



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

October 7, 1996

RECEIVED
OCT 11 1996
OIL CON. DIV.
DIST. 3

**Amoco Production Company
Southern Rookies Business Unit
P.O. Box 800
Denver, Colorado 80201
Attention: Pamela W. Staley**

Administrative Order NSL-3714

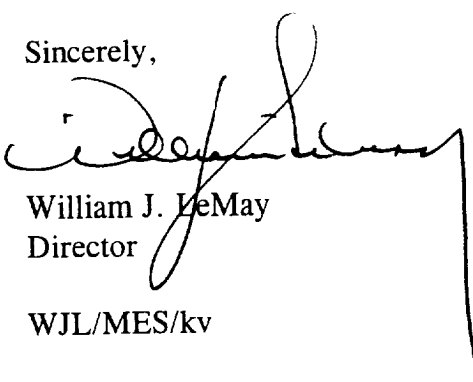
Dear Ms. Staley:

Reference is made to your application dated August 9, 1996 for a non-standard gas well location to test the Ute Dome-Dakota Pool for your proposed Ute Indians "A" Well No. 25 to be drilled 930 feet from the South line and 260 feet from the West line (Unit M) of Section 2, Township 31 North, Range 14 West, NMPM, San Juan County, New Mexico. The SW/4 of said Section 2 shall be dedicated to the well forming a standard 160-acre gas spacing and proration unit for said pool.

The application has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996.

By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox gas well location is hereby approved.

Sincerely,


William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Durango, Colorado



Southern

Rockies

Business

Unit

August 9, 1996

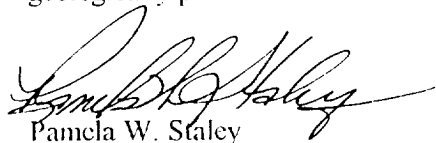
Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

Application For Unorthodox Location
Ute Indians Well A#25
930' FSL, 260' FWL, Unit M Section 2-T31N-R14W
Ute Dome Dakota Pool
San Juan County, New Mexico

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Amoco Production Company hereby requests administrative approval for an unorthodox well location for the Ute Indians Well A#25 well to be drilled in the Ute Dome Dakota Pool. The spacing unit for this well is the southwest quarter of Section 2. This well is to be drilled at an unorthodox location for the Dakota as it is closer to the west line than the required 790 foot setback. The unorthodox location is being sought for geologic reasons. Attachment 1 is a topographic map showing the proposed location and the topography at that location. Attachment 2 is a seismic map showing the Dakota structure. Geologically, a move further to the east would risk crossing the fault into a structurally lower position thus increasing the risk of producing water in the Basal Dakota sand. The optimal location would be to stay high on the structure in the yellow area positioned equally between the fault shown in blue to the north and the smaller brown fault to the south.

Amoco is the operator of all the offsetting quarter sections so no notice is required. A copy of this application will be submitted to the BLM and the Ute Mountain Ute Tribe. Attached is a plat of the subject spacing unit, a topographic map of the surface conditions and a 3-D seismic map showing the geologically preferred location. Should you have questions, do not hesitate to call me at (303) 830-5344.


Pamela W. Staley

Attachments

cc: Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Mark Yamasaki, Amoco
Patty Haefele, Amoco

Mr. Jim Lovato
Minerals Staff Chief
701 Camino Del Rio
Durango, Colorado 81301

Mr. Craig Canfield, Director
Tribal Energy and Tax Administration
Ute Mountain Ute Tribe
P.O. Box 42
Towaoc, CO 81334

APPLICATION FOR APPROVAL OF UNORTHODOX LOCATION UNDER RULE 104-F

Ute Indians Well A#25
930' FSL, 260' FWL, Unit M Section 2-T31N-R14W
Ute Dome Dakota Pool
San Juan County, New Mexico

ATTACHMENTS:

- TOPOGRAPHIC MAP SHOWING LOCATION OF ALL OFFSET WELLS
- FORM C-102 FOR DAKOTA FORMATION
- SEISMIC MAP SHOWING DAKOTA STRUCTURE AND FAULTING OF UTE DOME
- OFFSET OPERATORS PLAT

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Kila Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 86720		3 Pool Name UTE DOME DAKOTA	
4 Property Code 1183		5 Property Name UTE INDIANS A			6 Well Number # 25
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 5928

10 Surface Location

UL or lot no. M	Section 2	Township 31 N	Range 14 W	Lot Idn	Feet from the 930	North/South line SOUTH	Feet from the 260	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Patty Haeefe</i> Signature Patty Haeefe Printed Name Staff Assistant Title 8/7/96 Date</p>	
				<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>August 1, 1996 Date of Survey Signature and Seal of Professional Surveyor: </p>	

This topographic map depicts the Ute Dome Field area, characterized by dense contour lines indicating elevation. The map is divided into several seismic zones, labeled as 3-D Seismic Area, UTE DOME FIELD, and 3-D Seismic Area. Key features include:

- Geographical Features:** Blue Lake, Little Blue Lake, and the Ute River are visible. The map also shows various canyons and trails.
- Wells and Seismic Stations:** Numerous wells and seismic stations are marked with circles and labels, including A-1 through A-25, J-1 through J-5, D-1 through D-7, K-1, and M-1. Some wells are labeled as "Gas Well" or "Oil Well".
- Infrastructure:** A pipeline labeled "34 PIPELINE" and a road labeled "35 ROAD" are shown.
- Topography:** Contour lines range from 5000 to 6500 feet, with a prominent peak labeled "6518".
- Annotations:** The map includes various labels for "UTE MOUNTAIN", "UTE TRAIL", and "UTE DOME FIELD". A large arrow points to a specific location near well A-25.

This topographic map depicts the Ute Dome Field area, characterized by dense contour lines indicating elevation. The map is divided into several seismic zones, labeled as 3-D Seismic Area, UTE DOME FIELD, and 3-D Seismic Area. Key features include:

- Geographical Features:** Blue Lake, Little Blue Lake, and the Ute River are visible. The map also shows various canyons and trails.
- Wells and Drilling Sites:** Numerous wells are marked with circles and labels, including A-1 through A-25, J-1 through J-5, D-1 through D-7, and K-1. Some wells are labeled as "Gas Well" or "Oil Well".
- Infrastructure:** A pipeline labeled "34 PIPELINE" runs through the area. A road labeled "P&R Ute #1" is also shown.
- Topographic Details:** Contour lines range from 5000 to 6500 feet. The map includes a grid system with letters A through K and numbers 1 through 5.
- Annotations:** A large arrow points to well A-25. Other labels include "UTE MOUNTAIN", "UTE TRAIL", and "UTE MOUNTAIN".

This topographic map illustrates the Ute Dome Field area, highlighting seismic zones and well locations. The map is oriented with North at the top. Key features include:

- Seismic Zones:**
 - 3-D Seismic Area:** Located in the upper left and lower right corners of the map.
 - UTE DOME FIELD:** The central area, labeled as a Mountain Ute Indian Reservation.
- Geographic Features:**
 - Blue Lake:** Located in the upper left.
 - Little Blue Lake:** Located in the upper left.
 - Trail Canyon:** A prominent canyon running through the center of the field.
 - ATEC Canyon:** Located in the lower right.
 - ATEC Trail:** A trail running through the lower right.
- Well Locations:** Numerous wells are marked with circles and labeled:
 - A-1 through A-25:** A series of wells, with A-25 specifically highlighted by a large black arrow.
 - J-1 through J-5:** A series of wells located in the upper right.
 - D-1 through D-7:** A series of wells located in the lower right.
 - K-1:** A well located in the lower left.
 - M-1:** A well located in the center-right.
 - P&R Ute #1:** A well located in the upper center.
 - CG A-1:** A well located in the center.
- Topographic Details:**
 - Contour Lines:** Representing elevation, with labels such as 5000, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600, 7800, 8000, 8200, 8400, 8600, 8800, 9000, 9200, 9400, 9600, 9800, 10000, 10200, 10400, 10600, 10800, 11000, 11200, 11400, 11600, 11800, 12000, 12200, 12400, 12600, 12800, 13000, 13200, 13400, 13600, 13800, 14000, 14200, 14400, 14600, 14800, 15000, 15200, 15400, 15600, 15800, 16000, 16200, 16400, 16600, 16800, 17000, 17200, 17400, 17600, 17800, 18000, 18200, 18400, 18600, 18800, 19000, 19200, 19400, 19600, 19800, 20000, 20200, 20400, 20600, 20800, 21000, 21200, 21400, 21600, 21800, 22000, 22200, 22400, 22600, 22800, 23000, 23200, 23400, 23600, 23800, 24000, 24200, 24400, 24600, 24800, 25000, 25200, 25400, 25600, 25800, 26000, 26200, 26400, 26600, 26800, 27000, 27200, 27400, 27600, 27800, 28000, 28200, 28400, 28600, 28800, 29000, 29200, 29400, 29600, 29800, 30000, 30200, 30400, 30600, 30800, 31000, 31200, 31400, 31600, 31800, 32000, 32200, 32400, 32600, 32800, 33000, 33200, 33400, 33600, 33800, 34000, 34200, 34400, 34600, 34800, 35000, 35200, 35400, 35600, 35800, 36000, 36200, 36400, 36600, 36800, 37000, 37200, 37400, 37600, 37800, 38000, 38200, 38400, 38600, 38800, 39000, 39200, 39400, 39600, 39800, 40000, 40200, 40400, 40600, 40800, 41000, 41200, 41400, 41600, 41800, 42000, 42200, 42400, 42600, 42800, 43000, 43200, 43400, 43600, 43800, 44000, 44200, 44400, 44600, 44800, 45000, 45200, 45400, 45600, 45800, 46000, 46200, 46400, 46600, 46800, 47000, 47200, 47400, 47600, 47800, 48000, 48200, 48400, 48600, 48800, 49000, 49200, 49400, 49600, 49800, 50000, 50200, 50400, 50600, 50800, 51000, 51200, 51400, 51600, 51800, 52000, 52200, 52400, 52600, 52800, 53000, 53200, 53400, 53600, 53800, 54000, 54200, 54400, 54600, 54800, 55000, 55200, 55400, 55600, 55800, 56000, 56200, 56400, 56600, 56800, 57000, 57200, 57400, 57600, 57800, 58000, 58200, 58400, 58600, 58800, 59000, 59200, 59400, 59600, 59800, 60000, 60200, 60400, 60600, 60800, 61000, 61200, 61400, 61600, 61800, 62000, 62200, 62400, 62600, 62800, 63000, 63200, 63400, 63600, 63800, 64000, 64200, 64400, 64600, 64800, 65000, 65200, 65400, 65600, 65800, 66000, 66200, 66400, 66600, 66800, 67000, 67200, 67400, 67600, 67800, 68000, 68200, 68400, 68600, 68800, 69000, 69200, 69400, 69600, 69800, 70000, 70200, 70400, 70600, 70800, 71000, 71200, 71400, 71600, 71800, 72000, 72200, 72400, 72600, 72800, 73000, 73200, 73400, 73600, 73800, 74000, 74200, 74400, 74600, 74800, 75000, 75200, 75400, 75600, 75800, 76000, 76200, 76400, 76600, 76800, 77000, 77200, 77400, 77600, 77800, 78000, 78200, 78400, 78600, 78800, 79000, 79200, 79400, 79600, 79800, 80000, 80200, 80400, 80600, 80800, 81000, 81200, 81400, 81600, 81800, 82000, 82200, 82400, 82600, 82800, 83000, 83200, 83400, 83600, 83800, 84000, 84200, 84400, 84600, 84800, 85000, 85200, 85400, 85600, 85800, 86000, 86200, 86400, 86600, 86800, 87000, 87200, 87400, 87600, 87800, 88000, 88200, 88400, 88600, 88800, 89000, 89200, 89400, 89600, 89800, 90000, 90200, 90400, 90600, 90800, 91000, 91200, 91400, 91600, 91800, 92000, 92200, 92400, 92600, 92800, 93000, 93200, 93400, 93600, 93800, 94000, 94200, 94400, 94600, 94800, 95000, 95200, 95400, 95600, 95800, 96000, 96200, 96400, 96600, 96800, 97000, 97200, 97400, 97600, 97800, 98000, 98200, 98400, 98600, 98800, 99000, 99200, 99400, 99600, 99800, 100000, 100200, 100400, 100600, 100800, 101000, 101200, 101400, 101600, 101800, 102000, 102200, 102400, 102600, 102800, 103000, 103200, 103400, 103600, 103800, 104000, 104200, 104400, 104600, 104800, 105000, 105200, 105400, 105600, 105800, 106000, 106200, 106400, 106600, 106800, 107000, 107200, 1

3800
3700
3600
3500
3400
3300



3map_ute_dome_18 1-Aug-1996 16:13
3map_ute_dome_18.cgm for zgsf05.at.dsgsf05



350,000

370,000

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3map_ute_dome_18.cgm for zgsf05.at.dsgsf05

DEPTH	DEVIATION	DEPTH	DEVIATION
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430	.75		
641	1.5		
735	3.00		
1016	3.5		
1109	2.75		
1204	2.25		
1515	2.75		
2105	3.25		

RECEIVED
NOV 22 1996
OH CON. DIV.
DIST. 3

UTE INDIANS A $\frac{f}{f}$ 25

3c-045-29417

SAN JUAN

NEW MEXICO

Nancy Updegraff

STAFF ASSISTANT

SUBSCRIBED AND SWORN to before me, a Notary Public in and for
said County and State this 19th day of November, 1996

My Commission Expires: August 12, 1989

PATRICIA J. ARCHULETA
NOTARY PUBLIC
STATE OF COLORADO