

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 CHUSKA ENERGY COMPANY

3. ADDRESS OF OPERATOR
 P. O. BOX 2118, FARMINGTON, NEW MEXICO 87499

4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.)
 At surface 1770' FSL & 1560' FEL
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 DIVISION OF OIL, GAS & MINING
 NOV 04 1985

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit loc. if any)
 GAS & MINING OF ACRES IN LEASE 5420

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIC FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH 6250'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5172' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SI. OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 5/8	54.50	80	See Attached
12 1/4	8 5/8	24.0	1600	
7 7/8	5 1/2	15.50	6250	

See Attached

5. LEASE DESIGNATION AND SERIAL NO.
 NOG 8505-1087
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NAVAJO
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 NAVAJO TRIBAL A
 9. WELL NO.
 3325-24
 10. FIELD AND POOL, OR WILDCAT
 ANTEH WILDCAT
 11. SEC., T., R. M., OR BLM. AND SURVEY OR AREA
 24 - 41S - 25E
 12. COUNTY OR PARISH 13. STATE
 SAN JUAN UTAH

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

DATE: 11/14/85
 BY: John R. Dyer
 WELL SPACING: G-3(C)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: *John R. Dyer* TITLE: Vice-President DATE: 10/30/85
 JOHN ALEXANDER

(This space for Federal or State office use)
 PERMIT NO. 43-037-31219 APPROVAL DATE

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

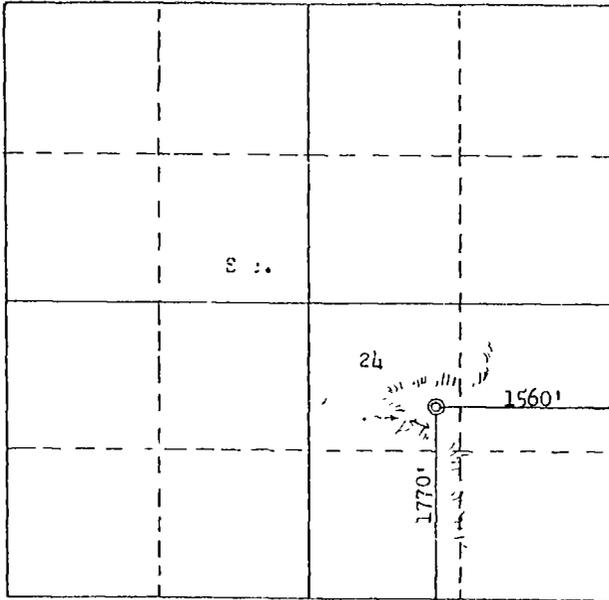
LEASE NAVAJO TRIBAL "A" WELL NO 33-24

SEC 24, T. 41S, R. 25E

County: San Juan State: Utah

LOCATION 1770' FSL 1560' FEL

ELEVATION 5172 ungraded ground



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REALT

Fred B. Kery Jr.
Registered Land Surveyor
Fred B. Kery Jr.
1950

SURVEYED September 23, 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tribal A No. 3325-24
1770' FSL & 1560' FEL
Section 24, T41S, R25E
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1939'
DeChelly	3079'
Organ Rock	3229'
Hermosa	4976'
Upper Ismay	5876'
Lower Ismay	5974'
Desert Creek	6054'
T.D.	6250'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil 6054'

4. Proposed Casing Program:

0-80'	13 3/8", 54.5 lb./ft., ST & C J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl ₂ + 1/4 lb. celophane flakes per sack.
0-1900'	8 5/8", 24 lb./ft., ST & C K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl ₂ . Cement will be brought to surface.
0-6250' T.D.	5 1/2", 15.5 lb./ft., ST & C K-55 new casing; cement with 450 cu. ft. 50-50 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. Second stage tool at 3300'. Cemented with 750 cu. ft. Class "B" with 4% gel. Cement to surface.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID USAGE
0-1600'	Gel-lime	35-45	9 0	Not controlled
1600-4000'	Gel-chem	35-45	9 5	15cc
4000-6250	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- Bit float
- Stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole: IES, CNL, FDC
Mud: 4000' to T.D.

Testing: Possible in Lower Ismay and Desert Creek.

Coring: None planned.

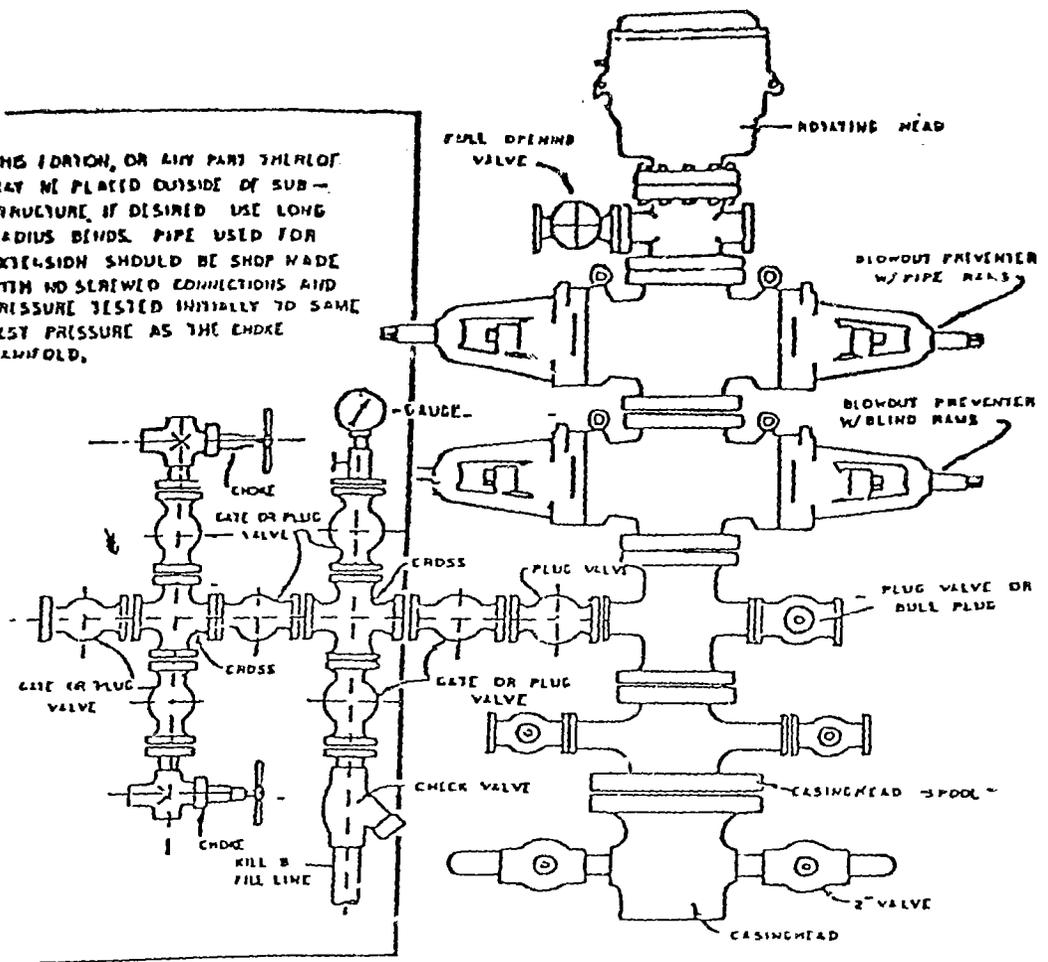
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

Anticipated starting date is December 30, 1985. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION, OR ANY PART THEREOF MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SLEWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKER MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY COMPANY
Navajo Tribal A No. 3325-24
1770' FSL & 1560' FEL
Section 24, T41S, R25E
San Juan County, Utah

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county and secondary road will bear normal drilling traffic and not have to be upgraded.

2. Planned Access Road (shown in red):

The new access road will run West from the existing secondary road approximately 400 feet to the well site. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3. Location of Existing Wells:

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines:

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 12 miles West of the location.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a land fill or burned. All non burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned

10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

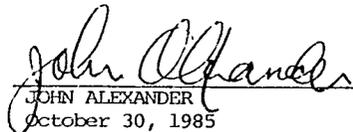
11. Plans for Restoration of Surface:

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all non burnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

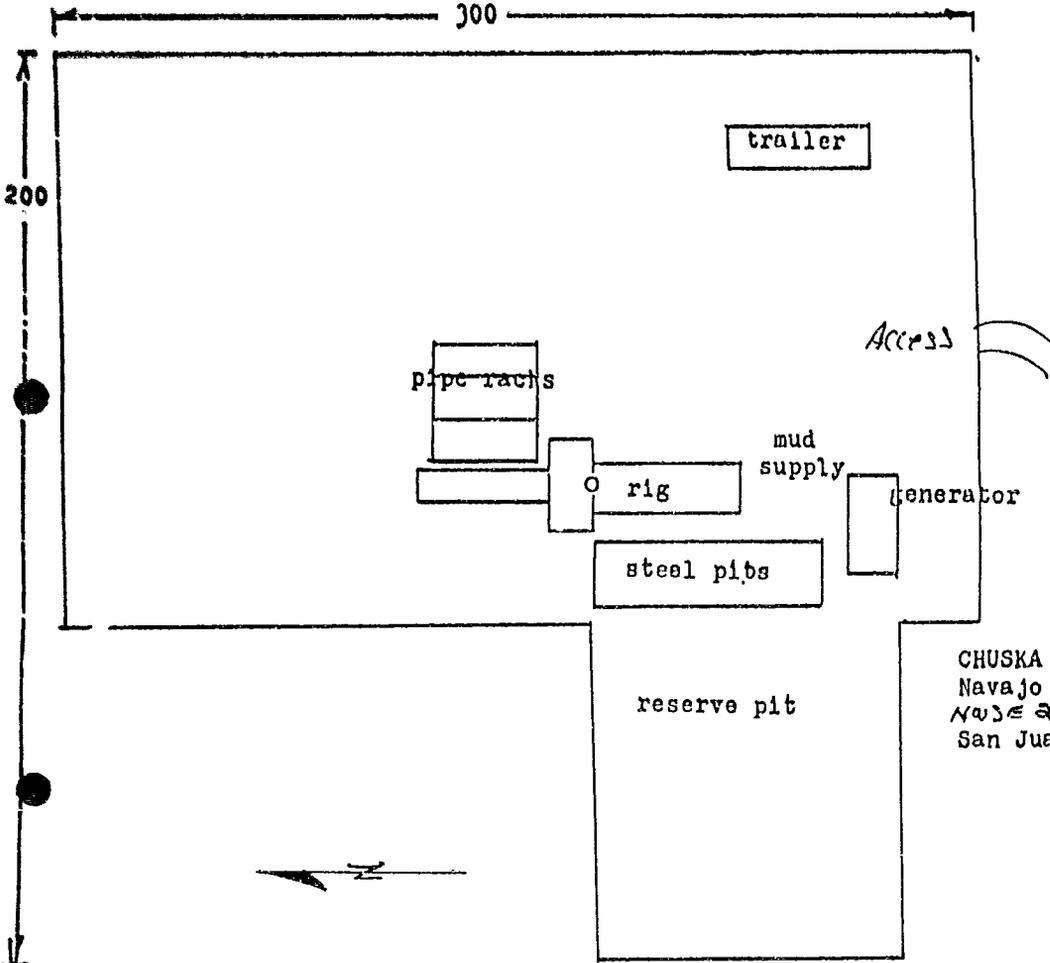
12. This location is in the Rockwell Springs area. The location is flat and covered with small pinion trees. A residence lies 600' Southeast of the location. An access road has been laid out to avoid the area immediately around the house.

13. John Alexander
CHUSKA ENERGY COMPANY
P. O. Box 2118
Farmington, New Mexico 87499
(505) 326-5525

14. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

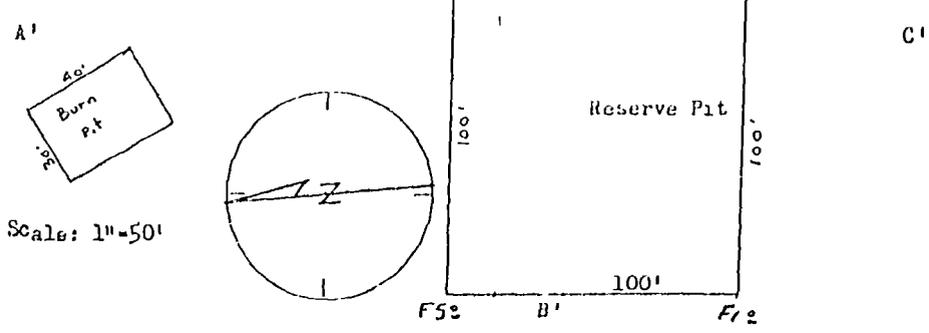
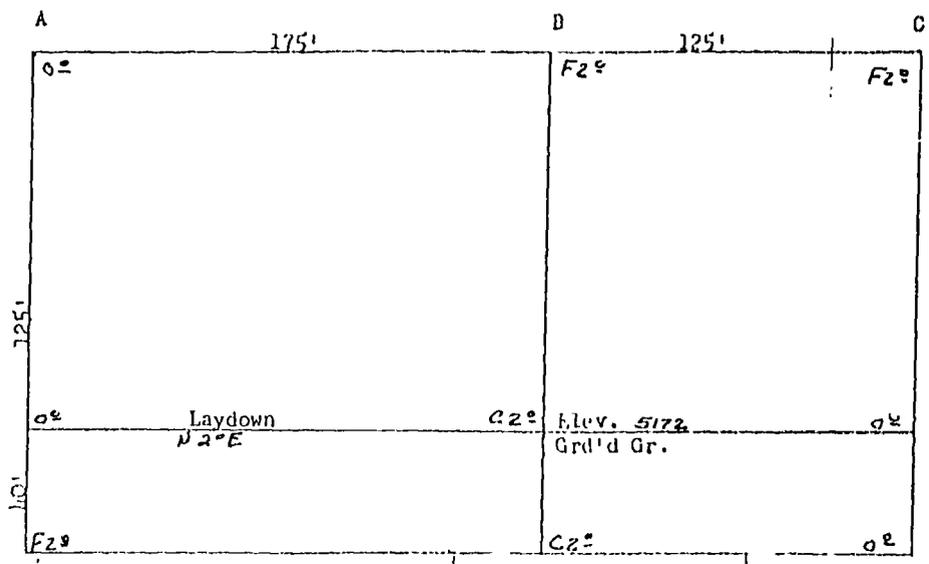


JOHN ALEXANDER
October 30, 1985



CHUSKA ENERGY CO.
Navajo Tribal A No. 3325-24
NWS 24418-25
San Juan, Utah

CHUSKA ENERGY COMPANY #33-24 NAVAJO TRIBAL
 1770 FSL J FEL Sec. 24-THIS-RPSE
 SAN JUAN COUNTY, UTAH



Scale: 1"=50'

A-A' Vert: 1"=30' Horiz: 1"=100' G/L

5170						
5160						

B-B' C/L

5170						
5160						

C-C' C/L

5170						
5160						

OPERATOR Chukar Energy Co DATE 11-5 '85

WELL NAME Murray Pit #1 A 3325-24

SEC NWSE 24 T 415 R 25E COUNTY San Juan

43-037-31219
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 24

Need water permit

Exception location

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT C-3-a _____ CAUSE NO. & DATE
- C-3-b C-3-c

STIPULATIONS:

1- Water

2- Exception location



STATE OF UTAH
NATURAL RESOURCES
Oil Gas & Mining

Norman H. Bangerter Governor
Dee C. Hansen Executive Director
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple - Trad Center - Suite 355 - Salt Lake City, UT 84180 1203 • 801-538-5340

November 14, 1985

Chuska Energy Company
P. O. Box 2118
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal A 3325-24 - NW SE Sec. 24, T. 41S, R. 25E
1770' FSL, 1560' FEL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

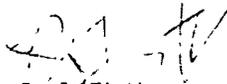
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) 801-538-5340, (Home) 298-7695, or R. J. Firch, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Chuska Energy Company
Well No. Navajo Tribal A 3325-24
November 14, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31219.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Caller Service 4104
 Farmington, New Mexico 87499

JAN 23 1987

Chuska Energy Company
 P.O. Box 2111
 Farmington, NM 87499

Gentlemen:

Reference is made to your Applications for Permit to Drill (APDA) for the following wells:

- ✓ 1. No. 32-10 Navajo Tribal, SW/4SE/4 sec. 10, T. 42 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 2. No. 13-0 Navajo Tribal, NW/4SW/4 sec. 8, T. 42 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 3. No. 41-13 Navajo Tribal, NE/4NE/4 sec. 13, T. 42 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 4. No. 3323-24 Navajo Tribal "A", W/4SE/4 sec. 24, T. 41 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
- ✓ 5. No. 33-30 Navajo Tribal "A", NW/4SE/4 sec. 30, T. 41 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
6. No. 32-21 Navajo Tribal, SW/4SE/4 sec. 21, T. 40 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 7. No. 13-14 Navajo Tribal "A", NW/4SW/4 sec. 34, T. 40 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
8. No. 44-29 Navajo Tribal "A", SE/4E-/4 sec. 29, T. 43 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.

The subject deficient and unapproved APDS are hereby returned pursuant to 43 CFR 3160 Section III Part B2 of Order No. 1, which states "If the deficiencies are not corrected and/or the additional required information is not submitted within 45 days of the date of any oral or written notice the application shall be returned to the proponent".

Sincerely,

for John L. ~~Ripley~~

Ron Fellows
Area Manager
POK

6 Enclosures

cc:
ABO (015)
Well files
FSM (Riner)
3162.3-1

016:JLovato:csh:12/1/86



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

Norman H. Bangerter, Governor
 Dee C. Hansen, Executive Director
 Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538-5340

RECEIVED
 FEB 11 1987

February 2, 1987

DIVISION OF
 OIL GAS & MINING

Mr. John Keller
 U. S. Bureau of Land Management
 Caller Service 4104
 Farmington, New Mexico 87499

RECEIVED

FEB 09 1987

BUREAU OF LAND MANAGEMENT
 FARMINGTON RESOURCE AREA

Dear Mr. Keller:

RE: Status of Approved Wells

The attached list of wells operated by Chuska Energy Company in San Juan County, Utah was given approval to drill from this office over one year ago. We have received no other information from the company to determine the current status of these wells. We request that you provide us information concerning whether these wells still have approvals pending with the U. S. Bureau of Land Management. A quick note beside the name of each of the wells on the attached list will be sufficient for our purposes.

Thank you for your prompt consideration of this matter. We appreciate any assistance you can provide us.

Sincerely,

John R. Baza
 John R. Baza
 Petroleum Engineer

sb
 Attachment
 cc: D. R. Nielson
 R. J. Firth
 Well Files
 0258T-89-90

Attachment
February 2, 1987

Chuska Energy Comp ny
San Juan County, Utah
NOG 8308-1033:

Navajo Tribal 41-13 /
NE NE, Sec.13, T.42S, R.24E, Returned (See encl.)
API NO. 43-037-31222

Navajo Tribal 13-8 /
NW SW, Sec.8, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31223

Navajo Tribal 32-18 /
SW NE, Sec.18, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31229

NOG 8505-1087:

Navajo Tribal A 24-29
SE SW, Sec.29, T43S, R.25E, Approval rescinded 1/22/87 (see encl.)
API NC. 43-037-31195

Navajo Tribal A 23-24
NE SW, Sec.24, T.41S, R.23E, Need Archeological Clearance
API NO. 43-037-31216

Navajo Tribal A 33-30 /
NW SE, Sec.30, T.41S, R.24E, Returned (See encl.)
API NO. 43-037-31218

Navajo Tribal A 3325-24
NW SE, Sec.24, T.41S, R.25E, Returned (See encl.)
API NO. 43-037-31219

Navajo Tribal A 13-34 /
NW SW, Sec.34, T.40S, R.24E, Returned (See encl.)
API NO. 43-037-31228



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter Governor
Dee C. Hansen Executive Director
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple • 3 Triad Center Suite 350 Salt Lake City UT 84180-1203 • 801-538-5340

February 18, 1987

021906

Chuska Energy Company
P.O. Box 2118
Farmington, New Mexico 87499

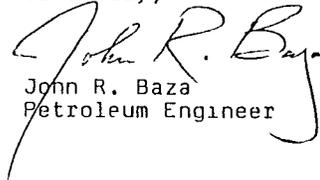
Gentlemen:

RE: Well No. Navajo Tribal A 3325-24, Sec.24, T.41S, R.25E,
San Juan County, Utah, API NO. 43-037-31219

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,



John R. Baza
Petroleum Engineer

sb
cc: BLM-Farmington
D. R. Nielson
R. J. Firth
Well file
0327T-53