CASE STUDY



OBJECTIVE

Decrease operating costs by installing Jet Pump. Customer replaced 6 ESPs in a 4 year period.

RESULTS

Seven months after installing JJ Tech Jet Pump, no workover rig has been needed, and well remains as productive as it was on ESP.



Decrease operating costs by replacing ESP with Hydraulic Jet Pump



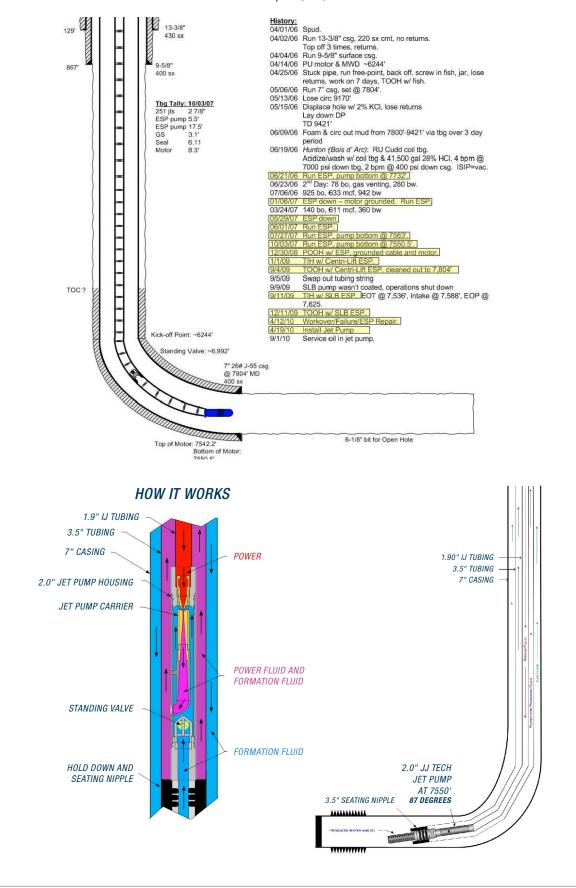
ADVANTAGES OF JET PUMP VS. ELECTRIC SUBMERSIBLE PUMP

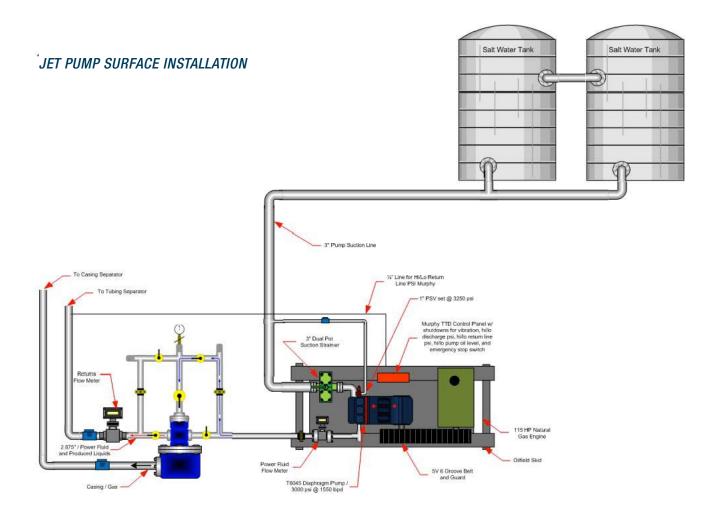
- Can produce moderate to high volumes of solids
- Has no moving parts down-hole
- Can produce high volumes of oil
- Software can calculate PBHP based on production volumes

JJ Tech

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T8045 NATURAL GAS SKID | 2.0 JET PUMP | NORTH OKLAHOMA OIL & GAS WELL



SOFTWARE ANALYSIS

In	put	Data

PUMP DE TUBING CASING BH TEMF GAS LIQ. PROD. R PROD. W WAT. FR PUMPING Date:: 11	ENTIFICATI EPTH: ID: S ETURN: IATER GRA' AC.: (50% = G BHP: - February		I.61Inches 992Inches 155Deg F 0SCF/BBL Annulus 1.13 0.45 100psig	RE TU PO FLC DE PR SU	BING LENG BING OD: . WER FLUII DWING WH SIGN LIQ. ODUCED C ODUCED C RFACE HY	ATIVE: GTH TO PUMI D: I TEMP: PROD. RATE DIL GRAVITY GAS GRAVITY D. PRESS: I PRESS:	P:75 	550Feet Inches Water 0Deg F BL/DAY 42API 0.79 500psig
= = = = = = = =	Douror	Downer	Horse	Non Cov	Drod	Dumping	Norrio	Throat
Pump Size	Power Press psig	Power Fluid Rate bblpd		Non-Cav Rate bblpd	Prod. Rate bblpd	Pumping Bot-hole psig	Nozzle Area inches	Throat Area inches
B:2	2048	817	31	92	80	100	.0095	.0189

FLUID LEVEL SHOT Shows 95.4 PSI Pump Intake Pressure

