

## DEVELOPMENT WELL

APC No. 21

DATE: February 13, 1981

ANADARKO PRODUCTION COMPANY  
Daily Well Work Report FormNew Well ☐Conversion ☐Workover ☐Plugging ☐

| Flood No.                           | Lease:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Well No.                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Location                            | BRADSHAW COM #1, Undes. Boyd Morrow field, APC WI 50%, ETD 9500', Morrow fm., Elev. 3518' GL (3532.5' DF & 3533.5' KB), Loc 660' FS & ELs Sec. 4, T19S, R25E, Eddy County, New Mexico.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |
| REPORT:                             | AFE #4202 to D, C & E gas producer. Contractor - Warton Rig #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |
| 2-9-81                              | Drlg 4634' (340') MW - 8.3, Visc - 28, Chl - 1500.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DC \$7,600 CC \$229,100  |
| 2-10-81                             | Drlg 5169' (535') Dev 5½° @ 4648', MW - 8.4, Visc - 28, Chl - 5000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DC \$7,400 CC \$236,500  |
| 2-11-81                             | Drlg 5588' (419') MW - 8.4, Visc - 28, Chl - 5000. RU Mud Logger @ 5500'. Dev 6° @ 5169'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DC \$8,500 CC \$245,000  |
| 2-12-81                             | Drlg 5980 (392'), Dev 6½° @ 5662', MW - 8.7, Visc - 28, Chl - 54000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DC \$8,600 CC \$253,600  |
| 2-13-81                             | Drlg 6379' (399'), Dev 5½° @ 6161', MW - 8.7, Visc - 28, Chl 54000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DC \$8,500 CC \$262,100  |
| 2-14-81                             | Drlg 6689' (310') Dev 4° @ 6689', MW - 8.7, Visc - 28, Chl 55000. Trip for bit #5 (180½ hrs).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DC \$8,600 CC \$270,700  |
| 2-15-81                             | Drlg 6976' (287') MW - 8.7, Visc - 28, Chl - 56000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DC \$8,400 CC \$279,100  |
| 2-16-81                             | Drlg 7382' (406'), Dev 3° @ 7186', MW - 8.7, Visc - 28, Chl - 56000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DC \$8,400 CC \$287,500  |
| 2-17-81                             | Drlg 7682' (300'). Mud up @ 7500'. Dev. ½° @ 7682', MW - 9.2, Visc - 34, WL - 10.8, Chl - 82000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DC \$15800 CC \$303,300  |
| 2-18-81                             | Drlg 7823' (141'), MW - 9.3, Visc - 34, WL - 10.8, Chl 82000. Drlged to 7823'. Mud Logger had 2 drlg breaks w/shows: (1) 7760-78 W/100 GU & (2) 7790-7806 w/175 GU. Circulate 3 hrs. TOH. SIH w/Halliburton test tools f/DST #1 from 7740-7823'.                                                                                                                                                                                                                                                                                                                                                                                          | DC \$9,500 CC \$312,800  |
| 2-19-81                             | DST #1 7932' (109'). FIH w/DST tools. DST #1 - 7740'-7823' (Canyon). IHP = 3740#; I 15 min F = 171-236. GTS in 16 min @ 16 psig on 3/8" ck = 85 MCFFD. I 30 min SI = 2896, F 1 hr flow = 263-538, Initial rate = 13 psig on 3/8" ck = 75 MCFFD declining after 30 mins to 9 psig. F 3 hr SI = 2896, FHP = 3740#, BHT° = 140°. Recovered: 1333' fluid in DP consisting of 400' oil, 275' water + 658' DM. Sampler contained: 950 cc fluid @ 600 psig consisting of 285 cc oil & 665 cc water w/chloride of 3500 ppm which contained lots of DM solids (chlorides of DM = 81000). WIH w/bit #6. MW - 9.3, Visc - 34, WL - 7.2, Chl - 81000. | DC \$11,400 CC \$324,200 |
| See next page for DST #1 breakdown. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |