W-18

CF 800101

SHELL PRODUCTION COMPANY
SURFACE LOG

NAME: W-18 ARCO, SHELL, CHEVRON, ET AL. OCS-P 0320 WELL
SPUD DATE: 10/10/80 COMPLETION DATE: 11/1/80
SURF. LOCATION: 1000' FSL & 1000' FEL, BLK. 32, OCS-P 0320
LOCATION: TD: 10,000' SHL: 0.0 TVD: 9,500 BHL: 0.0 TVD: 9,500
PRESIDENT: Mr. Thomas J. Cullinan DATE: 7/31/81
PROPERTY: Exploratory Prospect
SURVEYED: ARCO, CHEVRON, ET AL. LATITUDE: 34°19'0.0" LONGITUDE: 119°53'0.0"
ELEV. KB: 0.0 ft. GL: 0.0 ft.

Scale: 1" = 20'-0" (1:240)

Geologic Time Scale	Depth Scale	Sample Depth	Sample Lithology	Lithology Log	Gas Units	Gas Log	Descriptions
Quaternary		Surface Water Sediments (Pleistocene)					
Pleistocene		0.0-10m 0.0-10.0m 0'-10' 0.0-0.0 DPF					10 Conglomerate, tan to light brown, fine to medium grained, poorly sorted, subangular to subrounded, moderately hard, calcareous cement, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material.
					0.0		20 Siltstone, tan to light brown, medium to dark brown, trace to abundant fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		30 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		40 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		50 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		60 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		70 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		80 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		90 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		100 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		110 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		120 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		130 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		140 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		150 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		160 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		170 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		180 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		190 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		200 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		210 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		220 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		230 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		240 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		250 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		260 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		270 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		280 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		290 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		300 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		310 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		320 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		330 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		340 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		350 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		360 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		370 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		380 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		390 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		400 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		410 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		420 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		430 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		440 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		450 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		460 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		470 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		480 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		490 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		500 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		510 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		520 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		530 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		540 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		550 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		560 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		570 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		580 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		590 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		600 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		610 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		620 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		630 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		640 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		650 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		660 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		670 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		680 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		690 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		700 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		710 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		720 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		730 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		740 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		750 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		760 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		770 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		780 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		790 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		800 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		810 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		820 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		830 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		840 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		850 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		860 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		870 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		880 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		890 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		900 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		910 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		920 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		930 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		940 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		950 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		960 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		970 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		980 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		990 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.
					0.0		1000 Siltstone, tan to light brown, medium to dark brown, trace fossil fragments, trace pyrite, trace glauconite, trace carbonaceous material, trace to abundant calcareous cement, moderately hard, sandy in part.