

Field	Horseshoe Gallup		Lease or Unit	Horseshoe Gallup		Well no.	293
Auth. or W.O. no.	337471 & 337480		Title	Drill & Equip. API #30-045-22098			
Loc: 1260 FNL & 1470 FWL, Section 30-T31N-R16W							
Operator	Atlantic Richfield Company					A.R.Co's W.I.	47.0321
Spudded or W.O. begun	Spud	Date	7/25/76		Hour	1:00 p.m.	
Case and depth as of 8:00 a.m.	Complete record for each day reported						
7/25/76		Prep MI. Rd & loc compl. Aztec Well Servicing Co. - Contr.					
7/26/76	141	WOC. Spud 12-1/4" hole @ 1:00 p.m. 7/25/76. Drld 12-1/4" to 141'. Ran 3 jts, 127.20', 8-5/8" OD 24# K-55 8rd ST&C N csg set @ 140'KB, cmt'd w/120 sx Class "B" w/2% CaCl, cmt circ'd, PD @ 12:30 a.m. 7/26/76. Bkr shoe, 2 centralizers. \$ 7,974					
7/27/76	670	Drlg sh. Drlg w/wtr. 1/4" @ 122 & 422'. 90 RPM, 30M#. B#2, 7-7/8" Smith, DGT, in @ 141', 529' in 29 hrs. WOC. Nipped up, instl'd BOP. Tstd BOP & csg @ 80 f/30 min, held OK. Started drlg out 7 p.m. 7/26/76.					
7/28/76	1500	Plg out to log. 1/2 @ 750' & 1050', 1 @ 1331'. 90 RPM, 30M#. Mud 9.0#, 38 vis. B#2, Smith, DGT, 141-1331', 1190'. B#3, Smith, rerun, 1331-1500', 169'. Drld to 1500', circ'd & cond'd hole. \$ 20,288					
7/29/76	1500	TD - WOC. POH. Dresser-Atlas ran IES w/GR (WLTD 1504') LD DP & DC. Ran 47 jts 5-1/2" OD 14# K-55 ST&C 8rd SH csg, set @ 1500'KB, cmt'd w/150 sx B-J Light 2/10# gilsonite/sx, followed w/75 sx neat, gd circ to surf, PD 6:30 p.m. 7/28. Set slips w/22M#. Rig Rel 7:30 p.m. 7/28/76. Bkr float & shoe. 4 centralizers 7 scratchers. \$ 29,668					
7/30/76	1500	TD - WOC					
7/31/76	1500	TD - WO compln					
8/01/76	1500	TD - WO compln					
8/02/76	1500	TD - WO compln					
8/03/76	1500	TD - WO compln					
8/04/76	1500	TD - WO compln					
8/05/76	1500	TD - WO compln					
8/06/76	1500	TD - WO compln					
8/07/76	1500	TD - Prep to log, perf & frac. MI & RU Farmington Well Service. MI & filled frac tanks. \$ 29,668					
8/08/76	1470	PB - SD a/c Sunday. Ran 2-7/8" tbg to 1470'. Circ'd hole w/inj wtr w/1% D-600. Swbd dn to 1000', pld tbg. Ran GR-Correl log. Perf'd Lower Gallup 1424-36' (IES) w/4" carrier gun, 2 shots/ft. RU Western Co. & frac perfs 1424-36': 2000 gal pad w/110 gal S-235 scale inhib, 4000 gal w/ 1/2# 20-40 sd/gal, 6000 gal w/1# 20-40 sd/gal, 28000 gal w/2# 20-40 sd/gal, 1100 gal flush w/inj plt wtr. Frac fluid: injection plt wtr w/20# Guar Gum & 25# silica flour per 1000 gal. Brk @ 3200#, avg trtg press 2000#, AIR 21.5 BPM, min & final 1900#, 1SD 1000#, 15 min SIP 900#, job compl 4:30 p.m. 8/7/76. Started back flw 5:45 p.m. 8/7. Flwd back 470 BL in 13 hrs, -506 BL. \$ 30,896					
8/09/76	1470	PB - SD a/c Sunday. Prep sd pump & swab. Flwd 158 BL w/sml amt O & G. -348 BL. Work on F.L. \$ 44,521					
8/10/76	1470	PB - Prep to run rods & pmp. CO 50' sd w/sd pump to 1470'. Ran 2-7/8" OD EUE tbg w/seating nipple, landed tbg @ 1454'. Swbd to frac tank. Swbd 74 BLW & 6 BO in 2 hrs, 80 bbl, -268 BL. SDON. \$ 44,521					
8/11/76	1470	PB - Laying flw line. POH w/tbg & SN. CO 2' sd. Ran 45 jt 2-7/8" tbg w/ 2-1/2 x 2-1/4 tbg pmp, btm pmp 1439', ran 2-1/4" plunger on 55 - 7/8" rods, clamped well off. \$ 45,221					
8/12/76	1470	PB - Working on flw line. Electrician completed elect work. Set pmpg unit & working on flw line. \$ 45,721					
8/13/76	1470	PB - Pmpg f/test. Finished conn flw line. Started pmpg f/test 3 p.m. 8/12/76.					
8/14/76	1470	PB - COMPLETED OIL WELL 8/14/76. Pmpd 54 BO & 338 BW in 24 hrs f/Lower Gallup perfs 1424-36', 2-1/4" bore pmp, 14 - 64" SPM. 42° gty. \$ 45,721					