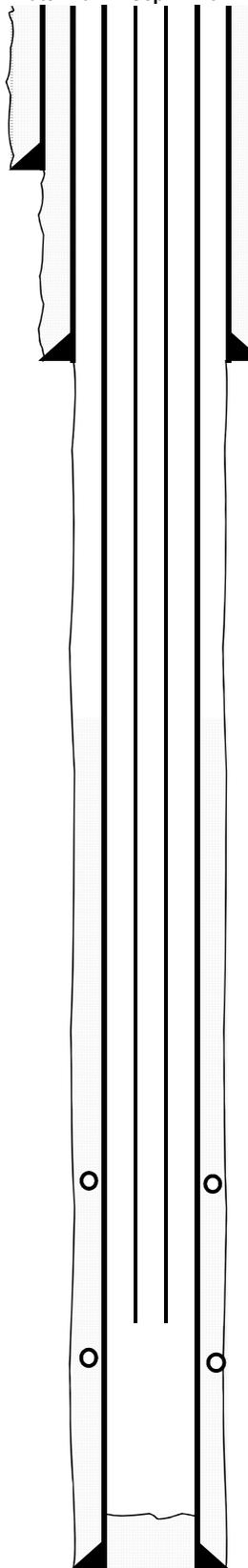


Well/Facility: Abrams 1-26 Well Status: Existing  
 Operator: Magpie Operating Inc Formation: Codell / J  
 Lease/Op Agmt: \_\_\_\_\_ Prod Interval: 7136-7160 7606-7620  
 Field: Johnson's Corner API #: 05-069-06290  
 County: Larimer GR/KB: 4,977' / 4,987'  
 State: CO TD: 7,700'  
 Spud: 2/11/1988 PBSD: 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 perfring  
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 Drawn: Sep-14-2017



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"

\*Casing patch appears to be in well  
May be around 900'

325 sx cement TOC = 6,428' CBL

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

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	Attempted to run casing patch, may be set around 900'. Casing was backed off at 3030' and casing pulled. re-ran casing. Old Nabors Patch with a pack-off... is in the hole... probably a Boen Type A external patch 78 joints down Workover Procedure: 1 MIRU, Nipple Up and Test BOP 2 Safety meeting. Unseat tubing and tag for PBSD. GENTLE!! Strap and Hydro Test out of the Hole... LD bad joints Hydrotest replacement joints as you pick up bad joints. 3 Bit and scraper run to 7,086' (50' above top perf) 4 Run CCL over Niobrara & Codell formation looking for perfs 5 PU tubing set / tbg retrievable plug and set <100' above top perforation. Load the hole & circulate 1.5 bottoms up 6 Pressure test casing & plug to 600 psi for 15 minutes 7 CBL from 1,000' to surface 8 DO NOT ATTEMPT TO TOP JOB THIS DUE TO THE CASING PATCH Perf 2 SPF at 475' - 477'. Establish circulation. Max pressure is 400psi at surface. Can go to 600psi if needed. 11 MIRU cement crew and circulate cement to surface Pump down 4-1/2 and follow with 4/1/2' wiper plug 13 Drill out wiper plug and cement w/ 3-7/8" step blade bit 14 CBL from 1,000' to surface 15 Hang tubing off 3 joints above the plug 16 RDMO

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
244 Jts of 2-3/8"	7590.30	0	7590.30
SN	0.00	7590.30	7590.30
		7590.30	7590.30
		7590.30	7590.30
		7590.30	7590.30
		7590.30	7590.30
		7590.30	7590.30

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
-		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: \_\_\_\_\_