

McCallum #24 Plugging & Abandon - Final report
 1050 FNL 2230 FEL, NW/NE Sec 10 T9N R79W 6th PM
 Jackson County, CO
 API # 05-057- 05094
 July 16, 2009

ELEVATION: 8100' GL 8110' KB

SPUDDED: 7/23/61

TOTAL DEPTH: 6223' PBTD: 6175'

CASING: 8 5/8", 24#, J-55 ST&C @ 480'
 4 1/2", 9.5, 11.6#, J-55 ST&C @ 6221'

TUBING: 195 jts 2-3/8", 4.6#, 8rd EUE, J-55, Baker A-3 Lockset Packer @ 6058'

RODS: 36 3/4" rods run back into hole, hanging from the polish rod

FISH: Packer is stuck, last attempted to release 3/20/86, could not, changed pump and RTP

CASING PROBLEM: Possible holes 3500' (6/7/83)

PERFORATIONS: Lakota: 6110', 6120, 6140', Radial Tri-Jet

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2-3/8" 4.6# J-55	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 9.5# J-55	4,380	3,110	3.965"	0.0162	0.6825
11.6# K-55	5,350	4,960	3.875"	0.0155	0.6528
8 5/8", 24# J-55	2,950	1,370	7.972"	0.0636	2.6749
2 3/8" by 4 1/2" Annulus				0.0108	0.4524
				0.0101	0.4227
4 1/2" csg by 7 7/8" hole				0.0405	1.704
4 1/2" csg by 8 5/8" csg				0.0526	2.209

DISCUSSION

This procedure will cover the work to plug and abandon this well.

PROCEDURE

1. Perforate casing at 530 ft and establish circulation to surface.
2. TIH. Set CIBP at 6000', 100' above the perforations.
3. Pump 20 sx of cement down tubing onto plug, displace with 22.3 bbl of water to spot a 280' balanced plug on top of CIBP, Pull 10 jts and rev clean, POOH.
4. ADDED per BLM 7/17/2009. Spot 1000' plug across suspected holes at 3500'. Tag before proceeding with next step.
5. If circ was established in 1, pump 85 sx of cement down the tbg taking returns out of surface, SI surface and casing valves.
6. If circ not established in 1, set retainer at 540 ft and pump 85 sx of cement down tbg, SI surface and casing valves.
7. WOC 1 day. Check level of cement in casing and top off as necessary.
8. Cut casing 4' below ground level, weld plate onto casing with Operator name, Well name, Lease No. and location, GPS location and file with BLM, LSFO.
9. Reclaim location.

DAILY ACTIVITY

7/10/2009

Travel crew to location, MIRU, blow down tbg to vac truck. Lay down polish rod, pull and laid down 36 rods on trailer. SWI. Drove crew back to Platteville.

7/13/2009

Travel crew to location from Ft Lupton, check pressures, 80/80, blow down tbg/csg. Pull 40k to unland tbg hanger. NU BOP, rig up tongs, work tbg for 1 hr to release pkr, 15+ turns to the right, pull 30 stands, pkr started dragging, SWIFN and WO pump to arrive. Travel crew to Walden.

7/14/2009

Travel crew to location, check pressures, blow/0. Circ down tbg, up csg for 30 mins. Pull 70 stands, pulling wet. Circulate down tbg, up csg bringing back heavy mud. Circ down csg, up tbg and could not break circulation. Pull rest of string, full of heavy mud. Found 9 jts with holes. Laid down pkr with 2 tail jts below pkr. Pulled total of 195 jts. SWIFN, cleaned up and travel crew back to Walden.

7/15/2009

Travel crew to location, check pressure, 0/0. Trip in w/ NC, SN and 30 jts of new tbg from trailer. PU old tbg and ran 30 jts, broke circulation, 8 stands, broke circ, 7 stands, broke circ, 14 stands, broke circ, 5 stands, RIH, tag hard mud at 6145', circ hole for 1 hr. Still seeing muddy returns. POOH laying down, stand back 15 stands of new tbg. SWI and travel crew to Walden.

7/16/2009

Travel crew to location, check pressures, 0/0. PU TRBP and 19 jts, set plug at 600', load hole and test to 800 psi, dump 2 sx sand onto plug. RU J-W Wireline. RIH and shot 4 holes at 530', 50' below the surface shoe. Break circulation down casing and up surface, good returns. RIH and circ sand off plug, latch and retrieve plug. PU cement retainer and TIH w/ 189 jts of 2 3/8" tbg, set retainer at 6023.26. SWI and travel crew to Walden.

7/17/2009

Travel crew to location, RU Eastern Colorado Well Services pump and cmt truck, pumped 20 sx of Class C cement onto retainer, displaced with 22 bbl of water, POOH and laid down 52 jts, circ down csg and up tbg, laid down 12 more jts. EOT at 3999'. Pumped 70 sx balanced plug, displaced with 11.7 bbls. Suspected holes in csg at 3500', top of plug to be at 3000'. POOH and laid down 65 jts, circ tbg clean. SWI and travel crew to Walden.

7/18/2009

Travel crew to location, check pressure 0/0. PU 45 jts and RIH, tag cmt with 20' in on jt 105 @ 3359', not high enough. Pumped 30 sx plug at 3359' and displaced with 11.2 bbls, POOH 104 jts and stinger for retainer. ND BOP. SWI and travel crew to Ft Lupton.

7/20/2009

Travel crew to location from Ft Lupton. Check pressure 0/0. RIH and tag cmt with jt 96 in the hole @ 3094'. POOH laying down. NU to top flange and break circ down csg and up surface csg. Pumped 54 sx balanced plug down csg to isolate the surface shoe, displaced w/ 6 bbls. TOC should be at 380' and BOC should be at 530'. Surface shoe is at 480' KB. PU 4 1/2" spear and picked up csg to remove slips, stacked out on csg, release spear. SWI and travel crew to Walden.

7/21/2009

Travel crew to location. RIH with tbg inside csg, tag TOC @ 321'. PU 3/4" rods and RIH in 8 5/8 x 4 1/2 annulus, tagged TOC @ 438', lay down rods. PU 1 1/4" pipe and RIH to 455' and pumped 35 sx balanced plug in annulus to leave TOC @ 312', laid down 1 1/4" pipe and WOC. SWI and travel crew to Walden.

7/22/2009

Travel crew to location. RIH w/ 1 ¼" to tag TOC in annulus, found @ 282', laid down 1 ¼". Ran 64' of pipe into 4 ½" and filled to top with cement. Ran 65' of pipe into surface csg and filled to top with cement. Picked up location, RDMO ECWS. Travel crew to Platteville.

7/23/2009

Cut casing 4' below grade and weld on plate with following information:

Bonanza Creek Energy Operating Company, LLC

Lease No.C-01371

McCallum Unit #24

NESW Sec. 11, T9N, R79W

Wellhead location previously GPS'd

Operator	Well Name	API Number	Date	PDOP	Lat DMS	Long DMS
Bonanza Creek Energy	McCallum Unit 24	05-057-05094	09-19-06	1.7	N40°46'13.3"	W106°15'5.1"

7/29/2009

Location leveled and seed mix applied. Gravel removed from lease road.