

HISTORY OF DEEPENING

Date: 9/22/87

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END --
 DATE 9/2/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|-------|---|
| 9:00A | Mix gel mud. Rigging up equipment to drill. |
| 4:15P | Moving in drilling equipment |

DETAIL OF OPERATIONS
 Setting up drill rig. Hook up mud pump and hoses. Fill mud pit with water. Work on BOP Equipment.

Charge 4 Hours of drilling time.

MUD WT _____ MUD VISC. _____
 CIRCULATING PUMP PRESSURE _____
 ROTARY SPEED _____ BIT# _____ DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Wayne ?

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean Out to 640'
 DATE 9/3/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|--------|---|
| 10:00A | Work on BOP Equipment |
| | Conduct test of BOP Equipment for State Inspection. |
| | BOP tests approved by State inspector. |
| 12:30P | Start in hole with 6 1/2" bit. |
| | Clean out hole to a depth of 640'. |
| 7:00P | Mix Polymer mud. |

DETAIL OF OPERATIONS
 Charge 8 1/2 Hours of drilling time.

MUD WT 9.3 #/gal MUD VISC. 120 sec
 CIRCULATING PUMP PRESSURE 370 psi
 ROTARY SPEED 200 RPM BIT# 1 DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Rick Persinger

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean out to 940'
 DATE 9/4/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|--------|---|
| 10:00A | BOP Blind Rams closed on drill pipe. Lay down collapsed joint of drill pipe. Mix more Polymer mud. |
| | Clean out to a depth of 700'. Hole caving, losing mud at a depth of approx. 700'. Work through tight zone at 740'. Work pipe up and down through tight zone and loss circulation zone. Condition mud. |
| 8:00P | Loss circulation zone and tight hole cured. |

DETAIL OF OPERATIONS
 Pull out 400 feet of drill pipe and shut down for the night.

Charge 9 Hours of drilling time
 Mud Pump - 5 1/2" x 8" Duplex Piston Pump. Approx .03 Bbl/stk

MUD WT 9.3-9.4#/gal MUD VISC. 130 sec
 CIRCULATING PUMP PRESSURE 420 psi @ 64 SPM (2.3 BBl/Min)
 ROTARY SPEED 200 RPM BIT# 1 DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Rick Persinger

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean out to 1140'
 DATE 9/5/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|--------|--|
| 10:00A | Hook up new pump to de-silter |
| | Work on Mud Pump- valves plugged with loss circ. material. |
| 12:20P | Run in with 6 1/2" bit on 2 7/8" drill pipe. |
| 8:00P | Clean out hole to 1140'. Pull out approx 370' of drill pipe and shut down for the night. |

DETAIL OF OPERATIONS
 Charge 8 Hours of drilling time

MUD WT 9.3#/gal MUD VISC. 54 sec.
 CIRCULATING PUMP PRESSURE 420 psi @ 64 SPM
 ROTARY SPEED 230 RPM BIT# 1 DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Rick Persinger

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END 1140'
 DATE 9/6/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|------|--|
| | Operation shut-down for Sunday. A 24 hour watch was put on the well to monitor the mud pump as mud was circulated through the day and night on Sunday. |

DETAIL OF OPERATIONS
 Mud Watch: Richard Persinger
 Vern Newton
 Russ Wolf

MUD WT 9.4#/gal MUD VISC. 50 sec
 CIRCULATING PUMP PRESSURE _____
 ROTARY SPEED _____ BIT# _____ DEPTH IN _____ DEPTH OUT _____
 DRILLER _____
 CREW _____

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean out to 1300'
 DATE 9/7/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|-------|---|
| 9:00A | Run back in the hole with 6 1/2" bit on 2 7/8" drill pipe. Mix 2 sacks of bentonite in mud system. Mainly Polymer mud system (Rapid Mud). |
| | Clean out hole to 1300'. Drilled 10' of hard basalt. Realized that new hole was being drilled and that the bit had sidetracked the original hole. Worked and rotated drill pipe through the 1200' to 1300' depth for 2 hours in an attempt to get back into orig. hole. |

DETAIL OF OPERATIONS
 Vern Newton, John Miller and Ed Jannsen decided that it was futile to continue work to get back into the original hole. The deepening operation was shut-down at 4:00PM. Crew began pulling and laying down drill pipe.

Charge 12 Hours of drilling time.

MUD WT 9.3#/gal MUD VISC. 40-50 sec.
 CIRCULATING PUMP PRESSURE 500 psi
 ROTARY SPEED 220 RPM BIT# 1 DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Rick Persinger

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean out to 1300'
 DATE 9/8/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|--------|--|
| 12:00N | Run in to a depth of 400' with open end 2 7/8" drill pipe. Prep to place abandonment plug. Begin dismantling equipment. Load drill pipe on flat bed truck. Clean out mud pits. |

DETAIL OF OPERATIONS
 Charge 4 hours of drilling time

MUD WT _____ MUD VISC. _____
 CIRCULATING PUMP PRESSURE _____
 ROTARY SPEED _____ BIT# _____ DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW _____

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean out to 1300'
 DATE 9/9/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|------|-----------------------------------|
| | Operations shut down for the day. |

DETAIL OF OPERATIONS
 No drilling charge.

MUD WT _____ MUD VISC. _____
 CIRCULATING PUMP PRESSURE _____
 ROTARY SPEED _____ BIT# _____ DEPTH IN _____ DEPTH OUT _____
 DRILLER _____
 CREW _____

DAMON PETROLEUM

WELL Stauffer Farms 35-1 DEPTH START 2752'
 TOUR Days DEPTH END Clean ou to 1300'
 DATE 9/10/87 CONTRACTOR Jannsen Drilling

| HOUR | WORK DESCRIPTION |
|-------|--|
| 9:30A | Prepare to place abandonment plug. CEMENT PLUG 380'-270' |
| | Began pumping in 35 sacks of ready mix cement thru 2 7/8' open end drill pipe. Cement in place at 12:30PM |
| | Pull drill pipe up to a depth of 200' and circulate out excess cement. |
| 5:30P | Run in with 6 1/2" bit on 2 7/8" drill pipe. Found top of firm cement at 270'. State approved the abandon- |

DETAIL OF OPERATIONS ment plug (Dan Wermiel, State Inspector). Begin moving out drilling equipment and mud tanks.

Charge 6 Hours of drilling time.

MUD WT _____ MUD VISC. _____
 CIRCULATING PUMP PRESSURE _____
 ROTARY SPEED _____ BIT# _____ DEPTH IN _____ DEPTH OUT _____
 DRILLER Preston Jannsen
 CREW Dave ?