



Wilson Creek Unit #69  
Rio Blanco Colorado  
Current Well Schematic as of 10/21/2020

KB 13' Original  
KB Elev 7021'  
Gr Elev 7008'

API: 05-103-09693  
Legals: Sec 4 - TWN 2N - Range 94W  
Field: Wilson Creek Unit

Spud Date: 6/13/1995

Surface Casing

10-3/4", 40.5#, K-55 @ 0-620'  
Cemented w/ 466 sx to surface

LAST WORKOVER TUBING DETAILS

Tubing Strings								
Tubing Description		Planned Run?		Set Depth (MD) (ft/DB)		Set Depth (TVD) (ft/DB)		
Tubing - Production		N		5,032.6				
Run Date		Run Job		Pull Date		Pull Job		
9/4/2013		Tubing Repair, 8/27/2013 07:00						
Jbs	Item Desc	OD (in)	ID (in)	WT (lb/ft)	Grade	Top Thread	Len (ft)	Top (ft/DB)
157	Tubing- 2 7/8" NEW bare	2 7/8	2.441	6.50	J-55		5,018.20	13.0
	Pump Seating Nipple	2 7/8	2.250				1.18	5,031.2
	Collar	2 7/8	2.441				0.22	5,032.4
	Tubing landed on 7 1/16" spool @							5,032.6

ROD DETAILS

Rod Description		Planned R	Set Depth (ft/DB)		Run Date		Pull Date		
Continuous sucker rod		N	5,031.2		9/5/2013				
Rod Components									
Jbs	Item Description	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	Polished rod w/ liner	1 1/2				30.00	9.2	39.2	
Pony Rod									
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Jbs	Continuous sucker rod	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	Continuous sucker rod	7/8	2.04	D		1,018.00	55.2	1,073.2	
Jbs	Continuous sucker rod	13/16	1.76	D		3,913.00	1,073.2	4,986.2	
Jbs	Continuous sucker rod	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	Pony rod-guided	7/8	2.22	D		3.00	4,986.2	4,989.2	
Jbs	Pony rod-guided	7/8	2.22	D		3.00	4,989.2	4,992.2	
Jbs	On/off tool	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	On/off tool	2		D		1.00	4,992.2	4,993.2	
Jbs	Rod insert pump	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	1.25" RHBC	2 1/4		D		24.00	4,993.2	5,017.2	
Jbs	Item Description	OD (in)	WT (lb/ft)	Grade	Scraper Description	Length (ft)	Top (ft/DB)	Bin (ft/DB)	
Jbs	Gas anchor	1 1/4		D		14.00	5,017.2	5,031.2	

Pony rods pulled on 10/20/2020.

All other components on rod detail still in well.

Pony rods pulled on 10/20/2020.  
All other components on rod detail still in well.

TOC = 2816' (Calc)

Top of Niobrara 3977'

Tubing Details:

2-7/8", 6.5#, J-55, 2.441" ID bare tubing  
0-5031'

Production Casing:

7-5/8", 26.4 & 29.7#, S-95 in 9-7/8"  
hole @ 0-4005' cemented w/ 384 sx.  
TOC = 2816' by calculation

Seating Nipple:  
2-7/8" @ 5031'  
EOT @ 5033'

PBTD = 5117'

Slotted Liner:

5-1/2", 15.5#, K-55 in 9-7/8" hole @ 3980' to 5117'

Fish:

Top of bit sub & bit fish @ 5123'

Original TD = 5129'  
TD = 5150'

Prepared By: R. Mizell  
Date: 10/15/2020

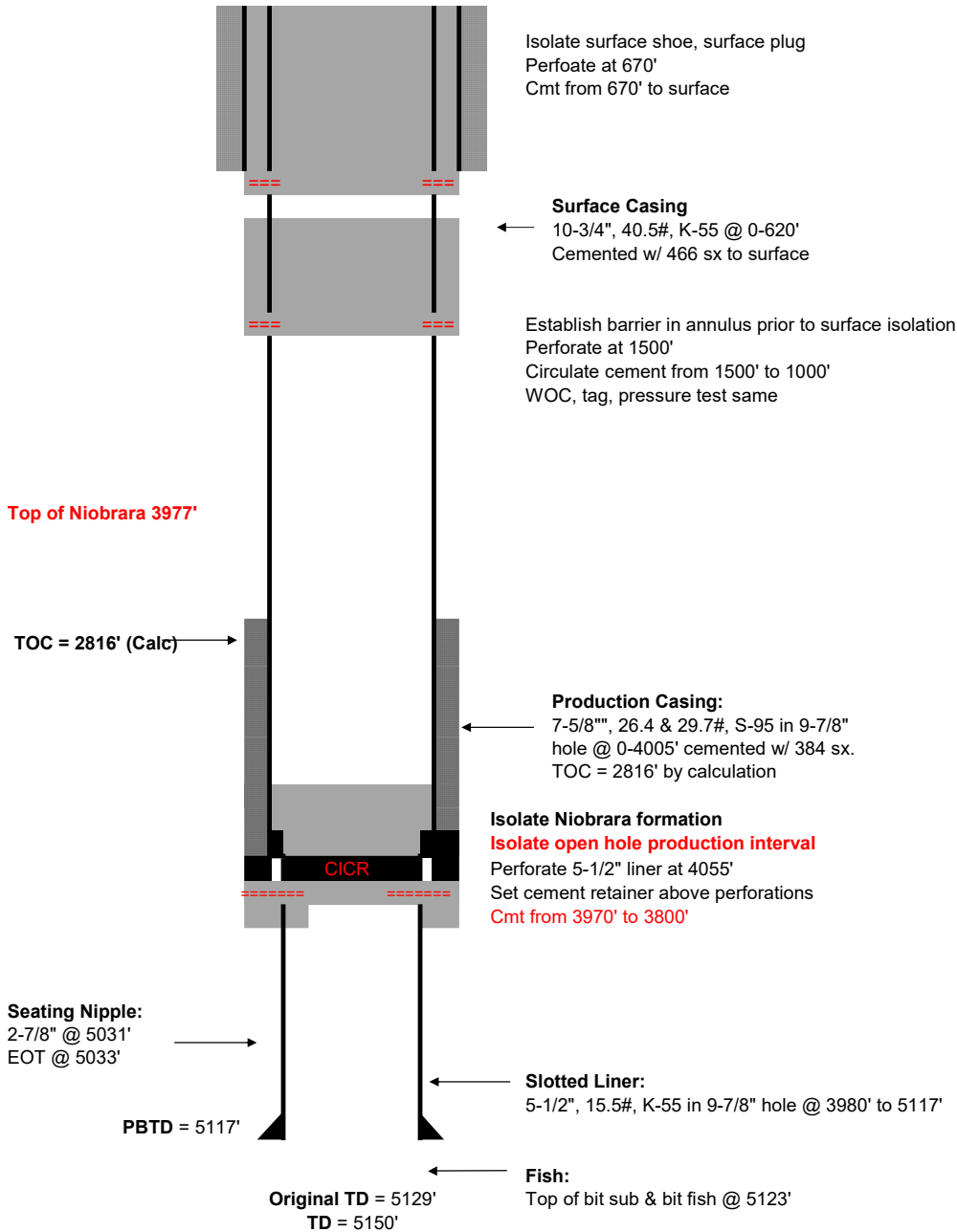


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**Gr Elev** 7008'

**API:** 05-103-09693  
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**Field:** Wilson Creek Unit

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**Prepared By:** R. Mizell  
**Date:** 5/3/2022

**Wilson Creek Unit #69  
Rio Blanco Colorado  
Current Well History as of 10/21/2020**

<u>Date</u>	<u>Event</u>
6/13/1995 - 6/23/1995	Spud well & drilled to TD of 5129'. <b>Ran 10-3/4", 40.5#, K-55 casing from 0'-620'. Cemented w/ 466 sxs. Cement to surface.</b> <b>Ran 7-5/8", 26.4# &amp; 29.7#, S-95 casing from 0'-4005'. Cemented w/ 384 sxs.</b>
6/24/1995 - 7/3/1995	<b>Niobrara Completion:</b> Completed as <b>Open Hole from 4005'-5129'.</b> <b>Left 6' fish (bit &amp; bit sub) in hole @ 5123'.</b> Ran GR-DIL-SP-Caliper log from 5085' to 3996'. Ran 2-7/8", 6.5#, N-80 tubing & 2" rod pump.
9/1/1995 - 9/2/1995	Pulled pump & replaced w/ new 1-1/2" pump. When pulling out of hole, swabbed out "pudding like" paraffin/gas emulsion. Also separator site glass and dump float were plugged w/ paraffin.
12/6/1995 - 12/19/1995	Pulled pump, rods, and tubing. Attempted to log...stacked out @ 4099'. Attempted to clean out w/ hydrostatic bailer. TIH w/ notched collar. Unable to get past. Ran 6-1/8" bit and cleaned out from 4100' to 5114' circulating w/ crude oil and diesel. Ran guide shoe and <b>24 jts of 5-1/2", 15.5#, K-55 slotted liner from 4022'-5114'.</b> Ran production tubing. Swabbed back 230 bbls load oil, ran pump and rods.
1/6/1996 - 1/8/1996	Found pump not on rods. Screwed into rods. Pulled pump, seating rings damaged. Changed pump, ran rods.
7/9/1996 - 7/10/1996	Rods parted. Screwed back into rods, unseated pump. Hot oiled backside and tubing w/ 20 bbls each, flushed flowline and separator w/ 10 bbls each. Pulled rods and pump. Ran rebuilt pump and rods.
8/31/1998 - 9/3/1998	Unseat pump & pulled rods and pump. Ran new pump & 51 rods & stacked out in paraffin. Hot oiled and ran paraffin knife. Left pressure on over night. Ran new pump and rods.
3/14/2000 - 3/17/2000	Unseat pump and start out of hole. Paraffin heavy and swabbing with rods and pump. Hot oil down tubing w/ 60 bbls. Finish pulling rods and pump. Ran new pump and rods.
7/5/2000 - 7/25/2000	Attempted to Deepen Well Unsuccessful: Try and pump down tubing to clean rods, could not press up. Pumped hot oil down backside. Pulled rods (full of paraffin), pump, and tubing. Ran fishing tools. Tagged top of liner @ 4027'. <b>Pulled slotted liner.</b> Ran 6-1/4" bit and tagged @ 4216'. Cleaned out to 4358'. Issues with clay plugging up equipment. Ran 6-3/4" skirted bit and tagged fill @ 4107'. Cleanout to 5117'. Clay plugging up equipment. Ran fishing tools and tagged small bridge @ 5114'. Washed down to 5119'. Could not recover fish. Ran 4-3/4" bit and couldn't make any hole. Ran 2" to 4-3/4" tapered mill and milled down to 5121'. Got "melted iron: in returns. Ran 4-1/8" bit and cleanout to 5122'. Ran 6-1/8" tapered mill and cleanout to 5125'. Ran 4-3/4" bit and drilled to 5150'. Loosing 200+ BPH fluid. Tubing plugged off. Swabbed fluid from tubing & pulled tubing, bottom 3 joints were plugged w/ shale. Ran tubing and swabbed well. Pulled tubing. Ran 6-1/8" bit and tagged @ 5120'. Pulled bit. Ran 4-3/4" bit and tagged @ 5135'. Tried cleaning fill, but lost 258 bbls in 40 mins. Pulled bit. Ran 20' of 3-1/2" slotted liner on bottom of 1137.5' of 5-1/2", 15.5# slotted liner. Tagged @ 4992'. Could not make it any deeper. Pulled slotted liner. Ran 6-3/4" bit and tagged bridge @ 4949'. Cleaned out to fish @ 5120'. <b>Ran 5-1/2", 15.5#, K-55 slotted liner and set @ 5117'. Top of liner @ 3980'. On bottom of liner there is a 5-1/2" X 3-1/2" welded swedge w/ a 3-1/2" collar, 3-1/2" x 3" line pipe threaded swedge, 3" collar w/ a 3" plug.</b> Ran tubing and anchor. Ran pump and rods.
8/20/2002	Pump, rods, & tubing job. Pump would not come out of bottom joint or Seating Nipple, rods parted, and 7 joints of tubing were plugged with paraffin.
11/27/2006 - 11/28/2006	Convert to corod.
10/06/2009 - 10/15/2009	Unseat pump, hot oil well, pull corod & pump. Dropped standing valve, test tubing (good), pulled plug. Ran new pump and corods.
12/20/2012 - 12/21/2012	Pulled corod and 1.25" pump. Replaced pump w/ 1.5" and reran corod.
8/27/2013 - 9/5/2013	Pulled corod and 1.5" pump. RIH w/ 1-3/4" blind box & tag @ 5103'. Pull 2-7/8" tubing. Ran new 2-7/8" tubing. Ran 1.25" pump and corod.
10/19/2020 - 10/20/2020	Attempted to pull corod and pump, unsuccessfull. Hot oiled down backside and w/ ~134 bbls. Could not pull corod & pump. Pulled all pony rods. All other components of rod string still in well.  Notes from attempt to pull corod: Made multiple attempts to flush down the tubing on Wilson Creek 69 with no success. Tubing pressured up instantly, put 1200 lbs on it again, no luck. In further discussions with Prime we decided to secure the well and let everyone go home. Shut in the ratigans/BOP, on the polish rod and Tubing/Casing valves are open at this time. Pumping unit will be locked out with Chain and lock around Bull Wheel with the severity of the paraffin in the tubing we are not going to try to wash across the Flow T and attempt to pull the rods/pump. Very likely issue that could happen is because we were not able to establish circulation through the tubing to flush the paraffin out, the action of pulling the pump can cause it to be 100% stuck with Co-Rod sticking out of the well with no way to get positive physical isolation on the wellhead. We pumped all the oil that was on the hot oil rig back into the production tank and will get a final tank gauge and input the info into EC. As best as we see it at this point, we could try to use Diesel to pump again down the backside to kill well and heat up the tubing and attempt again to flush down the tubing, which we would need at a minimum 300 bls of diesel, or leave well shut in and turn it over to the wells group for Rig Intervention.