CDX GAS

Jicarilla Contract C #3

MV Recompletion - 2 stg

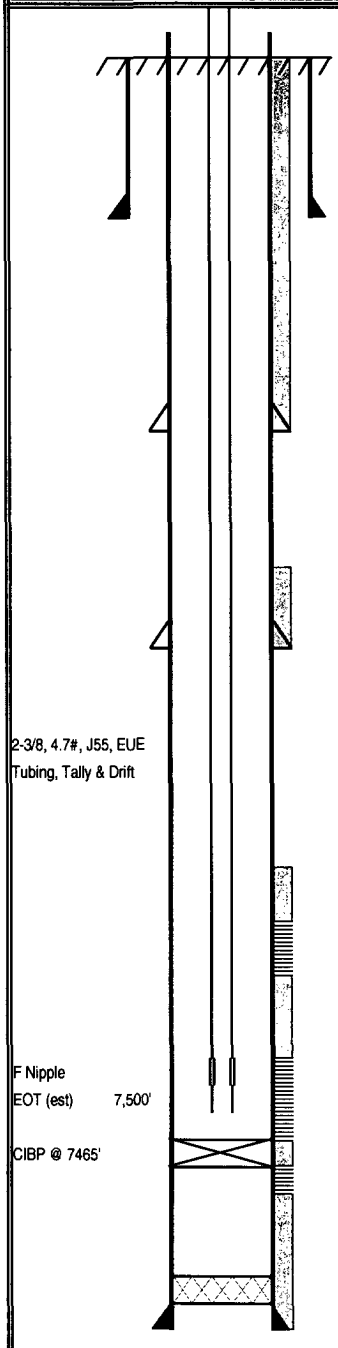
Sec 23, T26N-R5W

Status as of 12/9/2004

API # 30-039-08098 | Lic # NR

AFE # 4431 | AFE $ 272,620

WELLBORE SCHEMATIC Before Workover



SECTION COMMENTS

	Depth	
KB	6,590.0'	This work will entail rigging up on an existing Dakota Gallup well and fracture stimulating the Cliffhouse, Menefee, and Point Lookout in two stages. Two cement squeeze jobs are expected in order to isolate zones for fracturing.
THF	0.0'	
CF	0.0'	
Ground	6,578.0'	
Spud Date	6/11/66	
Surface Casing	330.0	8 5/8, 20 & 24#, J55 150 sx Cmt
Ojo Alamo		**Proposed operation** 1. Run GR/CBL/Nuetron log across Mesaverde.
		2. Cement squeeze as necessary.
		3. Set 5 ½" CIBP at 6682' (in good cement).
		4. Prepare well to frac down tubing
Fruitland		5. Perf and fluid frac Point Lookout and Lower Menefee.
Pictured Cliffs	3,097.0	6. Set 5 1/2" Frac plug at 5150'.
DV2 @	3,176.0	7. Perf and foam frac Cliffhouse and Upper Menefee.
		8. Flowback frac and allow well to log off.
		9. Drill out bridge plugs.
		10. Cleanout and test Mesaverde, Gallup, and Dakota.
TOC (est.)	**5,000.0**	11. Run tubing and place on production as a Mesaverde, Dakota, and Gallup producer. It is possible the Mesaverde will be tested on production for up to 6 months.
DV1 @	5,465.0	
Mesaverde	4,766.0	
TOC (CBL)	**6,725.0**	
Gallup	6,462.0	
	6,750.0 – 6,754.0	
	6,758.0 – 6,762.0	
	6,772.0 – 6,776.0	60K lbs sand, 60K gal water
	7,288.0 – 7,291.0	
	7,301.0 – 7,303.0	
DK Perfs	7,403.0 – 7,407.0	55K lbs sand, 75K gal water
	7,410.0 – 7,415.0	
	7,442.0 – 7,449.0	
	7,493.0 – 7,497.0	60K lbs sand, 85K gal water
	7,501.0 – 7,504.0	
Morrison		
PBTD	7,465.0	
TD	7,600.0	
Production Casing	7,580.0	5 ½, 14 & 15.5 1st - 335 sx(TOC~6520), 2nd - 90 sx, 3rd - 300 sx (surf)

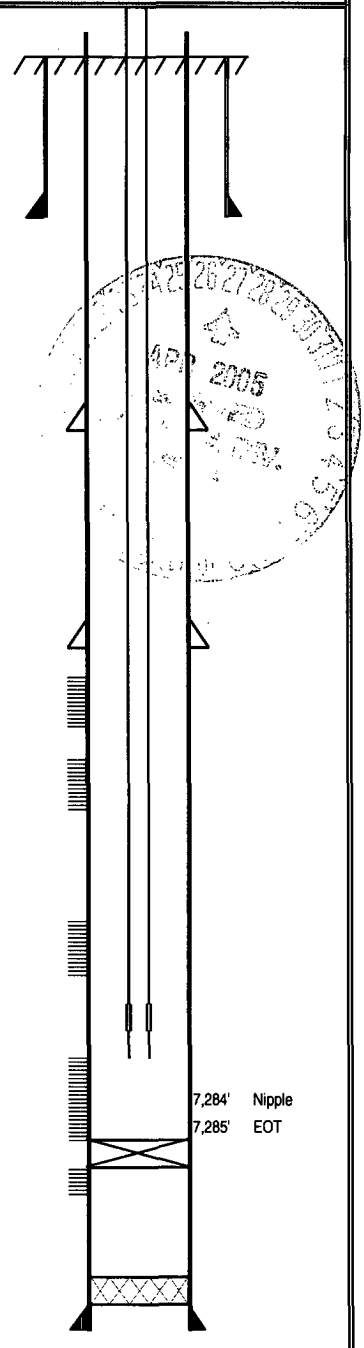
Proposed:

2 X 150 sx cement squeeze

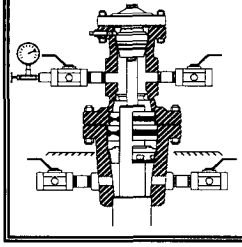
Cliffhouse & Menefee:
4767-5102 25 shots
Frac stage 2: 60,000 lb prop, x-linked-60Q foam

Point Lookout:
5278-5384 25 shots
Frac stage 1: 60,000 lb prop, 20 lb x-linked

PROPOSED WELLBORE SCHEMATIC After Workover



Wellhead Data



Bonnet

Tubing Spool

Casing Flange

Primary Contractors		Phone
Rig		
Log / Perf		
OCTG		
Wellhead		
Testers		
Water Tr		

Tubing Detail (Estimated, no records)		Length	Depth
No	KB to THF (Estimated)		