

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CP-1
March 2010

This Form must be Typed
Form must be Signed
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act,
MUST be submitted with this form.

OPERATOR: License #: _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____

API No. 15 - _____
If pre 1967, supply original completion date: _____
Spot Description: _____
____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
____ Feet from North / South Line of Section
____ Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: _____
Lease Name: _____ Well #: _____

Check One: Oil Well Gas Well OG D&A Cathodic Water Supply Well Other: _____
 SWD Permit #: _____ ENHR Permit #: _____ Gas Storage Permit #: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks
Surface Casing Size: _____ Set at: _____ Cemented with: _____ Sacks
Production Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

List (ALL) Perforations and Bridge Plug Sets:

Elevation: _____ (G.L. / K.B.) T.D.: _____ PBTD: _____ Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Junk in Hole Casing Leak at: _____
(Interval)

Proposed Method of Plugging (attach a separate page if additional space is needed):

Is Well Log attached to this application? Yes No Is ACO-1 filed? Yes No

If ACO-1 not filed, explain why:

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: _____
Address: _____ City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____
Plugging Contractor License #: _____ Name: _____
Address 1: _____ Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____

Proposed Date of Plugging (if known): _____

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form KSONA-1

July 2021

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**CERTIFICATION OF COMPLIANCE WITH THE
KANSAS SURFACE OWNER NOTIFICATION ACT**

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____ Fax: (_____) _____

Email Address: _____

Well Location:

____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West

County: _____

Lease Name: _____ Well #: _____

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

- I certify that, pursuant to the Kansas Surface Owner Notice Act (see Chapter 55 of the Kansas Statutes Annotated), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I Submitted Electronically

I

Form	CP1 - Well Plugging Application
Operator	XTO Energy Inc.
Well Name	RIFFEL, HARRY M 1-14
Doc ID	1800718

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
2668	2682	Herington	
2690	2706	Krider	



XTO: Harry M. Riffel #1-14
Sec 14- 22S - 32W
Finney County, KS
April 24th, 2024

AFE#: PA.2024.08896.EXP.01
API#: 15-055-00763
Gross AFE Cost: \$48,675
Net WI%: 60% (Hugoton Trust)
TD: 2,738'
PBTD: 2,709'
KB: 2,926' (5')
GL: 2,921'

Casing Detail:

	Size	Weight	Grade	Depth (ft KB)	Cmt	Drift (in)	80% Burst	80% Collapse	Cap. (bbl/ft)
Surface	8-5/8	24	J-55	208	200	7.972	2360	1096	0.0637
Production	5-1/2	14	J-55	2735	125	4.887	3416	2496	0.0244

DV tool @ 2109' cmt'd w/ 600 sks
 TOC is unknown.

Tubing Detail:

1 2 3/8" x 4' tbg sub
 86 2 3/8", 4.7#, J55 tbg
 1 SN @ 2692'
 1 4' MA
 EOT @ 2702'

Rod Pump Details:

- 1 1 1/8" x 16' PR w/ 1 3/8" x 6' liner
- 2 5/8" rod subs (8', 2')
- 106 5/8" rods
- 1 2" x 1 1/4" x 12' RWBC pump
w/ 1" x 6" strainer nipple

Perforations:

Zone	Depth	SPF	Holes	Stimulation	Status
Krider	2690'-2706'	4	NA	Acid w/ 500g 7 1/2% HCl. Flo 20g AW & 104 MCF/D in 5 hrs. Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D 9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp. 12/14/91 Acid Herr & Kri 1000g 15% HCl FE.	Rod Pump
Herington	2668'-2682'	4	NA	Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D. 9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp. 12/14/91 Acid Herr & Kri 1000g 15% HCl FE.	Rod Pump

Status: The Harry M. Riffel #1-14 was completed in Krider and Herington formation. The well was put on rod pump but faced downhole issues due to FeS scaling and was repaired multiple times. The well has been shut in since December 2023 due to low pressure and attempts to reflow the well failed. The lease has also expired as of date and geology confirmed no up-hole potential.

Objective: Plug and Abandon.

Well Classification: Class A (Legacy Class I) well. Pressure is expected to be below 300 psig

NOTES:

- Refer to page 13-38 of the safety handbook for Life Saving Actions.
- Check and record all casing/tubing string pressures in Wellview each morning.
- Please keep additional @2,500' 2-3/8" YB/BB tubing string as the well has FeS scaling issues.
- **Well Fluid Level: 2,272' (04/19/24)**
- **Well Pressure: Unknown**
- Class 'A' cement has been used of yield of 0.2103 bbl/sk (1.18 ft³/sk)
- Metal Volume factor for 2-3/8" tubing string – 0.0016 bbl/ft
- Volume factor for 5-1/2" Csg x 8-5/8" Csg annulus – 0.0343 bbl/ft
- Volume factor for 5-1/2" Csg x 7-7/8" borehole annulus – 0.0309 bbl/ft
- Volume factor for 2-3/8" tbg string x 5-1/2" Csg annulus – 0.018 bbl/ft
- Volume factor for 2-3/8" tubing string – 0.0039 bbl/ft

Procedure:

1. A notification of Intent to Plug (Form KSONA-1) must be filed with the KCC Conservation Division at least five days prior to commencement of plugging operations. The five-day notice requirement may be reduced or waived:
 - (a) If a qualified representative of the Conservation Division is available to witness the plugging operations.
 - (b) At the discretion of the District Manager of the District in which the well is located or his supervisor.
 2. Notify the KCC District Office at least 24 hours prior to plugging subject well to allow witnessing by field inspectors.
 3. Review **OIMS System 3.2 Well Work Equipment** SOPs for Class A (legacy Class I) wells.
 4. Verify all contractors are approved in ISN and have a valid MSA prior to commencing work.
 5. Review and complete the **Well Preparation Checklist** and **Workover Rig Pre-job Checklist**. Utilize the **Workover Safeguard Register** throughout the job.
-
6. MIRU WOU. HSM. Blow well down. Perform LOTO. Unseat Pump and allow fluid to equalize. POOH laying down rods and pump.

Note: If the rods are stuck, please contact KCC for change in procedure & next steps

7. Pump 60 bbl of water down casing to kill well. Monitor pressures and repeat process until well is killed. Install TIW valve and ND WH. NU 3M manual BOP w/ 2-³/₈" pipe over blind rams. Maintain two well control barriers. Hydrostatic head will be considered one barrier. Ensure that TIW valve and wrench have appropriate threads are located on the rig floor in the open position.

Note:

- Copy of valid certification and last BOP shop test date & pressure to be reviewed by XTO representative. Function test BOP daily.
- Water vol. = vol. of 2-3/8" tbg string of 2702' (10.5 bbl) + vol. of 2-3/8" x 5-1/2" annulus of 2702' (51.1 bbl)

8. MIRU scanalog unit. Scan tubing while racking back yellow and blue-band tubing and lay down red-band, green-band tubing. RDMO scanalog unit.
9. RIH w/ 5-1/2" 10K tubing set CIBP and hydraulically set CIBP @ 2618'. PU tbg off CIBP and circulate with 9 ppg mud down tubing and up casing (~60 bbls of mud).
10. Mix and spot 10 sks of Class 'A' cement to cap the CIBP @ 2618' (*Displace with not more than 9.6 bbl to suspend a balanced plug*). PUH w/ tubing string @ 2159'. TOC estimated after PUH w/2-3/8" tbg is 2532' (Intention is to cap the CIBP)

Note:

- Mud circulation vol. = vol. of 2-3/8" tbg string of 2618' (10 bbl) + vol. of 2-3/8" x 5-1/2" annulus of 2618' (50 bbl)
- Max Displacement vol for CIBP spot plug = [Height of top of cement plug from surface (2532') - Metal vol. equivalent height of fluid in 2-3/8" tbg string (36')] x volume factor of tubing string = ~9.6 bbl

11. With EOT @ 2159' mix and spot 20 sks of Class 'A' (*Displace with not more than ~7.4 bbl to suspend a balanced plug*) cement plug. Estimated TOC after PUH w/tubing string is 1987' and here intention is to cover the DV tool @ 2109' and have at least 50' plug above and below it.

Note: Max Displacement vol for DV tool covering plug = [Height of top of cement plug from surface (1987') - Metal vol. equivalent height of fluid in 2-3/8" tbg string (72')] x volume factor of tubing string = ~7.4 bbl

12. TOO H w/ EOT @ 1350'. Mix and pump (+/-) 20 sks of Class 'A' (*Displace with not more than 4.2 bbl to suspend a balanced plug*). Estimated TOC after PUH w/tubing string is 1180' and here intention is to cover the casing leak @1289'. WOC and tag TOC. Pressure Test the casing to 300 psi.

Note:

- *If the pressure test fails, please contact KCC for change in procedures & next steps*
- *Max Displacement vol for Csg leak plug = [Height of top of cement plug from surface (1180') - Metal vol. equivalent height of fluid in 2-3/8" tbg string (72')] x volume factor of tubing string = ~4.2 bbl*

13. MIRU wireline unit. NU WL PCE. PU and TIH w/ RCBL. Pull up the RCBL to verify the TOC. TOO H w/ RCBL.

14. **A. If TOC is deeper than 1150', then:**

- I. PU and TIH w/ casing collar locator and squeeze guns (4 SPF, 0.042' hole, 22.7g, 32" pen). Perforate (+/-) 1150'. TOO H with squeeze guns. RDMO WL.
- II. Lower EOT @1150'. Mix and pump 50 sks of Class 'A' cement. Flush with 3 bbls of 9 ppg mud. PUH to 750'. Close pipe rams. Load casing. Once casing is loaded, pump 6 bbls to sqz ~ 25 sks of cement in sqz holes. Fill the hole w/ 9 ppg mud or until circulation is established. Close the 2-3/8" tubing x 5-1/2" casing annulus and open 5-1/2" casing x 8-5/8" casing annulus and pump additional 6 bbl of mud to pressurize 5-1/2" Csg to squeeze 6 bbl of cement slurry into the annulus via perfs to cover the useable water table @1150'. Estimated TOC after pulling up hole w/2-3/8" tbg is ~966' in the 5-1/2" Csg. WOC. RIH and tag TOC. Report tag depth. POOH with tbg.
- III. RU wireline. NU WL PCE. PU and TIH w/ Casing collar locator and squeeze guns (4 SPF, 0.042' hole, 22.7g, 32" pen). Perforate (+/-) 258'. TOO H with squeeze guns.
- IV. RD wireline. RU pump to pump down the 5-1/2" casing with 9 ppg mud to breakdown the perfs and establish circulation to the surface out of the 8-5/8" casing outlet. Mix and pump (+/-) 85 sks of Class 'A' cement and circulate to the surface. Continue to pump cement down the 5-1/2" casing until cement returns are seen from the 8-5/8" annulus.

B. If TOC is shallower than 1150', then:

- I. RIH w/ 2-3/8" tubing string w/ EOT @150'. Mix and spot 25 sks of Class 'A' cement plug and displace with no more than 3.4 bbl to spot a cement plug from 1150'. TOO H w/tbg string. (Estimated TOC after TOO H w/ 2-3/8" tbg string is 1000' if we pump 25 sks. Here intention is to have cement 50' below to 50' above the useable water table)

Note: Max displacement vol for Useable Water table covering plug = [Height of top of cement plug from surface (1000') – Metal vol. equivalent height of fluid in 2-3/8" tbg string (68')] x volume factor of tubing string = ~3.3 bbl.

- II. RU wireline. NU WL PCE. PU and TIH w/ casing collar locator and squeeze guns (4 SPF, 0.042' hole, 22.7g, 32" pen). Perforate (+/-) 258'. TOOH with squeeze guns.
- III. RD wireline. RU pump to pump down the 5-1/2" casing with 9 ppg mud to breakdown the perms and establish circulation to the surface out of the 8-5/8" casing outlet. Mix and pump (+/-) 85 sks of Class 'A' cement and circulate to the surface. Continue to pump cement down the 5-1/2" casing until cement returns are seen from the 8-5/8" annulus.

Note:

- 6 bbl class 'A' cement slurry in 7-7/8" x 5-1/2" annulus will rise to ~1006' i.e (+/-) 30 sks of cement, remaining (+/-) 20 sks of class 'A' cement slurry in 5-1/2" csg will rise till 1016.'
- 5-1/2" Csg x 7-7/8" hole annulus will need (+/-) 8 sks of cement f/258' till 8-5/8" Csg shoe.
- 5-1/2" Csg x 8-5/8" Csg annulus will need (+/-) 34 sks of cement f/208' till surface.
- To fill the 5-1/2" Csg string till surface will need (+/-) 30 sks of cement.

15. Dig out around wellhead. Have XTO representative on location to fill out Hot Work permit before continuing (refer to pages 21 – 23 of XTO Safety Handbook). Cut off 4' below ground level.
16. RDMO P&A WOU. Cap well with ID plate that includes well name and date of plugging. Release all equipment. Backfill cellar and dig up rig anchors. Restore location to landowner and KCC specifications.

NOTE: Keep and send all yellow-band and blue-band production tubing to the Ringwood yard. Please communicate with Plugging Company that we are keeping this tubing. Sell recovered red-band and green-band tubing to the Plugging Company as salvage.

Prepared by:

DocuSigned by:
Anurag Ray
C24F416F404C4BC... May 6, 2024

Anurag Ray
Wells Management Engineer, BTC

Date

Concur:

DocuSigned by:
Jack Mayo
6108020AAC124EF... May 7, 2024

JD Mayo
Well Srvc Ops Supt

Date

DocuSigned by:
Kris Kruse
D36F158D8B504EC... May 6, 2024

Kris Kruse
Ops Engineering Manager

Date

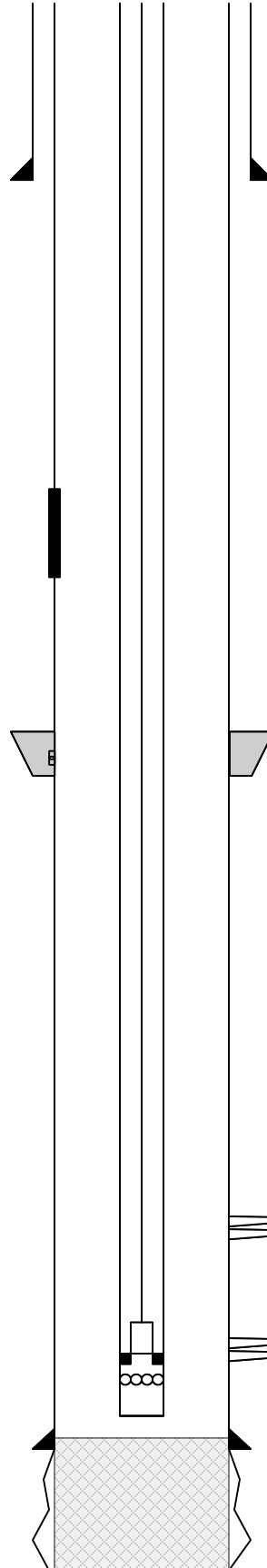
Current Completion

Riffel, Harry M. 1-14

SEC 14-22S-32W
Finney County, KS
API #: 15-055-00763
Spud: 12/14/58
Comp: 12/23/58
WI: 50%
NRI: 43.75%

Surf Csg: 8 5/8", 24#, J55 csg set @ 208'.
Cmt'd w/ 200 sk pozmix - circ'd to surface.

GL: 2921'
KB: 2926'



Tubing: (11/22/10)
1 2 3/8" x 4' tbg sub
86 2 3/8", 4.7#, J55 tbg
1 SN @ 2692'
1 4' MA

Pump & Rods: (11/23/10)
1 1 1/8" x 16' PR w/ 1 3/8" x 6' liner
2 5/8" rod subs (8', 2')
106 5/8" rods
1 2" x 1 1/4" x 12' RWBC pump
w/ 1" x 6" strainer nipple

Csg leak @ 1289'
cmt sqz w/ 100 sk

DV tool @ 2109'
cmt'd w/ 600 sk pozmix

History:

- 12/58 D/O csg shoe to 2738', tst'd dry. Stim OH w/ 250g 15% acid. Swabbed dry. Sqz w/ 50 gal Cealment, D/O to 2709'. Perf Krider & stim w/ 500g 7.5% HCl. Frac Krider + Herington together w/ 16,000g 2% acid + 16,000# snd + 400# rock salt in 2 stages. IP 2354 MCF/D.
- 2/78 Csg leak @ 1289' - sqz'd w/ 100 sk 'H', tst'd to 600# - OK.
- 9/80 Stim w/ 5000g 15% FeHCl.
- 12/91 Stim w/ 1000g 15% FeHCl.
- 11/03 MI and set WHC, inc from 50 to 80 MCF/D. Release WHC after 4 months, pulled down to 50 mcf/d.
- 3/06 WH compression test.
- 4/06 Acidized w/ 490 gals 15% HCl + 10 gals 10% Acetic acid. Keep WH compression on well.
- 4/07 WHC Test. Uneconomic.
- 11/10 Pump change, pump stuck in SN.

PU Down - Stuck pump
Electric Meter Removed

Prod Csg: 5 1/2", 14#, J55 set @ 2735'.
Cmt'd w/ 125 sk pozmix + 300 gal Cealment.
DV tool @ 2109', cmt'd w/ 600 sk pozmix.

Herington 2668'-82' (4 SPF)
Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D.
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

Krider 2690'-706' (4 SPF)
Acid w/ 500g 7 1/2% HCl. Flo 20g AW & 104 MCF/D in 5 hrs. Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

DO shoe to 2738'.
Tst Dry. Acid 250g 15% & flush w/ 1000g 2% acid & 1500g wtr. Swab dry. cmt w/ 50g Cement. DO to 2709'.

PBTD: 2709'
TD: 2738'

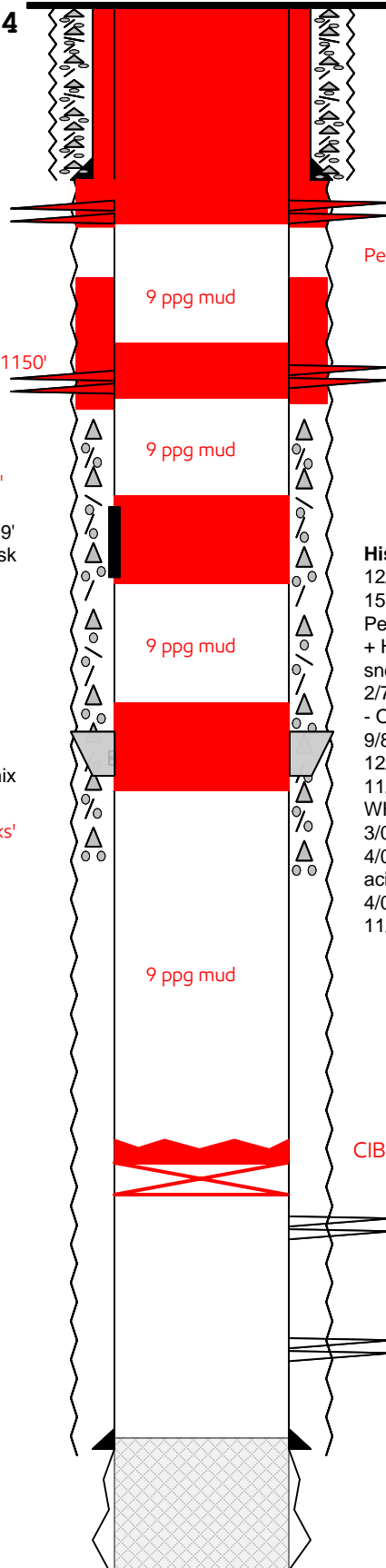
Proposed P&A if TOC deeper than 1150'

Riffel, Harry M. 1-14

SEC 14-22S-32W
Finney County, KS
API #: 15-055-00763
Spud: 12/14/58
Comp: 12/23/58
WI: 60%

Surf Csg: 8 5/8", 24#, J55 csg set @ 208'.
Cmt'd w/ 200 sk pozmix - circ'd to surface.

Prod Csg: 5 1/2", 14#, J55 set @ 2735'.
Cmt'd w/ 125 sk pozmix + 300 gal Cealment.
DV tool @ 2109', cmt'd w/ 600 sk pozmix.



85 sks cement squeezed and circulated f/ perf's @ 258' to surface

- f/258' - 208' (8-5/8" Csg shoe) in the 5-1/2" X 7-7/8" annulus (~ 9 sks)
- f/208' till to the surface in the 8-5/8" x 5-1/2" annulus (~34 sks)
- Remaining sks in 5-1/2" Csg string till the surface (~30 sks)

Perf @ 258'

Here TOC less tha 1150'
Perf @ 1150'

Cement Plug set f/1150' to 966' in the 5-1/2" Csg (w/ reaming 20 sks of cement)

Cement Plug set f/1352' to 1180' w/20 sks'
(Cover Csg leak @ 1289')

Csg leak @ 1289'
cmt sqz w/ 100 sk

DV tool @ 2109'
cmt'd w/ 600 sk pozmix

Cement Plug set f/2159' till 1987' w/20 sks'
(Cover DV tool @2109')

History:

12/58 D/O csg shoe to 2738', tst'd dry. Stim OH w/ 250g 15% acid. Swabbed dry. Sqz w/ 50 gal Cealment, D/O to 2709'.
Perf Krider & stim w/ 500g 7.5% HCl. Frac Krider + Herington together w/ 16,000g 2% acid + 16,000# snd + 400# rock salt in 2 stages. IP 2354 MCFD.
2/78 Csg leak @ 1289' - sqz'd w/ 100 sk 'H', tst'd to 600# - OK.
9/80 Stim w/ 5000g 15% FeHCl.
12/91 Stim w/ 1000g 15% FeHCl.
11/03 MI and set WHC, inc from 50 to 80 MCFD. Release after 4 months, pulled down to 50 mcf.
3/06 WH compression test.
4/06 Acidized w/ 490 gals 15% HCl + 10 gals 10% Acetic acid. Keep WH compression on well.
4/07 WHC Test. Uneconomic.
11/10 Pump change, pump stuck in SN.

CIBP @ 2618' covered w/10 sks of Cement

Herington 2668'-82' (4 SPF)
Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D.
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

Krider 2690'-706' (4 SPF)
Acid w/ 500g 7 1/2% HCl. Flo 20g AW & 104 MCF/D in 5 hrs. Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

DO shoe to 2738'.

Tst Dry. Acid 250g 15% & flush w/ 1000g 2% acid & 1500g wtr. Swab dry. cmt w/ 50g Cement. DO to 2709'.

PBTD: 2709'
TD: 2738'



SWC 7/14/04
KSB 7/23/15
AR 4/25/24

GL: 2921'
KB: 2926'

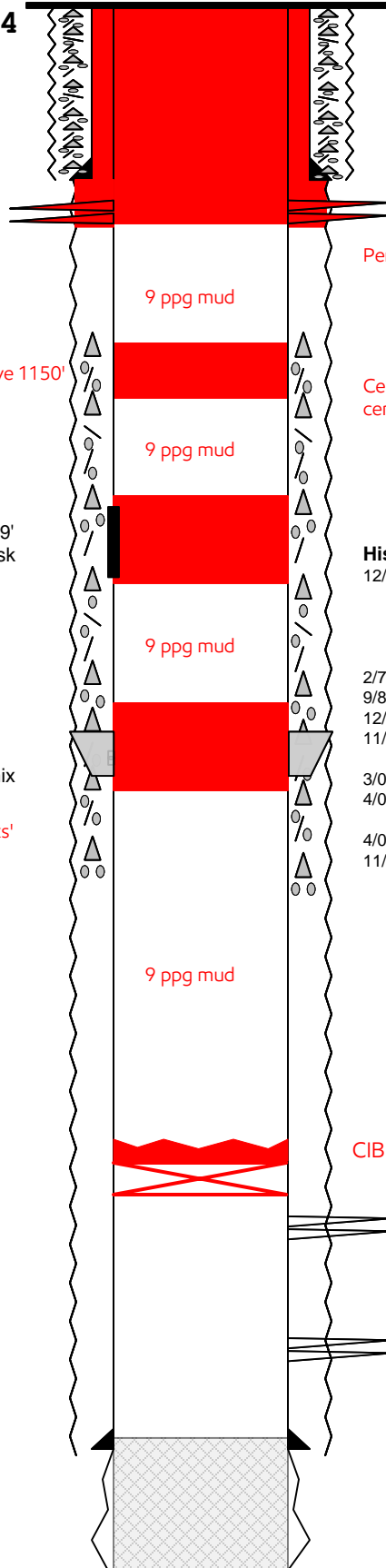
Proposed P&A if TOC shallower 1150'

Riffel, Harry M. 1-14

SEC 14-22S-32W
Finney County, KS
API #: 15-055-00763
Spud: 12/14/58
Comp: 12/23/58
WI: 60%

Surf Csg: 8 5/8", 24#, J55 csg set @ 208'.
Cmt'd w/ 200 sk pozmix - circ'd to surface.

Prod Csg: 5 1/2", 14#, J55 set @ 2735'.
Cmt'd w/ 125 sk pozmix + 300 gal Cealment.
DV tool @ 2109', cmt'd w/ 600 sk pozmix.



85 sks cement squeezed and circulated f/ perf's @ 258' to surface

- f/258' - 208' (8-5/8" Csg shoe) in the 5-1/2" X 7-7/8" annulus (~ 9 sks)
- f/208' till to the surface in the 8-5/8" x 5-1/2" annulus (~34 sks)
- Remaining sks in 5-1/2" Csg string till the surface (~30 sks)

Perf @ 258'

If TOC at or above 1150'

Cement Plug set f/1150' to 985' in the 5-1/2" Csg (w/ 25 sks of cement)

Cement Plug set f/1352' to 1180' w/20 sks
(Cover Csg leak @ 1289')

Csg leak @ 1289'
cmt sqz w/ 100 sk

History:

- 12/58 D/O csg shoe to 2738', tst'd dry. Stim OH w/ 250g 15% acid. Swabbed dry. Sqz w/ 50 gal Cealment, D/O to 2709'. Perf Krider & stim w/ 500g 7.5% HCl. Frac Krider + Herington together w/ 16,000g 2% acid + 16,000# snd + 400# rock salt in 2 stages. IP 2354 MCFD.
- 2/78 Csg leak @ 1289' - sqz'd w/ 100 sk 'H', tst'd to 600# - OK.
- 9/80 Stim w/ 5000g 15% FeHCl.
- 12/91 Stim w/ 1000g 15% FeHCl.
- 11/03 MI and set WHC, inc from 50 to 80 MCFD. Release WHC after 4 months, pulled down to 50 mcf/d.
- 3/06 WH compression test.
- 4/06 Acidized w/ 490 gals 15% HCl + 10 gals 10% Acetic acid. Keep WH compression on well.
- 4/07 WHC Test. Uneconomic.
- 11/10 Pump change, pump stuck in SN.

DV tool @ 2109'
cmt'd w/ 600 sk pozmix

Cement Plug set f/2159' to 1987' w/20 sks'
(Cover DV tool @2109')

CIBP @ 2618' covered w/10 sks of Cement

Herington 2668'-82' (4 SPF)
Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D.
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

Krider 2690'-706' (4 SPF)
Acid w/ 500g 7 1/2% HCl. Flo 20g AW & 104 MCF/D in 5 hrs. Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

DO shoe to 2738'.
Tst Dry. Acid 250g 15% & flush w/ 1000g 2% acid & 1500g wtr. Swab dry. cmt w/ 50g Cement. DO to 2709'.

PBTD: 2709'
TD: 2738'

XTO Energy, Inc.

BFIT

	Oil (bbls/mo)	Gas (mcf/mo)		Oil (bbls)	Gas (mcf)	Res. Cat. Life	PDP
Qi	0	0	Gross Cum @ 11/23	0	1,525,923	As-of-Date	12/2023
Qel	0	0	Gross Remaining	0	0	Settings	XTOFLAT24
Decline	0.0 %	7.0 %	Gross Ultimate	0	1,525,923	Scenario	XTOFLAT24
			Net Remaining (0.51)	0	0		OP

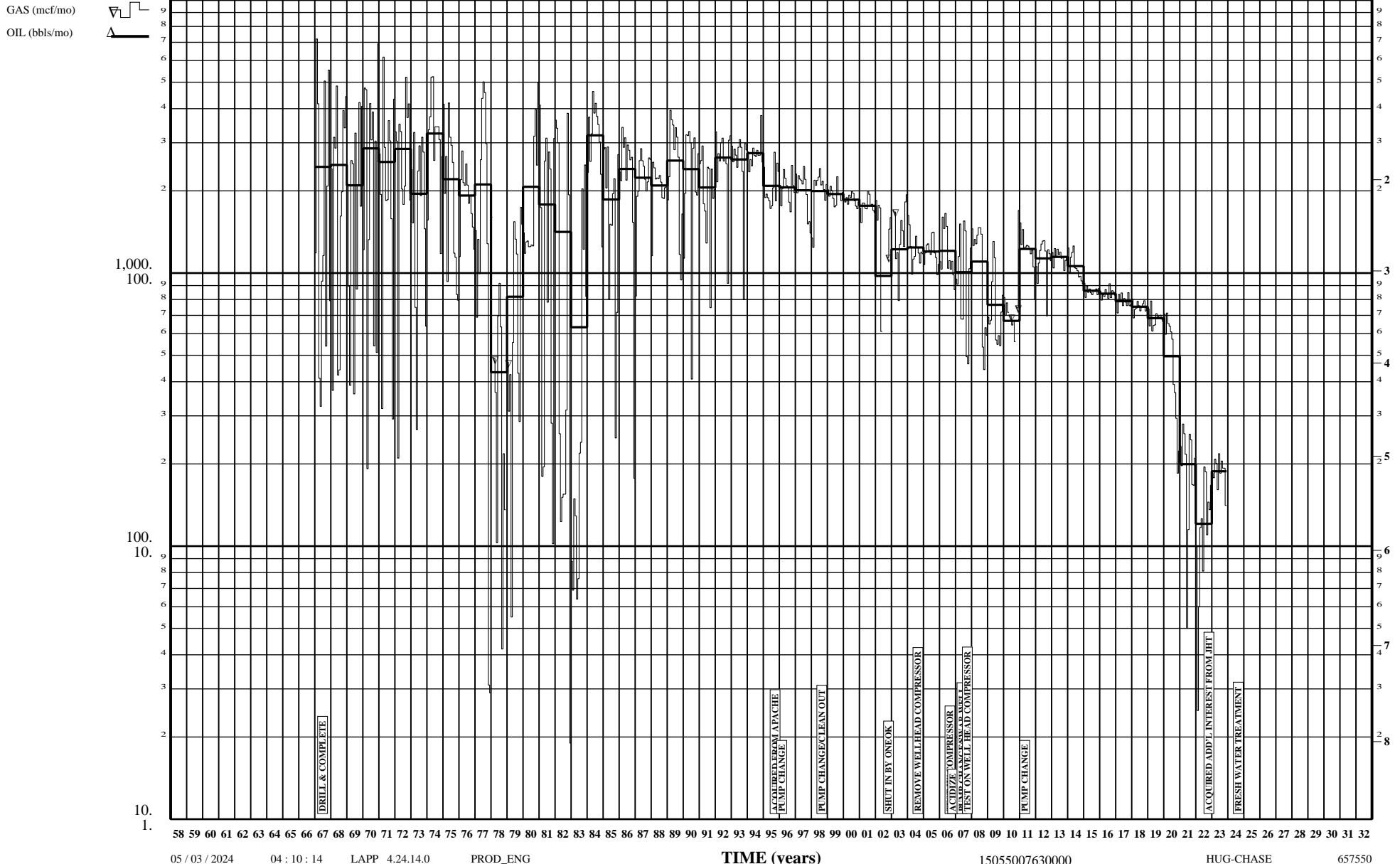
WI	50.00000 %	Oil Price (\$/bbl)	Gas Price (\$/mcf)	OPC (\$/bbl)	Flat Life (years)	First Last Production	Net Cash Flow	Net P.W. @ 10.0 %
NRI	43.75000 %	0.00	2.47	0.00	0.0	04/59 11/23	\$ 0	\$ 0

RIFFEL, HARRY M 1-14 (BASE)		
XTO ENERGY		
HUGOTON (CHASE)	(INA)	
FINNEY, KANSAS		
BASE	14J 23S 32W	MID-CONTINENT
657550 - D	RAH	1110521001

Run Date : 01/17/24
Run Time: 14:25:39

XTO - FORECAST (___)

TTN MLC RLK



XTO Energy, Inc.

BFTT

Oil (bbls/mo)		Gas (mcf/mo)		Oil (bbls)		Gas (mcf)		Res. Cat.	PDP
Qi	0	0		Gross Cum @ 11/23	0	1,525,923		Life	0.000
Qel	0	0		Gross Remaining	0	0		As-of-Date	12/2023
Decline	0.0 %	7.0 %		Gross Ultimate	0	1,525,923		Settings	XTOFLAT24
				Net Remaining	0	0		Scenario	XTOFLAT24
									OP

WI	50.00000 %	Oil Price (\$/bbl)	Gas Price (\$/mcf)	OPC (\$/bbl)	Flat Life (years)	First Last Production	Net Cash Flow	Net P.W. @ 10.0 %
NRI	43.75000 %	0.00	2.20	0.00	0.0	04/59 11/23	\$ 0	\$ 0

RIFFEL, HARRY M 1-14 (HGT)

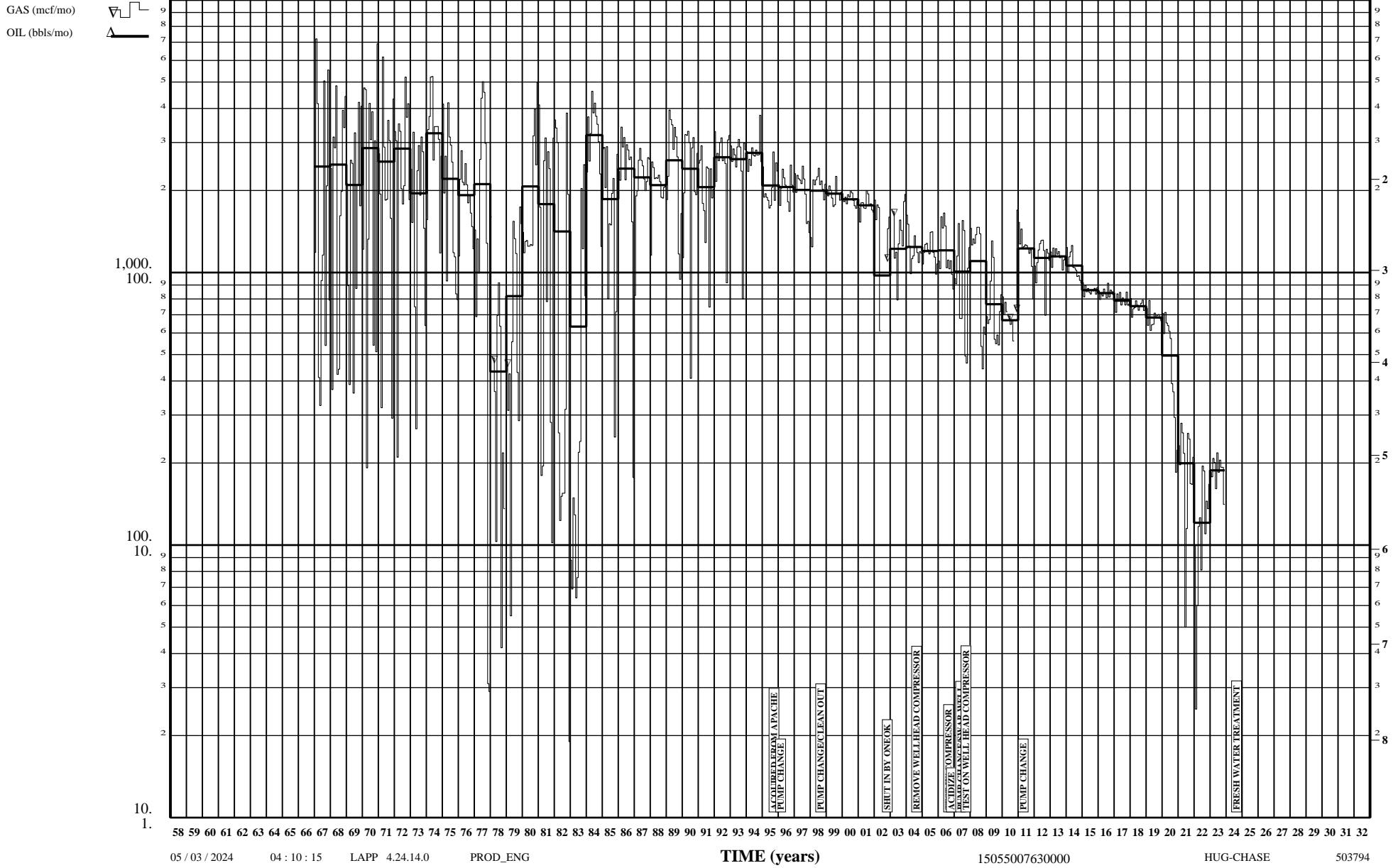
XTO ENERGY
HUGOTON (CHASE) (INA)
FINNEY, KANSAS

HGT 14J 23S 32W MID-CONTINENT
503794 - D RAH 1110521001

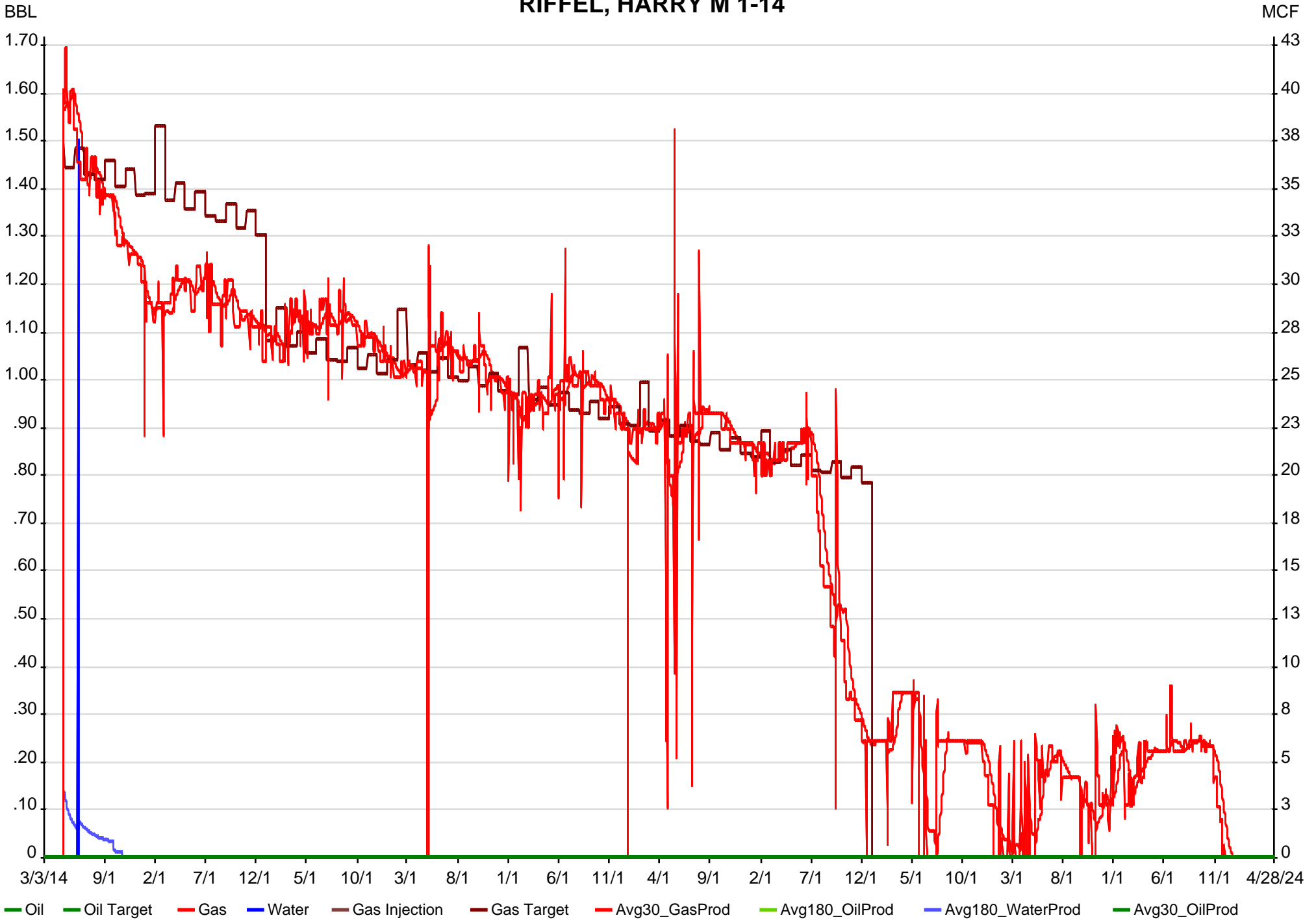
Run Date : 01/17/24
Run Time: 14:25:40

XTO - FORECAST (___)

TTN MLC RLK



RIFFEL, HARRY M 1-14



FOR Kris Kruse
 COMPANY XTO Energy Inc
 SUBJECT P&A Harry M. Riffel #1-14

PAGE _____
 API # 15-055-00763
 DATE 4/16/24
 BY Ronnie Orr

Finney County, KS Sec 14 22S-32W

P&A Procedure w/ cost - Per Ken Jehlik w/ KCC!

- 1) MIRU BD Csg, unseat pump / 80 rods & P&A. NU BOP P&A w/ tbg.
- 2) 5 1/2" 10K Tbg set CIBP @ 2618'. Release tbg, circulate csg w/ mud & cap w/ 10K cement. Pull up hole with tbg @ 2159', spot 20 SK cement to cover DV Tool.
- 3) Locate EOT @ 1350', spot 20 SK cement to cover squeezed casing leak @ 1289'. P&A.
- 4) RU wireline trk, pull CBL to verify TOC
 - 5A) If TOC is 1150' or below:
 - 1) Perf & squeeze @ 1150' w/ 50 SK
 - 2) Perf & circ to surface from 258' w/ 85 SK
 - 5B) If TOC is 1150' or above:
 - 1) spot cement 1200' - 1000' - 25 SK cement
 - 2) Perf & circ to surface from 258' w/ 85 SK cement

b) RD su cut / cap well. Dig up rig anchor -

Cost

Rig 36 hrs @ 400 ⁰⁰ /hr	= 14400
Cement & trk (150 SK)	= 6975
CIBP, CBL & perf sq holes	= 8500
Mud Haul & returns (75 bbl) w/ tank	= 1800
Backhoe, welder, water trk, 7/16 BOP	= 2000
	<hr/>
	<u>\$33,675</u>

SALVAGE

106 - 5/8 rods @ 4⁰⁰ = 424⁰⁰
 2690 - 2 3/8 Tbg @ .50/ft = 1345 } \$1769⁰⁰

Net Cost → \$31,906⁰⁰

Useable water @ 1150'
 Pump stuck!
 S&id 100K 1289' 100 SK

8 5/8 2 1/2"
 208'
Rods
 106 - 5/8"
 2 3/8
Tbg
 4' sub
 86 jts
 SW @
 2692'

DV Tool
 2109'

600 SK Poz

Herington @ 2668
 @ 2682

Krider @ 2690
 @ 2706

5 1/2 14"
 J-55
 2735'

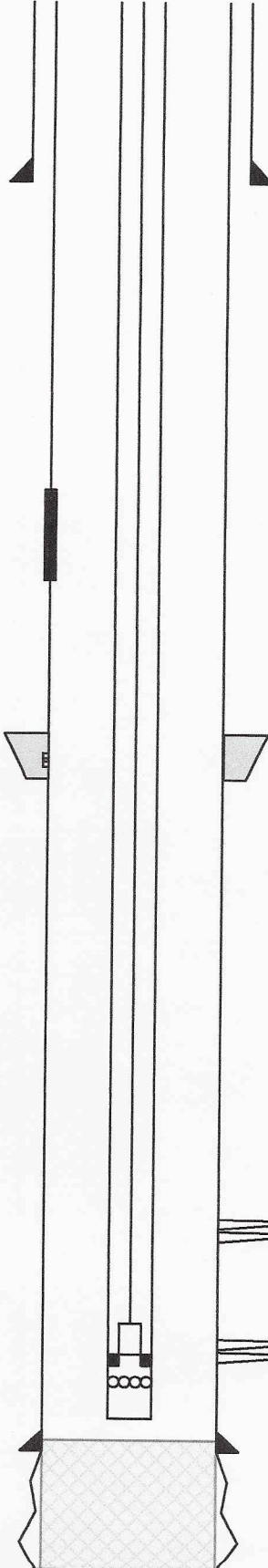
Current Completion

Riffel, Harry M. 1-14

SEC 14-22S-32W
Finney County, KS
API #: 15-055-00763
Spud: 12/14/58
Comp: 12/23/58
WI: 50%
NRI: 43.75%

Surf Csg: 8 5/8", 24#, J55 csg set @ 208'.
Cmt'd w/ 200 sk pozmix - circ'd to surface.

GL: 2921'
KB: 2926'



Tubing: (11/22/10)
1 2 3/8" x 4' tbg sub
86 2 3/8", 4.7#, J55 tbg
1 SN @ 2692'
1 4' MA

Pump & Rods: (11/23/10)
1 1 1/8" x 16' PR w/ 1 3/8" x 6' liner
2 5/8" rod subs (8', 2')
106 5/8" rods
1 2" x 1 1/4" x 12' RWBC pump
w/ 1" x 6" strainer nipple

Csg leak @ 1289'
cmt sqz w/ 100 sk

DV tool @ 2109'
cmt'd w/ 600 sk pozmix

History:

- 12/58 D/O csg shoe to 2738', tst'd dry. Stim OH w/ 250g 15% acid. Swabbed dry. Sqz w/ 50 gal Cealment, D/O to 2709'. Perf Krider & stim w/ 500g 7.5% HCl. Frac Krider + Herington together w/ 16,000g 2% acid + 16,000# snd + 400# rock salt in 2 stages. IP 2354 MCFD.
- 2/78 Csg leak @ 1289' - sqz'd w/ 100 sk 'H', tst'd to 600# - OK.
- 9/80 Stim w/ 5000g 15% FeHCl.
- 12/91 Stim w/ 1000g 15% FeHCl.
- 11/03 MI and set WHC, inc from 50 to 80 MCFD. Release WHC after 4 months, pulled down to 50 mcf.
- 3/06 WH compression test.
- 4/06 Acidized w/ 490 gals 15% HCl + 10 gals 10% Acetic acid. Keep WH compression on well.
- 4/07 WHC Test. Uneconomic.
- 11/10 Pump change, pump stuck in SN.

**PU Down - Stuck pump
Electric Meter Removed**

Herington 2668'-82' (4 SPF)
Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D.
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

Krider 2690'-706' (4 SPF)
Acid w/ 500g 7 1/2% HCl. Flo 20g AW & 104 MCF/D in 5 hrs. Frac Herr & Kri w/ 16000g 2% acid 16000# sd & 400# RS in 2 stg. IP 2354 MCF/D
9/7/80 Acid Herr & Kri 5000g 15% MCA. Tst 0/9/250 on pmp.
12/14/91 Acid Herr & Kri 1000g 15% HCl FE.

DO shoe to 2738'.

Tst Dry. Acid 250g 15% & flush w/ 1000g 2% acid & 1500g wtr. Swab dry. cmt w/ 50g Cement. DO to 2709'.

Prod Csg: 5 1/2", 14#, J55 set @ 2735'.
Cmt'd w/ 125 sk pozmix + 300 gal Cealment.
DV tool @ 2109', cmt'd w/ 600 sk pozmix.

PBTD: 2709'
TD: 2738'

XTO Harry Riffle 1-14 p&a

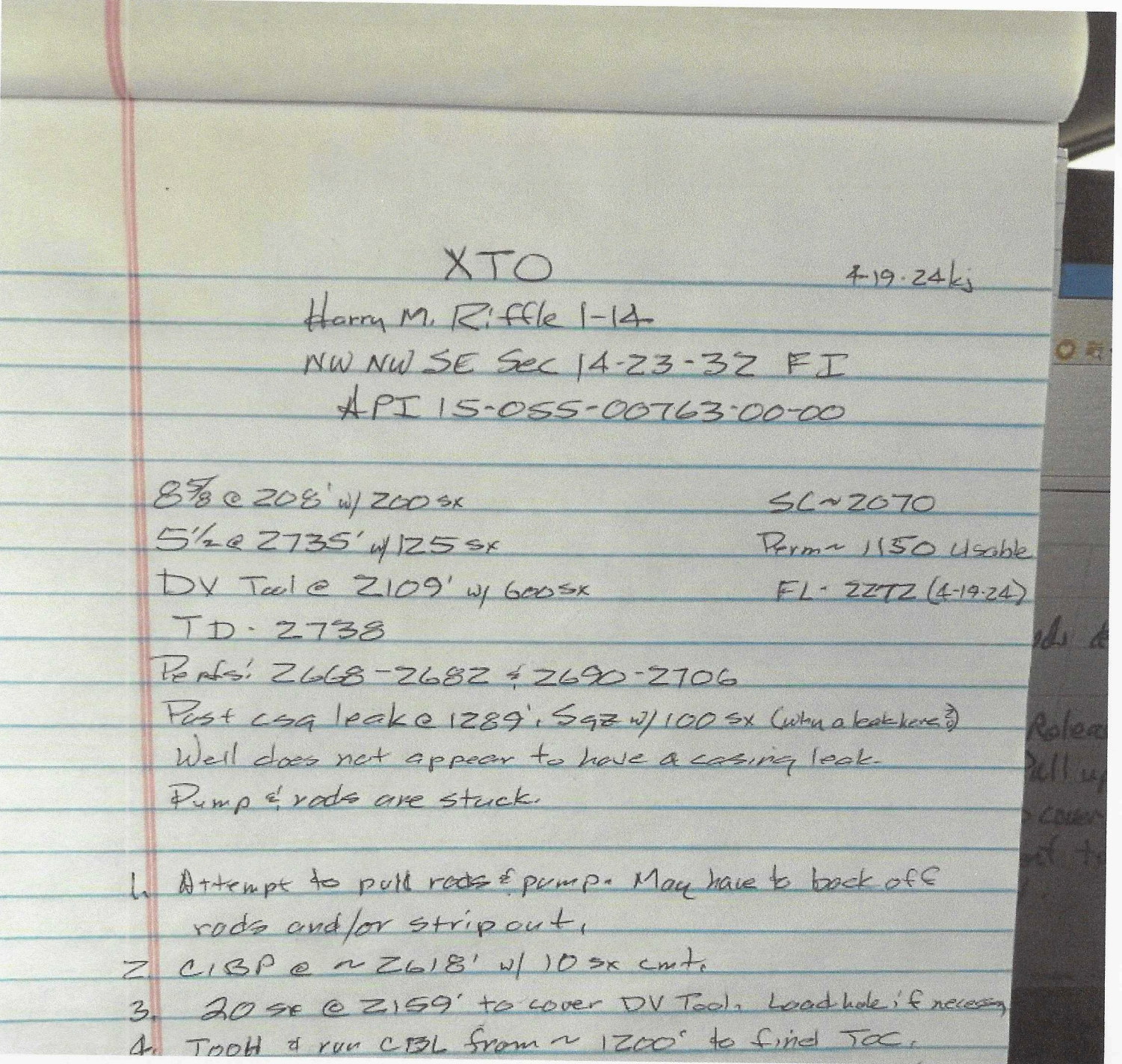
From: Ken Jehlik [KCC] (k.jehlik@kcc.ks.gov)

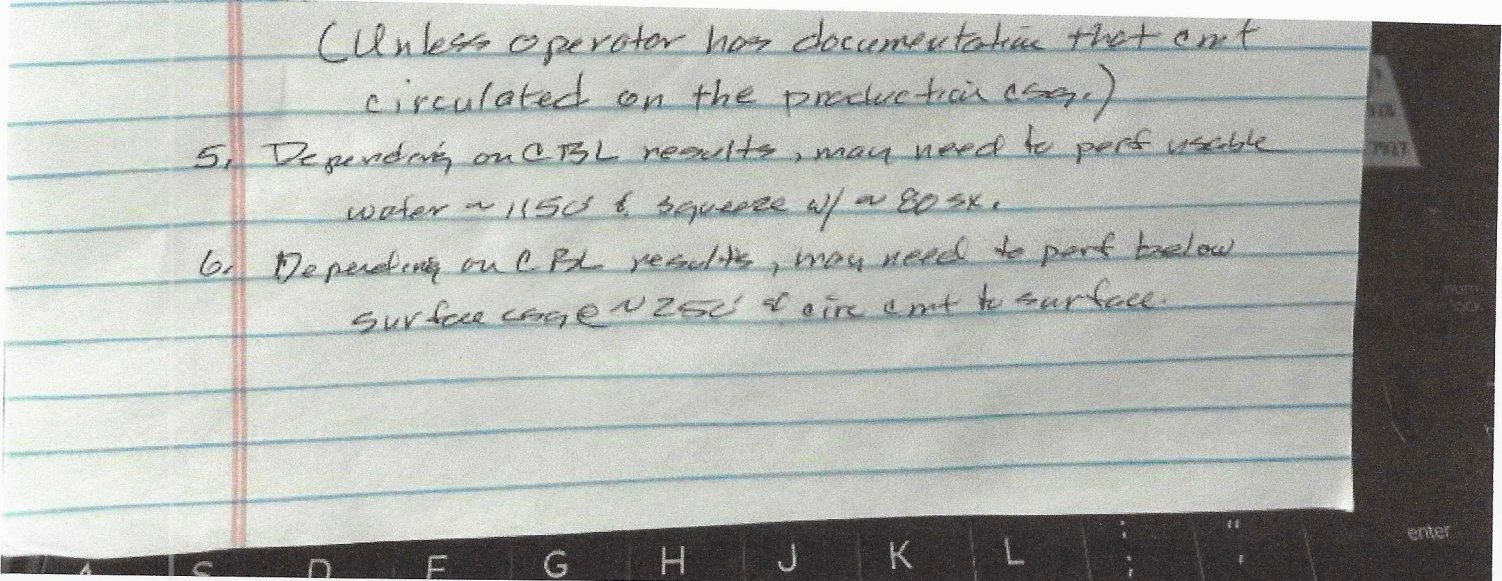
To: ronorr2806@yahoo.com

Cc: k.sullivan@kcc.ks.gov

Date: Friday, April 19, 2024 at 10:43 AM CDT

Ronnie. Open to suggestions/comments





Sent from my iPhone

WELL PREPARATION CHECKLIST

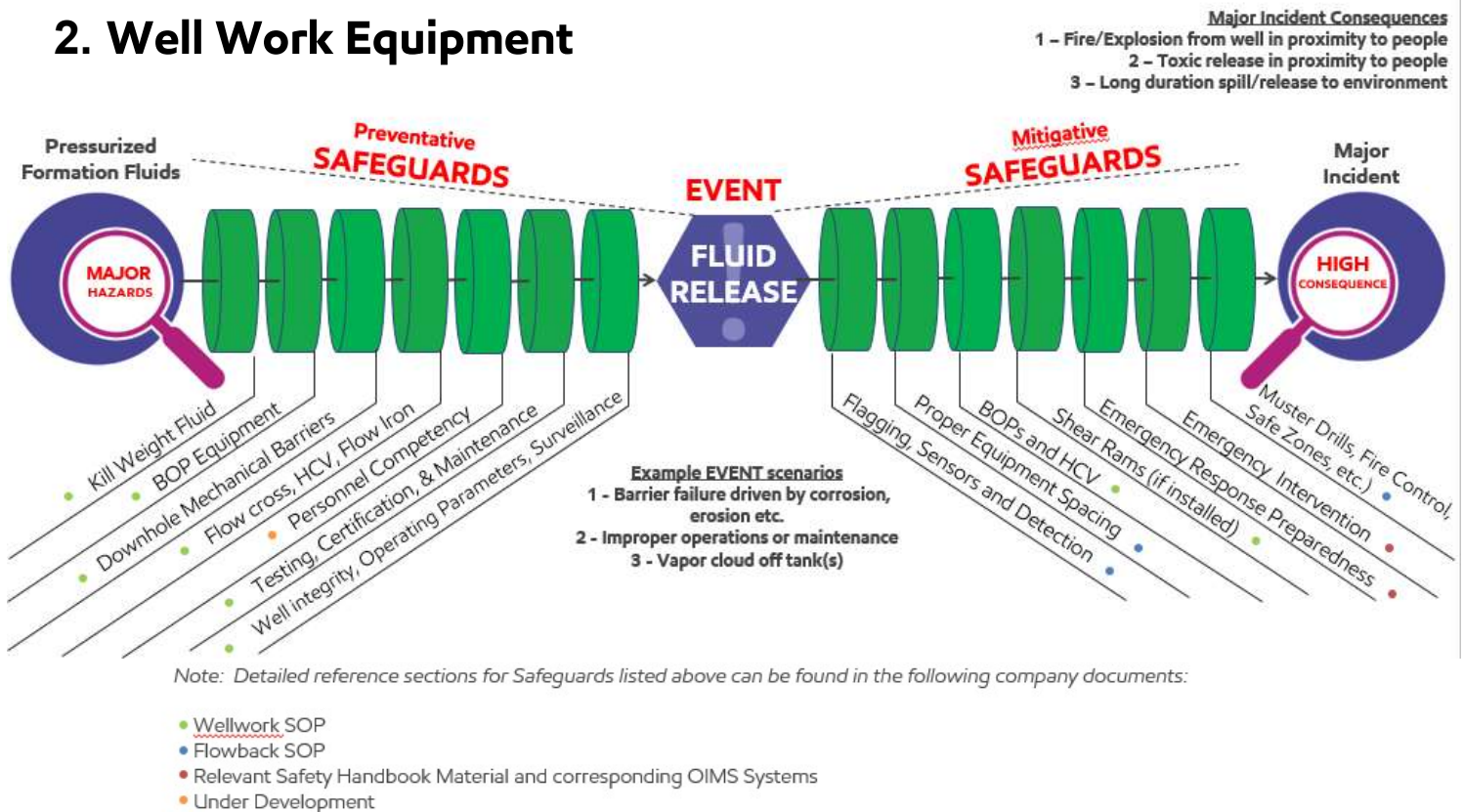
FIELD		WELL NUMBER	
DATE			
SPECIAL INSTRUCTIONS:			
WORKOVER TYPE:	<input type="checkbox"/> WIRELINE	<input type="checkbox"/> RIG	<input type="checkbox"/> SNUBBING <input type="checkbox"/> CTU
	RIG NAME:		

Pre-Mobilization	YES, NO, or N/A	REMARKS
1. Check the local well files to verify the data in file matches the data in the procedure. Obtain latest well test / production information. Verify well class.		
2. Mow / back-drag location (as required) to prevent tripping and fire hazard.		
3. Check location for oil, gas, or water lines prior to grading location, setting anchors, or digging workover pits. Make One Call notification as necessary.		
4. Check rig anchors for last pull test date. Retest or replace, as necessary.		
5. Are specific hazard controls needed (H2S, NORM, heavy brine, etc.)?		
6. Ensure all tree and flowline valves required for isolation are in proper operating condition and are leak tight. [SOP Section 2.3]		
7. Perform visual inspection to ensure proper valving is installed on the wellhead for well control. [SOP Section 2.3]		
8. Measure pressures on all strings / annuli of the well, and document each.		
8a. If any pressure is not within expected range, has procedure been revised?		
9. Pressure monitoring method established and in place for each annulus?		
10. Check well cellar to ensure proper grating is in place and free of liquids.		
11. Check overhead electric power lines for proper clearance. [SOP Section 2.2]		
12. Measurements from wellhead to rig floor sufficient to accommodate BOP? Is an adapter or DSA required?		
13. Check soil condition and install matting as necessary to provide stable working surface for rig and for standing back tubing.		
Mobilization		
14. Verify rig up on correct well. Discuss significant hazards (i.e., well control, flowback, etc.) and associated safeguards (barriers or human) required. SOP deviations, if any, are approved and documented in WellView.		
15. Verify equipment (cranes, forklifts, BOPE, PCE, flow back, wireline, base beams, etc.) is sized correctly and all equipment certifications / testing and operator certifications are current. [SOP Sections 2.2 & 2.3]		
16. Verify that any necessary equipment inspections (i.e., BOPE functioning, slings, wire ropes, fall protection, gas detectors, etc.) have been performed and any deficiencies have been corrected and documented.		
17. SIMOPS reviewed with personnel and approved? [SOP Section 6.2]		
18. Workover related equipment electrically grounded (rig, wireline, tanks, etc.)?		
19. Energy sources isolated (electrical power, cathodic protection, flowline, gas lift line, instrumentation lines, fuel gas line, etc.), LOTO applied at isolation points, and flowline plugged / capped? Verify zero energy downstream of LOTO. [XTO Safety Handbook]		
20. Equipment spacing complies with XTO (or regulatory) equipment spacing requirements. [SOP Section 7.2 / XTO Safety Handbook]		
WELLWORK SUPERVISOR'S (PIC) SIGNATURE:		DATE:

The XTO Person in Charge (PIC) shall review and discuss those checklist items in red text, at a minimum, with site personnel at the beginning of each day or shift to ensure key safeguards for significant hazards are healthy.

Unconventional Completion and Well Work Standard Operating Procedures (SOPs) Fifth Edition (June 2020)

2. Well Work Equipment



Pictured above is an illustration of the safeguards contained in the Well Work SOP and related well work SOPs. The hazard shown on the left is pressurized fluids in the formation. The event is planned or unplanned release of those fluids to atmosphere. The potential consequences are shown on the right and are life threatening. On the left of the fluid release event are preventative safeguards and to the right are safeguards that reduce or mitigate the consequences to humans and the environment.

[E] Unconventional Management expects the person in charge (PIC) on all Well Work operations to understand the SOPs and how the safeguards work. The PIC is responsible for knowing and documenting the health of all required safeguards and communicating the health of the safeguards routinely to all personnel on site. This must be achieved through the following:

1. [E] The safeguard illustration (bowtie) must be reviewed by all site personnel involved in the SOP activity, and with any new personnel entering the site that are directly involved in the SOP activity.
2. [E] The SOP checklist must be completed prior to commencing operations and posted visibly at the work site or available electronically.
3. [E] The safeguard register must be reviewed, with safeguard ownership assigned, at daily safety briefings with all personnel on site.
4. One or more relevant drill/scenario should be performed/discussed at daily safety briefings with all personnel on site. Examples are provided in the drill/scenario section of this SOP.
5. [E] Unconventional Leadership must review effectiveness of the above requirements when they make site visits and provide recognition and coaching as appropriate.

Unconventional Completion and Well Work Standard Operating Procedures (SOPs) Fifth Edition (June 2020)



Pre-job Checklist Workover Rig

Well _____ Supervisor _____

Class	MASIP or MAOP
I	0 - 300 psi
II	301 - 1,500 psi
III	1,501 - 5,000 psi
IV	> 5,000 psi

SOP Requirements	SOP Section	Compliance Y, N, or NA	Exception Date
Equipment Requirements		Initial/Date	Approver
Maintain two well control barriers during operations. If conditions meet reduced barrier criteria in sec 2.2, one barrier may be permitted temporarily while installing/removing well control equipment.	2.2		
BOPE is sized properly with sufficient ID and configuration meets minimum requirements for well class	2.3		
MAWP of all BOPE is at least equal to the greater of the MASIP or MAOP.	2.3		
Hand wheels and closing units are readily accessible at all times	2.2		
Closing unit (required ≥ 3000 psig), when utilized, has adequate pressure to operate well control equipment and is situated at least 60' from wellbore	2.3		
Closing unit controls are clearly labeled, remain in open or closed position, and blind/shear controls have a hinged protector	2.2		
Tubing safety valve (FOSV) in the open position and the valve handle should be kept on rig floor. Must be full opening to drift ID with proper threads/crossovers for makeup to tubing string	2.2		
Correct rams installed and tested for each pipe size to be run or pulled from the well. All BOPE components & sealing elements are rated for use with well conditions	2.3		
Workstring and tubing connections are appropriate for wellbore conditions and capable of handling proposed work load	2.3		
Rod BOP w/ variable rams installed above pumping tee while rods are tripped in/out of hole on Class II, III, & IV wells	2.3		
Shear ram installed on Class III & IV wells when a single mechanical barrier is in use and fluid density is less than kill weight.	2.3		
Flowback and pressure relief piping installed in as straight a path as possible to the destination and adequately restrained. Access to the HP piping areas should be minimized.	2.3		
All flowback equipment/spacing in accordance with the Flowback SOP/Checklist	7.2		
Testing Requirements			
BOP stacks & FOSVs must be shop tested to low pressure (200 -300 psi) for 5 min and to MAWP for 10 min, prior to delivery, or minimum quarterly.	2.3		
On Class III and IV wells, all rig BOPE components including individual rams and annular shall be pressure tested prior to starting operations and at least every 21 days. Optional on subsequent wells on same pad within 21 days	2.3		
Rig BOPs are function tested upon installation and a minimum of every 7 days thereafter.	2.3		
All lubricators and wireline pressure control equipment (PCE) tested to MAWP at least annually. Wireline valve rams tested to 200-300 psig low for 5 min and MAWP for 10 min prior to delivery	2.3		
All lubricators and wireline pressure control equipment shell-tested to MAWP or 1,000 psi above MASIP, prior to starting any Class III or IV wireline (e-line, braided line, slickline) operation.	2.3		
Verify Rig BOP stack is within 5 year certification.	2.3		
Operational Requirements			
If SIMOPS are conducted, review SIMOPS risk assessment and ensure all scenarios are covered.	6.2		
Assume and prepare for trapped pressure prior to removing any packer, plug, or obstruction.	2.4		
On site meeting held in accordance with the SOPs.	2.2		
All casing and tubing pressures are monitored during operations and maintained within operating limits specified by the completion/wellwork procedure.	2.4		
Well Integrity assessed , wellheads checked to ensure they are labeled correctly, valves operational, and service company is rigged up on the correct well.	2.2		
All lifting and hoisting equipment and operator(s) have current certifications and can perform work	2.2		
Fluids and other chemicals handled in accordance with SDS.	2.4		
Adequate firefighting equipment in good condition, strategically placed, with trained personnel	2.4		

***Any deviation from SOP requirements must be approved by Superintendent before proceeding**

**Unconventional Completion and Well Work Standard Operating Procedures (SOPs)
Fifth Edition (June 2020)**



Safeguard register
Workover Rig

Well _____ Supervisor _____

Class	MASIP or MAOP
I	0 - 300 psi
II	301 - 1,500 psi
III	1,501 - 5,000 psi
IV	> 5,000 psi

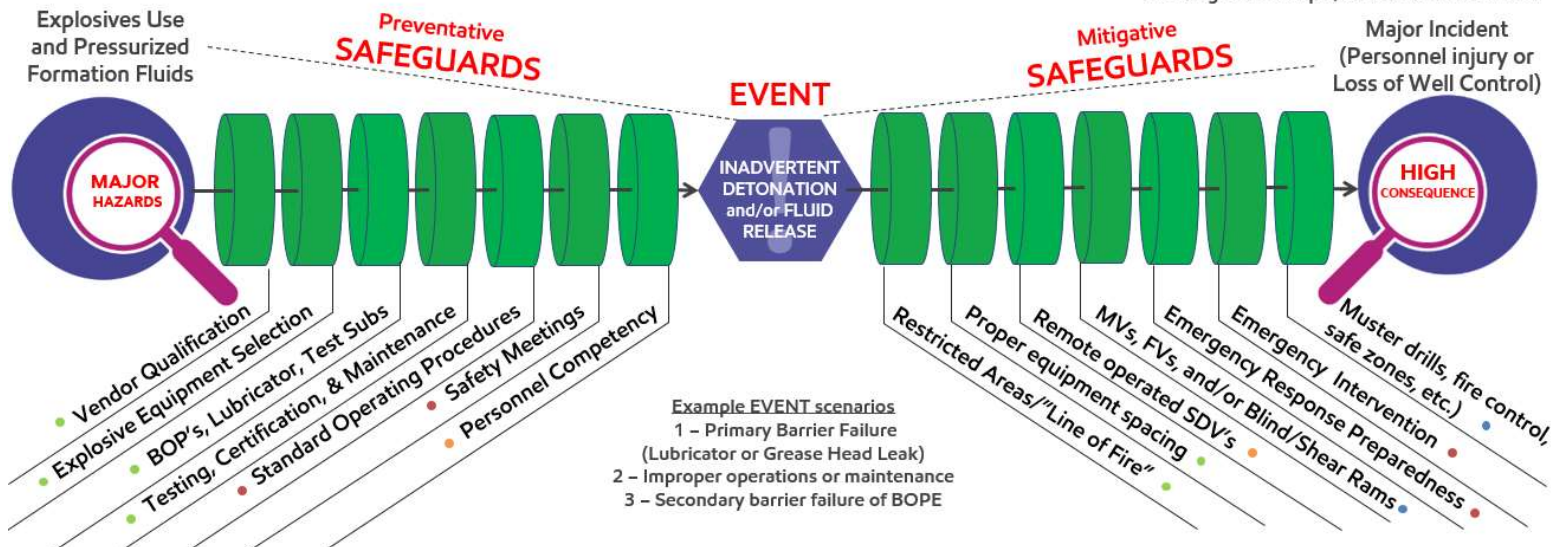
Safeguard	Review Safeguards daily or at each tour for 24 hour operations. Safeguard owner to initial below on date when each safeguard is tested or verified:						
	Date	Date	Date	Date	Date	Date	Date
Hydrocarbon Release Prevention							
Sufficient kill weight fluid to maintain overbalance (~200 psi)							
Understand when work string will be pipe light with mitigations in place							
BOP stack & safety valve(s) - Pressure tested to MASIP/MAOP							
Safety Valve(s) function tested and readily accessible							
Shear Ram(s) – Function tested with pipe out of well							
Blind Rams(s) – Pressure tested to MASIP/MAOP							
Blind Rams(s) – Function tested with pipe out of well							
Pipe Ram(s) – Function tested							
Pipe Ram(s) – Pressure tested to MASIP/MAOP							
Annular/Stripper - Pressure tested to MASIP/MAOP							
Hydraulic control valve (HCV), if installed – Function tested							
HCV, if installed – Pressure tested to MASIP/MAOP							
Master valve (MV), if installed, below BOPs – Function tested							
MV, if installed, below BOP's - Pressure tested to MASIP/MAOP							
All annuli monitored and within safe design limitations							
HP pumping lines and manifold tested to MAOP							
Adequate pressure on BOP accumulator							
Ignition Prevention & Mitigation							
Restricted areas are clearly marked and communicated to all personnel							
Fixed & personal LEL/H ₂ S monitor(s) are calibrated & operational							
All personnel are wearing proper PPE							
All non-essential equipment is off							
Wind socks and/or flagging is visible							
All personnel aware of primary & secondary muster areas							

Unconventional Completion and Well Work Standard Operating Procedures (SOPs) Fifth Edition (June 2020)

Major Incident Consequences

- 1 – Fire/Explosion from well in proximity to people
- 2 – Toxic release in proximity to people
- 3 – Long duration spill/release to environment

8. Perforating and Explosives Safety



Note: Detailed reference sections for Safeguards listed above can be found in the following company documents:

- Perforating and Explosives Safety SOP
- Wellwork SOP
- Relevant Safety Handbook Material and corresponding OIMS Systems
- Under Development

Pictured above is an illustration (bowtie) of the safeguards contained in the Perforating and Explosives SOP and related well work SOPs. The hazards shown on the left are explosives use and pressurized formation fluids. The events are the inadvertent detonation of explosives and/or the unplanned release of those fluids to the atmosphere. The potential consequences are shown on the right and are life threatening. On the left of the inadvertent detonation/fluid release event are preventative safeguards and to the right are safeguards that reduce or mitigate the consequences to humans and the environment.

[E] Unconventional Management expects the person in charge (PIC) on all Perforating and Explosives operations to understand the SOPs and how the safeguards work. The PIC is responsible for knowing and documenting the health of all required safeguards and communicating the health of the safeguards routinely to all personnel on site. This must be achieved through the following:

1. [E] The safeguard illustration (bowtie) must be reviewed by all site personnel involved in the SOP activity, and with any new personnel entering the site that are directly involved in the SOP activity.
2. [E] The SOP checklist must be completed prior to commencing operations and posted visibly at the work site or available electronically.
3. [E] The safeguard register must be reviewed, with safeguard ownership assigned, at daily safety briefings with all personnel on site.
4. One or more relevant drill/scenario should be performed/discussed at daily safety briefings with all personnel on site. Examples are provided in the drill/scenario section of this SOP.
5. [E] Unconventional Leadership must review effectiveness of the above requirements when they make site visits and provide recognition and coaching as appropriate.

**Unconventional Completion and Well Work Standard Operating Procedures (SOPs)
Fifth Edition (June 2020)**



**Pre-job Checklist
Electric Wireline Conveyed Explosives**

Well _____ Supervisor _____

Class	MASIP or MAOP
I	0 - 300 psi
II	301 - 1,500 psi
III	1,501 - 5,000 psi
IV	> 5,000 psi

SOP Requirements	SOP Section	Compliance Y, N, or NA	Exception Date
Pre-Job Planning		Initial/Date	Approver
Service Company's contracted to deploy explosive devices are required to have SOP's for explosives safety (Reference API RP 67, "Recommended Practice for Oilfield Explosives Safety").	8.2		
If the explosive type application is either (1) not typical for the area or (2) a new Service Company is being utilized, a pre-job planning meeting is required.	8.2		
Supervisor has conducted a pre-job site assessment and has reviewed the service program with the Service Provider.	8.2		
Establish a safe distance for low wattage (less than 5 watts) radio transmitters based on the (1) detonator type and the (2) number of radios in use. A minimum distance of 50' for radio silence is required unless using approved RF safe detonators.	8.2		
If non-controllable higher wattage radio frequency (RF) devices are in the area, develop a plan for the use of specific RF Safe Detonators.	8.2		
Equipment Requirements			
Well control equipment for wireline operations shall meet the minimum SOP requirements in Section 2.3 based on well classification above.	2.3		
Electric detonators must have a minimum DC resistance of 50 ohms and a "no-fire" current of not less than 200 MA.	8.3		
If applicable, validate Service Provider approved RF Safe Detonators and other safety features being utilized (i.e. Addressable switches).	8.3		
Operational & Testing Requirements			
An onsite safety meeting, with all involved field and Service Company personnel present, is required to be held prior to starting work.	8.2		
The well control equipment is tested to the requirements in SOP Section 2.3. A glycol water mixture is required when there is potential for hydrates.	2.3, 8.3		
Post signs at site entrances warning of explosives in use and radio silence as required.	8.3		
Conduct stray voltage test and ensure equipment is properly bonded and/or grounded in accordance with service company procedures. Stray voltage must be below 0.25 volts unless using approved high voltage RF Safe Detonators.	8.3		
Turn off electrical cathodic protection systems and discontinue welding operations unless using approved high voltage RF Safe Detonators.	8.3		
No flame producing devices or welding operations are allowed within 50' of explosive operations including gun loading and assembly areas.	8.3		
The check fire procedure should only be performed when the cable head and tool string is in clear view of person applying the power (prior to attaching to an unarmed gun).	8.3		
For 24 hour operations, avoid crew change during gun preparation, from arming gun through RIH with gun below 200'.	8.3		
Explosives Arming/Disarming Requirements			
Turn off radio transmitters in the pre-determined exclusion zone prior to arming or disarming.	8.3		
Move non-essential people to a safe area and confirm that "Line of Fire" is clear.	8.3		
Do not proceed with arming/disarming operations when there is potential for static electricity from approaching electrical storms, blowing dust, or snow.	8.3		
The Service Company will have a designated "Explosive User in Charge" who is responsible for gun arming and disarming. The safety key that is used to lockout the cable circuit in the Wireline Unit must remain outside the Unit until the explosive device is deployed to below 200' in well. The same safety procedure is followed before pulling guns out of hole above 200'.	8.3		

***Any deviation from SOP requirements must be approved by Superintendent before proceeding**

Unconventional Completion and Well Work Standard Operating Procedures (SOPs) Fifth Edition (June 2020)



Safeguard Register Electric Wireline Conveyed Explosives

Well _____

Supervisor _____

Class	MASIP or MAOP
I	0 - 300 psi
II	301 - 1,500 psi
III	1,501 - 5,000 psi
IV	> 5,000 psi

Safeguard	Review Safeguards daily OR at each Shift Change for 24 hour operations. Safeguard owner to witness and initial below:						
	Date	Date	Date	Date	Date	Date	Date
Hydrocarbon Release Prevention							
Pressure control equipment remains within certification based on well classification							
Wireline PCE and Lubricator - Pressure tested to MAWP or 1000 psi over MASIP/MAOP. Required after initial rig up. (Section 2.3)							
Re-testing broken connection between wireline runs. Recommend using quick test safety sub (QTS)							
Wireline valves function tested							
Prevent Inadvertent Detonation of Explosives							
Safety meeting held daily and with crew change or change in operations							
Conduct stray voltage test and verify ground to service unit. Stray voltage must be below 0.25 volts unless using approved high voltage RF Safe Detonators							
Review operating and safety procedures specific to detonator type being used (RFID, Addressable Switches)							
Verify adherence to designated restricted area and areas for radio silence							
Do not proceed with arming operations when there is potential for static electricity from approaching electrical storms, blowing dust, or snow							
Review requirements for gun arming/disarming requirements with the designated "Explosive User in Charge"							
All personnel onsite aware of 'no-go' zone when arming/disarming or assembly of explosive devices							
Confirm communication plan with SIMOPS impacted teams							

*Any deviation from SOP requirements must be approved by Superintendent before proceeding

Certificate Of Completion

Envelope Id: 71679DCB15614E59A202B5E676FF2A9C	Status: Completed
Subject: Complete with DocuSign: 6. Harry M. Riffel. # 1-14 - P&A Proccostpdf.pdf, 7. Wellsite Preparati...	
Source Envelope:	
Document Pages: 24	Signatures: 3
Certificate Pages: 3	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Disabled	Anurag Ray
Time Zone: (UTC-06:00) Central Time (US & Canada)	Address Redacted
	anurag.ray@exxonmobil.com
	IP Address: 136.228.230.89


Record Tracking

Status: Original	Holder: Anurag Ray	Location: DocuSign
5/6/2024 7:30:42 AM	anurag.ray@exxonmobil.com	
Security Appliance Status: Connected	Pool: Main SecApp 1	

Signer Events

Anurag Ray
 anurag.ray@exxonmobil.com
 Security Level: Email, Account Authentication (None)

Signature

DocuSigned by:

 C24F419F404C4BC...
 Signature Adoption: Pre-selected Style
 Using IP Address: 136.228.230.89

Timestamp

Sent: 5/6/2024 7:56:45 AM
 Viewed: 5/6/2024 7:57:01 AM
 Signed: 5/6/2024 7:57:54 AM

Electronic Record and Signature Disclosure:

Accepted: 4/17/2024 10:50:12 AM
 ID: 47af05fe-dc34-4e87-bf4e-4e77f6759ee4
 Company Name: Exxon Mobil Corporation

Jack Mayo
 jack.mayo@exxonmobil.com
 XTO
 Security Level: Email, Account Authentication (None)

DocuSigned by:

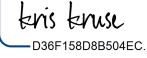
 6108020AAC124EF...
 Signature Adoption: Pre-selected Style
 Using IP Address: 107.77.199.7

Sent: 5/6/2024 7:56:46 AM
 Viewed: 5/7/2024 10:04:41 AM
 Signed: 5/7/2024 10:05:33 AM

Electronic Record and Signature Disclosure:

Accepted: 11/9/2023 11:14:32 AM
 ID: 68656b8a-da35-448b-9ccb-615284f52514
 Company Name: Exxon Mobil Corporation

Kris Kruse
 kristofer.h.kruse@exxonmobil.com
 XTO
 Security Level: Email, Account Authentication (None)

DocuSigned by:

 D36F158D8B504EC...
 Signature Adoption: Pre-selected Style
 Using IP Address: 136.228.238.33

Sent: 5/6/2024 7:56:46 AM
 Viewed: 5/6/2024 8:48:10 AM
 Signed: 5/6/2024 8:48:40 AM

Electronic Record and Signature Disclosure:

Accepted: 4/23/2024 9:38:36 AM
 ID: 177a5976-a53b-47a1-af36-b9209e419e79
 Company Name: Exxon Mobil Corporation

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	5/6/2024 7:56:46 AM
Certified Delivered	Security Checked	5/6/2024 8:48:10 AM
Signing Complete	Security Checked	5/6/2024 8:48:40 AM
Completed	Security Checked	5/7/2024 10:05:33 AM

Payment Events	Status	Timestamps
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Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

November 06, 2024

Pauline Herbert
XTO Energy Inc.
22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

Re: Plugging Application
API 15-055-00763-00-00
RIFFEL, HARRY M 1-14
SE/4 Sec.14-23S-32W
Finney County, Kansas

Dear Pauline Herbert:

The Conservation Division has received your Well Plugging Application (CP-1).

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 1 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 1's phone number is (620) 682-7933. Failure to notify DISTRICT 1, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well. Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after May 05, 2025. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

The May 05, 2025 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff. Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,
Production Department Supervisor

cc: DISTRICT 1