## 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



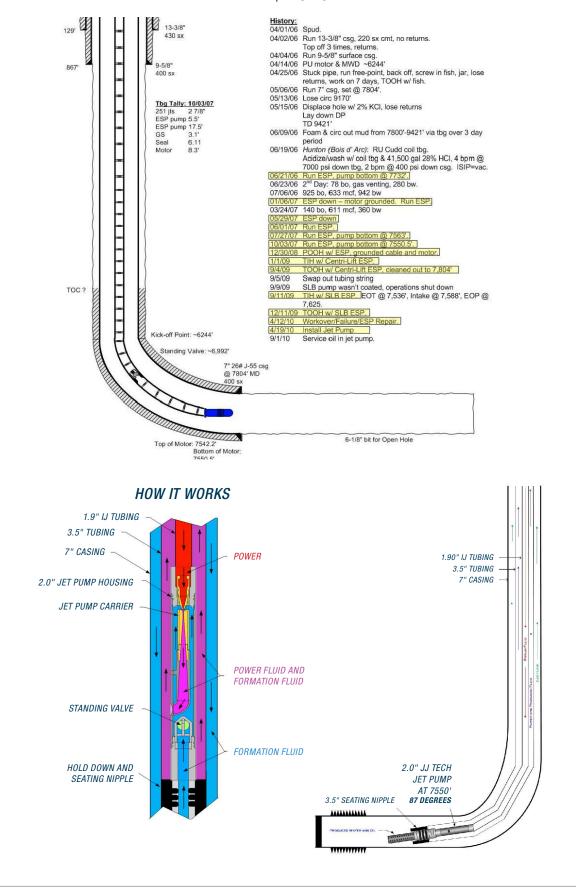
## ADVANTAGES OF JET PUMP VS. ELECTRIC SUBMERSIBLE PUMP

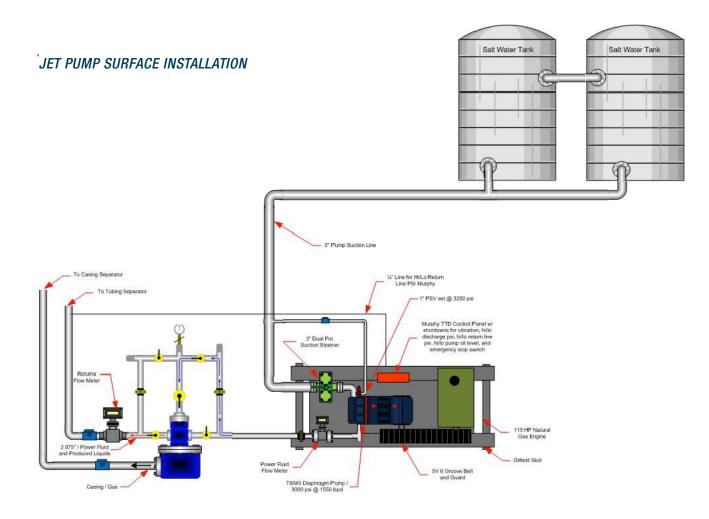
- Can produce moderate to high volumes of solids
- Has no moving parts down-hole
- Can produce high volumes of oil
- Software can calculate PBHP based on production volumes

#### 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

