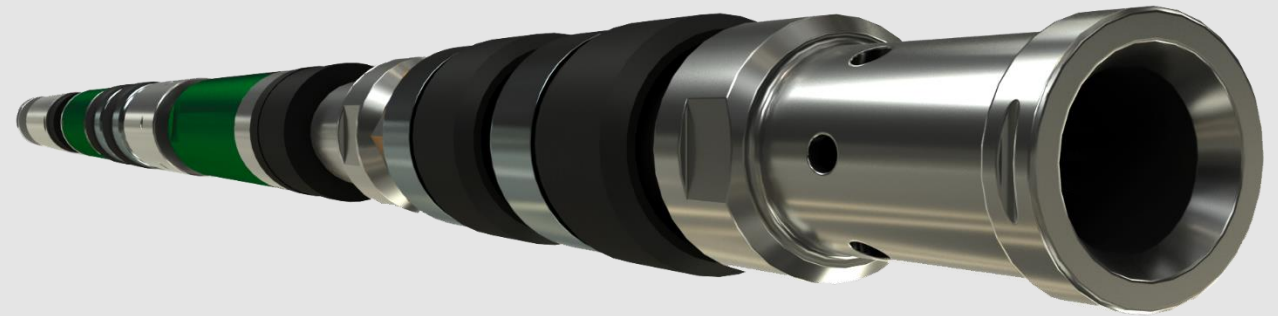




LIFTING JOBS MAY 2023 RESULTS

01

AMER-58 WELL



AMER-58



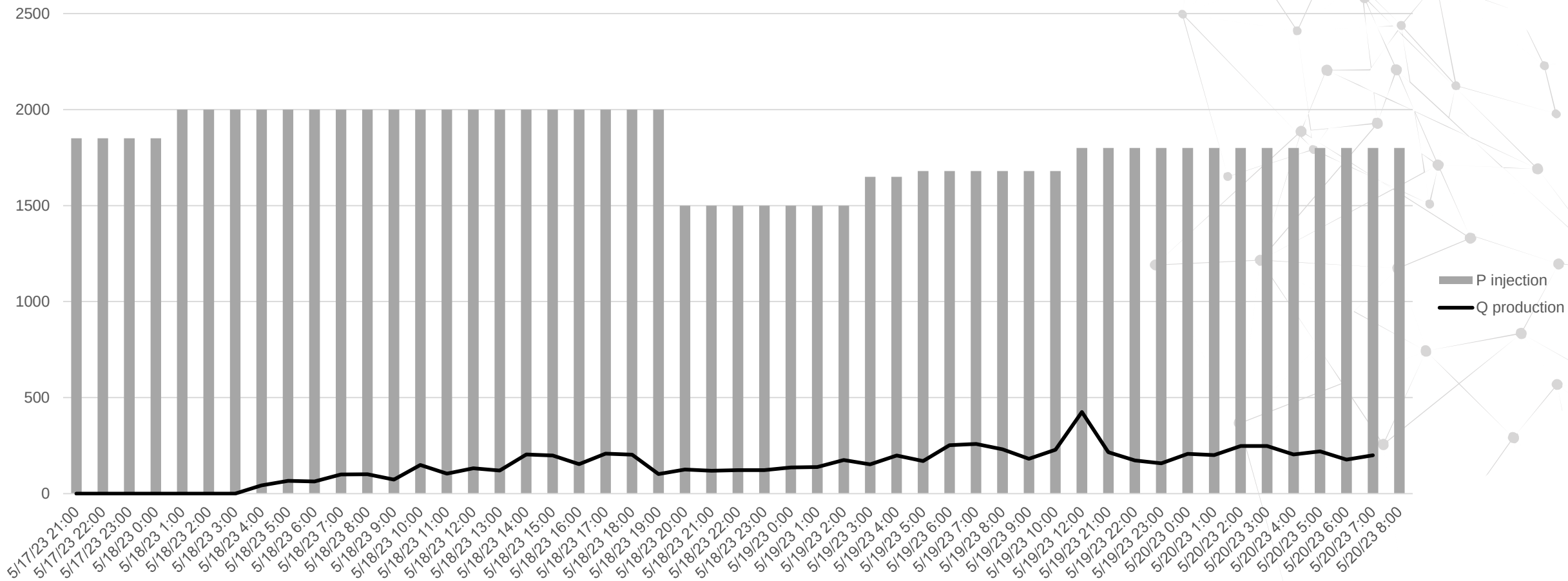
PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'



AMER-58 OPERATIONS SUMMARY



Pinj vs Qproduction AMER-58



AMER-58



JET PUMP DISASSEMBLY. ALL PARTS IN GOOD CONDITION.



JET PUMP RECOVERED WITH OPERATIONAL NOZZLE AND THROAT WITH NORMAL WEAR. UPPER AND LOWER TEFLON SEALS WITH WEAR AND SCRATCHES. HOUSING THROAT WITH STINGS AND SCRATCHES (WEAR IS PRESUMED DUE TO METAL SOLID PRESENCE DURING OPERATION). OPERATIONAL DIFFUSER.



FILTER PLUGGED 30% DUE TO SEDIMENTS AND SLAG, NOZZLE RETAINER WITH METAL FIBERS (PRESENTS WEAR), OPERATIONAL DIFFUSER.

PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'

02

S.E. ALHAMD-4





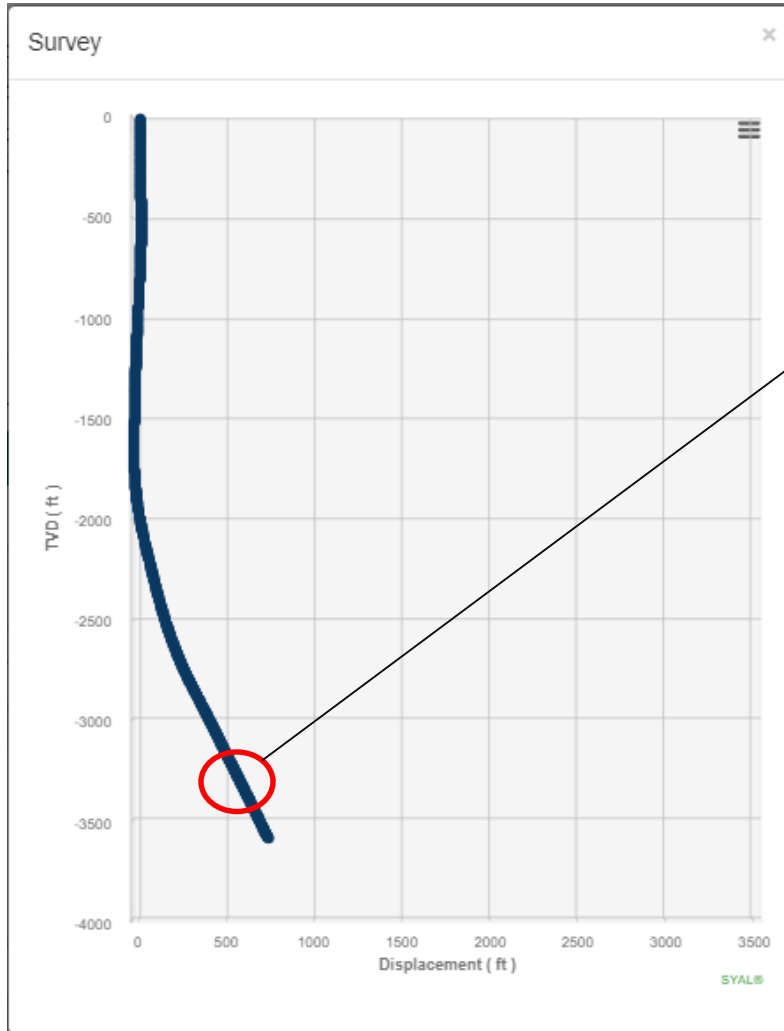
JET PUMP SET TO RIH



DIMENSIONAL MATCHING BETWEEN THE SSD AND JET PUMP, A 12.087 INCH EXTENSION WAS REQUIRED

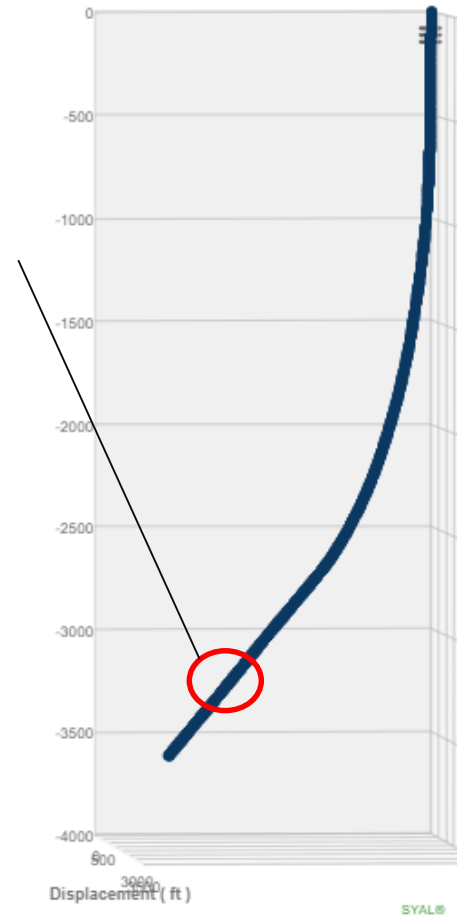
PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'

S.E. ALHAMD-4 OPERATIONS SUMMARY



63.64° SSD inclination

TVD (ft)

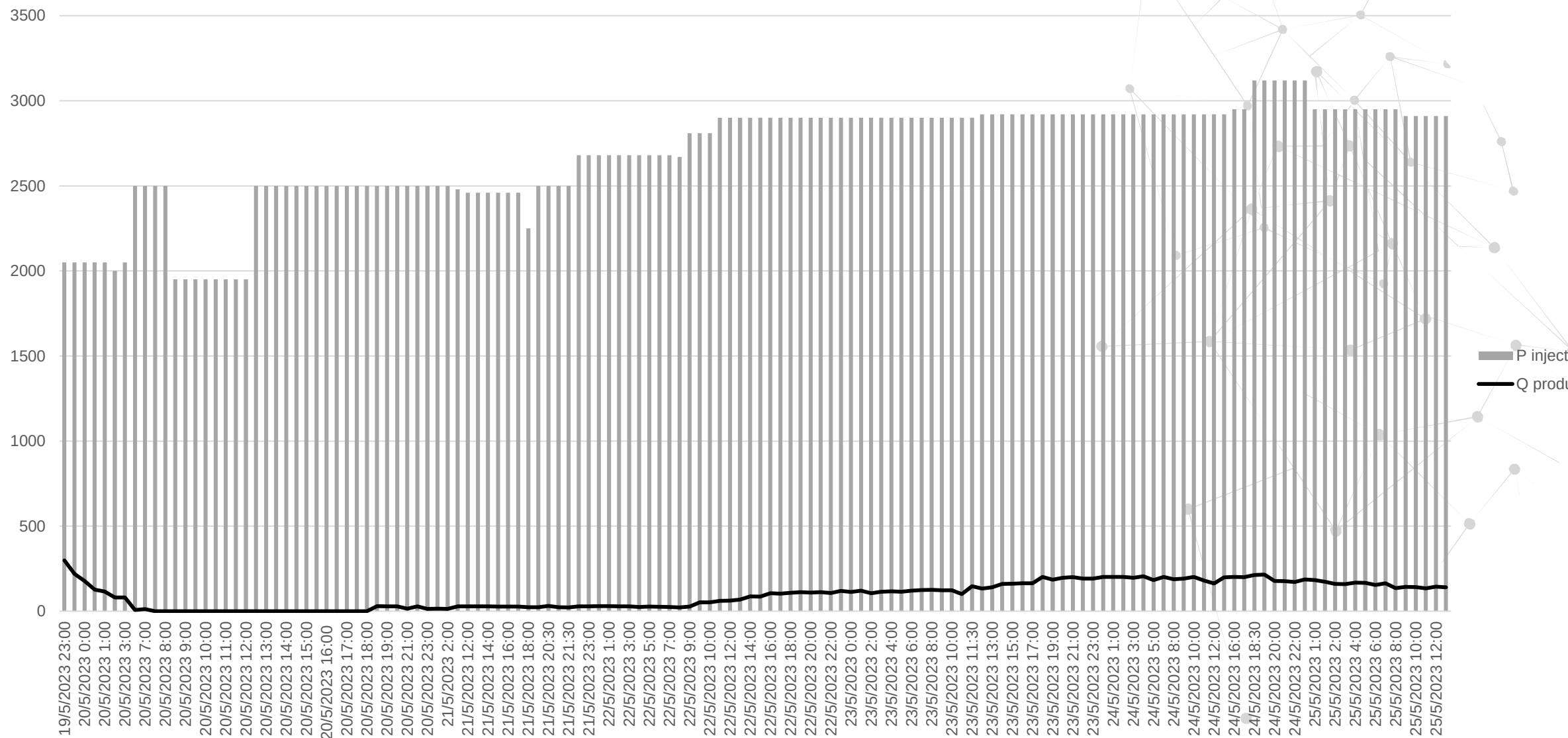


PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'

S.E. ALHAMD-4



Pinj vs Qproduction S.E. ALHAMD-4



S.E. ALHAMD-4 PRODUCTIVITY INDEX



IPR Analysis - S.E.ALHAMD-4

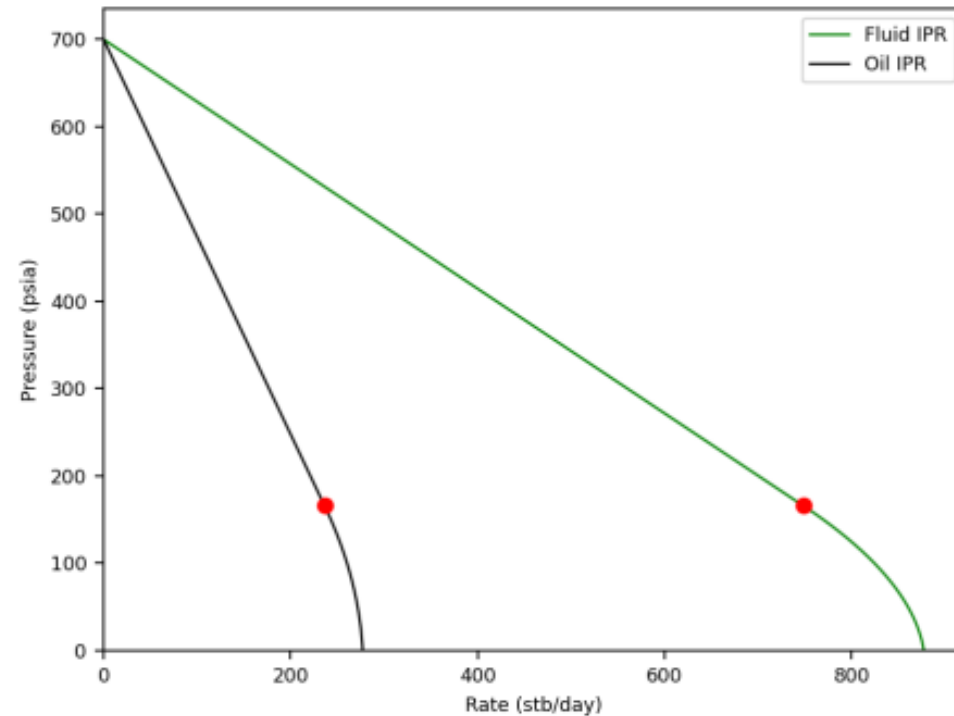
Code: EC.GC.ID.RE.03
Version: 01
Date: 22-03-2022
Confidential

Belayim

Static pressure:	700.0 psia
Flowing pressure:	300.0 psia
Test rate:	560.1 stb/day
Bubble point pressure:	165.4 psia
Water cut / BSW:	68.4 %

Vogel Composite

Fluid PI:	1.400 stb/day/psia	AOF:	877.3 stb/day
Oil PI:	0.442 stb/day/psia	AOF:	277.1 stb/day



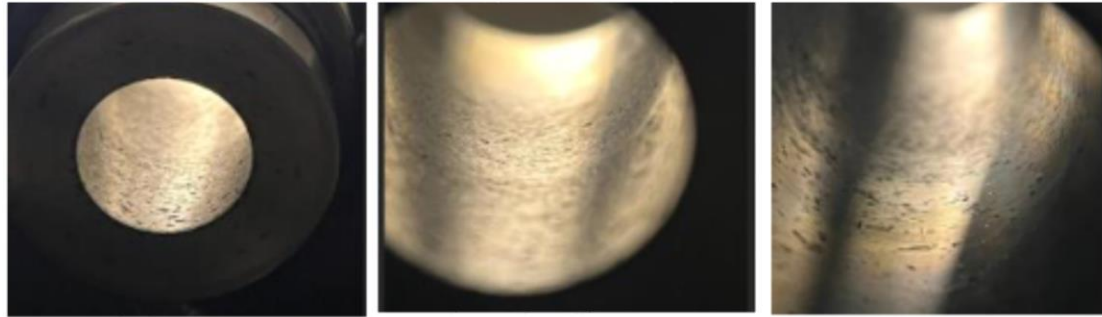


CONVENTIONAL JET PUMP 3-1/2"x2.81" INSPECTED AFTER LIFTING JOB

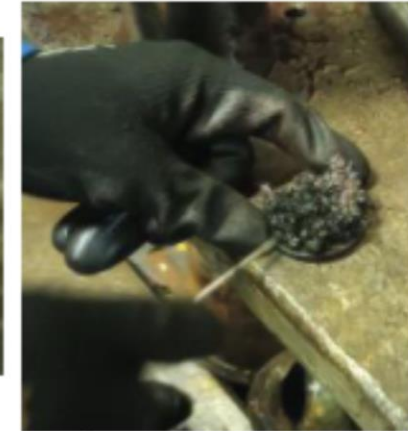
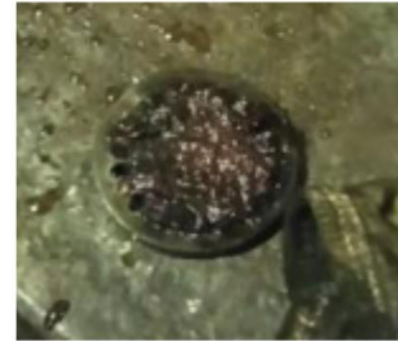


FISHING NECK PRESENTS STAINS CAUSED BY POWER FLUID. THE FISHING NECK IS FOUND WITH A CONSIDERABLE AMOUNT OF SEDIMENTS AND SCALE OBSTRUCTING THE POWER FLUID ENTRANCE

PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'



IT IS DETECTED PITTING AND EROSION IN THE INTERNAL SURFACE OF THE DIFFUSER. THIS PIECE IS NO LONGER OPERATIVE



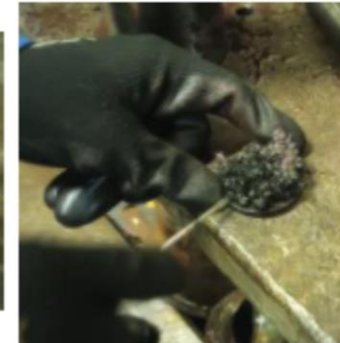
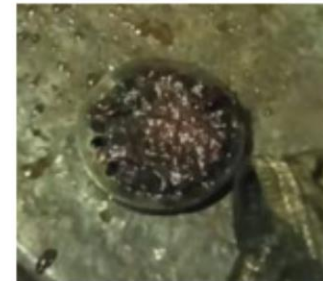
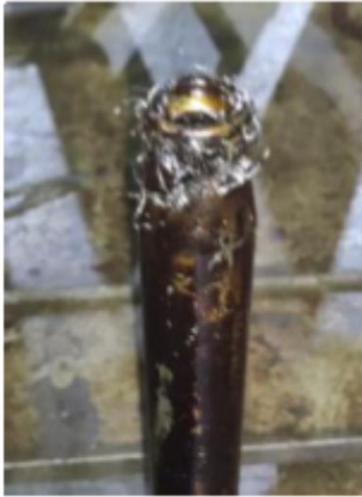
HIGHLY SATURATED FILTER (80% APPROXIMATELY) BY SCALE AND SEDIMENTS THAT COME FROM THE POWER FLUID

PUMP JET CLAW 3-1/2"x2.81" M-303 '10L'

POSSIBLE SOLUTION ALTERNATIVES

The main issues that occurred during the operation were:

1. Power fluid with presence of solids and sediments (S.E. Alhamd-4)
2. Bottom hole with presence of dirt (Amer-58)
3. Poor static and dynamic separator capacity (S.E. Alhamd-4)

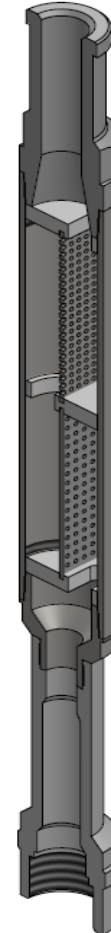
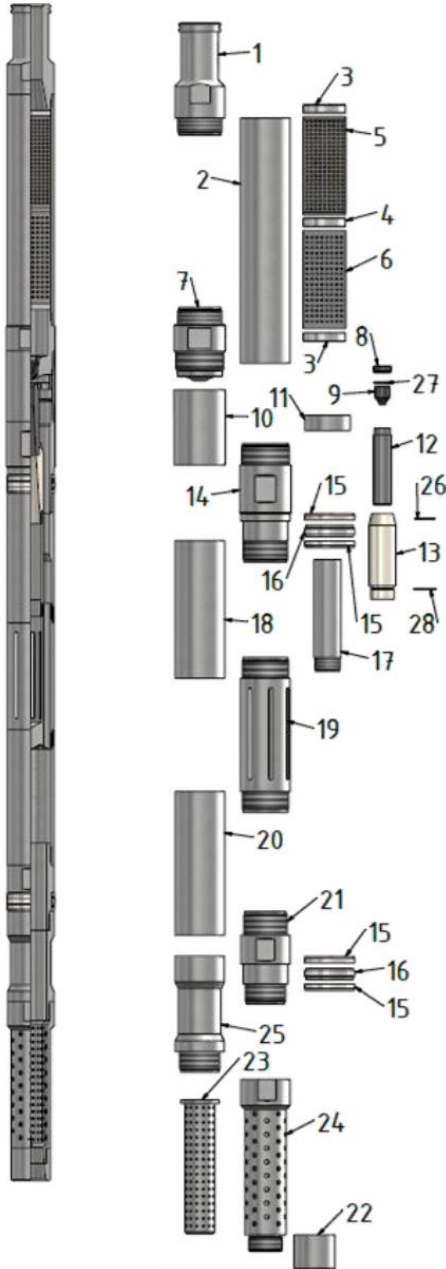


POSSIBLE SOLUTION ALTERNATIVES

Jet Claw Pump V2

Double stage
filter

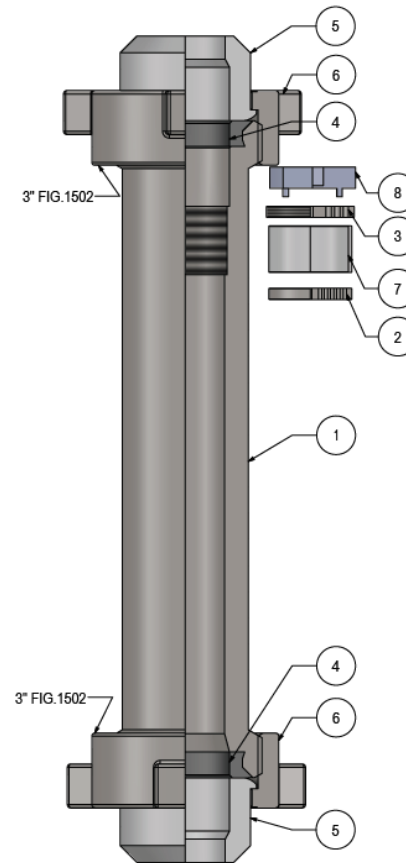
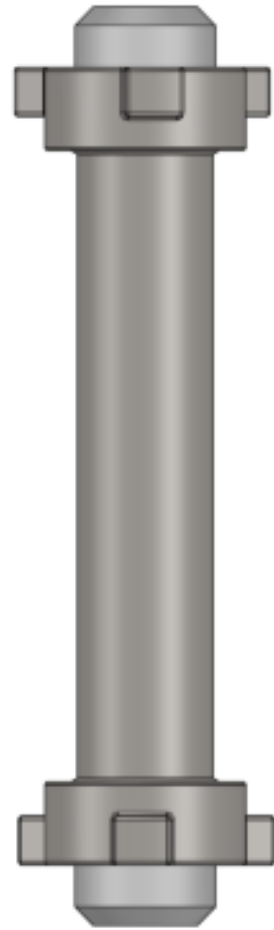
Production
fluid filter



POSSIBLE SOLUTION ALTERNATIVES



Filter Claw Double Surface 3" Fig.1502



SERTECPET sinónimo de la Amazonía en el mundo

Atributos:

- Tecnología
- Innovación
- Excelencia
- Calidad
- Seguridad
- Productividad



SISTEMA DE GESTIÓN I N T E G R A D O

RESPONSABILIDAD SOCIAL CORPORATIVA / CALIDAD / AMBIENTE / SEGURIDAD Y SALUD / COMPLIANCE



CERTIFICADO NO.10395707

ISO 9001

Quality management systems-
Requirements



API Spec Q1
Q1-0353

API SPEC Q1

Specification for Quality Programs for the
Petroleum and Natural Gas Industry, 9th Edition



5L-0495

API SPEC 5L

The scope of its license includes the
following: Specification for
Line Pipe



The National Board

Design, construction and
inspection of boiler and
pressure vessels



CERTIFICADO NO.10395703

ISO 14001

Environmental Management
System - Requirements



API Spec Q2
Q2-0356

API SPEC Q2

Specification for Quality Management System
Requirements for Service Supply Organization
for the Petroleum and natural gas Industry 1st
Edition



7-1-0500

APISPEC 7-1

The scope of its license includes the
following products: Drill Stem Subs;
Threading for Rotary Shouldered
Connections



ASME U

Manufacture of pressure vessels
and field sites controlled by the
location



CERTIFICADO NO. 10395705

ISO 45001

Occupational health and safety
management systems-
Requirements



18 LCM

API 18LCM

Product life cycle management system
requirements for the petroleum and natural gas
industries



14L-0057

API 14L

Monogram API-14L Lock Mandrels
and Landing Nipples Landing Nipples



ASME R

Repair and/or alteration of
pressure retaining items.



CERTIFICADO NO.10220823

ISO 37001

Anti-Bribery management
System



5CT-0572

API SPEC 5CT

The scope of this license includes the following:
Manufacturer of Casing or Tubing Couplings at
Groups 1, 2 and 3; Manufacturer of Accessories
at Groups 1, 2 and 3; Threader.



19AC-0009

API 19AC

Provides requirements and guidelines
for completion accessories for use in
the petroleum and natural gas industries.



ASME U2

Construction and workshop
manufacture of stamped
containers under descriptor U2.



ISO 9001
90-2633

ISO 9001

Quality management systems-
Requirements



ISO 14001
ISO-30043

ISO 14001

Environmental Management
System - Requirements



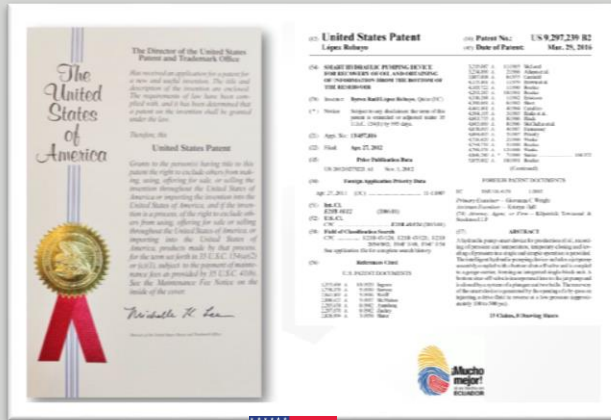
11D1-0180

API 11D1

Provides requirements and guidelines
for completion accessories for use in
the petroleum and natural gas industries.



PATENTES



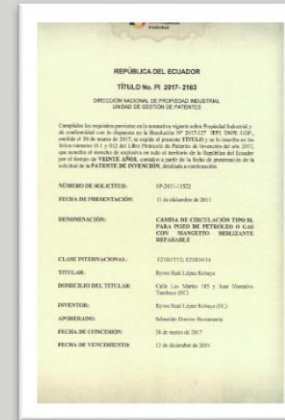
APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



SYL SOFTWARE DE ANÁLISIS DEL LEVANTAMIENTO ARTIFICIAL HIDRÁULICO TIPO JET (PROGRAMA DE ORDENADOR SOFTWARE)



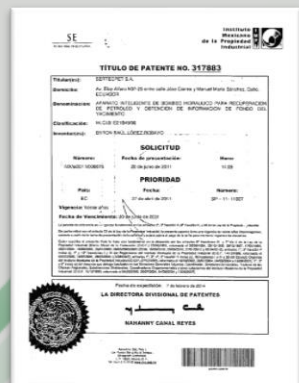
DISPOSITIVO HIDRÁULICO PARA UBICACIÓN Y SELLAMIENTO DE AGUJEROS O FISURAS EN TUBERÍA DE PRODUCCIÓN EN POZOS DE PETRÓLEO



CAMISA DE CIRCULACIÓN DE FLUIDOS EN FONDO, CON APERTURA HACIA ABAJO, PARA POZOS DE PETRÓLEO BL 500AA



APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



APARATO INTELIGENTE DE BOMBEO HIDRÁULICO PARA RECUPERACIÓN DE PETRÓLEO Y OBTENCIÓN DE INFORMACIÓN DE FONDO DEL YACIMIENTO



"CAMISA DE CIRCULACIÓN DE FLUIDOS EN FONDO, CON APERTURA HACIA ABAJO, PARA POZOS DE PETRÓLEO"



"CAMISA DE CIRCULACIÓN DE FLUIDOS EN FONDO, CON APERTURA HACIA ABAJO, PARA POZOS DE PETRÓLEO"

Pilares de productividad, competitividad y buenas prácticas para una industria sostenible

Innovación & Tecnología

- Know How (Plantas modernas, laboratorios, Centros Tecnológicos Científicos) Patentes internacionales en países industrializados como
- Estados Unidos, Canadá, Perú, Rusia, México

Sistema de Gestión

- Robusto (API - Q1 - Q2- ASME U-U2)
- Propio
- Sólido
- Consolidado
- Certificaciones únicas en el mundo
- 18LCM

Management

- Liderazgo
- Visión
- Misión
- Valores
- Propósito
- Cultura
- E=Mg (RS)2
- Premio Nacional de la Calidad
- Premio Iberoamericano de la Calidad Total
- EFQM 6 estrellas

Responsabilidad Ambiental

- Punto Verde –minimizando el 7.9% del impacto del CO2 (dióxido de carbono) por el uso de combustibles a diésel y reemplazando por tecnología eléctricas en el sector de petróleo - primera industria en Ecuador
- Programa Carbono Cero – Primeras 100 empresas adheridas al programa
- ISO 14001

Responsabilidad Social Corporativa – Buenas Prácticas

- Ética
- Sistema Compliance ISO 37001
- 2020 – 2021 Reconocimiento Ethisphere Industria más ética en el mundo (1 de 2 y 1 de 3 en Oil & Gas y renovables)

www.sertecpet.net



SÍGUENOS

@sertecpet





SERTECPET®