



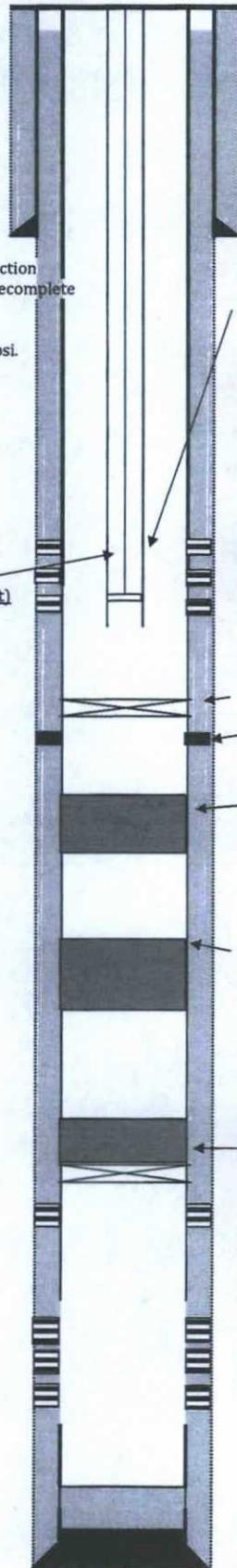
**GCU 93 FC**  
 Fruitland Coal  
 API # 30-045-07699  
 Unit E Sec. 36, T29N, R12W  
 San Juan County, New Mexico

**History**

Spud date Aug. 1961 as a Dakota only well  
 Well Repairs 2/1992 - Bradenhead repair  
 Well TXA 1997 - Temporarily abandoned Dakota  
 Well Serv. 2/2001- NOI C/O Dak., if not producing  
 plug back Dak & test FC  
 Well Serv. 4/2001 - Reopened the Dakota for production  
 Recomplete 2/2003 - Abandon Dak, Gallup & MV, Recomplete  
 to FC & leave PC open for rathole  
 5/14/10: Changed out pump.  
 1/13/11: Bradenhead re-test. BH pressure at 132 psi.  
 Blew down gas in 9 sec. 23 psi on Bradenhead  
 after 5 min shut-in.

OIL CONS. DIV DIST. 3

DEC 18 2015



5487' GR  
 TOC: Circulated 49 sx cmt.

12-1/4" Hole  
 8-5/8", 22.7# J-55 casing @ 357'  
 Cmt w/ 300 sks cement w/ 2% CaCl2

2-3/8" tubing set at 1371'

**Tubing Details (4/2003)**  
 TUBING HANGER 1  
 TUBING, 2.375, 4.7#, J-55, EUE T&C 42  
 NIPPLE, PROFILE, "F", 2.375 OD, 1.780 ID 1  
 MULE SHOE, 2.375 1

Joints	Length (ft)
1	
42	1346.1
1	0.93
1	18.12

**Fruitland Coal Perforations (2003)**  
 1108 - 1114' @ 4 jsf  
 1208 - 1212' @ 4 jsf  
 1320 - 1338' @ 4 jsf  
 Frac'd w/ 670 gals of 15% HCl followed by 50,000 #  
 16/30 Brady Sand w/ 50% N2 foam

**Rod Details (5/2010)**

	Joints	Length (ft)
ROD, POLISHED: 1.25	1	16
RODS, PONY: 0.75 GRD. D	1	6
RODS, PONY: 0.75 GRD. D	1	8
RODS: 0.75 X 25 GRD. D FSSMC	53	1325
PUMP, RHAC, 2.0 X 1.50" X 9	1	14

**Formation Tops**

Pictured Cliffs	1320'
Lewis Shale	1532'
Mesa Verde	2895'
Mancos	4108'
Gallup	5000'
Sanastie	5400'
Greenhorn	5755'
Graneros Shale	5820'
Dakota	5860'

CIBP set @ 1500' (new PBD)  
 DV Tool @ 1645'  
 (2003) - 2800' - 3000' cement plug  
 across the MV  
 (2003) - 4800' - 5000' cement plug  
 across the Gallup  
 (2003) 5600' - 5800' cement plug  
 across the Dakota  
 CIBP set @ 5800'

**Graneros Perforations (1961)**  
 5862' - 5870' @ 6 spf  
 Sand water frac'd w/ 20,600 gal water containing 1%  
 CaCl2 & 5 lbs J-98 per 1,000 gals & 20,000 lbs sand  
**Dakota Perforations (1961)**  
 5940' - 5946' @ 4 spf  
 5956' - 5960' @ 4 spf  
 5975' - 5977' @ 4 spf  
 Sand water frac'd w/ 41,200 gal water containing 1%  
 CaCl2 & 5 lbs J-98 per 1,000 gals & 40,000 lbs sand

7-7/8" hole  
 4 - 1/2" 9.5# J-55 casing @ 6058'  
 Cemented:  
 1st stage : 275 sks containing 6% gel w/ 1-1/2 lb Tuf plug  
 and 100 sks NEAT cement  
 2nd stage: 285 sks containing 6% gel  
 Did not circulate.

PBD: 6010'  
 TD: 6058'