

IVY LEAGUE FEE #1
WILDCAT FIELD
CHAVES COUNTY, NEW MEXICO

PLUG AND ABANDONMENT PROCEDURE

AFE #5069 = \$580M
Cum Cost = \$558M
Cost This Proc. = \$23M
Csg & Tbg Savings = \$43M
Mobil W. I. = 100%

GENERAL

The Ellenburger and Montoya Formations tested "wet" in this well. The Ellenburger was swabbing 0 BNO + 161 BFW in 8 hrs and was squeezed. The well was then completed in the Montoya. The Montoya is swabbing 0 BNO + 153 BFW in 8 hrs. There are no other recompletion possibilities in the well bore. This procedure is to plug and abandon the well. The Procedure was verbally approved by Mr. Williams w/ New Mexico O. C. D. in Artesia N. Mexico on 2/3/86. Phone 505-748-1283. Contact N. Mexico OCD prior to start of P & A.

PROCEDURE

- 1) POH w/ packer.
- 2) RIH w/ 5-1/2" 15.5# cement retainer on 2-7/8" tbg. Set retainer at 5475'.
- 3) Cement squeeze Montoya perfs 5503'-5560' OA 31 holes down 2-7/8" tbg w/ 100 sx Class C + 0.4% Halad 9 + 100 sx Class C neat. Obtain 2000 psi sqz. Pull out of retainer and cap w/ 10' of cement.
- 4) Circulate hole to 9.5# mud laden fluid. POH w/ setting tool laying down all but 5000' of tbg. ND BOP on 5-1/2" csg, NU BOP on 9-5/8" csg. Weld on 5-1/2" 15.5 Stub on 5-1/2" csg.
- 5) RIH w/ chemical cutter for 5-1/2" 15.5# csg on wireline. Cut off 5-1/2" casing at 4950'.
- 6) Circulate hole to 9.5# mud laden fluid.
- 7) POH and lay down 5-1/2" csg.
- 8) RIH w/ 2-7/8" tbg open ended to 5000'.
- 9) Set a ~~25~~⁷⁵ sx Class C neat cement plug from 5000' - \pm 4900'.
- 10) Pull up to \pm 4800' and wait 4 hours.
- 11) RIH and tag cmt at 4900'. Respot plug if necessary.
- 12) Pull end of tbg to 4200'. Spot 25 sx Class C neat cement plug across HUECO Formation from 4200' - \pm 4100'.

- 13) Pull end of tbg to 2975'. Spot 25 sx Class C neat cement plug across Drinkard Formation from 2975' - \pm 2875'.
- 14) Pull end of tbg to 1830'. Spot 25 sx Class C neat cement plug across Yeso Formation from 1830' - \pm 1730'.
- 15) Pull end of tbg to 1450'. Spot ~~25~~³⁰ sx Class C neat cement plug across 9-5/8" shoe from 1450' - \pm 1350'. Pull up and wait 4 hrs. RIH and tag cmt at 1350'. If necessary spot additional cmt plug.
- 16) Pull end of tbg to 565'. Spot 25 sx Class C neat cement plug across 13-3/8" shoe from 565' - \pm 465'.
- 17) Pull end of tbg to surface. Spot 10 sx Class C neat cement plug at surface.
- 18) Cut off 13-3/8" and 9-5/8" csg heads.
- 19) Install P & A marker. P & A Marker should consist of a 4" joint of pipe set 4' above ground level containing the following information welded on the pipe:

Mobil Producing Texas & N. M. Inc.

Ivy League Fee Well #1

990 FEL, 1980 FSL, Sec 9, Twp 14S, Rge 24E Chaves County, Date

- 20) Fill out N. M. OCD Form 103 and submit to OCD in Artesia and Nancy Lewis w/Mobil in Houston.

M. R. Chambers

2/3/86

J. G. Johnson 2/4/86

cc: J. A. Johnson
T. R. McGinley
B. D. Garvin (2)
A. J. Alcott
G. P. Dalton
L. D. Hobbs
D. M. Foster
R. I. Wilson
J. M. Mitchell
M. R. Chambers

for J. A. Johnson

2/4/86

L. D. Hobbs, Operations Engineering Manager

B. D. Garvin

2-4-86

B. D. Garvin, Drilling Superintendent

R. I. Wilson, Exploration Manager

G. P. Dalton, Operations Manager

CONFIDENTIAL
IVY LEAGUE FEE # 1
WILDCAT FIELD
CHAVES COUNTY, N.M.

PROPOSED

GL 3721
KB 14

SPUD 12/17/85
REL RIG 1/19/86

