

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' PBD = 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 TOO, LD as follows: 53 – 7/8", 85 – 3/4", 6 – K-bar, pump. RD rod equipment
- 3) RU tbg equipment and release TAC, TOO, 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. TOO 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 perfs with 1000 psi max pressure, sting out and leave 12 sxs 15.8 # 1.15 yield class G cement on top of CICR.
- 7) TOO 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 TOO, 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

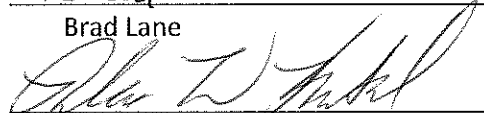
Approved:


Brad Lane

Date:

9-29-15

Approved:


Robert Kirkwood

Date:

9/29/15

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

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SUPPLEMENTAL INFORMATION:						
<div style="display: flex; justify-content: space-between;"> <div> <p>1900</p> <p>2110</p> <p>TOC @ 2940</p> <p>3850</p> <p>CIGR 3950</p> <p>4011</p> <p>PBTD 4071 TD -4110</p> </div> <div> <p>Perf 4009 to 4011</p> </div> </div>						
PREPARED BY: Tom Kirkwood			LAST UPDATED:			