



**Pikes Peak Williams 4-30  
NW NW Sec 30, T13S, R55W  
BENTON COUNTY, COLORADO  
API No. 05-73-06478-00**

Prepared By: Harold Mayland  
Date: 6/7/2013

R.B.	5,155'
G.L.	5,143'
KB	12'
BHT	165'
Spud date:	09/15/12
Completion	

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Lat: 38.89285  
Long: 103.60563  
660' FNL 660' FWL

Niobrara	2320	Cherokee	6595
Dakota	3348	Atoka	6844
Stone Correl	4830	Morrow	7255
Wolfcamp	5026	Warsaw	7678
LKC	5920	Arbuckle	7756
Marmaton	6348		

Drilled hole 12 1/4"  
SURFACE CSG: 8 5/8" 24# J55 ST&C @ 328'  
Cmt: 130 sks Class G to surface

Drilled hole 7 7/8"

**Production Casing: 5 1/2" 17# N80 LT&C @ 7,835'**  
Cmt: Leed 358 sks TXI 12 ppg, 1.79 yield, tail 397 sks  
TXI 1.79 yield, full circulation thru out job.

5 1/2" 17# J55      2 7/8" J55 EU 8RD      2 7/8" X 5 1/2"

5 1/2" 17# J55      2 7/8" J55 EU 8RD      2 7/8" X 5 1/2"

<b>BBL/inft</b>	<b>0.0232</b>	<b>BBL/inft</b>	<b>0.00579</b>	<b>BBL/inft</b>	<b>0.0152</b>
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Tubing	Qty	Length	Depth in hole
<b>Avg Jt length 32.51</b>			
KB difference	10.00	10.00	10.00
2 7/8" EU 8RD J55 tbg	205	6,664.38	6,674.38
Seating Nipple		1.10	6,675.48
Packer 5 1/2" X 2 7/8" Crest 3		5.20	6,680.68
		1.10	6,681.78
			6,681.78
			6,681.78
			6,681.78
<b>Total Joints</b>			
<b>Rods</b>			
Polish rod 1 1/2" x 22'			
Pony rod			
Pony rod			
Pony rod			
Pony rod			
7/8" rods			
3/4" rods			
1" weight rods			
2 1/2" x 2 x 20' RWBC w/2.5' spray metal plunger			

10/03/12 Perforate 6794-6798'  
10/10/12 Acidize 6794-6798' w/400 gal 15% MCA  
Set CIBP @ 6780', perf 6723-6739'  
10/11/12 Acidize 6723-6739' w/1600 gal 15% MCA  
10/15/12 Acidize 6723-6739' w/1000 gal 15% MCA  
10/16/12 Set CIBP @ 6715', Perforate 6690-6697'  
10/17/12 Acidize 6690-6697' w/700 gal 15% MCA  
01/08/13 Drilled out CIBP's @ 6,712 & 6,780'  
04/02/13 Set CIBP @6716'  
04/03/13 Acidize 6690-6697' 4200 gal 15% HCL  
06/17/13 Set CIBP @ 6680', Perforate 6626-6632'  
06/18/13 Acidize 6626-32' w/600 gal 15% HCL  
06/19/13 Acidize 6626-32' w/600 gal 15% emulsified acid  
Flushed w/84 bbls KCL

Marmaton  
6626-6632'

Cherokee Excello  
6,690-6,697'

Cherokee Lower "A" V shale  
6,723-6,739'

Cherokee Tebo  
6,794-6,798'

CIBP @ 6,680'

CIBP @ 6,716'

Set CIBP

PBTD @ 7,738'  
Collar @ 7,743'

Shoe @ 7,836'  
TD 7,896'