#### District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

### State of New Mexico

Energy, Minerals and Natural Resources

n	
District	: 1

1301 W. Grand Ave., Artesia, NM Phone: (505) 748-1283 Fax: (505) 748-1280 S	rvation Division	Form C-103 Permit 96260		
Phone (505) 748-1283 Fax (505) 748-9720 1220 S.	St Francis Dr.	WELL API NUMBER		
MAY 26 White	Fe, NM 87505	30-025-35847		
Phone (505) 334-6178 Fax:(505) 334-6178 BBSOCD  District IV		5. Indicate Type of Lease		
		P		
1220 S St Francis Dr., Santa Fe, NM 87505 Phone (505) 476-3470 Fax:(505) 476-3462		6. State Oil & Gas Lease No.		
SUNDRY NOTICES AND REPORTS O	ON WELLS	7. Lease Name or Unit Agreement Name		
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DI	EEPEN OR PLUG BACK TO A	KLEIN 5		
DIFFRENT RESERVIOR. USE "APPLICATION FOR PERMIT" (FOR	M C-101) FOR SUCH	8 Well Number		
PROPOSALS.)		001		
1. Type of Well:O				
2. Name of Operator		9. OGRID Number		
READ & STEVENS INC		18917		
3. Address of Operator	i	10. Pool name or Wildcat		
P. O. BOX 1518, ROSWELL, NM 8820	)2	See Area 13		
Unit Letter I: 2020 feet from the S line an Section 5 Township 20S R	d 330 feet from the	E line Lea County		
11. Elevation (Show whe	ther DR, KB, BT, GR, etc.)			
36.	32 GR			
Pit or Below-grade Tank Application or Closure				
Pit Type Depth to Groundwater Distance from nearest fresh	n water well Distance from near	rest surface water		
	bbls; Construction Material			
12. Check Appropriate Box to Indicate	e Nature of Notice, Report or	Other Data		
NOTICE OF INTENTION TO:	SUBSEQUEN	T REPORT OF:		
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐	REMEDIAL WORK	☐ ALTER CASING ☐		
TEMPORARILY ABANDON ☐ CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS.	☐ PLUG AND ABANDON ☐		
PULL OR ALTER CASING	CASING/CEMENT JOB			
Other:	Other: Perforations/Tubing	×		
13. Describe proposed or completed operations. (Clearly state all pertinent details, SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed 05/07/09 - 05/14/09 MIRUSU. POH w/rods. POH w/tbg. Set CIR @ 8,790'. Squeeze relations.	completion or recompletion.			
w/additives. Tail in w/50 sxs H Neat cmt. Squeeze to 2000 psi w/2	5 sxs cmt in tbg. Tag up at 8,760	. Drill cmt to CIR. Tag RBP @		

9,438'. RIH w/BPMA, OD seating nipple, tbg, TAC EOT @ 10,518'. Landed seating nipple at 10,484'. Set TAC at 9,364'. RIH w/2 1/2" x 1 1/4" x 24' pump, 9 - 1" rods, 181 - 3/4" rods. 115 - 7/8" rods, 114 - 1" rods and 1 1/2" x 30' polished steel rod. Seat & space pump. Hang well on. RDMOSU.

# **Perforations**

Pool: O	SUDO;DE	WONIAN, NOR	TH , 97155 L	ocation: I -5-2	0S-36E 2020	S 330 E
TOP	POT	Open Hole	Chata/ft	Chat Cina	Makadal	0411

TOF Open Hole Shots/ft Shot Size Material Stimulation Amount 10656 10680 N 1 0.44 Acid 500

Pool: OSUDO;STRAWN, 48120 Location: I -5-20S-36E 2020 S 330 E

TOP BOT Open Hole Shots/ft Shot Size Material Stimulation Amount 9668 9723 Ν 0.44 Acid 3000

# **Tubing**

### OSUDO; DEVONIAN, NORTH, 97155

Tubing Size Type Depth Set Packer Set C103PerfReport

http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/C103/C...

2.875 N80 10518

OSUDO;STRAWN, 48120

**Tubing Size** Depth Set Type Packer Set

2.875 N80 10518

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will

be constructed or closed according to NMOCD guideling ..., a general permit or an (attached) alternative OCD-approved plan ...

DATE 5/22/09 TITLE Retroleum Cosiner **SIGNATURE** nan Telephone No. 622 read-stevens.cm E-mail address dluna Type or print name

For State Use Only:

APPROVED BY:

PETPOLEM ENGINEER DATE

## READ & STEVENS, INC Commingle Strawn & Devonian

**API NUMBER:** 

30-025-35847

**WELL NAME:** 

Klein 5 #1

FIELD NAME:

North Osudo: Devonian/Strawn

LOCATION:

Lea Co., New Mexico

220'FSL & 330'FEL

TD:

S5, T20S, R36 10933'

PBTD:

10710' (Cement Retainer)

**ELEVATIONS:** 

GL 3632' KB 3649'

CSG:

5 ½" 17# N-80 @ 10913' (DV/ECP @9402', MJ@9959')

8 5/8"32#J55 @4598', 13 3/8" @ 408'

**Current Perfs:** 

Devonian: 10656-61, & 10671-80 (30 holes)

Strawn: 9668-74, & 9717-23 (14 holes)

**CONTACT LIST** 

Operator:

Read & Stevens, Inc.

575 622-3770 8-5 M-F Office

400 Penn Plaza, Suite 1000 Roswell, NM 88201 575 622-8643 fax

Company Rep:

Will Palmer

390-2424

Joe Tovar

390-2425

Engineer:

David Luna

575 626-9395 cellular

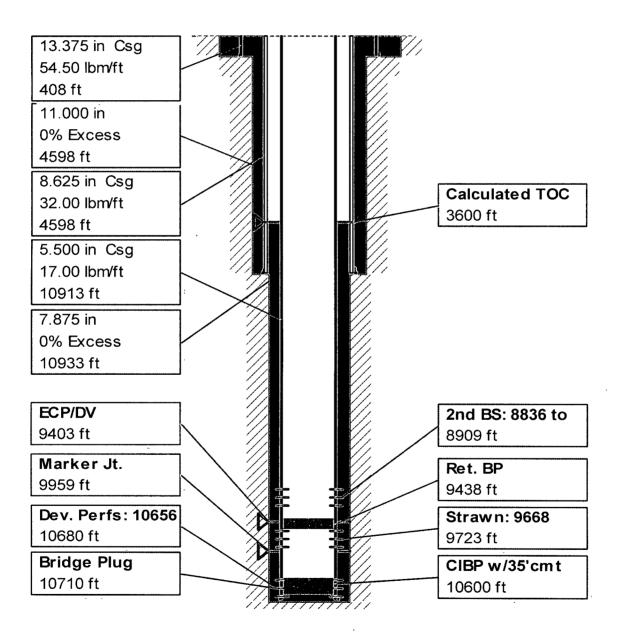
#### Procedure:

- 1. Pull rods & tbg. Prepare to Squeeze 2<sup>nd</sup> Bone Springs perfs (8836, 38, 40, 97, 98, 99, 8907, 08, 09).
- 2. TIH with retainer set at 8800 ft. Rig up Halliburton.
- 3. Establish injection rate into perforations with fresh water.
- 4. Pump 500 gallons FloChek. Pump 2 bbl fresh water spacer. Mix and pump 100 sks lead cement. Mix and pump 50 sks tail cement. Displace to 1 bbl above retainer
- 5. Sting out of retainer & pull up 10 ft above retainer. Reverse well bore clean
- 6. Lay down setting tool. Shut in overnight.
- 7. TIH with bit and scraper drill out & test. POOH
- 8. TIH. Reverse hole clean. Latch and release RBP at 9438'.
- 9. TIH with bit and scrapper and drill out cement (35') & CIBP at 10600'.
- 10. Tag fill & clean out to 10705' (Cement Retainer at 10710').
- 11. Swab and report findings

**Directions:** West of Monument for 2 miles. South on Maddox Road. See attached PDF.

Klein 5 #1 Read Stevens S5,T20S,R36E 2020FSL 330FEL

API: 30-025-35847 Field: North Osudo Pre Squeeze Diagram

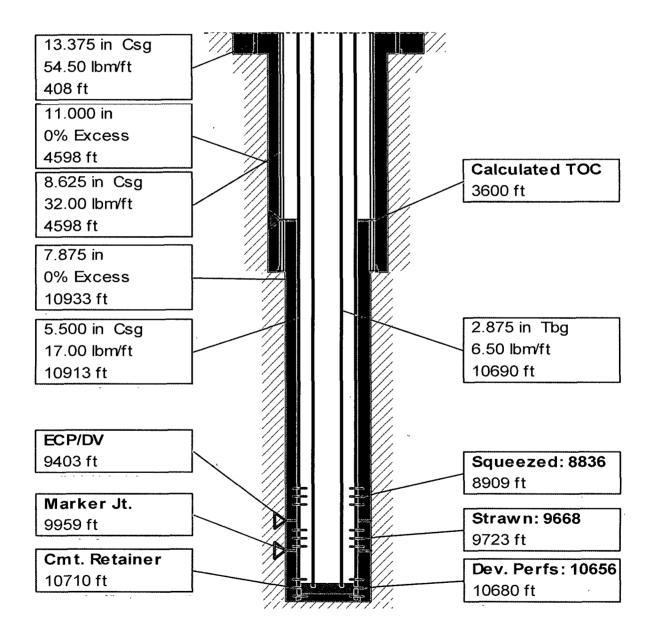


i-Handbook\* - \*a mark of Schlumberger

Klein 5 #1 Read Stevens S5,T20S,R36E 2020FSL 330FEL

API: 30-025-35847 Field: North Osudo

Commingle Strawn Devonian



i-Handbook\* - \*a mark of Schlumberger

## Read & Stevens, Inc. Daily Workover Report

Lease: Klein 5 Federal		Well# 1 Date: 03 02 09 Days: 12			03 02 09 <b>Days:</b> 12			
Objective: Recompletion Contractor: Lucky Services								
Supervis	sor: Jo	e Tov	ar	DC:	\$36	662	CC:	\$81,440
Lucky (rig) \$3312 Supervision \$350								
Pulled	Pu	ılled	Description	Ran		Ran <sup>-</sup>	Status	Remarks
Footage	Nu		(wt ,type, code, etc )	Footage		Number	S,N,I,T	Set at, Tension, etc
			2 7/8" EUE 6.5# N80 8rd tubing	9626		306		
			2 7/8" O.D. 8rd seating nipple	1	10		S	
			27/8" x 5 1/2" packer	4	0	1	I,T	Set @ 9631'
								^
			Work Perform	ed:				
			#. Blow well down to tank w/no fluid recove					
@ 8600'	FS (10	00' flu	uid rise in 40 hours). Had 900' free oil on fir	st swab ru	ın. N	/lade 3 sv	wab rur	ns from seating nipple
unable to lower fluid level. Change from undersize cups to wire cups. Made two runs from seating nipple w/wire								
			F on first run and second run was dry. Beg					
			w/80% oil cut. Good gas flow after every r					
FTP then slowly decreased Recovered 10 BO and 4 BW for the day. SWIFN. Prep to swab test well this AM								
					-			

# Read & Stevens, Inc. Daily Workover Report

Lease:	Kleir	5 Fede	eral	Well#	1			03.03.09 <b>Days:</b> 13
Objective: Recompletion			Contractor: Lucky Services					
Supervisor: William V. Palmer			DC:	\$43	365	CC:	\$85,805	
Lucky (rig) \$4015 Supervision \$350								
				-				
Pulled		Pulled	Description	Ran		Ran	Status	Remarks
Footage		Number	(wt ,type, code, etc )	Footage		Number	S,N,I,T	Set at, Tension, etc
			2 7/8" EUE 6.5# N80 8rd tubing	9438				
			2 7/8" O.D. 8rd seating nipple	1			S	
<u> </u>			27/8" x 5 1/2" packer	4	0	1	I,T	
			2 7/8" x 5 1/2" RBP	4	27	1	I,T	set at 9510'
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	igspace				_			
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0.75	0.5.1.	<del></del>	Work Perform		011 :	da la composición de	- L DC'	@ 0000 FEC card
SITP - 425#. Blow well down to tank. No fluid to surface. RU & RIH w/2 1/2" tubing swab. BFL @ 8600 FFS and								
aerated (1000' above packer). Swab back 3 BO lowering fluid level to packer. Continue swabbing well pulling one run per hour recovering between 1 - 2 BFPH. Oil cut between 90% - 100% Good gas flow after run dropping off						bing well pulling one		
run per r	nour r	ecoveri	ng between 1 - 2 BFPH. Oil cut between 90	J% - 100%	6 G	ood gas i	iow aπ	er run gropping oπ
within 30	mini	utes. I c	otal daily recovery of 6 BO, <1 BW. RD swa	ID. Attemp	1 10	open by	bass on	packer, vvouid not
release. WO pump truck. RU pump truck. Load tubing w/55 BPW. Release packer. RD pump truck. POOH w/tubing,								
packer. Start in hole w/RBP, tubing. SWIFN. Prep to set RBP and perforate this AM.								
								- 10
-								
L								