

APPLICATION FOR MULTIPLE COMPLETION

Tenneco Oil Company San Juan January 16, 1985  
Operator County Date  
P. O. Box 3249, Englewood, CO 80155 Florance 2A  
Address Lease Well No.  
P 20 30N 9W  
Location Unit Section Township Range  
of Well

RECEIVED  
JAN 21 1985  
OIL CON. DIV.  
DIST. 3

All Applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Undes. Fruitland Coal Fruitland Coal		Blanco Mesa Verde Mesa Verde
b. Top and Bottom of Pay Section (Perforations)	2440' - 2610 KB		43C7-5049' KB
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	784 MCF		500 MCF

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Scott McKinney Title Sr. Regulatory Analyst Date January 16, 1985

(This space for State Use)

Approved Original Signed by FRANK I. CHAVEZ Title SUPERVISOR DISTRICT # 3 Date JAN 21 1985

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

LEASE Florance

WELL NO. 2A

9-5/8 "OD, 36 LB, K-55 CSG.W/ 200 SX

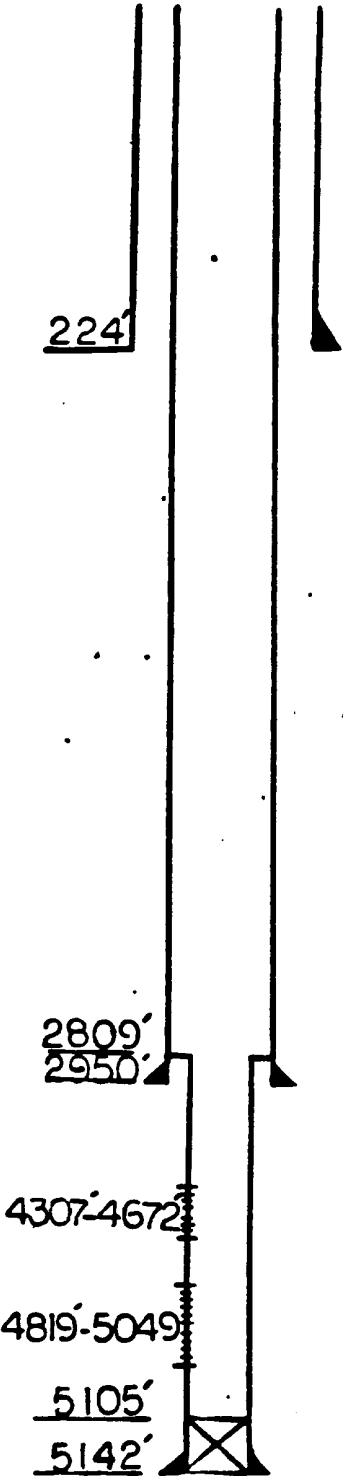
TOC @ Surface

7 "OD, 26 LB, N-80 CSG.W/ 460 SX

TOC @ Good circ during job

4-1/2 "OD, 10.5 LB, K-55 CSG.W/ 240 SX

TOC @ 2809'



DETAILED PROCEDURE:

1. MIRUSU. Kill Mesaverde w/ 1% KCl wat. Remove WH and instll BOP. RIH w/ tbg & tag PBTD.
2. CO w/ foam if necessary.
3. RIH on WL w/ a 7" Model "D" w/ EXP plug in place. Set pkr @ 2800' and dump 1 sx sand on pkr.
4. Load hole w/ 1% KCl water and PT csg and pkr to 3000 psi.
5. Run Gamma Ray-Neutron & CBL log from 2800' to 224'. (Telecopy results to Denver.)
6. Replace single WH w/ dual WH.
7. Perforate Fruitland Coal as per Geological Engineering recommendation using 2 JSPF in 4" hollow carrier casing guns w/ premium charges.

Approximately 37' of coal is anticipated.

8. RIH w/ 7" pkr and SN on tbg and set pkr  $\pm$  75' above top perforation. Load Annulus and PT pkr to 1500 psi.
9. Establish inj rate w/ 1% KCl water into perfs.
10. Acidize w/ 20 gals wgt'd 15% HCl per perforation containing 50% excess ball sealers. FTCU. Swab in if necessary and flow test. Release pkr. RIH past perfs & POOH w/ pkr & tbg.
11. Foam frac Fruitland Coal dn csg using 70% quality foamed 1% KCl wtr. Rate: 20 BPM w/max stp 3000 psig.

Treat as follows:

Foam Vol	Prop Conc	Cum Prop
12,000 gal	PAD	0
8,000 gal	.5	4,000
10,000 gal	1	14,000
12,000 gal	2	38,000
16,000 gal	3	86,000

JOB TOTALS: 58,000 gal 70% quality foam and 86,000 #20/40 sand.

12. SI for 2 hours. FTCU through a 1/2" tapped bull plug.
13. RIH w/ 2-3/8" long string w/ seal assembly, blast jts, SN & pump through expendible check.
14. CO to Model "D" w/ foam and knock out exp plug in pkr.
15. Land tbg @  $\pm$  5050'.

LEASE FloranceWELL NO. 2A9-5/8 "OD, 36 LB, K-55 CSG.W/ 200 SX

TOC @ Surface

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TOC @ Good circ during job

4-1/2 "OD, 10.5 LB, K-55 CSG.W/ 240 SX

TOC @ 2809'

DETAILED PROCEDURE (CONTINUED):

16. RIH w/ short string of 2-3/8" tbg w/ SN 4' perforated, orange peeled sub and pump out plug.
17. Land short string @  $\pm$  bottom Fruitland Coal perf.
18. NDBOPE and NUWH.
19. Drop ball and pump out long string expendible check. Return MV to prod. Swab if necessary.
20. Pump out short string plug, kick around w/ N<sub>2</sub>.
21. Flow Fruitland Coal to clean up. SI for AOF.

