibbins Pulling Unit 1-28-62, running 2-3/8" tbg to displ vtr with oil.
- 1-30-62 Prep to frac perf, ran tbg to 5468' new PSTD, displ vtr with oil, pull tbg, ran LW FFO log, LW correlate 2' high to Schl IES, perf 5423-31 with 4 knee shots & 4 "E" bullets per ft, Schl IES meas.

ORIGINAL SIGNED BY

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

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SEC. T. R. 9. COUNTY,

STATE FIELD

A.F.E. NO.

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED

1-11-62 Going in hole w/tbg to cire hole clean, RD FM at 3200', iner to 3800' at 3 1/2 BPM, displ 11,000' ad to fm and press iner to 4000', ad pumps,
2-1-62 Ran tbg & cire hole clean to 5468, well flowed back 30 HLO & died, left open to tank overnight.
2-2-62 Prep to bleed-off press & ek for ad fill-up, spot 250 gal RD acid opposite perf, pull tbg, perf 5427 Schl IES meas with Lane Walls 5-way notch-cutter, Western Co. frac perf with 35,782 gal oil & 21,400' 20-40 mesh ad, used 100' Adomite/1000 gal oil in a 5000 gal pad & 50' Adomite/1000 gal in treatment, initial trtg press 3400', final trtg press 3600', avg inj rate 31.2 BPM, 15 min SIP 1200', SI overnight.
2-5-62 Opened well, bled off 42 HLO, checked ad fillup at 5450', ran tbg to 5461' and tagged ad, well flowed 20 HLO while running tbg, pulled tbg and sand pumped down to 5466', re-ran tbg, set at 5385', swabbed well 4 hrs, ran 42 HLO fluid level at 4800', ad overnite, will swab today.
2-6-62 Swabbed & flowed 273 HLO in 2 1/2 hrs, flowed last 12 hrs, 115 HLO, TP 25, CP 150, lack 1268 HLO.
2-7-62 Flow 101 HLO in 2 1/2 hrs, flowing by heads, lack 1187 HLO, NO J.P. "Bum" Gibbins Pulling Unit, CP 400', TP 0-25'.
2-8-62 Flow 98 HLO in 12 hrs on 32/64" ek, FCP 420', FTP 0-25', lack 1129 HLO.
2-9-62 Flow 101 HLO in 2 1/2 hrs on 32/64" ek, lack 1028 HLO.
2-10,11,12-62 2-10 Flow 115 HLO in 2 1/2 hrs on 32/64" ek, lack 913 HLO, FTP 0-25', FCP 300'.
2-11 Flow 96 HLO in 2 1/2 hrs on 32/64" ek, lack 817 HLO, FTP 0-25', FCP 260'.
2-12 Flow 89 HLO in 2 1/2 hrs, lack 728 HLO, FTP 25', FCP 300'.
2-13-62 Flow 98 HLO plus 3 BW in 2 1/2 hrs on 32/64" ek, lack 630 HLO, FTP 25', FCP 200'.
2-14-62 Flow 80 HLO plus 2 BW in 2 1/2 hrs on 32/64" ek, lack 550 HLO, FTP 25', FCP 200'.
2-15-62 Flow 79 HLO in 2 1/2 hrs on 32/64" ek, lack 471 HLO.
2-16-62 Flow 84 HLO in 2 1/2 hrs on 32/64" ek, 40' TP, 220 CP, lack 387 HLO.
2-17-62 Flow 72 HLO.
2-18-62 Flow 73 HLO.
2-19-62 Flow 74 HLO on 32/64" ek, FTP 40', FCP 220', lack 168 HLO.
2-20-62 Flow 77 HLO in 2 1/2 hrs, lack 91 HLO.
2-21-62 Flow 73 HLO in 2 1/2 hrs, lack 18 HLO.
2-22-62 Flow 77 bbls of oil in 2 1/2 hrs incl 18 HLO & 59 BW, FTP 20', FCP 220', installing separator to take 2 1/2 hr potential.
2-23-62 Flow 67 bbls oil in 2 1/2 hrs, FTP 20', FCP 400', starting 2 1/2 hr potential test.
2-24-62 Flow 68 bbls of oil, no water, in 2 1/2 hrs, FTP 20', FCP 400', GOR 2970, API gravity 38.2 deg at deg F, well complete.

100 TOPS

Paradigton Sand	622'	Point Lookout	3860'
Mistured Cliff	1355'	Manos	4112'
Cliffhouse	2948'	Gallup	5050'
		Lower Gallup	5370'

ORIGINAL SIGNED BY
E. H. RAMSEY

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