

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES 910 State Office Building Portland, OR 97201

MISCELLANEOUS APPLICATION

(In compliance with rules and regulations pursuant to ORS 520)

ARCO CC 42-9-65 (Company or operator) (Lease) (Well No.) Sec. 9, T. 6N, R. 5W M.B.&M. Surveyed Coordinates: Wildcat: (or) Field Name: MIST County: COLUMBIA Date: 11-2-87 Person: Position:

This application becomes a permit when signed and dated by DOGAMI in the box below. Telcon: Clushead/K.Park: Proposed redrilling well into 250' set-back of sec. 10. 10-31-87 will send in agreement with County and ONDP. The present condition of the well, including complete casing record, is as follows:

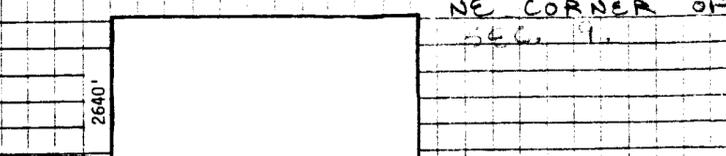
8 1/2" casing to 470'. TD: 2850'. Directional to NW

Following is a detailed account of proposed work:

Plug back to shoe; redrill from 550' to the NW @ N 34° W. New Bottom Hole loc. 50' W of section line.

ARCO will submit agreement to be approved by DOGAMI before production will be permitted.

PROP. BOTTOM HOLE LOC. -



DOGAMI Approved By Form 2a (10/84)

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STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES 910 State Office Building Portland, OR 97201

MISCELLANEOUS APPLICATION

(In compliance with rules and regulations pursuant to ORS 520)

Atlantic Richfield Company Columbia County #41-9-65 (Company or operator) (Lease) (Well No.) Sec. 9, T. 6N, R. 5W M.B.&M. Surveyed Coordinates: BHL: 200' W & 950' S of NE Corner Wildcat: Yes (or) Field Name: Mist County: Columbia Date: June 3, 1987 Signature: Kwang U. Park Kwang U. Park Position: District Drilling Superintendent

Use this form for applications to redrill, deepen, rework, abandon, or any other proposed procedure on an existing well. This form must be submitted unless verbal approval has been given. This application becomes a permit when signed and dated by DOGAMI in the box below.

The present condition of the well, including complete casing record, is as follows: CC #11-10 was plugged and abandoned as a dry hole by Reichold Energy Corporation on September, 1984. TD: 3215' Plugs: 2975' - 2751' with 52 sx Class G cement 495' - 330' with 60 sx Class G cement 10' cement plug at surface Casing: 8-5/8" 24# K-55 STC 0' - 440'

Following is a detailed account of proposed work: CC #41-9-65 is planned as a directional well from the existing location of CC #11-10, using the existing 8-5/8" surface casing string. We plan to weld a riser spool on the 8-5/8", nipple up and test BOPES, test the casing, drill out the plugs, and kick off at a depth of approximately 475' toward the directional target.

ARCO Oil and Gas Company Company/Operator Div. of Atlantic Richfield Company Signature Kwang U. Park Kwang U. Park Position District Drilling Superintendent Date June 03, 1987 SEND WELL COMMUNICATION TO: Name Kwang U. Park Address P. O. Box 147 Bakersfield, CA 93302 Phone (805) 321-4060

DOGAMI Approved, 19 By Form 2 (12/85)

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MISCELLANEOUS APPLICATION

(In compliance with rules and regulations pursuant to ORS 520)

Atlantic Richfield Company Columbia County #42-9-65 (Company or operator) (Lease) (Well No.) Sec. 9, T. 6N, R. 5W M.B.&M. Surveyed Coordinates: SHL: 2275.3' S & 101.3' E of NE corner BHL: 1797' S & 620' W of NE corner Wildcat: XX (or) Field Name: Mist Gas Field County: Columbia Date: August 25, 1987 Signature: Kwang U. Park Kwang U. Park Position: District Drilling Superintendent

Use this form for applications to redrill, deepen, rework, abandon, or any other proposed procedure on an existing well. This form must be submitted unless verbal approval has been given. This application becomes a permit when signed and dated by DOGAMI in the box below.

The present condition of the well, including complete casing record, is as follows:

Following is a detailed account of proposed work:

- 1. Change permitted location from CC #32-9-65 to CC #42-9-65. 2. Drilling information as per attached revised Application for Permit to Drill (reference O & G Permit #383). 3. CC #42-9-65 will be directionally drilled due to the rugged topography in the area.

ARCO Oil and Gas Company Company/Operator Div. of Atlantic Richfield Co. Signature Kwang U. Park Kwang U. Park Position District Drilling Superintendent Date August 25, 1987 SEND WELL COMMUNICATION TO: Name Kwang U. Park Address P. O. Box 147 Bakersfield, CA 93302 Phone 805-321-4060

DOGAMI Approved, 1987 By Dennis J. Clushead Form 2 (12/85)

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES 910 State Office Building Portland, OR 97201

MISCELLANEOUS APPLICATION

(In compliance with rules and regulations pursuant to ORS 520)

ARCO Oil and Gas Company Columbia County 41-9-65 (Company or operator) (Lease) (Well No.) Sec. 9, T. 6N, R. 5W M.B.&M. Surveyed Coordinates: SHL: 427'S, 497'E from NW corner Sec. 10, T6N, R5W BHL (at Top of Clark + Wilson Sand): 470'S and 240' W from NE corner sec. 9, T6N, R5W Wildcat: Yes (or) Field Name: Mist Gas Field County: Columbia Date: 4/24/87 Signature: District Drilling Superintendent Position: District Drilling Superintendent

Use this form for applications to redrill, deepen, rework, abandon, or any other proposed procedure on an existing well. This form must be submitted unless verbal approval has been given. This application becomes a permit when signed and dated by DOGAMI in the box below.

The present condition of the well, including complete casing record, is as follows:

N/A



Following is a detailed account of proposed work:

- 1.) Change permitted location from CC32-9-65 to CC 41-9-65. 2.) Technical information as per attached permit. 3.) Well will be directionally drilled.

ARCO Oil and Gas Company Company/Operator Signature K.U. Park for K.U. Park Position District Drilling Superintendent Date 4/24/87 SEND WELL COMMUNICATION TO: Name K.U. Park Address P.O. Box 147 Bakersfield, CA 93302 Phone 805-321-4060

DOGAMI Approved, 19 By Form 2 (12/85)