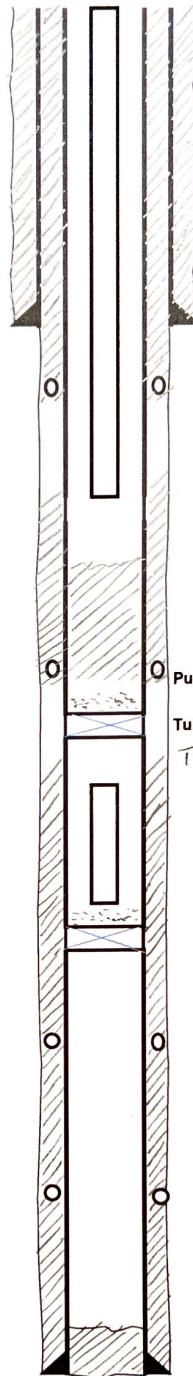


# CURRENT WELLBORE DIAGRAM

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: 100.000000%  
 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: Need to safety prep for Johnson's Corner East Frac

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
10/26/2017	Tubing set retrievable plug set at 6739'. Tubing parted when POOH. Fish tubing and find hole in casing at 3,019'
	Run packer to 3,019' and pressure test csg to 350 psi - GOOD
	Shot holes at 3075-3077'. Wireline cable parted on way out of hole. Attempted fishing wireline tools with no success. Left WL fish in hole, set another retrievable plug at 3498.6' with 2 sx sand. Test RBP to 500 psi under packer at 3182'- GOOD. Move packer to 2744'. Circulate out perfs and take returns out surface casing valve. Prepare to cement
	Pumped 457 sx of 14.6 80:20 poz out of holes at 3075-3077' taking returns out surface casing valve. Tag in csg at 2820'.
	Shot squeeze holes at 462-464' and pumped 290 sx of 14.6 ppg 80:20 poz taking returns out surface casing valve. Cement returned to surface.
	Drill cement from 241' to 474'. RIH and tag cement at 2820'
	Pressure test casing and squeeze from 2820' to 0' to 275 psi - GOOD

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



Hole Size  
 13-3/4"  
 Surface Csg @ 227'  
 9-5/8", 36#  
 Cement to 8' GL 125 sx

Squeeze guns shot at 462-464'  
 Pumped 67 bbls (290 sx) 14.6 ppg cement Cement returns to surface

2-3/8" Tubing landed at 2744'

Cement underdisplaced TOC in casing 2820' (tagged)  
 TOC in annulus 561' (calc)

Squeeze holes shot at 3075-3077'  
 Pumped 457 sx (106 bbls) of 14.6 ppg

Tubing retrievable plug at 3498.6' w/ 2 sx of sand  
 TOC @ 6,428 (CBL)

Top of fish somewhere below 6626'  
 Fish includes cable head, 5' weight bar, CCL,  
 2' perf carrier (perfs were shot)

Tubing retrievable plug at  
 6739' sand and fill on top

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  
 325 sx cement TOC = 6,428' CBL  
 Hole Size  
 7-7/8"

Tubing Detail			
	Length	Top	Bottom
2-3/8"	2743.00	0	2743.00
SN	1.00	2743.00	2744.00
		2744.00	2744.00
		2744.00	2744.00
		2744.00	2744.00
		2744.00	2744.00
		2744.00	2744.00