



Summary Report

Abandon
Abandon Well - Permanent
Job Start Date: 12/11/2019
Job End Date: 2/2/2020

Well Name NAP Government 1-A		Lease	Field Name Canyon South	Business Unit Mid-Continent	
Ground Elevation (ft) 5,463.00	Original RKB (ft) 5,472.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 12/11/2019

Com

Pre job safety meeting with all business partners involved in operations on both well locations

R/U Cutters electric line, test lubricator to 500 psi for 5 minutes

RIH with 1" GR/CCL to tag at 4,106' (top perforation at 4,105')

EOT at 4,076'

POOH with same while logging tubing, 119 joints of tubing in wellbore

Hot tap surface casing and find 110 psi on 8 5/8" x 5 1/2" surface annulus

Operations to perform gas analysis and bleed off pressure

Pump 25 bbls river water down 5 1/2" production casing, casing on a vacuum

Operations suspended. Waiting on SPN rig to P&A well

Report Start Date: 1/14/2020

Com

Spot in and R/U SPN #8

Finish spotting in remaining rig equipment

Debrief

Inactive

Report Start Date: 1/15/2020

Com

No activity at well site

Warm up equipment

Safety Meeting and JSA review

Discussed SWA, Tenet, We Lead, SIF

Finish rigging up pump, tank, hardlines and other equipment.

Caliper elevators

SICP-80psi
SITP-80psi
Bleed off pressure- all gas
Flow check for 15mins- No flow, no gas- well dead- (WSEA 10A)

ND Larkin wellhead- had lots of issues getting the Larkin wellhead apart.

Changed out pipe rams from 2 7/8" to 1 5/8" rams
Tested blind rams on stump 250 low 5mins/600psi high 10mins- test good.

Attempt to strip on Larkin head x 3k 7 1/16" adaptor. Could not get flange to start. Would make 1/2 turn and would not get more. Removed and clean threads real good. Never could get adaptor to makeup Discussed with provider and they sent out a new 5k flange.

PU 5 1/2" TST packer and make up to 1 5/8" string, RIH 6' and set packer. Wait on new flange to arrive.

Attempt to make up new 5k 7 1/16" adaptor. Adaptor would only make up 80%. Stripped on BOP and attempt to test. Would not hold 250psi low test.

Discussed issues with supt/engineer.

Sent 3k adaptor in to have threads machined and will try in the morning.

Winterize equipment and SWFN

Debrief daily activity

No activity at well site

Report Start Date: 1/16/2020

Com

No activity at well site

Warm up equipment

Safety Meeting and JSA review

Discussed SWA, Tenet, We Lead, SIF

Check well pressure
0 psi SICP
10 psi SITP

Open well up and bleed off gas well dead. Monitored well for flow- 15mins.

ND BOP and remove 5k adaptor flange
Inspect and cleaned threads with thread file.
Install recut 3k Larkin head adaptor. Flange made up correctly.



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Com
NU 7 1/16" 5M double gate BOPE with 1 5/8" pipe rams on top of blind rams and 7 1/16" 5M annular (WSEA 8B)
R/U rig floor and equipment

Pull packer and 1 jt of 1 5/8" tbg, install cross over and run 5 1/2" TST packer back in the well to 20'
Set packer and test BOP as follows: (WSEA 9A):

- Annular- 5 minute 250 psi low, 10 minute 600 psi high
 - 1 5/8" pipe ram- 5 minute 250 psi low, 10 minute 600 psi high
 - BPV (SN 10028620)- 15 minute 600 psi
 - Kelly valve- 5 minute 250 psi low, 10 minute 600 psi high
 - 2 3/8" TIW valve (1)- 5 minute 250 psi low, 10 minute 600 psi high
 - 2 3/8" TIW valve (2)- 5 minute 250 psi low, 10 minute 600 psi high
 - 2 7/8" TIW valve (1)- 5 minute 250 psi low, 10 minute 600 psi high
 - 2 7/8" TIW valve (2)- 5 minute 250 psi low, 10 minute 600 psi high
- All tests charted and passed with 0 psi bleed off

-Blind rams were stump tested 11/15/19 before BOP was nipped up

TOH LD 119jts of 1 5/8" tbg
Tbg threads had a sealer on them and the tongs would not break the jts. Had to use pipe wrenches and cheaters on each jt.
Tubing condition overall was good. There was collar ~2200' which was split

(Pulled 3.5bbbls of displacement, 0 fill up, well remains dead)

Flow check well for 15mins (WSEA 10-B)
Shut in on blind rams (Blind Rams tested on 1/15/19) (WSEA 10C)
Change out 1 5/8" rams for 2 7/8" pipe rams (WSEA 8B)
PU 5 1/2" fullbore packer, RIH and set packer 20'
Pressure test Pipe rams- 250 Low 5mins/600high 10mins- Test good (WSEA 9)

While performing test old casing valve started leaking at the stem, attempted to pump grease and tighten packing up would not stop. Replaced valve with new ball valve and plug.

Move in pipe racks and work string, offload work string and tally.
PU 4 3/4" bit and scrapper, TIH w/ 48 jts of 2 7/8" WS EOT @ 1516'

(4bbbls of displacement, 0 fluid to surface, well remains dead)

SWFN, winterize equipment, and debrief.

No activity at well site
Report Start Date: 1/17/2020

Com
No activity at well site

Warm up equipment

Safety Meeting and JSA review

Discussed SWA, Tenet, We Lead, SIF

Check well pressure
0 psi SICP
0 psi SITP

Open well up- well dead

Finish TIH w/ scraper and bit- tagged fill @ 4102'

(Displaced 6.5 bbbls, no fluid to surface well remains)

TOH w/ 65 stds of 2 7/8"
LD Scraper and bit

(Pulled 10bbbls, 0 fillup, well remains dead)

PU 5 1/2" CIBP TIH w/ 64 stds of 2 7/8" WS
Set CIBP @ 4051' Tally depth w/ KB (4039' No KB)

(Displaced 10bbbls, 0 fillup, well remains dead)



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Roll hole with 95bbls of FW Took 52 bbls to break circulation	Com
Pressure test casing/plug to 350psi- Test had 90psi gain in pressure	
TOH w/ 64 stds of 2 7/8" WS LD CIBP setting tool	
(Pulled 10bbls, no fillup, well dead)	
MIRU Cutter WL RU lub and pressure test to 500psi- 5 mins- Test good RIH and log from CIBP @ 4039' to surface TOC @ 3594' Cement bond looks very good RDMO WL truck	
TIH w/ 64 jts of 2 7/8" WS	
Retest casing/plug 350psi-15mins- ~20psi gain- Test good	
Pull 10 stds of 2 7/8" WS, Winterize equipment and debreif daily activity	
Crew Travel to Rangely No activity at well site	
Report Start Date: 1/18/2020	
No activity at well site	Com
Report Start Date: 1/19/2020	
No activity at well site	Com
Report Start Date: 1/20/2020	
No activity at well site	Com
Warm up equipment	
Safety Meeting and JSA review	
Discussed SWA, Tenet, We Lead, SIF	
Check well pressure 0 psi SICP 0 psi SITP Open well up	
Caliper and inspect elevators	
TIH w/ 10 stds of 2 7/8" WS	
EOT @ 4040'	
R/U BJ Cementing Services Due to small location it took a bit to get equipment rigged up	
Pump 1st cement plug as follows:	
Load lines and truck, pressure test lines to 3000 psi	
-Mix and pump 20 sacks (4 bbls) 15.8 ppg, 1.15 yield, class G cement	
-Displace with 21.5bbls fresh water to balance cement plug	
-L/D 5 joints 2 7/8" work string and reverse cmt top clean @ 3873'	
Balanced plug from 4040' to 3873'	
-Reverse circulate clean with 29 bbls fresh water, got .25bbls of cmt in returns	
Wait on CMT for 5 hrs as per BJ recommendation from 10:30 to 15:30	
SISCP- 50psi- Remove bullplug and install valve for surface cement job	
RU Chart recorder and pressure test casing to 320psi- 15min- Test good (WSEA 10D)	
TIH w/ 2 stds from derrick and PU 1 jt Tag cmt @ 3883'- ~10k lbs and with pumps off	



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Pump 2nd cement plug as follows: Com

- Mix and pump 25 sacks (5.1 bbls) 15.8 ppg, 1.15 yield, class G cement
- Displace with 20.5bbls fresh water to balance cement plug
- L/D 9 joints 2 7/8" work string and reverse cmt
- Balanced plug from 3873' to 3657'
- Reverse circulate clean with 60 bbls fresh water, got less than .25bbls of cmt in returns

RDMO BJ Cement service
 TOH w/ 10 stds of 2 7/8" WS
 Winterize equipment and debrief daily activity
 No activity at well site

Report Start Date: 1/21/2020

No activity at well site Com

Warm up equipment
 Safety Meeting and JSA review

Discussed SWA, Tenet, We Lead, SIF

Check well pressure
 Opsi SICP
 Opsi SITP
 Open well up

Caliper and inspect elevators
 TIH w/ 10 stds of 2 7/8" WS and PU 3 jts

Tag cmt @ 3664' - ~10k lbs and with pumps off (WSEA 10E)

RU Chart recorder and pressure test casing to 350psi- 15min- Test good
 TOH LD 117 jts of 2 7/8" WS

MIRU Cutters WL tbg
 RU Lub. and test to 500psi- 5 mins- Test good
 RIH with 3 1/8" perforating gun loaded with 4 SPF at 90 degree phasing
 Perforate 5 1/2" production casing at 800', POOH w/ perf guns- all shots fired
 R/D Wireline

Break circ with 64bbls, circulated 135bbls total.

JSA/job meeting with BJ Service and SPN well service

Discussed MOC to change cmt slurry from 15.8 Class G to 13.0 ppg S100 blend. This change was due to surface plug cmt falling on the GOV 2-A (MOC#-20-006F)

Spot in and R/U BJ Services cmt truck

Pump surface cement plug as follows:

- Prime pumps and fill lines, test same to 1500 psi
- Mix and pump 156 sacks (55 bbls) 1.985 yield 13.0 ppg S100 cement down 5 1/2" production casing taking returns up surface casing
- Had good returns throughout job. Cement to surface after 50bbls. Total of 55bbls pumped.

Wash up surface lines
 R/D and release BJ Cementing Services
 Winterize equipment and debrief daily activity
 Debrief daily activity

Report Start Date: 1/22/2020

No activity at well site Com

Warm up equipment
 Safety Meeting and JSA review

Discussed SWA, Tenet, We Lead, SIF

Company Confidential - Restricted



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Check well pressure Opsi SICP- Slight Vacuum Opsi SICP- Slight puff Open well up	Com
Caliper and inspect elevators PU 1 jt of 2 7/8" WS Tag cmt @ ground level (WSEA 10-G) RD floor and ND 7 1/16" 5k BOPE	
Once BOPs were off well surface casing was checked again and again there was a slight puff of gas. Installed 90 and nipple and filled with water. A bubble would surface every 3-5 seconds. Removed surface valve and stuck a wire down casing and it appears that cmt is about 6" bellow valve. Check gas and had LEL in the gas. Discussed with Supt/Engineer and decision was made to monitor thru weekend.	
Clean returns tank and flat tank RD all equipment, move everything out of the canyon except doghouse and tool skid	
Debrief daily activities No activity at well site	
Report Start Date: 1/23/2020	
No activity at well site	Com
Well was shut in all night. SISCP- 70psi- Gas bleed right off ~1second. No volume. Well continues to bubble like prior finding.	
Warm up equipment and prepare to leave staging area when decision was made to leave the rig in South Canyon and release the crew for the weekend while well was monitored and BLM/COGCC/Chevron created a POA.	
No activity at well site	
MIRU B&C quick test and perform injection/leak off test. Could not established sustained injection rate. Pressure up 700psi and had 200psi bleed in 1 1/2 minuets. Able to pump a total of 4gals into the well before stopping. RDMO B&C testers	
No activity at well site	
Report Start Date: 1/24/2020	
No operations at well site. SISCP- 35psi- open to flow during day.	Com
Report Start Date: 1/25/2020	
Monitor well- SISCP 55psi	Com
Report Start Date: 1/26/2020	
Monitor well- SISCP- 70psi- Well left open for 24hrs State approved Nanoseal job. Will perform it on 1/29/20	Com
Report Start Date: 1/30/2020	
Pre job safety meeting and WellSafe pre-operations meeting R/U Schlumberger pump truck	Com
Wrap WH with heat blankets and thaw out frozen water SISCP: 20 psi on a 2000 psi gauge	
Fill surface lines with NanoSeal chemical and test same to 1000 psi Begin hesitate squeezing NanoSeal down 5 1/2" x 9 5/8" surface annulus up to 800 psi Shut-in well with 780 psi on surface casing	
Total volume of NanoSeal pumped into wellbore estimated at 12 gallons R/D and release Schlumberger	
Inactive	
Report Start Date: 2/2/2020	



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SISCP: 50 psi Com

Bleed off pressure instantaneously

Monitor surface annulus for gas migration and bubbling

Small, intermittent drip with very limited bubbling

Consult with WIE and decide to leave it open and hand over the well to EMC for cutoff and reclamation

WIE will contact BLM Monday for an update

Final D&C report