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CONDITIONS OF APPROVAL, IF ANY

# State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

OIL CONSERVATION DIVISION **DISTRICT I** WELL API NO. P.O. Box 1980, Hobbs, NM P.O.Box 2088 30-045-24825 Santa Fe. New Mexico 87504-2088 **DISTRICT II** 5. Indicate Type of Lease P.O. Drawer DD, Artesia, NM 88210 FEE 🗵 STATE **DISTRICT III** 6. State Oil & Gas Lease No. 1000 Rio Brazos Rd., Aztec, NM SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) Keys Gas Com A 1. Type of Well: OIL WELL OTHER 8. Well No. 2. Name of Operator Attention: Melissa Velasco- Price 2 AMOCO PRODUCTION COMPANY 9. Pool name or Wildcat Basin Fruitland Coal 77253 P.O. Box 3092 TX Houston 4. Well Location WEST 1770 1660 NORTH Feet From The Line Feet From The Line and Unit Letter San Juan 10W County 32N **NMPM** Section Township Rang 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5959' Check Appropriate Box to Indicate Nature of Notice Report or Other Data 11. SUBSEQUENT REPORT OF: **NOTICE OF INTENTION TO:** X ALTERING CASING PLUG AND ABANDON REMEDIAL WORK PERFORM REMEDIAL WORK PLUG AND ABANDONMENT COMMENCE DRILLING OPNS. **TEMPORARILY ABANDON CHANGE PLANS** CASING TEST AND CEMENT JOB **PULL OR ALTER CASING** OTHER: OTHER: 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed Amoco Production Company request permission to Plug and Abandon the subject well per the attached work procedure. I hereby certify that the information above is true and complete to the best of my knowledge and belief. 06-05-2000 Permitting Assistant 281-366-2548 TELEPHONE NO. Melissa Velasco-Price TYPE OR PRINT NAME (This space for State Use) PEPUTY OIL & DAY INSPECTOR DIST, 48 JUN - 9 2000 TITLE APPROVED BY -

# Keys GC A #2 P&A Procedure

## According to Farmington files a gas tap is present on the well.

- Notify regulatory agencies (BLM, NMOCD, FIMO) 24 hours in advance of plugging activity. <u>Contact BLM and indicate well is allotted</u> (FIMO regulations effective April 1, 1997).
- 2. Check location for anchors. Install if necessary. Test anchors.
- 3. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH. NUBOP.
- 4. TOH with 2 3/8" tubing. Rig up wireline, TIH, run short string CBL to confirm cement top behind 4 ½" casing string. If cement top is below 2,000', pull 4 ½" casing according to step 5 through 9. If cement top is above 2,000', proceed to step 10 below.
- 5. Set wireline CIBP at 7,300'.
- 6. Back off 4 ½" casing at free point and TOH. <u>Do not back</u> off 4 ½" casing below 7" intermediate casing.
- 7. TIH with tubing and spot 100' plug (11 sacks) on top of CIBP set at 7,300'.
- 8. Spot cement plugs across the following intervals while TOH:

Formation Gallup Cliff House Casing Stub	Formation Top 6,445' 4,313' Unknown	Cement Plug Depth 6,495' to 6,395' 4,363' to 4,263' 75' inside and outside stub (150' total)
Picture Cliffs	2,773′	2,823' to 2,723'
Fruitland	2,312′	2,362' to 2,262'
Kirtland and Ojo Alamo	1,117′ and 872′	1,167' to 822'

- 9. TOH to 350'. Spot 350' cement plug to surface, covering surface casing shoe.
- 10. TIH with tubing and CIBP, set CIBP at 7,300'. Spot 100' cement plug on CIBP (11 sacks). TOH and spot 100' internal cement plugs across the following:

Formation Gallup Cliff House Picture Cliffs	Formation Top 6,445' 4,313' 2,773'	Cement Plug Depth 6,495' to 6,395' 4,363' to 4,263' 2,823' to 2,723' 2,362' to 2,262'
Fruitland	2,312′	2,362' to 2,262'

- 11. If the CBL determines <u>cement is higher than 2,000', but does not cover the Kirtland,</u> perforate 50' below Kirtland's 1,117' formation top and circulate cement to surface. Spot cement plug from 1,167' to 822' to cover inside the Kirtland and Ojo Alamo.
- 12. TOH to 350', spot 350' cement plug to surface (39 sacks), covering surface casing shoe.
- 13. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
- 14. Contact FMC and ship surface equipment to yard or other location per instructions.
- 15. Provide workorder to Buddy Shaw for reclamation.
- 16. Rehabilitate location according to BLM or State requirements.

Keys GC A 2 Original Completion 10/81 TD = 7,461' PBTD = 7,453' Page 2 of 3

#### Keys GC A 2

### F27 T32N-R10W, 1660' FNL, 1770' FWL API 3004524825 Fee Lease

# Proposed PXA Wellbore Schematic #2

Cement top above 2,000'

Spot cement plug 350' to surface (39 sacks)

Ojo Alamo: 872' Kirtland Shale: 1,117'

Fruitland: 2,312'
Picture Cliffs: 2,773'

Lewis Shale: 2,800'

Cliff House: 4,313'
Menefee: 4,717'

Point Lookout: 5,046' Mancos Shale: 5,400'

Gallup: 6,445'

Dakota: 7,294'

PBTD: 7,453'

TD: 7,461'

9 5/8" 32.3# H-40 Surface Casing Set at 299' Top of cement - surface

Perforate 50' below Kirtland top Circ cement to surface Spot cement plug 1,167' to 822' (38 sacks)

Spot cement plugs: 2,823' to 2,723' (11 sacks) 2,362' to 2,262' (11 sacks)

7" 23# K-55 Intermediate Casing Set at 3,162' Top of cement - surface

Spot cement plug 4,363' to 4,263' (11 sacks)

2 3/8" tubing set at 7,412'

Spot cement plug 6,495' to 6,395' (11 sacks)

Spot cement plug 7,300' to 7,200' (11 sacks) Set CIBP at 7,300'

Dakota perforations: 7,348' to 7,409'

4 1/2" 11.6# N-80 Production Casing Set at 7,461' (630 sacks) Top of cement - unknown