

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-22717
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Fasken Oil and Ranch, Ltd		6. State Oil & Gas Lease No. NM-101856
3. Address of Operator 6101 Holiday Hill Road, Midland, TX 79707		7. Lease Name or Unit Agreement Name Shell Federal
4. Well Location 13 3300' South 660' West Unit Letter _____; _____ feet from the _____ line and _____ feet from the _____ line Section 5 Township 21S Range 24E NMPM County Eddy		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 15146
10. Pool name or Wildcat SWD Devonian		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐  
 CLOSED-LOOP SYSTEM ☐  
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐  
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Notified NMOCD 6-21-22 of intent to RU to repair downhole communication after failed MIT. POW w/124 joint 3 1/2 tbg, found 4 pitted and damage spring on packer.  
 RIH w/4 2-7/8 tbg and packer - leaked and replace cups  
 RIW w/BHA test tbg 6000 psi no failures found  
 RIH w/320 3-1/2" tubing set 10612' AS-1X packer set # 10610'  
 Ran MIT on 6-28-22 Witnessed by Barbara Lydick OCD Performed by Stone Oilfield Services

See attached drilling report

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Viola Vasquez TITLE Regulatory Analyst DATE 6-30-2022

Type or print name Viola Vasquez E-mail address: violav@forl.com PHONE: 432-687-1777

**For State Use Only**

APPROVED BY Phillip R. Lutz TITLE UIC Manager DATE 07/07/2022  
 Conditions of Approval (if any):

**Fasken Oil and Ranch, LTD.****Combined Daily Operations Report**

6/1/2022 thru 6/29/2022

Page 1

Printed 6/29/2022

**Shell Federal # 2**

Well ID: SH2000-02

3300' FSL &amp; 660' FWL Section 5, Township T21S, Range 24E

Eddy Co., NM

**Jun 21, 2022 Tuesday**

55 Well Service delivered and set one rig mat and RUPU (#59) and prepared handling tools. Left well shut in and SDON. Notified NMOCD of intent to RU to repair downhole communication after failed MIT on 6/7/22 witnessed by representative of NMOCD. (SRF)

Daily Cost: \$3,300  
Total Daily Cost: \$3,300  
Total Cum. Cost: \$79,708

**Jun 22, 2022 Wednesday**

SITP-vacuum, SICP-270 psi. Bled down pressure to tubing. NDWH, NU BOP and RU working floor. Released packer and well was out of balance. Let well equalize for 2 hrs and RU vacuum truck for catch back. LD top jt with coating flaking on top of pin. POW and tallied 201 jts 3-1/2" 9.3# EUE 8rd L80 IC-101 injection tubing. SWI and SDON. (SRF)

Daily Cost: \$5,450  
Total Daily Cost: \$5,450  
Total Cum. Cost: \$85,158

**Jun 23, 2022 Thursday**

SITP-0 psi, SICP-0 psi. POW and tallied 124 jts 3-1/2" 9.3# EUE 8rd L80 IC-101 injection tubing. Found bottom 4 jts with minor pitting on collars and body of tubing. LD 3-1/2" 8rd box x 2-7/8" pin SS x-o, TOSSD, 5-1/2" Arrowset 1X injection packer with 2.25" "F" SS profile nipple and 2-7/8" x 4' muleshoed fiberglass sub. Main spring in packer was damaged and collapsed. SWI and SDON while packer is being repaired. (SRF)

Daily Cost: \$4,700  
Total Daily Cost: \$4,700  
Total Cum. Cost: \$89,858

**Jun 24, 2022 Friday**

SITP-0 psi, SICP-0 psi. RU Bo Monk Pipe Testing and Tidal Logistics vacuum truck for catchback. RIW with 2-7/8" x 4' muleshoed fiberglass sub, 5-1/2" Arrowset 1X NP/IPC injection packer, 2-7/8" x 2.25" SS "F" profile nipple with 4.5" TOSSD (NP skirt and SS top sub), 2-7/8" 8rd pin x 3-1/2" 8rd box x-o (NP) and 3-1/2" 9.3# EUE 8rd L80 IC-101 tubing while testing to 6000 psi below slips. Test truck pump started leaking after running 4 stands of tubing and busted high pressure test hose while attempting to test 5th stand of tubing. Waited 1.5 hrs on replacement truck, resumed testing tubing in well and had to replace bottom cups on test bars every 10 stands and ran out of cups with only 20 stands tested in the well. Waited on more replacement cups for 30" and was informed there were no cups available in Hobbs. Notified Midland office, SWI and SDON. (SRF)

Daily Cost: \$13,250  
Total Daily Cost: \$13,250  
Total Cum. Cost: \$103,108

**Jun 25, 2022 Saturday**

No activity. (SRF)

Daily Cost: \$200  
Total Daily Cost: \$200  
Total Cum. Cost: \$103,308

**Fasken Oil and Ranch, LTD.**

## Combined Daily Operations Report

Page 2

6/1/2022 thru 6/29/2022

Printed 6/29/2022

**Jun 26, 2022 Sunday**

No activity. (SRF)

Daily Cost:	\$200
Total Daily Cost:	\$200
Total Cum. Cost:	\$103,508

**Jun 27, 2022 Monday**

SITP-0 psi, SICP-0 psi. RU Bo Monk Pipe Testing and Tidal Logistics vacuum truck for catch back. RIW with BHA while testing tubing to 6000 psi below slips with no failures and RDTT. RIW with tubing as follows:

1 - 2-7/8" FG mule shoed tubing sub (reran)	4.47'
1 - 7" NP AS-1X packer (redressed-TB)	7.41'
1 - 3-1/2" NP TOSSD w/ 2.25" "F" SS profile nipple (redressed)	2.00'
1 - 2-7/8" EUE x 3-1/2" EUE SS x-over (new)	.64'
320 - 3-1/2" EUE 8rd L80 9.3# IC-101 IPC w/ SCC (reran)	10,435.18'
5 - 3-1/2" EUE 8rd L80 9.3# IPC-1850 w/ SCC (new)	162.38'
Sub Total	10,612.08'
Setting Height	-3.83'
Actual Depth	10,608.25'

Thunderbird tech set packer with 20K compression. RU Stone Oilfield pump truck on casing and loaded with .5 bfw. Pressured up to 520 psi and held for 5 min with 0 pressure loss. Bled off pressure. SWI and SDON. (RF)

Daily Cost:	\$12,300
Total Daily Cost:	\$12,300
Total Cum. Cost:	\$115,808

**Jun 28, 2022 Tuesday**

SITP-0 psi, SICP-0 psi. Opened well and WOO for 1 hr. Received instructions to set packer in tension and stay above previous setting depth by less than 5', ordered 3-1/2" L80 IPC pup jts and waited on pup jts for 2-1/2 hrs. Received instructions to leave packer set as is and circulate packer fluid. Mixed 65 gals PI-50 in 150 bbls fresh water, released TOSSD and RU pump truck on tubing/casing annulus and vacuum truck on tubing for catch back and reverse circulated 130 bbls packer fluid at 1.5 bpm. Engaged TOSSD and pressure tested tubing/casing annulus to 600 psi for 30" on pressure gauge with no loss. Bled down pressure, ND BOP and NU injection tree and landed tubing in 18K compression. RU chart recorder on tubing/casing annulus and performed mock MIT at 620 psi, gained 20 psi in 35" due to temperature, bled down pressure and RDPU and pump truck. vacuum truck hauled 60 bf to public disposal. Left well shut in waiting on NMOCD MIT test to be performed. (SRF)

Daily Cost:	\$20,199
Total Daily Cost:	\$20,199
Total Cum. Cost:	\$136,007

Report Based On:

Date Range: 6/1/2022 through 6/29/2022

Wells selected based on the following Report Menu selections:

Wells = Shell Federal # 2.

#### Notice of Subsequent Report Approval

- Operator Name: **FASKEN OIL & RANCH LIMITED**
- Well Name: **SHELL FEDERAL**
- Well Number: **2**
- US Well Number: **3001522717**
- Sundry ID: **2679993**

The BLM received your Subsequent Report, Workover Operations on 06/30/2022. This is to notify you that we are Accepting your Subsequent Report Workover Operations. Please login to your account in AFMSS II to see the final documents.

You may contact the field office if you have any questions.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

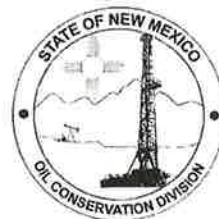
State of New Mexico  
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Secretary

Adrienne Sandoval, Division Director  
Oil Conservation Division



Date: 6/29/2022

API# 30-015-22717

A **Mechanical Integrity Test (M.I.T.)** was performed on, Well Shell Federal #002

☒ **M.I.T. is successful**, the original chart has been retained by the Operator on site. Send a **legible** scan of the chart with an attached **Original C-103 Form** indicating reason for the test, via post mail to District NMOCD field office. A scanned image will appear online via NMOCD website, 7 to 10 days after postdating.

☐ **M.I.T. is unsuccessful**, the original chart is returned to the Operator. Repairs will be made; Operator is to schedule for a re-test within a 90-day period. If this is a test of a repaired well currently in non-compliance, all dates and requirements of the original are still in effect.  
**No expectation of extension should be construed because of this test.**

☐ **M.I.T. for Temporary Abandonment**, shall include a detailed description on **Form C-103**, including the location of the CIBP and any other tubular goods in the well including the Operator's request for TA status timeline.

☐ **M.I.T. is successful**, after the secondary request of a scheduled M.I.T. is performed. Therefore, Operator has within a 30-day period from the M.I.T. to submit a current C-103 along with a legible scan of the Chart, including a detailed description of the repair(s). **Only after receipt of the C-103 will the non-compliance be closed.**

☐ **M.I.T. is successful**, Initial of an injection well, you must submit a **form C-103** to NMOCD within 30 days. A **C-103 form** must include a detailed description of the work performed on this well including the position of the packer, tubing Information, the date of first Injection, the tubing pressure and Injection volume.

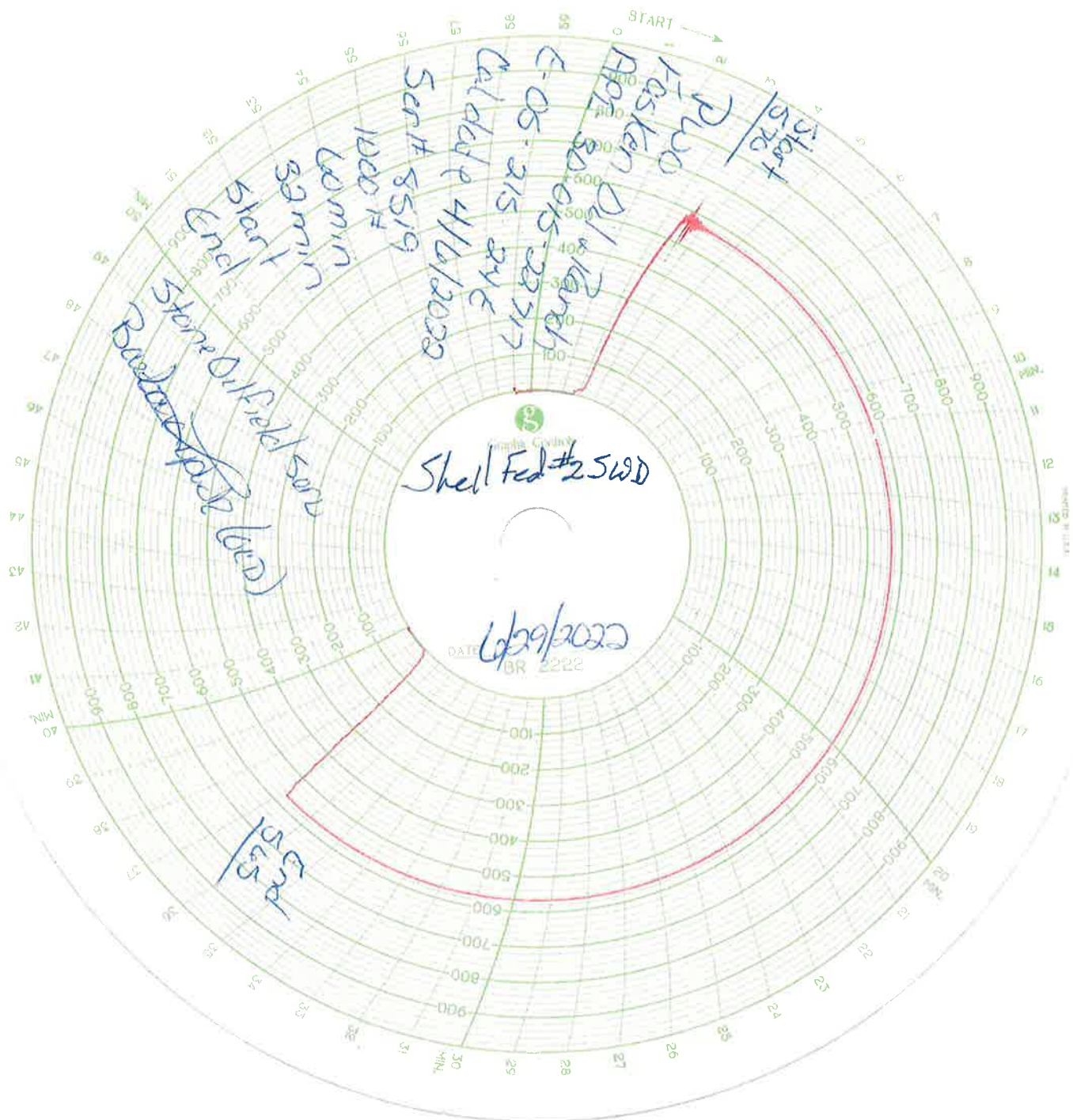
Please contact me for verification to ensure documentation requirements are in place prior to injection process.

**If I can be of additional assistance, please feel free to contact me at (575) 626-0836**

Thank You,

Barbara Lydick, Compliance Officer  
EMNRD-O.C.D.  
South District – Artesia, NM





DRAFT

South District-Artasia

**State of New Mexico**  
**Energy, Minerals and Natural Resources Department**  
**Oil Conservation Division Hobbs District Office**

**BRADENHEAD TEST REPORT**

Operator Name <i>Fasken Oil &amp; Ranch</i>	API Number <i>30.015-22717</i>
Property Name <i>Shell Federal</i>	Well No. <i>#002</i>

**1. Surface Location**

UL - Lot <i>E</i>	Section <i>05</i>	Township <i>21S</i>	Range <i>24E</i>	Feet from <i>3300</i>	N/S Line <i>S</i>	Feet From <i>600</i>	E/W Line <i>W</i>	County <i>Eddy</i>
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**Well Status**

YES	TA'D WELL <input checked="" type="radio"/> NO <input checked="" type="radio"/> YES	SHUT-IN NO	INJ	INJECTOR <input checked="" type="radio"/> SWD	OIL	PRODUCER GAS	DATE <i>6/29/2022</i>
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**OBSERVED DATA**

	(A) Surface	(B) Interm(1)	(C) Interm(2)	(D) Prod Csg	(E) Tubing
Pressure	<i>0</i>	<i>0</i>		<i>0</i>	<i>0</i>
Flow Characteristics					
Puff	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	CO2 <input type="checkbox"/>
Steady Flow	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	WTR <input type="checkbox"/>
Surges	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	GAS <input type="checkbox"/>
Down to nothing	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	Type of Fluid Injected for Waterflood if applies
Gas or Oil	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	
Water	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	

Remarks - Please state for each string (A,B,C,D,E) pertinent information regarding bleed down or continuous build up if applies.

*BHT-OK*

Signature: <i>Lucas Hedrick</i>	OIL CONSERVATION DIVISION
Printed name: <i>Lucas Hedrick</i>	Entered into RBDMS
Title: <i>Production Foreman</i>	Re-test
E-mail Address: <i>lucash@fortl.com</i>	
Date: <i>6/29/2022</i>	
Phone: <i>361-2000</i>	
Witness: <i>Lucas Hedrick</i>	

INSTRUCTIONS ON BACK OF THIS FORM

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### Notice of Subsequent Report Approval

- Operator Name: **FASKEN OIL & RANCH LIMITED**
- Well Name: **SHELL FEDERAL**
- Well Number: **2**
- US Well Number: **3001522717**
- Sundry ID: **2679998**

The BLM received your Subsequent Report, Mechanical Integrity Test on 06/30/2022. This is to notify you that we are Accepting your Subsequent Report Mechanical Integrity Test. Please login to your account in AFMSS II to see the final documents.

You may contact the field office if you have any questions.

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## Shell Federal No. 2 SWD

As Of 1-31-12

GL: 3765.70'; KB: 3781.7'

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 3300' FSL and 660' FWL

Sec 5, T21S, R24

Eddy County, NM

Compl.: 12/10/1978 Rig Released

API #: 30-015-22717

TD: 10020'

Casing: **13-3/8" 54.5# J55 @ 400'**w/400sx Lite w/2%CaCl<sub>2</sub>, 13.6ppg+200 sx "C" w/2%CaCl<sub>2</sub>, 14.8ppg.

TOC surf, cir 201sx

**8-5/8" 32#&24# K55 @ 3000' KB**

(btm 628.12' 32#)

w/925 sx Lite, 13.1-13.6 ppg

+200 sx "C" w/2%CaCl<sub>2</sub>, 14.8ppg.

TOC surf, cir 137sx

**5-1/2" 17# L-80, K-55, & J-55 @ +/-10678'****ECP1 10650', DV1 10645.1', ECP2 7028.2', DV2 7023.02'**

First Stage: Set packer and open DV tool, pumped 775 sx Starbond C with 0.5% C-12, 0.55% FL-10, 0.1% C-51, 0.15% C-20, and 0.25% R-38 (s.w. 13.2 ppg, 1.56 yield ft<sup>3</sup>/sx). Final differential pressure 1150 psi @ 3.5 bpm. Full returns throughout. Close lower DV tool, open top DV tool and circulate for 6 hrs. Did not recover any cement from first stage. Plug down @ 6:00 a.m. CST on 1-30-12.

**Wlfcmp 7018'**

Second Stage: Pumped 700 sx 35/65 "C" with 1/8# Poly-E-Flake, 0.1% C-20, 0.25% R-38, 1% salt, and 6% gel (s.w. 12.4, yield 2.01 ft<sup>3</sup>/sx), tailed in with 250 sx Class "H" with 0.1% C-20 and 0.25% R-38 (s.w. 15.6 ppg, yield 1.18 ft<sup>3</sup>/sx). Good returns throughout, circulated 120 sx to surface. Final differential pressure 1890 psi, plug down @ 2:00 p.m. CST on 1-30-12.

**Tubing 6/30/2022**

1 - 2-7/8"x4' mule shoe fbrgls sub 4.47

1 - 5-1/2"17# NP Arrowset IX 10K pkr 7.41

w/wetted IPC parts

1-2.25"SS PMN w/3-1/2" OD TOSSD 2.00

'NP w/SS t/sub3-1/2"x2-7/8"/mSSXO

325-jt3-1/2"9.3#EUE8rd L80 IPCTK-99

'w/special clearance cplngs

10,598.2010,612.08

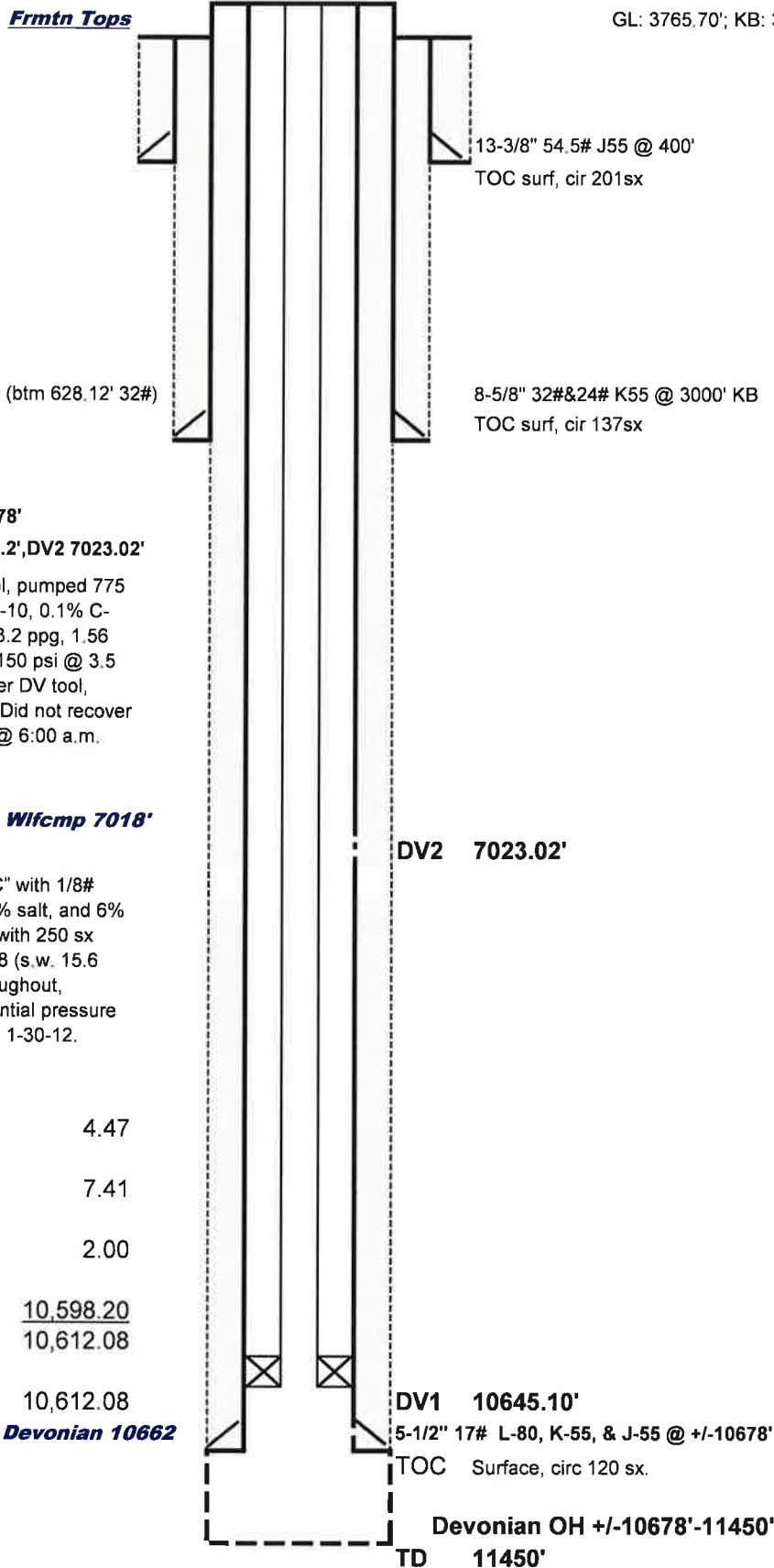
Pkr 10610

EOT 10,612.08

**Devonian 10662****Hole Sizes:**

17-1/2" 0-400'; 12-14" 400-3000' ; 7/7/8" 3000'-10020'

New 7-7/8" 10020'-11450' (OH +/-10250'-11000')

**DV1 10645.10'****5-1/2" 17# L-80, K-55, & J-55 @ +/-10678'**

TOC Surface, circ 120 sx.

**Devonian OH +/-10678'-11450'****TD 11450'**

cwb

7/1/2022

ShellFed2 wb diagram

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 122258

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 122258
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	None	7/7/2022