

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
PO Box 2118, FARMINGTON, NEW MEXICO 87499

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At surface 620' FM, 600' FEL NOV 04 1985
 At proposed prod zone NE NE

5 LEASE DESIGNATION AND SERIAL NO
NOG 8308-1033

6 IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME
NAVAJO TRIBAL

9 WELL NO
41-13

10 FIELD AND POOL, OR WILDCAT
ANETH Wildcat

11 SEC, T, R, M, OR BLK AND SURVEY OR AREA
13 - 42S - 24E

12 COUNTY OR PARISH 13 STATE
SAN JUAN UTAH

14 DISTANCE IN MILES AND DIRECTION FROM DIVISION OR POST OFFICE*
GAS & MILE

15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest dryd unit line, if any)
5420

16 NO OF ACRES IN LEASE TO THIS WELL
40

17 DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL DRILLING COMPLETED, OR APPLIED FOR ON THIS LEASE, FT
5L00'

18 ROTARY OR CABLE TOOLS
Rotary

21 ELEVATIONS (Show whether DF, RT, GR etc)
5107' GR

22 APPROX DATE WORK WILL START*
December 15, 1985

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	54.50	80	See Attached
12 1/4	8 5/8	24.0	1600	
7 7/8	5 1/2	15.50	6000	

SEE ATTACHED

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS AND MINING
 DATE _____
 BY _____
 WELL SPACING 6-3(B)

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 10/30/85
 JOHN ALEXANDER

PERMIT NO _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side

COMPANY JSKA ENERGY COMPANY

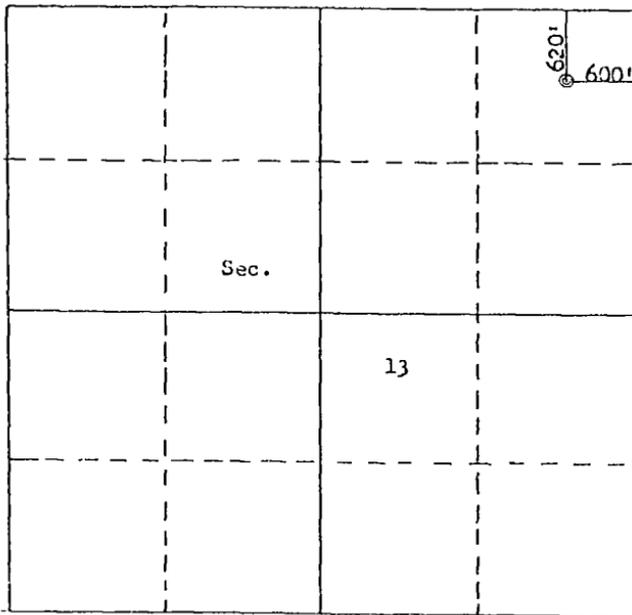
LEASE NAVAJO TRIBAL WELL NO. 41-13

SEC 13, T 42S, R 24E

County. San Juan State: Utah

LOCATION 620'PNL 600'EEL

ELEVATION 5107 ungraded ground



SCALE—4 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.

SEAL

Registered Land Surveyor
Fred B. Kern, Jr.
#3950

SURVEYED September 30, 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tribal No. 41-13
620' FNL & 600' FEL
Section 13, T42S, R24E
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1580'
DeChelly	2790'
Organ Rock	3036'
Hermosa	4730'
Upper Ismay	5580'
Lower Ismay	5711'
Desert Creek	5767'
T.D.	6000'

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

Oil 5767'

4. Proposed Casing Program:

0-30' 13 3/8", 54.5 lb./ft., ST & C J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl₂ + 1/4 lb. celophane flakes per sack.

0-1600' 8 5/8", 24 lb./ft., ST & C K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl₂. Cement will be brought to surface.

0-6000' 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% CaCl₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. Second stage tool at 3000'. Cement with 750 cu. ft. Class "B" with 4% gel. Cement top at 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
4000-6000'	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.

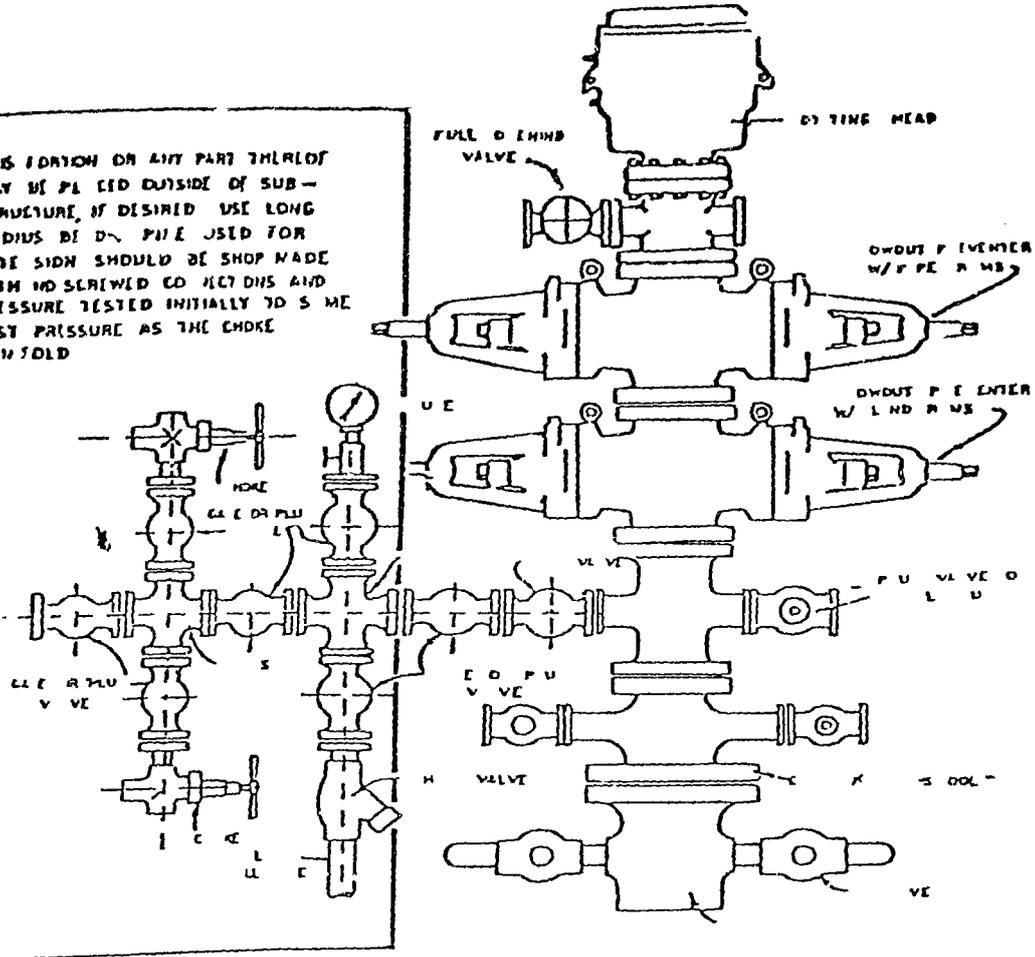
9. Abnormal Temperatures, Pressures or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is December 15, 1985. Aproximately 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 ON ANY PART THEREOF MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED USE LONGER DIAMETER PIPE USED FOR EXTERIOR SHOULD BE SHOP MADE WITH END SCREWED TO NEXT DIAMETER AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE END OF PIPE AS SHOWN



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY COMPANY
Navajo Tribal No. 41-13
620' FNL & 600' FEL
Section 13, T42S, R24E
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 road will bear normal drilling traffic and not have to be upgraded. The secondary road will have to be bladed and widened in some spots for 2.7 miles.

2. Planned Access Road (shown in red):

The new access road will run West from the existing secondary road approximately 2000 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 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 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.

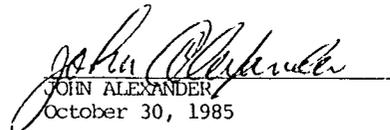
11. Plans for Restoration of Surface:

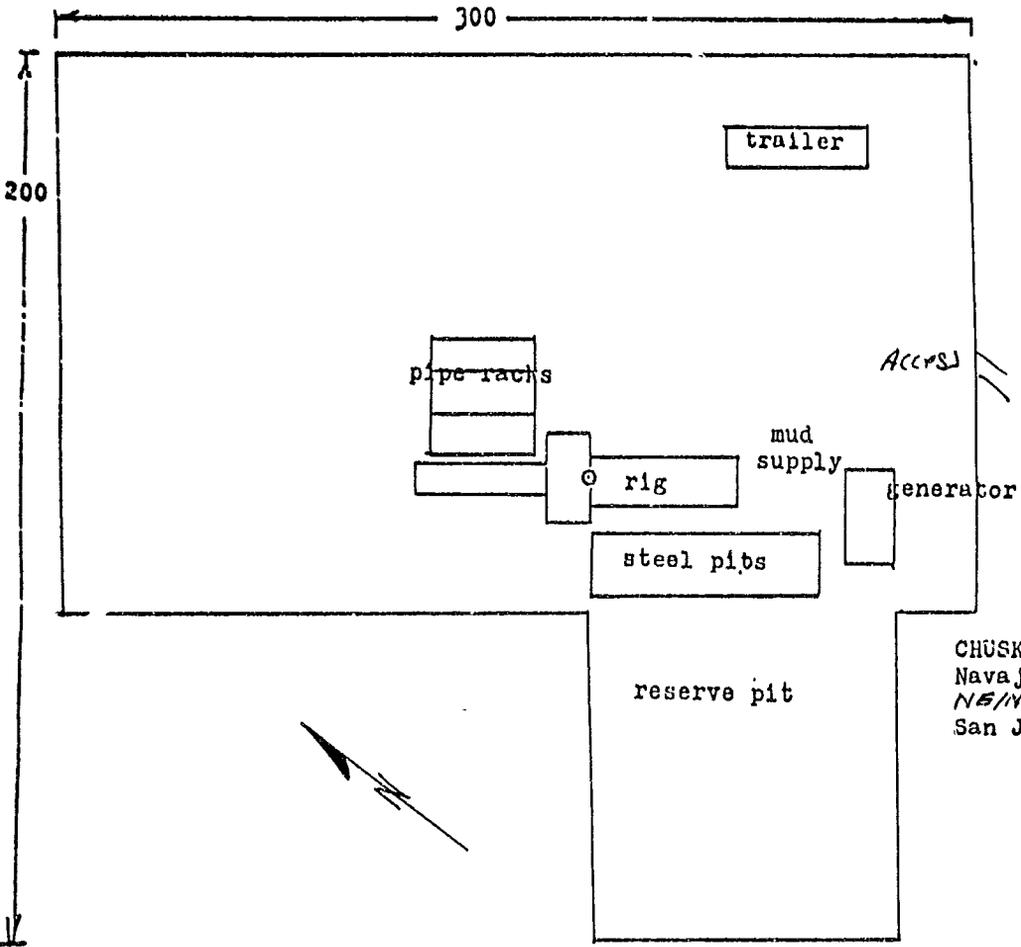
Restoration of the well site and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill 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 can not 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 on top of White Mesa in very rugged surroundings. No artifacts were found on the pad area or access road. There are no residences in the area.

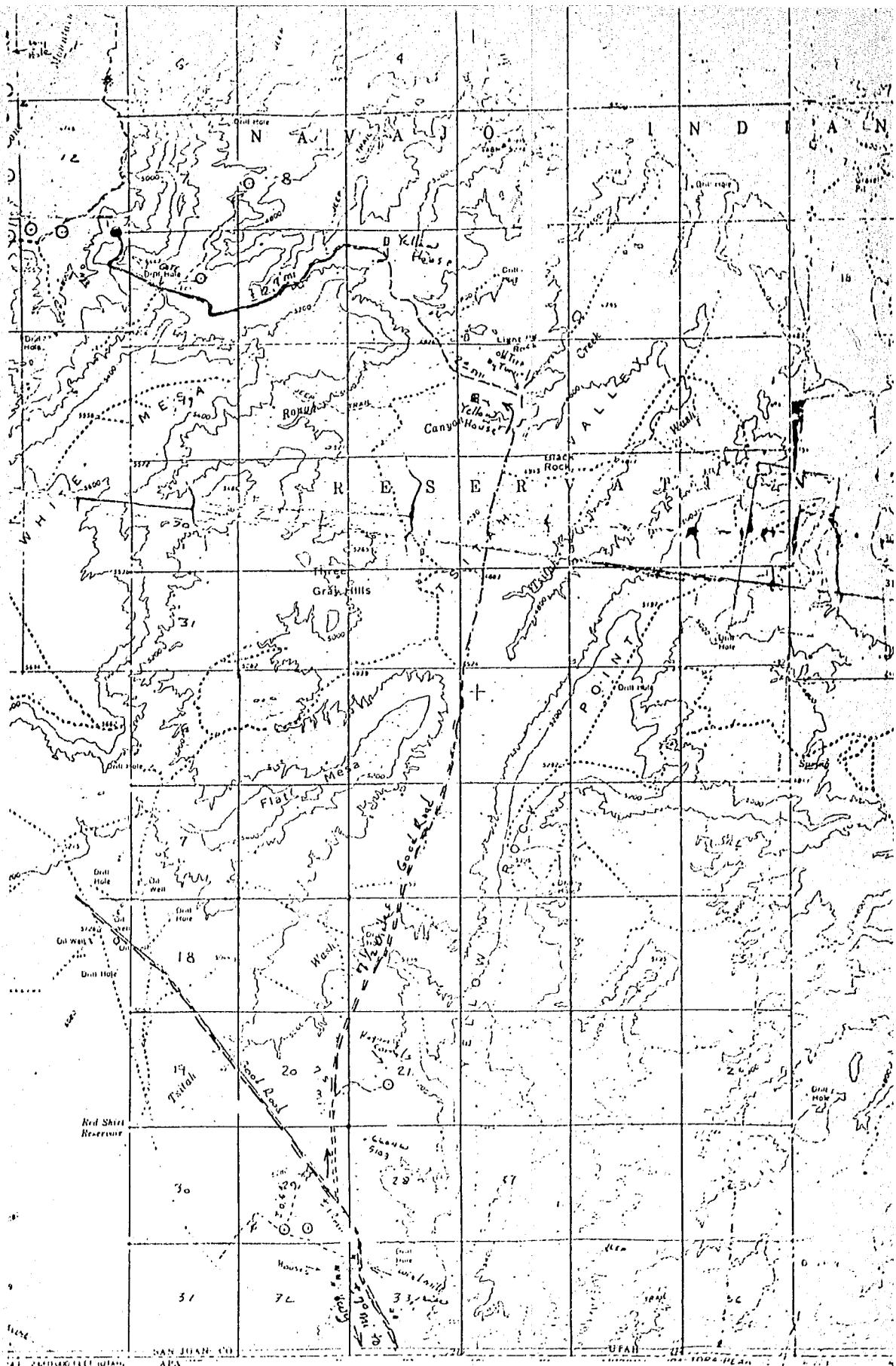
13. John Alexander
CHUSKA ENERGY COMPANY
P. O. Box 2118
Farmington, New Mexico 87499
(505) 326-5255

14. I hereby certify that I, or persons under by direct supervision, have inspected the proposed drillsite 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



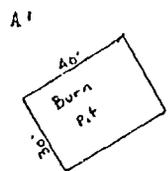
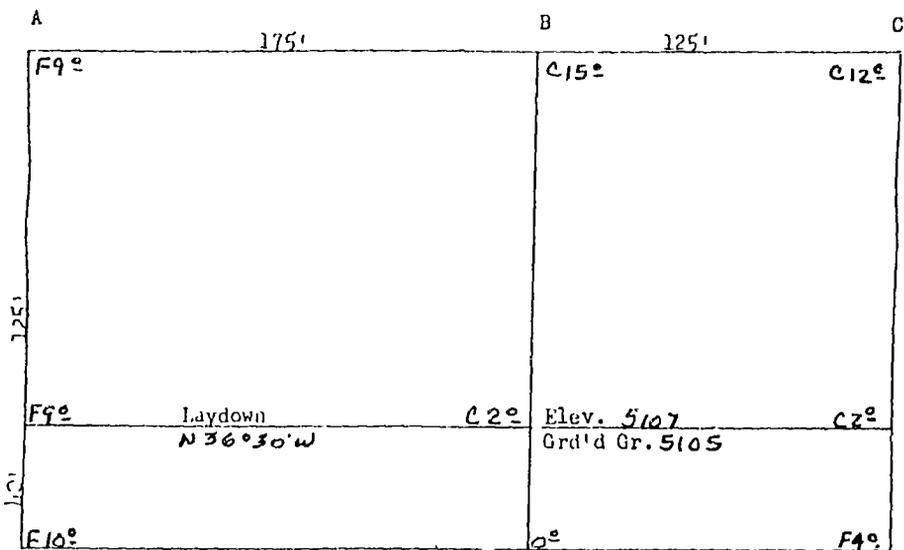
CHUSKA ENERGY CO.
Navajo Tribal NO. 41-13
NE/NE 13-42S-24E
San Juan, Utah



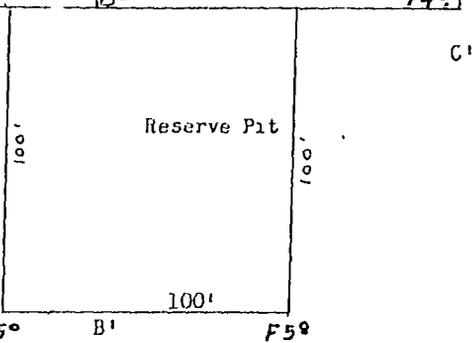
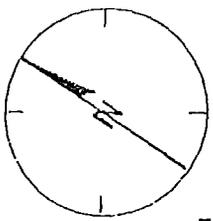
Vicinity Map for
 CHUSKA ENERGY COMPANY #41-13 NAVAJO TRIBAL
 620'FNL 600'FEL Soc. 13-TH2S-#24E
 SAN JUAN COUNTY, UTAH

edited and published by the Geologic
 USGS and the USGS
 by the geologic and the geologic
 the year 1970. Each map is a
 product of the United States
 and is not to be used for any
 purpose other than the one
 for which it was prepared.

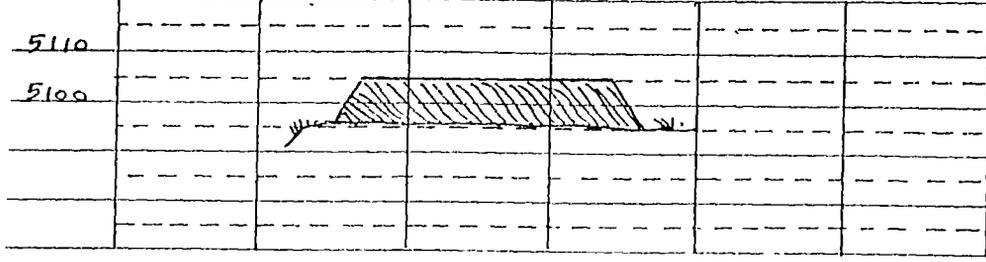
CHUSKA ENERGY COMPANY #11-13 NAVAJO TRIBAL
 620' FNL 60' EL Sec. 13-T42S-R24E
 SAN JUAN COUNTY, UTAH



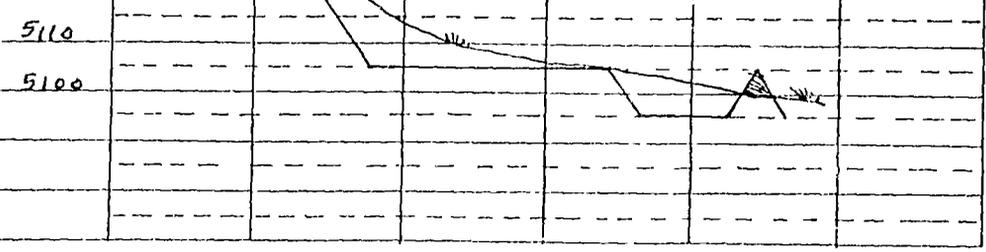
Scale: 1"=50'



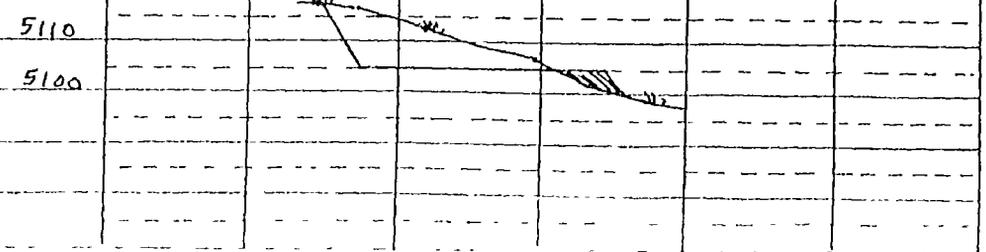
A-A' Vert: 1"=30' Horiz: 1"=100' C/L



B-B' C/L



C-C' C/L



OPERATOR Chuska Energy Co DATE 11-5-85

WELL NAME Narayan Dital 41-13

SEC NE NE 13 T 42S R 24E COUNTY San Juan

43-037-31222
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 water permit

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1- Water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

3. NAME OF OPERATOR
 CHUSKA ENERGY COMPANY

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface: 620' FNL & 600' FEL
 At proposed prod zone: SAME

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 NE NE

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL (Also to nearest dip well if any)
 15. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR ON THIS LEASE FT

8. NO OF ACRES IN LEASE
 5420

9. PROPOSED DEPTH
 6000'

10. NO OF ACRES ASSIGNED TO THIS WELL
 40

11. ROTARY OR CABLE TOOLS
 ROTARY

12. ELEVATIONS (*Show whether DF, RT, GR, etc.)
 5107' GR

13. APPROXIMATE WORK WILL START*
 December 15, 1985

1. LEASE IDENTIFICATION AND SERIAL NO
 NOG 8308-1033

2. IF INDIAN, ALIEN, OR TRIBAL NAME
 NAVAJO

3. UNIT AGREEMENT NAME

4. NAME OF LEASE NAME
 NAVAJO TRIBAL

5. WELL NO
 41-13

6. FIELD AND POOL, OR WILDCAT
 ANETH *Wellcat*

7. SEC. T, R, W, OR BEE, AND SURVEY OR AREA
 13 - 42S - 24E

8. COUNTY OR PARISH
 SAN JUAN

9. STATE
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	HEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80	See Attached
12 1/4	8 5/8	24.0	1600	
7 7/8	5 1/2	15.50	6000	

SEE ATTACHED

RECEIVED
NOV 07 1985

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
 DATE 11/14/85
 BY John R. Dyer
 WELL SPACING C-3(B)

DIVISION OF OIL,
GAS & MINING

24. ANALYZE AND 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.

SIGNER: John Alexander TITLE: Vice-President DATE: 10/30/85
 (This space for Federal or State office use)

PERMIT NO: 43-037-31222 APPROVAL DATE: _____

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

*See Instructions On Reverse Side



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 550 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 14, 1985

Chuska Energy Company
P. O. Box 2113
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal 41-13 - NE NE Sec. 13, T. 42S, R. 24E
620' FNL, 600' FEL - San Juan County, Utah

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 as required by Chapter 3, Title 73, Utah Code Annotated.

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

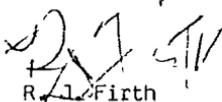
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. 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 41-13
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 43-037-31222.

Sincerely,



R. L. 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 2116
 Farmington, NM 87499

Gentlemen:

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

- ✓ 1. No. 32-18 Navajo Tribal, SW/4SE/4 sec. 18, T. 42 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
2. No. 13-8 Navajo Tribal, NE/4SE/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/4SE/4 sec. 13, T. 42 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 4. No. 3323-2A Navajo Tribal "A", NE/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", NE/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/4NE/4 sec. 21, T. 40 S., R. 25 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033.
- ✓ 7. No. 13-34 Navajo Tribal "A", NE/4SE/4 sec. 34, T. 40 S., R. 24 E., San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1087.
8. No. 44-2B Navajo Tribal "A", SE/4NE/4 sec. 29, T. 42 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 #2 of Oushore 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. Kohn~~

Non Fellow
Area Manager
FOR

8 Enclosures

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

016:JLovato:csh:12/1/86



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

Norman H. Bangertler 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 • 801-538-5240

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 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, T.43S, 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. Bangertler, Governor
 Dee C. Hansen, Executive Director
 Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Trad Center • Suite 350 • Salt Lake City UT 84180 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 41-13, Sec.13, T.42S, R.24E,
San Juan County, Utah, API NO. 43-037-31222

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
 John R. Baza
 Petroleum Engineer

sb
 cc: BLM-Farmington
 D. R. Nielson
 R. J. Firth
 ✓ Well file
 0327T-48

87022-3
 ✓