



Summary Report

Major Rig Work Over (MRWO)
Artificial Lift Revision
Job Start Date: 3/5/2012
Job End Date: 3/19/2012

Well Name Larson FV B13X	Lease Larson, F.V.	Field Name Rangely	Business Unit Mid-Continent/Alaska
Ground Elevation (ft) 5,306.00	Original RKB Elevation (ft) 5,319.00	Current RKB Elevation (ft) 5,319.00	Mud Line Elevation (ft)
			Water Depth (ft)

Report Start Date: 3/5/2012

Comment

Held JSA Safety topic was moving rig to FV Larson B13

Rig down rig and road rig to location.

Spot in rig and equipment, RU rig and equipment.

Changed out winch lines on rig.

RU pump and lines. SWIFN.

Report Start Date: 3/6/2012

Comment

Held JSA safety topic was NU BOPs, Checked well pressure had 120 psi on tubing, 80 psi on casing.

Circulated 180 bbls of 10# Brine.

ND well head the hanger was stuck in well head, pulled 75-K was unable to get it to move. Called out KR fishing tool to unseat the hanger. Hanger came out with 80 K over pull. Was unable to pull the tubing and take out the hanger and release the tubing anchor. NU BOPs.

RU PLS RIH with a 2.270" Gauge ring to 5476 ft POOH and RIH with a 2 1/4" jet cutter to 5472 ft had a miss run.

RU with a 2 1/4" jet cutter and cut tubing at 5472 ft, RD PLS and moved wire line off location.

Spot in equipment and RU cat walk, SWIFN.

Report Start Date: 3/7/2012

Comment

Held JSA safety topic was Caliper elevators. Checked well pressure had 0 psi on well.

Caliper elevator's, POOH and LD 170 joints of 2 7/8" Bare tubing.

Had to change out tubing floats and get work string.

Caliper elevator's, PU clean out assembly and RIH with 2 7/8" work string

RU power swivel, CO over top of fish to 5476 ft, POOH with 10 STDs EOT is at 5249 ft, and drained pump and lines SWIFN.

Report Start Date: 3/8/2012

Comment

Held JSA safety topic was PPE, Checked well pressure had 0 psi on well.

Caliper elevators. POOH with 5 1/2" Clean out assembly, LD assembly.

Had Pressure on the flow line, Called Robert Lopez to have the flow line shut in to operate safely.

PU and RIH with 4 11/16 OS with a 2 7/8" grapple with kutrite control, Drain sub 3 3/4" BS, 3 3/4" Super jar, XO, 6- DC, 3 1/2" XO, 4' Pup.

RU power swivel and tag fish top at 5470 FT, fish fell 538 ft, Rotate down to 6008 tagged Fish top and latch onto fish.

RD power swivel, POOH to 3223 FT, SWIFN.

Report Start Date: 3/9/2012

Comment

Held JSA safety topic was LD fishing tools, Checked well pressure had 50 psi on well. Bled off pressure and opened well.

Caliper elevator, POOH with fishing tools, LD fishing tools and 6 ft pup, Gas Anchor, XO. LD 6 3 1/2" DC.

RIH with 5.5" bit and scraper to 5850 ft.

Wait on IPS to test BOPs

Held JSA with IPS to test BOPs, 250 psi low and 1400 psi high, good test, RD IPS.

POOH and LD 5.5" bit and scraper, Drained pump and lines, SWIFN.

Report Start Date: 3/10/2012

Comment

Held JSA safety topic was PU and running packers. checked well pressure had 0 psi on well, opened well.

PU and RIH with 5 1/2" Lok-set packer, with valve set at 5481 ft.

POOH with retrieving head, LD.

PU and RIH with RBP set at 1292 ft.

POOH with ON/OFF tool, SWIFN.

RD rig floor and equipment.

Do rig maintenance.

Report Start Date: 3/12/2012

Comment

Held JSA safety topic was NU BOP's.

Wait on Vetco Gray for equipment.

ND BOP's to change tubing spool.

Wait on Equipment from Vetco Gray, had the wrong bolts for the tubing spool.

Got the right bolt's, put on the tubing spool, NU BOP's.

RIH with Retrieving head with 40 joints Engage RBP at 1292 ft, Released RBP.

POOH with 40 joints and LD RBP.

Made up and RIH with retrieving head and with 170 joints, Fill well with 20 BBL's of brine to test casing. pumping at 3 BPM at 300 psi was unable to get the casing to pressure up and was not able to hold pressure.

POOH with 170 joints of work string.

Report Start Date: 3/14/2012

Comment

Held JSA safety topic was hand placement. Checked well pressure had 0 psi on well. opened well.

Made up 5 1/2" TST packer RIH with 162 joints, set at 5225 ft, Test from 5225 ft to 5481 ft to 350 psi good test, bled off pressure.

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Received 8/22/2013

SWF
3/20/12
DJP



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Comment

Released packer, circulated gas and oil off well.

POOH looking for casing leak. found bottom of leak at 5063 ft, tested at (4192, 3868, 3548, 3483, 3225, 2263, 1940) had a leak at all stops. The leak at 1940 ft bled off 40 psi in 3 minutes.

POOH with 60 joints and LD TST packer, Made up a 5 1/2" Full bore packer. Test from 0 ft to 974 ft to 350 psi.

RIH looking to top of leak, found top of leak at 974 ft.

POOH with 30 joints, LD packer, SWIFN.

Report Start Date: 3/14/2012

Comment

Held JSA safety topic was use of SWA.

Wait on Wire line crew and equipment.

Held JSA with weather ford crew. RU wire truck and RIH with multi arm caliper logging tool, was unable to get the tool to work POOH and RD wire line truck, have to get a new tool.

Wait on wire line tools, did rig maintenance

Report Start Date: 3/15/2012

Comment

Held JSA safety topic was operation of power tongs. Checked well psi SICP 0 psi, opened well.

RU Weatherford wire line, RIH with multi arm caliper log, log from 5461 ft to surface, found multiple holes in casing. RD wire line, SWIFN.

Report Start Date: 3/16/2012

Comment

Held JSA safety topic was forklift operation from SOS Book, Checked well pressure had 0 psi on well, opened well.

RIH with 168 joints of 2 7/8" tubing, EOT at 5416 ft, dumped 4- 100 LBS SKS of sand down tubing pulled 10 joints.

Wait 1 HR.

RIH tag 5 ft of sand, on RBP at 5486 ft, laydown and load tubing.

LD and load 168 joints, of work string.

Go over JSA and safety topic's with Marty Knauss.

Made up 1.81" R nipple, XO, 5 1/2" PS1-X packer RIH with 28 joints set packer at 924 ft, SWIFN.

Report Start Date: 3/19/2012

Comment

JSA Safety Meeting, Discussed R/D

Weekly Safety Board Drills, Fire, Spill, Bop and Emergency Evacuation.

W/O PLS, PLS attending required training @ Chevron office.

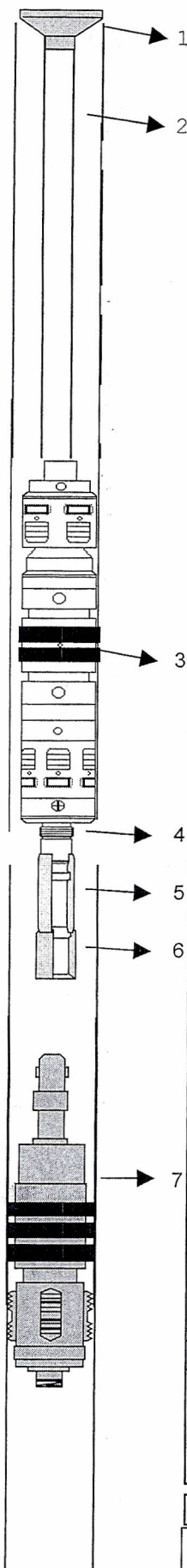
R/U PLS and set 1.81 plug in profile nipple, R/D PLS.

R/D rig floor and pump and lines.

N/D BOP and N/U top flange.

Move unit from FV Larson 13 X to MB Larson C 9 X 25.

*****JOB COMPLETE*****



COMPANY: CHEVRON USA INC.		C. LING	LINER	TUBING	TAILPIPE
WELL NUMBER: F.V. Larson B13x	SIZE	5 1/2"		2 7/8"	
FIELD/LEASE: RWSU	WEIGHT	14#		6.5#	
COUNTY: Rio Blanco	GRADE			J-55	
STATE: Colorado	THREAD	EUE		EUE	
DATE: 19-Mar-12	DEPTH			904.54	

ITEM	DESCRIPTION	O.D.	I.D.	LENGTH	DEPTH
Well Type: Temporary Shut-In		END OF TAILPIPE			927.60
	KB			13.50	
1	Hanger			0.85	13.50
2	28 Joints 2 7/8" Bare Tubing	3.668	2.441	904.54	14.35
3	5 1/2" x 2 7/8" PS-1X Premium Packer RHS-RHR	4.641	2.401	6.97	918.89
4	2 7/8" B x 2 3/8" P X-Over	3.668	1.995	0.44	925.86
5	1.81 R-Nipple	3.063	1.810	0.86	926.30
6	2 3/8" Collar	3.063	1.995	0.44	927.16
					927.60
7	5 1/2" Loc-Set W/ Mechanical Valve Set at 170 Joints In Spotted 4 Sacks of Sand on top	4.641	N/A	6.00	5481'

Comments:
Casing Holes From 974'-5063'
Packer set in Tension 12,000#

Prepared For: MR. Jeff Pickett	Prepared by: Andy Key
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MILLER PUMPS / PACKERS
1161 E. 1300 S. VERNAL UT.
435.781.0666

SCANNED INTO EWF
 Date 3/30/12 Initial ze