



South Douglas Creek 7305

SE/NW - Section 1 – T4S - R102W

Federal Lease: COC-03961

API: 05-103-05019

Rio Blanco County, Colorado

Lat: 39.731086 Long: -108.797031

P&A Procedure

November 30, 2015

Engineer: James Dickerson

Production Group Lead: Justin Barberio

Piceance Production Supervisor: Doug Rosa

API Number: 05-103-05019

Spud Date: April 11, 1963

GL Elevation: 6467 ft

TD: 1260 ft

Surface Casing: 7" OD, 20 lb/ft, K-55, set at 124 ft.

Surface Casing Properties:	ID:	6.456"
	Drift ID:	6.331"
	Collapse:	2,270 psig
	Burst:	3,740 psig
	Joint Yield Strength:	254,000 lb
	Capacity:	0.0404 BBL/ft
	Capacity 7" casing x 9 5/8" casing:	0.0297 BBL/ft
	Capacity 7" casing x 8 3/4" hole:	0.0268 BBL/ft

Production Casing: 4 1/2" OD, 9.5 lb.K55 set at 1101 ft

Production Casing Properties:	ID:	4.052"
	Drift ID:	3.927"
	Collapse:	4,010 psig
	Burst:	4,790 psig
	Joint Yield Strength:	146,000 lb
	Capacity (10.5 lb/ft):	0.0159 BBL/ft
	Capacity (11.6 lb/ft):	0.0155 BBL/ft
	Capacity 4 1/2" casing x 7" casing:	0.0208 BBL/ft
	Capacity 4 1/2" casing x 6 1/4" hole:	0.0183 BBL/ft

Tubing: 2 3/8" OD, 4.7 lb/ft, J-55, set at 1097 ft.

Tubing properties:	ID:	1.995"
	Drift ID:	1.901"
	Coupling OD:	3.063"
	Collapse:	8,100 psig
	Burst:	7,700 psig
	Joint Yield Strength	71,730 lb
	Capacity:	0.00387 BBL/ft
	Capacity 2 3/8" tubing x 4 1/2" 10.5 lb/ft casing:	0.0105 BBL/ft
	Capacity 2 3/8" tubing x 4 1/2" 11.6 lb/ft casing:	0.0101 BBL/ft

Cement: Open hole completion.

Objective

Plug and abandon the South Douglas Creek 7305.

Background

The South Douglas Creek 7305 is a vertical well drilled in April of 1963. It was originally completed in the Morapos formation and is an open hole completion.

Safety

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the Encana daily completion reports in Well View. Wellsite supervisor is responsible to ensure that all utility one calls and ground disturbance forms are completed and on location for safety review. All JSA, Ground disturbance forms and Utility one call paper work is to be turned in to Rangely safety department at the completion of the job.

.

Regulations

All verbal notifications and approval from government regulatory agencies will be recorded on the Encana daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

Plug & Abandon Procedure

1. Contact the White River BLM and the COGCC 48 hours prior to operations. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
2. MIRU pulling unit.
3. ND wellhead, NU BOP.
4. Load hole.
5. TOH with tubing. Tally out.
6. TIH to 1051'.
7. Mix and pump 25 sacks (11 bbls.) cement from 1051'. This should be plenty of volume to cover the open hole and 50 in to the 4 1/2" production casing.
8. TOH w/ tubing standing back. WOC overnight.
9. TIH with tubing and hard tag TOC @ 1051' minimum. If TOC is below 1051' mix and pump cement to achieve the 1051' minimum.
10. TOH.
11. Pressure test casing to 300 psig. If casing passes proceed to next phase. If casing fails, pick up packer and isolate holes in the casing and cover with cement 50 feet below and above holes.
12. RU wireline and RIH w/ perf gun and shoot squeeze perfs @ 174'. 50 feet below the surface casing shoe @ 124'. ROH w/ perf gun and RD wireline.
13. TIH w/ tubing to 174'.
14. Mix and pump 30 sacks (6 bbls.) cement from 174' to surface in the 7' X 4 1/2" annular and the 4 1/2" production casing.
15. TOH w/ tubing laying down.
16. Cut off casing 4 ft below ground level and top off with cement as needed. Weld on information plate.
17. RDMO workover rig.

South Douglas Cr. 7305

SE/NW - Section 1 – T4S - R102W

Federal Lease: COC-03961

API: 05-103-05019

Rio Blanco County, Colorado

Lat: 39.731086 Long: -108.797031

Proposed wellbore
diagram.



