



WELL NAME: K-Diamond Federal 21-21
FIELD: WILDCAT
PROJECT AREA: Sec 21-T6N-R92W
COUNTY/STATE: Moffat County, CO
RIG: _____

SPUD DATE: 7/6/2011 API# 05-081-07656-00
COMP DATE: _____ AFE# 2011054018
ID DATE: _____ WELL CODE _____

QRI WI _____ %
QRI NRI _____ %

KB: 16' GL: 6,326'

Conductor Casing: 20" casing set @ 40' & cemented

SURFACE CASING:

DEPTH: 1,217' SIZE: 9 5/8" WT: 36 lb/ft GRADE: J-55 BIT SIZE: 12 1/4"
CEMENT: Lead: 200 sks VeriCem (12.3 lb/gal, 2.24 ft^3/sk)
Tail: 195 sks VeriCem (13.5 lb/gal, 1.72 ft^3/sk)
Top out with 24 sks 1.2 yield 15.8 lb/gal

INTERMEDIATE CASING:

DEPTH: 5,186' SIZE: 7" WT: 26 lb/ft GRADE: N-80 BIT SIZE: 8 3/4"
STAGE 1 CEMENT: Lead: 215 sks EconoCem (12.2lb/gal, 2.22 ft^3/sk)
Tail: 70 sks ExtendaCem(14.2 lb/gal, 1.28 ft^3/sk)

STAGE 2 CEMENT: Lead: 120 sks EconoCem (12.2lb/gal, 2.22 ft^3/sk)
Tail: 70 sks ExtendaCem(14.2 lb/gal, 1.28 ft^3/sk)

DV TOOL: 1,909'-12'

PRODUCTION CASING:

DEPTH: 6,689' SIZE: 4 1/2" WT: 13.5 lb/ft GRADE: L-80 BIT SIZE: 6 1/8"
CEMENT: 220 sks LifeCem (13.5 lb.gal, 1.73 ft^3/sk) TOC Approx. 4,100' from CBL

DV TOOL: N/A

TUBING:

DEPTH: _____ SIZE: _____ WT: _____ GRADE: _____ Packer: _____

Pumping Unit _____

COMPLETION:

STAGE	PERFS SPF/SHOTS	HOLES	MAX RATE BPM	Frac Grad. (psi/ft)	Total Fluid Vol (gal)	20/40 White (lb)	20/40 CRC (lb)	Fluid Type
1	6,550'-65', 6,435'-45', 6,370'-80', 6,320'-30' (2 spf, 90 deg. 0.42" dia.)	90	50.1	0.73	64,596	21,500	46,200	X-Linked Oil
2	6,140'-50', 6,040'-55', 6,000'-15' (3 spf, 120 deg. 0.42" dia.)	120	52.6	0.65	77,448	77,500	36,750	X-Linked Oil
3	5,720'-30', 5,660'-70', 5,595'-605', 5,535'-45' (2 spf, 120 deg. 0.42" dia.)	80	54.4	0.65	80,262	45,760	85,060	X-Linked Oil
4	5,385'-95', 5,315'-25', 5,285'-95', 5,200'-10' (3 spf, 120 deg. 0.42" dia.)	120	51.1	0.63	83,706	88,000	18,000	X-Linked Oil
Totals					306,012	232,760	186,010	
Total Sand Volume						418,770		

TD: 6,689' PBTD: 6,640'