

HORSESHOE GALLUP UNIT, WELL #284
Unit "L", Sec. 35-31N-16W
San Juan County, New Mexico

DAILY HISTORY

-18-74	120	WORT - Spudded 12 1/2" hole @ 9 AM 7-16-74. Drld to 120' GL meas. Ran 115' (4 jts) 8-5/8" OD 32# J-55 8VT SH Csg. set at 117' GL w/100 Sx. Cl. A, 2% CaCl2. Cem. Circ. Job comp @ 4:30 PM 7-17-74. Job done w/Surf. hole rig. LOC: Unit L - 2580' f/South & 295' f/West lines Sec. 35-31N-16W, San Juan Co., New Mex. Elev: 5469' GL, ungraded.
7-19 to 7/28/74 7/29/74	376	WOR Drilling w/ water. MI & RU Signal Oilfield Service, Inc. - Contr. Instl'd BOP & nip'd up. Tested BOP & casing @ 700# f/ 30 min, held O.K.. Tag top cmt @ 101'. Started drilling 7-7/8" hole @ 10 p.m. 7/28/74
7/30/74	1292	Drilling Mud: 8.4#, 35 vis. 1/4 @ 300, 1/2 @ 525, 825 & 3/4 @ 1125
7/31/74	1450	TD - logging. 8.6#, 50 vis, 7.2 WL \$17,339. 1° @ 1450'. Core #1, 1378-1402', Upper Gallup, cut 24', rec'd 23.5': 7' gray SS, interbedded w/ shale laminations, good stain & odor, vert frac @ 1379', 1380.5' & 1382.5', bleeding oil, shale laminations occ bldg oil; 3.5' predominately black to dark gray shale w/ occ SS interbedded; 2.5' coarse grained SS w/sh inclusions, bldg oil near inclusions; 2.5' fine grain SS w/ increasing shale inclus'ns, trace oil staining thruout, good odor; 8' interbedded sandy shale, trace amt staining, abundant worm hole type sand inclusions. Drilled to 1450'. Cond'd hole. \$ 17,339
8/1/74	1450	Ran Proximity-Microlog w/cal., Comp Fm Dens log & Dual Ind. Laterolog. LD DP. Ran 46 jts, 4-1/2"OD 9.5# J-55 8Rd R-2 csg w/Bkr guide shoe & float collar, 5 centralizers, 7 scratchers, set at 1449' KB, Cmt'd w/125 sx HWC0 lite and 90 sx Class "B" neat, job comp 2:30 pm 7/31/74. 1 bbl over-displ. plug did not bump, Float held ok. Rel rig @ 3:30 pm 7/31/74
8/2/74	1450	TD - WO completion
8/3/74-8/10	1450	WO completion & install elec. lines.
8/11/74	1450	TD - Prep to drill out cement. MI & RU completion unit. Picked up 2-3/8"OD EUE tubing. Tag top cmt @ 1386'. Pulled out w/ tbgs. SD WO power swivel.
8/12/74	1428	PB - Prep to run pump & rods. Ran 3-7/8" bit & casing scraper on 2-3/8" tbgs. Drld plug & cmt to 1428'. Ran GR-correl & CBL. Perf'd Gallup 1383-1416' (Dens. log meas) w/ 4 jets/ft. Ran 45 jts 2-3/8"OD EUE tubing w/ seating nipple @ 1424'. SDOE.
8/13/74	1428	PB - SI, WO flow line & elec. hook-up. Ran 1-1/2" bore RWAC insert pump on 55 - 5/8" rods, hung well on.
8/14/74	1428	PB - Pumping on test, no ga. Conn flow line & elec. On pump 2 pm 8/13/74.
8/15/74	1428	PB - Pumping for test. Pumped 3 BO & 12 BW in 19 hrs
8/16/74	1428	PB - Shut in, prep acidize. Fluid shot indicated no fluid in hole. None produced last 24 hrs.
8/17/74	1428	PB - Pulled rods & pump. Prep to acidize.
8/18/74	1428	PB - Pumping for test. Circ'd hole w/ 1% D-600 treated water. Spotted 200 gal 15% HCl over Gallup perfs 1383-1416', pld tbgs above perfs, pumped 750 gal 7-1/2% HCl w/ 1/8# benzoic acid/gal followed w/ 750 gal HF acid w/ 1/8# benzoic acid/gal, flushed w/ 1500 gal 5% HCl & 3 BW. Brk @ 300#, acid & flush avg 2.5 EPM @ 150-200#. Ran tbgs, pump & rods. OP 3 pm 8/17/74.