

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 88401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
 At surface  
 660' FSL & 2140' FWL  
 At proposed prod zone  
 SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drilg unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5111' GR

RECEIVED  
 SEP 11 1985 SE/50

DIVISION OF OIL  
 GAS & MINING

6. LEASE DESIGNATION AND SERIAL NO  
 NOG 8505-1087

8. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 NAVAJO TRIBAL A

9. WELL NO  
 24-29

10. FIELD AND POOL, OR WILDCAT  
 ANETH

11. SEC. T. R. M., OR BLM AND SURVEY OR AREA  
 29-43S-25E

12. COUNTY OR PARISH | 13. STATE  
 San Juan | UTAH

16. NO OF ACRES IN LEASE  
 5420

17. NO OF ACRES ASSIGNED TO THIS WELL  
 40

19. PROPOSED DEPTH  
 5600

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX DATE WORK WILL START\*  
 November 1, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	80	See attached
12 1/2	8 5/8	24.0	1500	
7 7/8	5 1/2	15.50	5600	

\* SEE ATTACHED

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS AND MINING  
 DATE 9/16/85  
 BY John R. Day  
 WELL SPACING 6-3/8'

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.

SIGNED John Alexander TITLE Vice-President DATE September 3, 1985  
 JOHN ALEXANDER

PERMIT NO 43-057-31195 APPROVAL DATE

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY \*

\*See Instructions On Reverse Side

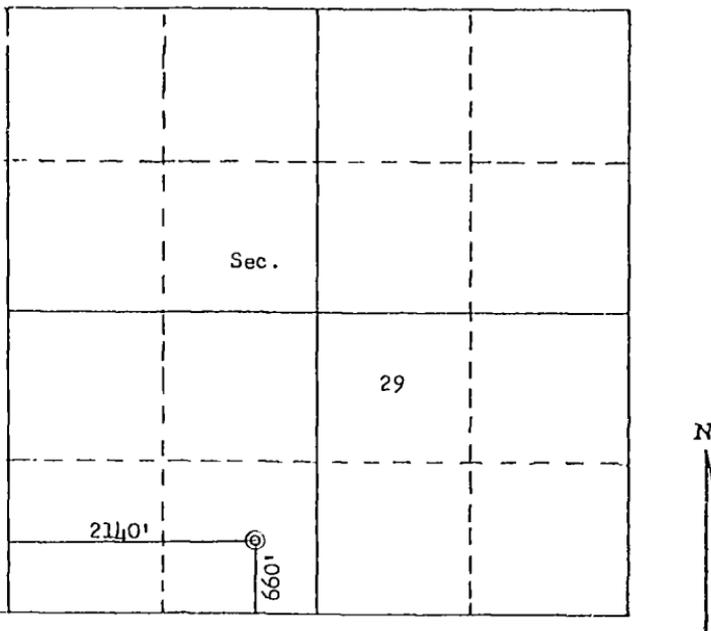
COMPANY GIUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL "A" WELL NO 24-29

SEC 29, T. 43S R. 25E  
San Juan County, Utah

LOCATION 660' ESL 2140' FWL

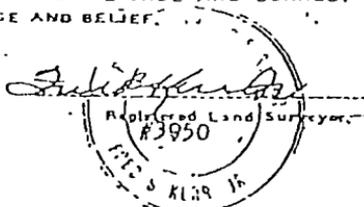
ELEVATION 5111 ungraded ground



SCALE—1 INCHES EQUALS 1 MILE

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

REALT



SURVEYED July 26, 1985

FORMATION INFORMATION AND  
DRILLING PRACTICES

CHUSKA ENERGY COMPANY  
Navajo Tribal A No. 24-29  
660' FSL & 2140' FWL  
29-43S-25E  
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1512'
Dechelly	2533'
Organ Rock	2805'
Hermosa	4386'
Upper Isamy	5187'
Desert Creek	5392'
T. D.	5600'

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

Oil	5187'
Oil	5392'

4. Proposed Casing Program:

0-80' 13 3/8", 54.5 lb/ft, ST & C J-55 new casing; cement with 120 cubic feet Class "R" + 2% CaCl<sub>2</sub> + ¼ lb. celo-phane flakes per sack.

0-1500 8 5/8", 24 lb/ft, ST & C K-55 new casing; cement with 800 cubic feet 65-35 poz mix + 2% CaCl<sub>2</sub>. Cement will be brought to surface.

0-5600' 5 ½", 15.5 lb/ft, ST & C K-55 new casing; cement with 450 cubic feet 50-50 poz mix + 2% CaCl<sub>2</sub> + 10% salt + 0.8% fluid loss additive. Cement top at 4000'.

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 LOSS
1500'	Gel-lime	35-45	9.0	Not controlled
1500' - 4000'	Gel-chem	35-45	9.5	15cc
4000' - 5600'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

a. Bit float

b. 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 & Desert Creek

Coring : None planned

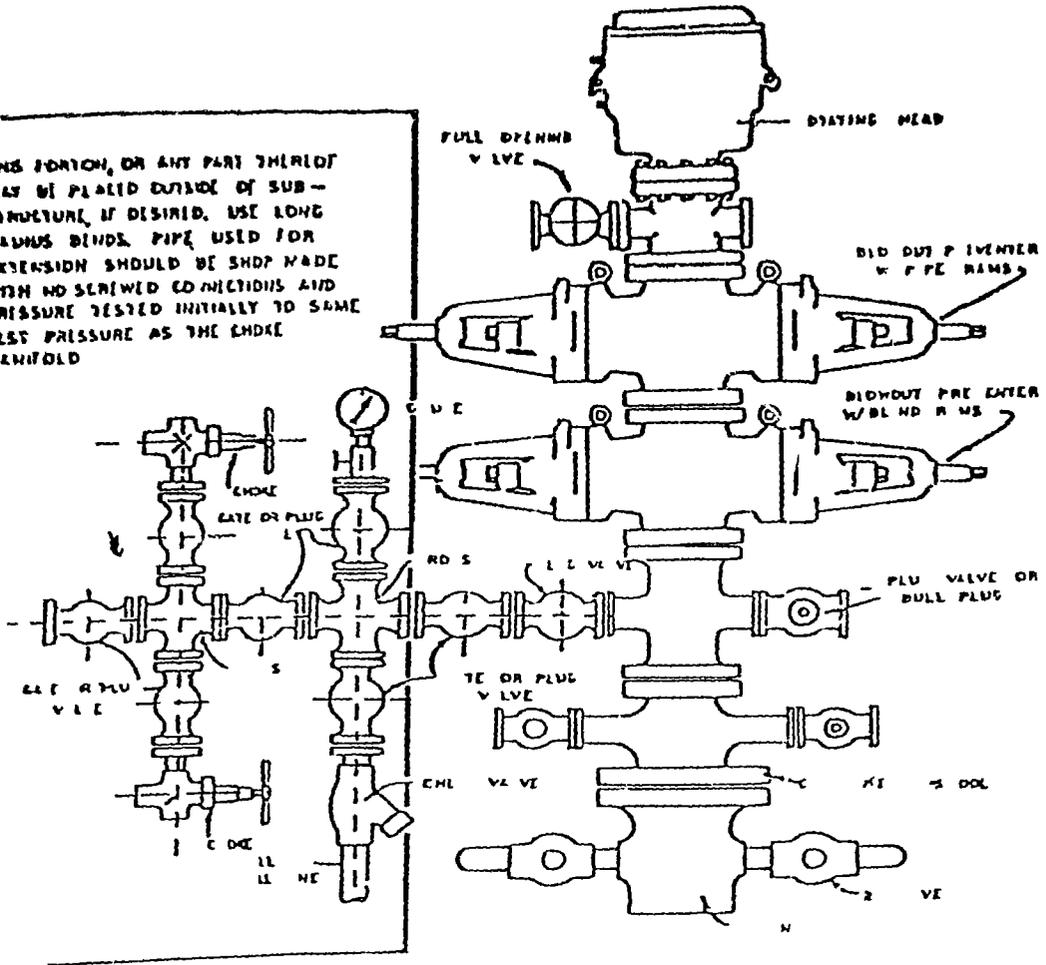
9. Abnormal Temperatures, Pressures or Potential Hazards:

None expected

10. Starting Date:

Anticipated starting date is November 1, 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 SWEATED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE END USE MANIFOLD



BLOWOUT PREVENTER HOOKUP

SURFACE PLAN

CHUSKA ENERGY COMPANY  
Navajo Tribal A No. 24-29  
660' FSL & 2140' FWL  
29-43S-25E  
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 South from the existing secondary road approximately 3/4 mile to the Well site. Maximum grade will be 10%. Water bars will be used to prevent erosion. The new access road will follow an old location road to the Well site.

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, 15 miles north 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 nonburnable 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:

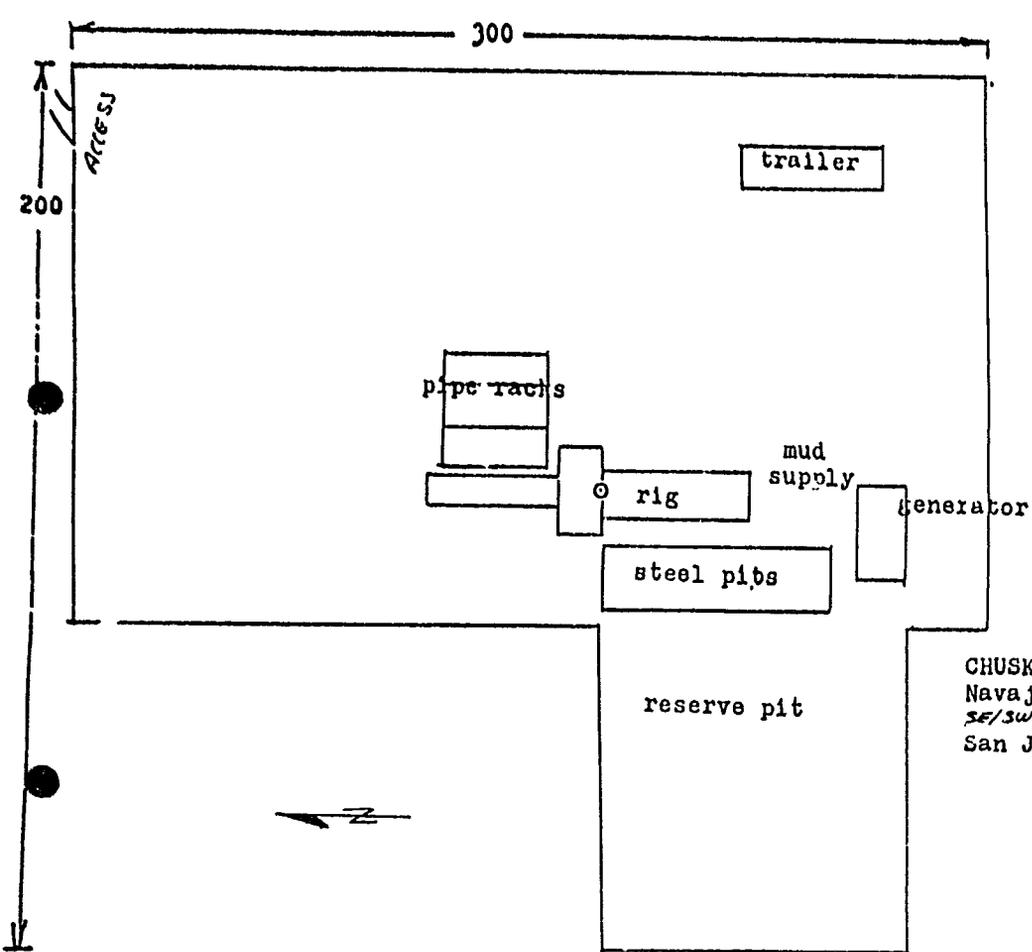
Restoration of the Wellsite and access road will begin within 90 days of Well completion, weather permitting, and if required by private land owner. Should Well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill 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 nonburnable material and any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This site is in Tsitah Wash. The area is flat and covered with sagebrush. There are a group of residences 2/4 mile northeast of the site. No artifacts were found.

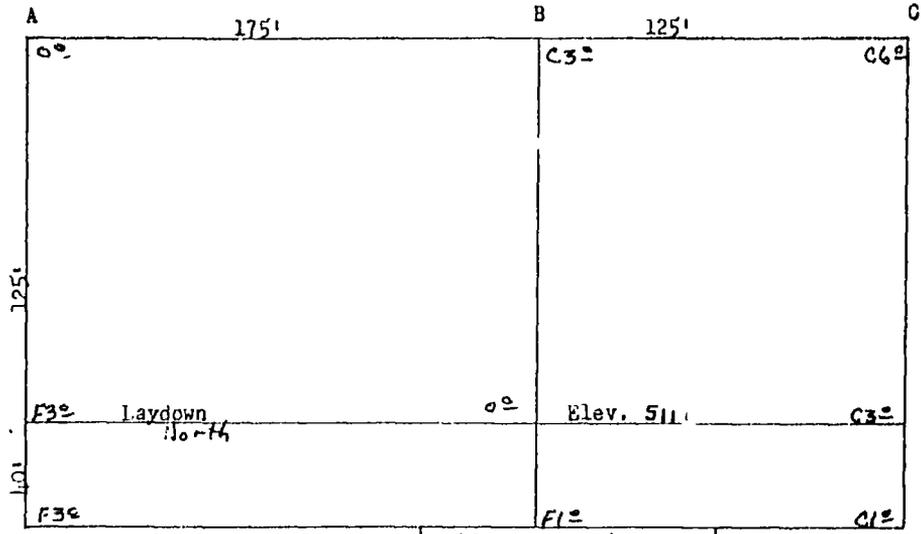
13. John Alexander  
Chuska Energy Company  
P. O. Box 2118  
Farmington, New Mexico 87499  
Phone: (505) 326-5525

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 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.

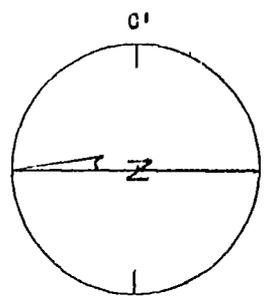
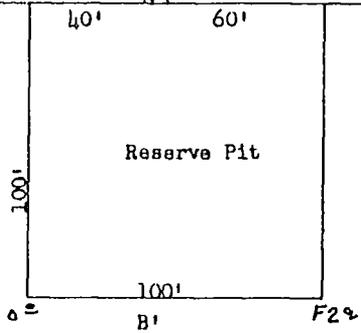
  
\_\_\_\_\_  
JOHN ALEXANDER  
September 3, 1985



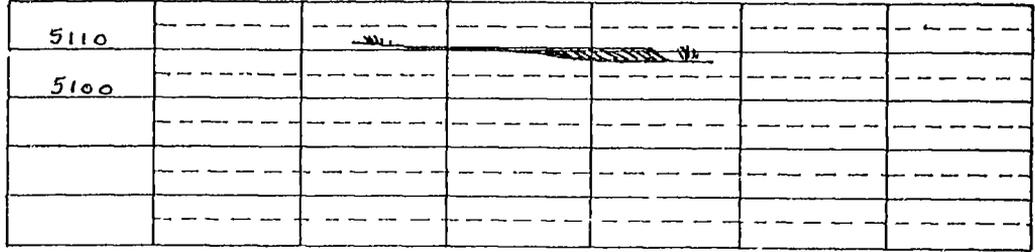
Profile for  
 CHL ENERGY COMPANY #24-29 NAVAJO BAL "A"  
 660' FSL 2140' FWL Sec. 29-T43S-R25E  
 SAN JUAN COUNTY, UTAH



1"=50'

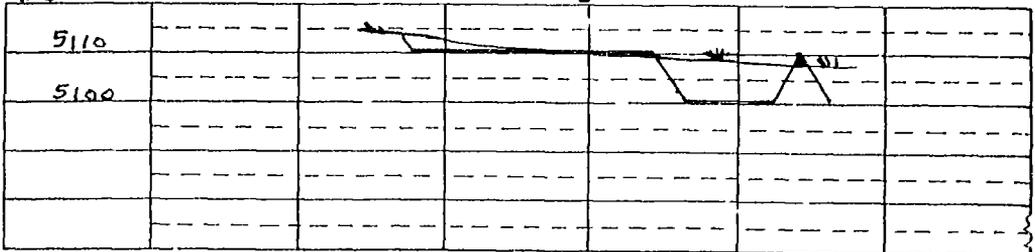


A-A' Horiz: 1"=100' Vert: 1"=30'



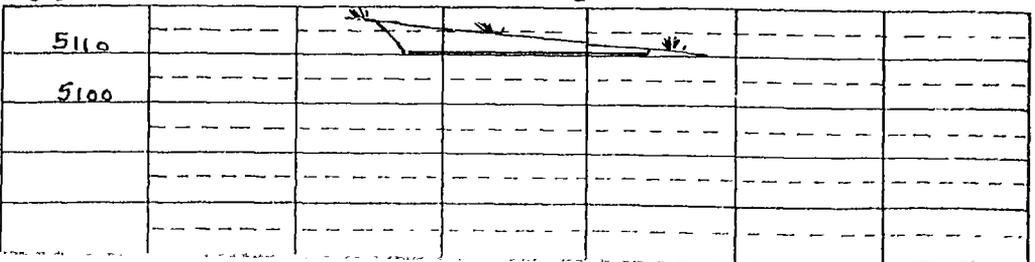
B-B'

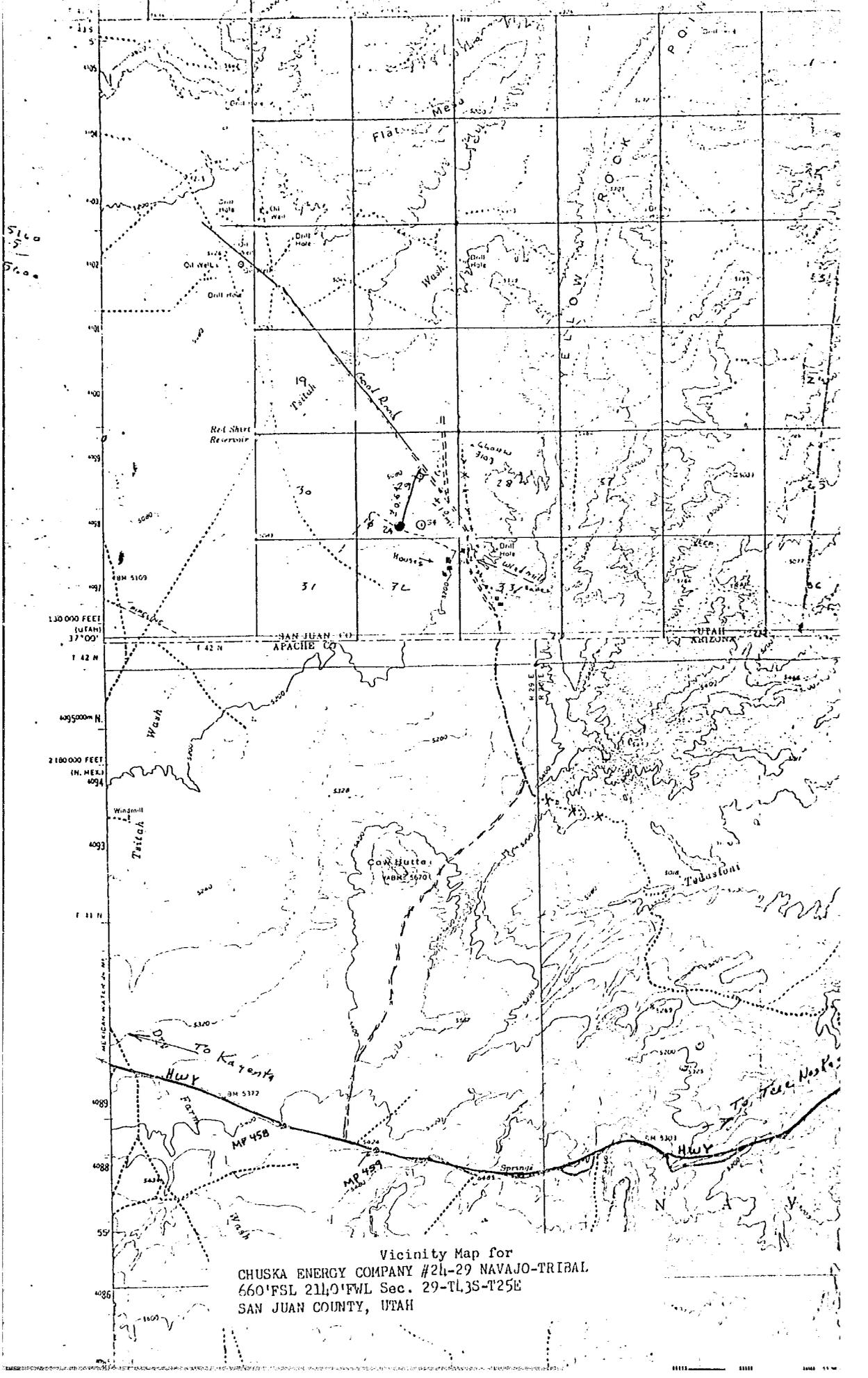
E



C-C'

E





Vicinity Map for  
 CHUSKA ENERGY COMPANY #24-29 NAVAJO-TRIBAL  
 660'FSL 211.0'FWL Sec. 29-TL3S-T25E  
 SAN JUAN COUNTY, UTAH

OPERATOR Chimera Energy Co. DATE 9-13-85

WELL NAME Navajo Unit A 24-29

SEC SE SW 29 T 43-N R 25E COUNTY San Juan

**43-037-31195**  
API NUMBER

Indian  
TYPE OF LEASE

CHECK OFF:

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

PROCESSING COMMENTS:

No other well within 1000'

Need written agreement

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

APPROVAL LETTER:

- SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE \_\_\_\_\_
- c-3-b \_\_\_\_\_  c-3-c \_\_\_\_\_

STIPULATIONS:

1-winter

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



STATE OF UTAH  
NATURAL RESOURCES  
Oil Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hanser, 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

September 16, 1985

Chuska Energy Company  
P.O. Box 2118  
Farmington, NM 87499

Gentlemen:

Re: Well No. Navajo Tribal A 24-29 - SE SW Sec. 29, T. 43S, R. 25E  
660' FSL, 2140' FWL - San Juan County, UT-h

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3 (b), 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.

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

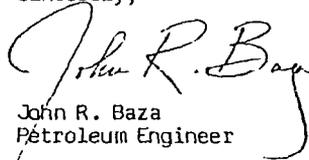
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, 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 24-29  
September 16, 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 43-037-31195.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza". The signature is written in black ink and is positioned above the typed name and title.

John R. Baza  
Petroleum Engineer

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



# CHUSKA ENERGY COMPANY

P O BOX 2118 • FARMINGTON, N M 87499 • PHONE (505) 326-5525

February 25, 1986

030743  
RECEIVED

Division of Water Rights  
P. O. Box 718  
Price, Utah 84501

RECEIVED  
MAR 07 1986

FFR 29 1986  
WATER RIGHTS  
PRICE

Attention: Mr. Mark Page

DIVISION OF  
OIL, GAS & MINING

Re: Water Permit No. 09-1443

Gentlemen:

Chuska Energy received the referenced permit to drill numerous oil wells in San Juan County. The need has arisen to add two previously unlisted wells to the permit. The following wells are listed on the permit and will not be drilled.

{	Navajo Tribal #32-18	SW NE Sec. 18	T.42S	R.25E	43-037-31229	JA
	Navajo Tribal A #24-29	SE SW Sec. 29	T.43S	R.25E	43-037-31195	JA

We would like to add the following two wells to the permit in place of those above:

Navajo Tribal A #44-29	SE SE Sec. 29	T.43S	R.25E	43-037-31248	JA
Navajo Tribal #41-11	NE NE Sec. 11	T.42S	R.25E	43-037-31243	JA

All wells are in San Juan County. The water source, volume, and means of transportation will be the same.

Sincerely,

*John Alexander*  
John Alexander

JA/bc

EXPLANATORY

118

The following additional information is set forth in order to define more fully the full purpose of the proposed application:

CHUSKA OWNS MINERALS AT THESE LOCATIONS.

WELLS INCLUDED IN THIS APPLICATION ARE:

1180720

NAVAJO TRIBAL A #34-29 43-037-31200 43S 25E Sec. 29 PA

NAVAJO TRIBAL A #24-29 43-037-31195 43S 25E Sec. 29 PA

(Use page 4 if additional explanatory is needed)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

John Alexander  
Signature of Applicant\*

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, each applicant must sign and file a separate affidavit with this application.

Caller Service 4104  
Farmington, New Mexico 87499

FEB 11 1987

JAN 22 1987

RECEIVED

FEB 09 1987

DIVISION OF  
OIL, GAS & MINING

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

Gluska Energy Company  
P.O. Box 2118  
Farmington, NM 87499

Gentlemen:

Enclosed is your Application for Permit to Drill (APD) Well No. 24-29 Navajo Tribal A, SF/48K/4 Sec. 29, T. 43 S., R. 25 E., San Juan County, Utah, Navajo Operation A, recent BGC-4505-1007.

The subject APD is rescinded and returned due to drilling not being commenced within one year of the approval date.

You are required to request surface rehabilitation instructions from this office if construction activities occurred on the referenced drill site. If this office does not receive comment within 15 days, we will presume that no construction occurred. Later discovery that construction activities have in fact occurred, will result in an assessment.

Sincerely,

*[Signature]*

for follows

FOR file manager

1 Enclosure

cc:  
NR10CD (2) (

Caller Service 4104  
Farmington, New Mexico 87499

JAN 22 1987

Chuska Energy Company  
P.O. Box 2118  
Farmington, NM 87499

Content:

Enclosed is your application for Permit to Drill (APD) well No. 24-29 Navajo Tribal A, N/4SW/4 sec. 29, T. 43 S., R. 25 E., San Juan County, Utah, Navajo Operating Agreement #06-8505-1087.

The subject APD is resubmitted and returned due to drilling, not being commenced within one year of the approval date.

You are required to request surface reclamation instructions from this office if construction activities occurred on the referenced drill site. If this office does not receive comment within 15 days, we will presume that no construction occurred. Later discovery that construction activities have in fact occurred, will result in an assessment.

Sincerely,

/s/ John L. Keller

FOR John Kellogg  
Area Manager

1 Enclosure

cc.  
PROCD (2) /

JAN 23 1987  
RUC-8505-1087  
3167.3-1(I) (016)



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 • 801-538-5840

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

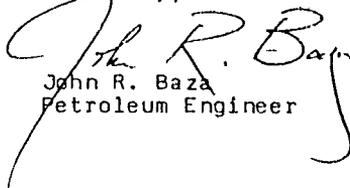
Dear Mr. Keller:

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  
Petroleum Engineer

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

Attachment  
February 2, 1987

Chuska Energy Company  
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 NO. 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 54180-1203 • 801-538-5340

021001

February 18, 1987

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

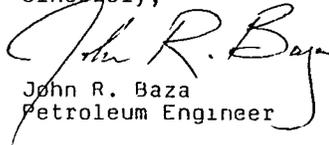
Gentlemen:

RE: Well No. Navajo Tribal A 24-29, Sec. 29, T. 43S, R. 25E,  
San Juan County, Utah, API NO. 43-037-31195

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-51

570223