

# Rudnik B-4

API # 05-121-07569  
Wesco Operating Inc.  
Plug and Abandon

**Location:** SESW, Sec.27, T3S, R51W, Washington County, Colorado

**Elevations:** GL = 4663' KB = 4668'

**Depths:** TD = 4110' PBTD = 4071'

**Tubular & Equipment:**

Surface Casing: 8 5/8", 24 lb/ft, J-55, set at 113'

Production Casing: 5 1/2" 14-15.5 lb/ft, J-55, set at 4103'

Tubing: 118 jts 2 7/8" J-55

**Current Producing Formation:** NA

**Current Status:** Shut In

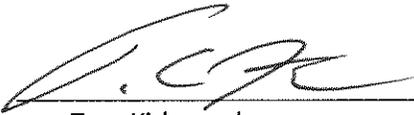
**Proposed Status:** Plugged and Abandoned

**Recommendations:**

A COGCC inspection was conducted on the Rudnik B-4. A plug or produce order was issued by the COGCC due to this inspection. At this time it is recommended to plug the B-4 well as follows:

**Procedure:**

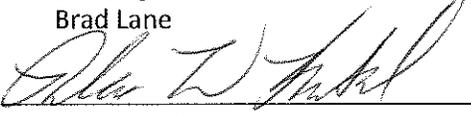
- 1) Check rig anchors.
- 2) MIRU workover rig, unhang well, unseat pump and TOOH, LD as follows: 53 – 7/8", 85 – 3/4", 6 – K-bar, pump. RD rod equipment
- 3) RU tbg equipment and release TAC, TOOH tallying 2 7/8" J-55 tbg (113 jts, TAC, 4jts, SN, MA). LD TAC & MA.
- 4) MIRU hydrotester, PU and test in hole to 6000 psi with 4 3/4" bit and scraper sized for 5 1/2" 14-15.5# casing on 2 7/8" tbg TIH to PBTD of 4071' KB. TOOH and LD bit and scraper, RDMO hydrotester.
- 5) PU and RIH with 5 1/2" 15.5# CICR on 2 7/8" tbg. TIH and set CICR at ~3950' prior to release off CR, pressure test tbg to 1000 psi.
- 6) Release off CICR and MIRU cement crew, hold safety meeting to discuss job. Sting into CR and pump 30 sxs 15.8# 1.15 yield class G cement into perms with 1000 psi max pressure, sting out and leave 12 sxs 15.8 # 1.15 yield class G cement on top of CICR.
- 7) TOOH LD 2 7/8" tbg to 2110' KB and leave 25 sxs balance plug of 15.8# 1.15 yield class G cement from 2110'KB to 1900' KB. RDMO cement crew TOOH, LD 2 7/8" tbg.
- 8) MIRU wireline unit, PU and RIH with 1 ft 4spf squeeze gun and perforate at 163' KB. RDMO wireline unit.
- 9) Hook onto 5 1/2" casing with pump and return out 8 5/8" surface casing to flat tank establish circulation down 5 1/2" casing and out surface casing. **(Be careful opening surface casing, there may be some pressure)** Circulate clean.
- 10) RU cement trucks and pump 15.8# 1.15 class G cement until seeing cement in returns. (stop if cement is not to surface in 100 sxs) switch from flat tank to pit after 45 sxs to ensure cement does not get into flat tank (should have cement to surface after 50 sxs). have sugar handy incase cement gets in flat tank.
- 11) RDMO cement trucks. RDMO well service unit, cut off well head 4 ft below grade, and weld on legal plate. If cement has fallen more than 20 ft mix and fill casing with ready mix.
- 12) Reclaim location, tear down facility.

Prepared:   
Tom Kirkwood

Date: 9/29/15

Approved:   
Brad Lane

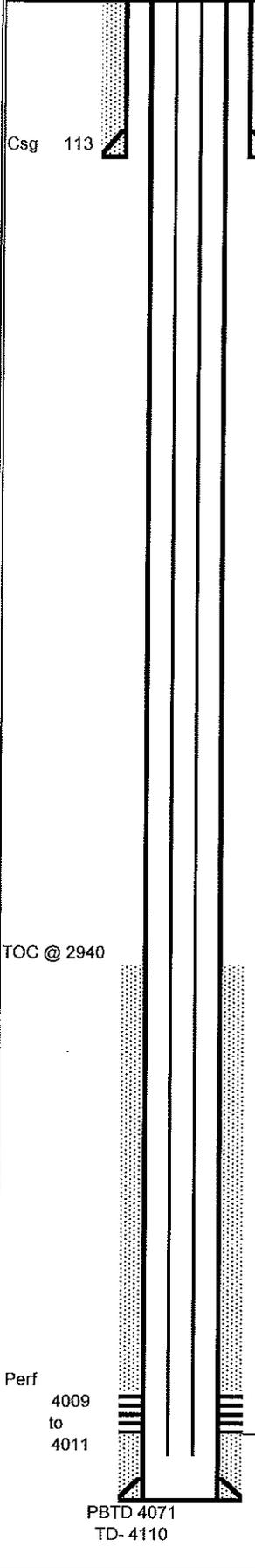
Date: 9-29-15

Approved:   
Robert Kirkwood

Date: 9/29/15

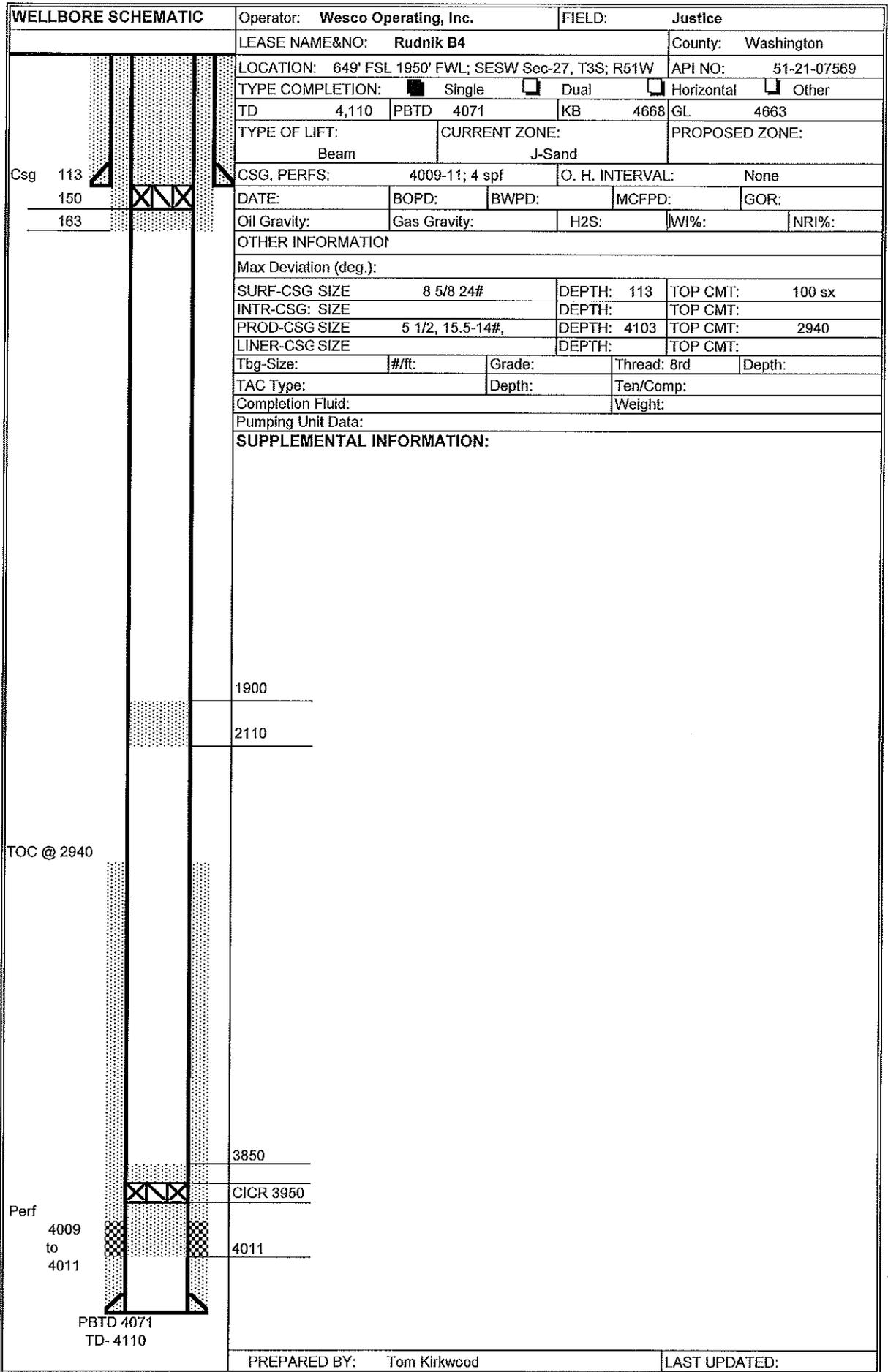
**WELLBORE SCHEMATIC**

Operator: <b>Wesco Operating, Inc.</b>		FIELD: <b>Justice</b>	
LEASE NAME&NO: <b>Rudnik B4</b>		County: <b>Washington</b>	
LOCATION: <b>649' FSL 1950' FWL; SESW Sec-27, T3S; R51W</b>		API NO: <b>51-21-07569</b>	
TYPE COMPLETION: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Dual <input type="checkbox"/> Horizontal <input type="checkbox"/> Other			
TD <b>4,110</b>	PBTD <b>4071</b>	KB <b>4668</b>	GL <b>4663</b>
TYPE OF LIFT: <b>Beam</b>		CURRENT ZONE: <b>J-Sand</b>	PROPOSED ZONE:
CSG. PERFS: <b>4009-11; 4 spf</b>		O. H. INTERVAL: <b>None</b>	
DATE:	BOPD:	BWPD:	MCFPD:
GOR:			
Oil Gravity:	Gas Gravity:	H2S:	WI%: NRI%:
OTHER INFORMATION			
Max Deviation (deg.):			
SURF-CSG SIZE <b>8 5/8 24#</b>		DEPTH: <b>113</b>	TOP CMT: <b>100 sx</b>
INTR-CSG: SIZE		DEPTH:	TOP CMT:
PROD-CSG SIZE <b>5 1/2, 15.5-14#</b>		DEPTH: <b>4103</b>	TOP CMT: <b>2940</b>
LINER-CSG SIZE		DEPTH:	TOP CMT:
Tbg-Size:	#ft:	Grade:	Thread: <b>8rd</b> Depth:
TAC Type:		Depth:	Ten/Comp:
Completion Fluid:		Weight:	
Pumping Unit Data:			
<b>SUPPLEMENTAL INFORMATION:</b>			



PREPARED BY: **Tom Kirkwood**

LAST UPDATED:



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TAC Type:	Depth:	Ten/Comp:
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