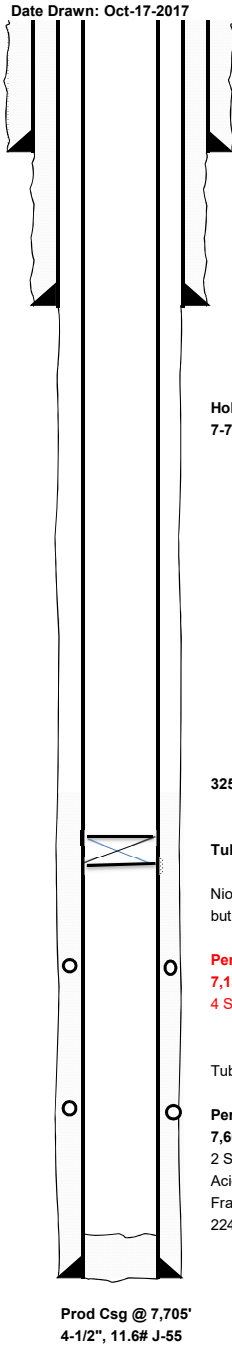
Well/Facility:	**Abrams 1-26**	**Well Status:**	**Existing**
Operator:	**Magpie Operating Inc**	**Formation:**	**Codell / J**
Lease/Op Agmt:		**Prod Interval:**	**7136-7160 7606-7620**
Field:	**Johnson's Corner**	**API #:**	**05-069-06290**
County:	**Larimer**	**GR/KB:**	**4,977' / 4,987'**
State:	**CO**	**TD:**	**7,700'**
Spud:	**2/11/1988**	**PBTD:**	**7,590'**
Comp. Date:	**5/24/1988**	**WI:**	**100.00000%**
1st Prod:	**5/24/1988**	**NRI:**	
Xmas tree:	**9-5/8" x 4 -1/2" x 2-3/8", 3,000 psi**		
Surface Loc:	**650 FSL & 650 FEL**		
Sec-Twn-Rge:	**SESE 26-5N-68W**		
Comments:	**Recomplete in Nio permitted but no record of perfing**		
	Need to safety prep for Johnson's Corner East Frac		
	Perforations in red are not reported to the state		
	No Annotated log showing any additional perfs.		

Date:	**History:**
11/1/1987	Perf Muddy J-Sand, 7526'-7553'
	Acidize w/ 500 gal 7.5% HCL
	Frac w/ 126,400 gals 2% X-link gel w/ 224,000# 20/40
	Set CIBP at 7420'
	Perf and frac Codell at later date 7056-7080'
	Bridge plug later pulled or drilled out, both formations
	producing
8/29/2009	**Casing was backed off at 3030' and re-ran new**
	casing and made back up.
	Workover Procedure:
1	MIRU, Nipple Up and Test BOP
2	RIH and latch onto fish at 443'. Work fish free and POOH.
3	RU wireline and make a gauge ring and junk basket run to
	6,750'
4	PU wireline set CIBP and set at 6,750'
5	Load the hole from the top and attempt to pressure test to 500
	psi. Isolate hole if pressure test fail
6	Squeeze hole found in #5 as listed to the right.
6	Run CBL to find cement top if not curculated to surface
6	POOH and perforate 2 SPF at 460'
7	Establish circulation. Max pressure 600 psi.
8	MIRU cement unit and pump a full load of cement around.
9	Underdisplace by 2 or 3 bbl.
	Shut down for 24 hours
10	Drill out cement with 3-7/8" step blade bit
11	Pressure test to 300 psi for 15 minutes
12	Change out wellhead with 5k wellhead.
13	TIH with tubing to hang off at least 200' above plug



Date Drawn: Oct-17-2017

Hole Size
17-1/2"

Conductor
xx' KB
xx size, weight, grade
xx TOC

Hole Size
13-3/4"

Surface Csg @ 227'
9-5/8", 36#
Cement to 8' GL 125 sx

Hole Size
7-7/8"

Annular Volume at 3045':
114 = Open Hole Volume Annular BBL
10 = Casing volume annular BBL
698 = Total volume in CF
665 = Total volume in Sx
25.9 = Total volume in CY
PROPOSED CEMENT JOB: Squeeze Holes at 3,045'
22 = CY
594 = CF
106 = BBL
566 = SX **1.05 CF/SX yield

325 sx cement TOC = 6,428' CBL

Tubing retrievable plug at 6739'

Niobrara recompletions permitted,
but no records of perfs found

Perfs - Codell
7,136-7,160'
4 SPF 96 Shots

Tubing: 2-3/8" set at 7590.3' (SN)

Perfs - Muddy J-Sand
7,606'-7,620'
2 SPF, 29 Shots
Acidize 500 gal 7.5% HCl
Frac 126,000 gal 2% KCl x-Link
224,000# 20/40

Prod Csg @ 7,705'
4-1/2", 11.6# J-55

Gologic Markers	
MD	
6,801	**Niobrara**
7,121	**Ft. Hays**
7,141	**Codell**
7,411	**Bentonite**
7,598	**J-Sand**

Tubing Detail			
	Length	**Top**	**Bottom**
		0	**0.00**
		0.00	**0.00**
		0.00	**0.00**
		0.00	**0.00**
		0.00	**0.00**
		0.00	**0.00**
		0.00	**0.00**

Rod Detail			
Length	**Description**	**Top**	**Bottom**
-		**0**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**
-		**0.00**	**0.00**

Pumping Unit:		**Gear Sheave:**	
API Designation:		**Stroke Length:**	
Samson Post SN:		**Gear Ratio:**	
Gear Box SN:		**SPM:**	
Structural Unbalance:		**Horse Power:**	
Power:		**Volts:**	
Power SN:		**Amps:**	
Sheave Size:		**Belts:**	