

Casing: 7"
PBSD: 1457'
Gross Perf. Interval: 1306'-1454'

July 5, 1990:

Set up Splane pulling unit. Pulled 19 joints of tubing (2 1/2" 8RD upset) before hitting fluid. Removed four joints with holes and replaced with two joints used 2 1/2" 8RD upset and ran back in. Set pump 50' above original placement. Pump now at 551'.

Bucket test after pulling; 16 seconds per 5 gallons of water.

July 24, 1990:

Set up Splane pulling unit over well and pulled 550' 2 1/2" 10RD pipe and Grunfos pump. Well had split in tubing approximately 200' above pump. Laid out on ground and checked out pump and motor. Screen had build-up of iron sulfide, was soft. Cleaned up screen and was ok. Ran back in well with 596' 2" 10RD pipe from Ard WSW and set on 2" clamp. Turned on and is pumping ok.

December 20, 1998:

Electric short down hole on 12-14-90 according to Zimmerman Electric. Splanes were out on 12-17-90 to pull to pump. Shaft between motor and pump had twisted off, causing motor to burn up. Replaced with new Grunfos pump and motor and ran back in.

Bucket test on 10-19-90 indicated that it was pumping at a rate of 791 BPD. Pump is rated at 801 BPD.

June 30, 1993:

Set up Klein Well Service pulling unit and pulled out pump and tubing. There was a hole in the tubing two joints from the pump. The pump was also plugged up with scale and trash. The motor looked okay but the tubing and pump needed to be replaced. Western Drill furnished 650.85' of 2" 10RD tubing and Zimmerman Electric brought new pump. Ran in with same motor and new pump with 596.45' of new 2" 10RD tubing. Did not use all of the tubing because cable would not come out right without having to unspool more. Hooked back up and started pumping into tank 15 seconds per five-gallon bucket. While pump was down, Zimmerman Electric put phase control on this well.

Bucket Test: 5 gallons per 15 seconds = 686 B/D = 28.3 B/Hr.

January 27, 1994:

Pulled well for pump failure. Replaced with the same type of pump at the same setting. Bucket test: 28.3 B/H or 680 B/D.

January 30, 1995:

Using Faith Well Service, pulled well for another pump failure.

January 31, 1995:

Ran SLM - bottom at 1444'. Ran bailer attempting to clean well. Recovered small amount of pipe scale with some oil. Not making progress. Ran SLM a second time - bottom at 1432'. Installed a new pump and motor of the same type and used the old tubing string. Bucket test: 35.7 B/H or 857 B/D.

Well produced satisfactorily with gradually-decreasing volume. Rate decreased to 367 B/D.

December 8, 1998:

OBJECTIVE: To Improve Output Volume

Rigged up A & A Well Service's unit. Pulled tubing, cable, 5-hp motor and Grunfos pump.

Zimmerman Electric checked cable - okay.

Ran 584.5' 2 3/8" 10RD good, used tubing, electrical cable, new 5-hp motor and Grunfos pump. See attached sheet for new pump and motor details and pipe tally.

Started pump. Instant shut-in pressure, 320 PSI. Cleaned and checked Halliburton meter. Rate was 920 bbls. per day.

DOWNHOLE PUMP INSTALLATION

REASON FOR SERVICE Improve output

Changed Pump & Motor 12/8/98

PULLED CHANGE OVER ASSY 1 1/4" 11 1/2 V x 2 3/8" 10 Rd Spline 1918 RUN CHANGE OVER ASSY.

PUMP G RUND FOS

SERIAL NO. 9423

TYPE SP

NO. STAGES 19

MODEL NO. PC16550-38

REMARKS _____

PUMP G RUND FOS

SERIAL NO. _____

TYPE SP

NO. STAGES 19

MODEL NO. 16550-38



~~EQUALIZER~~

~~SERIAL NO. _____~~

~~MODEL NO. _____~~

~~REMARKS _____~~

~~EQUALIZER~~

~~SERIAL NO. _____~~

~~MODEL NO. _____~~

MOTOR FRANKLIN

VOLTS 460

AMPS 8.9

PHASES ~~3~~ 3

H.P. 5

SERIAL NO. F93042713

REMARKS 2343277004

MOTOR FRANKLIN

VOLTS 460

AMPS 8.0

PHASES 3

H.P. 5

SERIAL NO. _____

Parts No. 2343278304
model No. _____

TUBING

LENGTH _____

DIAMETER 2 3/8"

THREAD 10 Rd reg

TUBING

LENGTH _____

DIAMETER 2 3/8"

THREAD 10 Rd reg

~~Round~~
~~FLAT~~ CABLE

LENGTH _____

SERIAL NO. Phillips 1983 30' 10 AWG 3 KY

~~Round~~
~~FLAT~~ CABLE

LENGTH _____

SERIAL NO. Same cable

DOWNHOLE PUMP INSTALLATION

REASON FOR SERVICE Pump Failure

DATE 1-30-95 NEISON W.S.W.#1

CHANGED PUMP + MOTOR OUT

PULLED
CHANGE OVER ASSY

RUN
CHANGE OVER ASSY

PUMP GRUNDFOS

SERIAL NO. 93468

TYPE SP

NO. STAGES 19

MODEL NO. PC16850-38

REMARKS 16 US G.P.M.

OUT

IN

PUMP GRUNDFOS

SERIAL NO. 7423

TYPE SP

NO. STAGES 19

MODEL NO. PC16850-38

16 US G.P.M.

781 FEET

Test 5 gal. bucket test
5 gal. in 12 sec = 8.33 G.P.M.

~~EQUALIZER~~

~~SERIAL NO.~~

~~MODEL NO.~~

~~REMARKS~~

~~EQUALIZER~~

~~SERIAL NO.~~

~~MODEL NO.~~

MOTOR FRANKLIN

VOLTS 480

AMPS 10

PHASES 3

H.P. 5

SERIAL NO. 2343217004

REMARKS

MOTOR Lead 379319
Cal. REUS 2

MOTOR FRANKLIN

VOLTS 480

AMPS 10

PHASES 3

H.P. 5

SERIAL NO. F93042515

MODEL 2343217004

TUBING

LENGTH 576.46

DIAMETER 2 3/8

THREAD 10nd reg.

TUBING

LENGTH 578.70

DIAMETER 2 3/8

THREAD 10nd reg.

Round

~~FLAT~~ CABLE

LENGTH 620'

SERIAL NO.

Round
~~FLAT~~ CABLE

LENGTH 620'

SERIAL NO.

