

Schedule

Cores

Core # 1 (Upper Queen) 4660'-4720', rec. 60' being: 3' sand, gray, fine grain, well sorted w/ dolo. and anhy. cement, no show; 3' gray anhy.; 2' sand as above; 2' anhy.; 11' sand & interbedded anhy., no show; 14' sand, mostly red but w/ some tan, fine grain, no show; 25' interbedded anhy. & dolo.

Core #2 (Penrose) 4906'-4966', rec. 60' being: 1' VFG tight sand w/ scattered bleeding oil & spotty flur.; 2' anhy.; 5' VFG-FG sand, no show; 23' anhy. w/ minor beds of tight VFG sand & dns. dolo., no show; 4' VF-FG tight sand, no show; 5' dolo., anhy. & shale; 3' VFG tight sand, no show; 16' dolo; 1' FG tight sand w/ scattered bleeding oil & spotty flur.

Core #3 (Penrose) 4966'-5026', rec. 60' being: 3' FG tight sand w/ fairly even oil stain & flur., bleeding oil; 2' FG anhydritic tight sand, no show; 15' interbedded dolo. & anhy.; 2' FG tight sand, no show; 2' F-MG tight sand w/ slightly spotty oil stain & flur.; 36' dolo. w/ occasional interbed of black shale.

Core #4 (Penrose) 5082'-5142', rec. 59' being: 5' F-MG well sorted clean sand, friable, no show; 5' dolo. w/ interbeds of anhy.; 1' VFG well sorted sand w/ fair porosity, slight stain & dull yellow flur.; 1' dolo.; 11' VF-FG well sorted sand w/ dolo. & anhy. cement, mostly tight, no show; 34' dolo. w/ occasional interbeds of anhy. & shale, no show; 2' VFG tight sand, no show.

Core #5 (Penrose) 5142'-5202', rec. 58' being: 4' F-MG sand, bottom 3' clean & well sorted, no show; 28' dolo. w/ occasional interbeds of anhy. & gray shale, no show; 14' VF-MG well sorted, clean, porous sand, no show; 12' dolo.

Drill Stem Tests

DST #1 (Brushy Canyon) 6390'-6484', open total of 90 min. On 30 min. pre-flow, op. w/ weak blow inc. to strong blow in 15 min. On 60 min. final flow, op. w/ weak blow inc. to strong blow in 15 min. No GTS. Circulating sub broke while coming out of hole and lost all recovery above sub. Rec. all salt water below sub, no show oil or gas. IHP 2875#, 30 min. IFP 105#-397#, 60 min. ISIP 2508#, 60 min. FFP 437#-661#, 120 min. FSIP 2524#, FHP 2861#, BHT 110°.

DST #2 (Bone Spring) 10,113'-10,150', open total of 90 min. On 30 min. pre-flow, op. w/ weak blow inc. to 1.5# SFP. On 60 min. final flow, op w/ good blow inc. to strong blow w/ 4.8# SFP. Opened choke to 1/2" and had GTS in 51 min. into final flow. SFP slowly decreased to 1# at end of test. Reversed out 2100' HO & GCM. Spl. Ch. rec. 1.1 cu.ft. gas, 1700 cc oil, no water, no mud @ 1400#. IHP 4654, 30 min. IFP 78#-141#, 60 min. ISIP 1249#, 60 min. FFP 257#-239#, 120 min. FSIP 1258#, FHP 4654#, BHT 148°.

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