

Luke Unit #2
30-015-31947
S3-T21S-R22E

10-2-01- Drilling 1691' Glorieta. Made 289' in 7 hours, 41.29'/hr 10/2/01. Rig repair-redo mousehole and install shuck. Tagged cement at 1186'. Tested to 1000#, OK. Drilled cement, plug and float. Drilled out 11:00 pm 10-01-01. WOC 44 hours 15 mins. Reduced hole to 7 7/8" and resume drilling. Ran DST #1 7250-7278' (28) Cisco: Time 15", 60", 60", 180". Opened tool with weak blow on 1/8" choke=5 mins 1/4", 10 mins 1/8" and 15 mins 1/8". No BOB and no GTS. Close tool for 60 mins shut in. Opened tool with weak blow on 1/8" choke= 1-1/2" in 5 mins., 1-1/4" in 10 mins, 3/4" in 15 mins 1/2" in 20 mins, 1/8 in 25 mins, no blow in 30 mins and no blow for rest of 60 min flow. No BOB and no GTS. Shut in. Pulled packers loose and TOH with test tools. Recovery 20' (1 bbl) rat hole mud, CI 80.000.

Sampler: 32 psi @ 70 deg, 0.01 cu ft gas, 1800 cc mud and cl 80,000. Pressures:

Depth: 3418'

BHT: 126 deg F

IHP: 3419

IFP: 32-94

ISIP: -136

FFP: 28-32

FSIP: 67

FHP: 3399

Test was mechanically successful. Bottom of packer at 7830' (45' interval on test).

10-13-01- Detailed results of DST #2 7830-7875' Canyon: times: 15", 60", 180".

Opened tool with weak blow on 1/8" choke= 5 1/2 oz in 5 mins, 6 oz in 10 mins and 5 oz in 15 mins. BOB in 3 mins. No GTS. Closed tool for 60 mins shut. Opened tool with good blow on 1/8" choke = 8 1/2 oz in 5 mins. 7 oz in 10 mins, 6 oz in 15 mins, 5 oz in 20 mins, 4 oz in 25 mins, 3 oz in 30 mins, 3 oz in 35 mins, 3 oz in 40 mins, 3 oz in 45 mins, 2-1/2 oz in 50 mins, 2 1/2 oz in 55 mins and 2-1/2 oz in 60 mins. BOB as soon as tool opened. NO GTS. Shut in for 180 min SI. Recovery: 60' (0.29 bbls) gas cut mud, CI 85,000 Sampler: 40 psi @ 70 deg, 0.05 cu ft gas, 2000 cc mud, C1 88,000, pressures:

Depth: 7805'

BHT: 138 deg

IHP: 3847

IFP: 38-39

ISIP: 438

FFP: 31-40

FSIP: 438

FFP: 31-40