

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 any State requirements.)*
 At surface 1730' FSL & 1910' FWL
 At proposed prod. zone SAME

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

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.
 23-21

10. FIELD AND POOL, OR WILDCAT
 ANEITH WILDCAT

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 21 - 43S - 25E

12. COUNTY OR PARISH | 13. STATE
 SAN JUAN | UTAH

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

16. NO. OF ACRES IN LEASE
 5420

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 5700'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5085' GR

22. APPROX. DATE WORK WILL START*
 January 15, 1986

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	54.50	80	See Attached
12 1/4	8 5/8	24.0	1600	
7 7/8	5 1/2	15.50	5700	

SEE ATTACHED

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 11/22/85
 BY: John R. Berg
 WELL SPACING: 6-3-0

RECEIVED
 NOV 22 1985
 DIVISION OF OIL
 GAS & MINING

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.

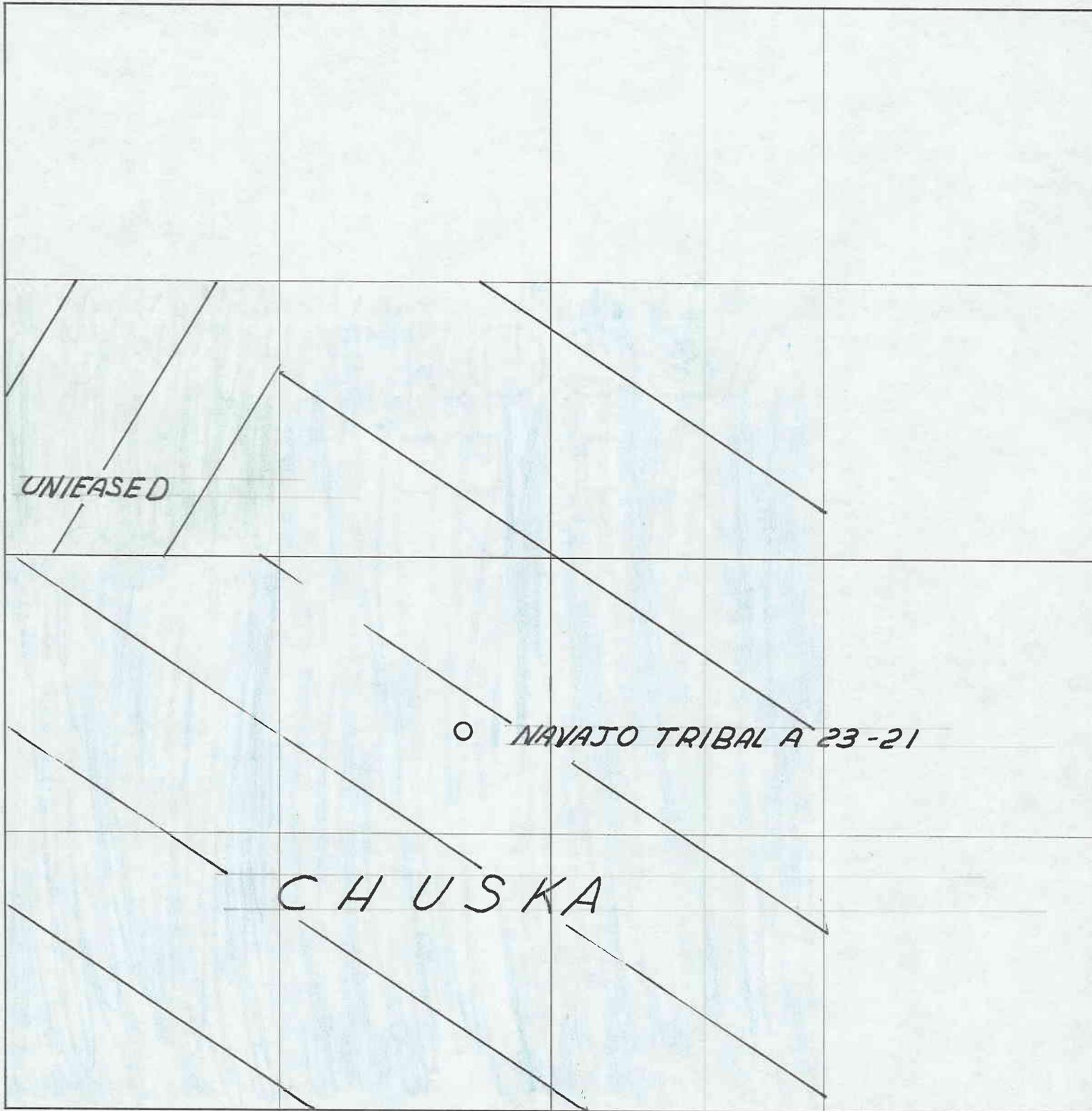
24. SIGNED John Alexander TITLE Vice-President DATE 11/18/85
 JOHN ALEXANDER

PERMIT NO. 43-037-31230 APPROVAL DATE _____

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

*See Instructions On Reverse Side

SECTION 21 TOWNSHIP 43S RANGE 25E COUNTY SAN JUAN STATE UTAH



CHUSKA ENERGY
OFFSET ACREAGE N.T.A #23-21

LEASE NAVAJO TRIBAL A WELL NO. 23-21

SEC. 21 T. 43S R. 25E

County: San Juan State: Utah

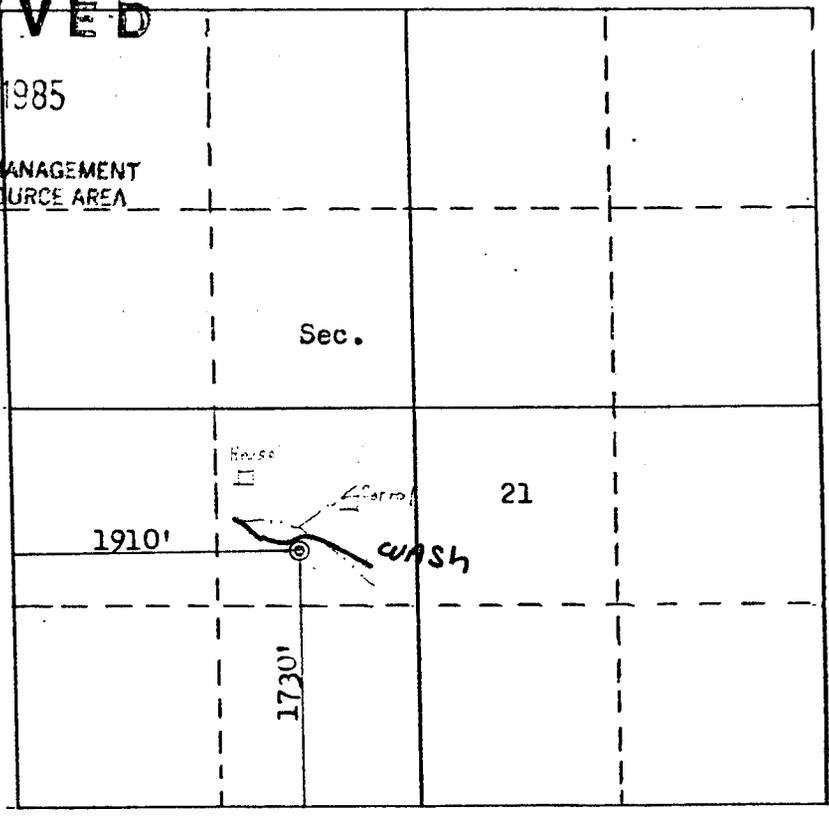
LOCATION 1730'FSL 1910'FWL

ELEVATION 5085 ungraded ground

RECEIVED

NOV 20 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA



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:

Fred B. Kerr Jr.
 Registered Land Surveyor
 Fred B. Kerr Jr.
 #2950
 F. B. KERR, JR.

SURVEYED November 1 .. 85

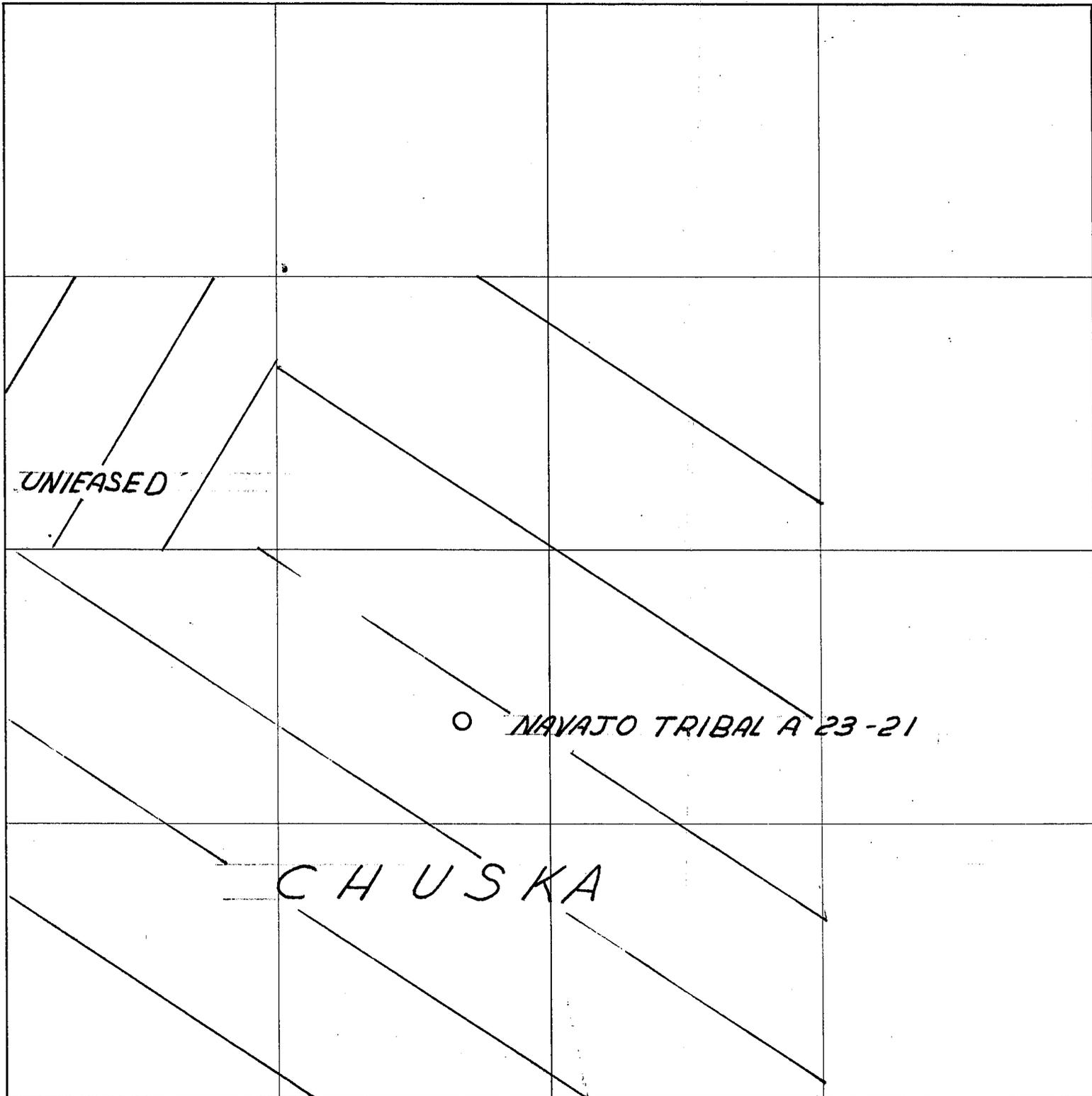
FARMINGTON, N. M.

5070						

C-0'

C/L

SECTION 21 TOWNSHIP 43S RANGE 25E COUNTY SAN JUAN STATE UTAH



CHUSKA ENERGY
OFFSET ACREAGE N.T.A #23-21

LEASE NAVAJO TRIBAL A WELL NO. 23-21

SEC. 2 T. 43S R. 25E

County: San Juan State: Utah

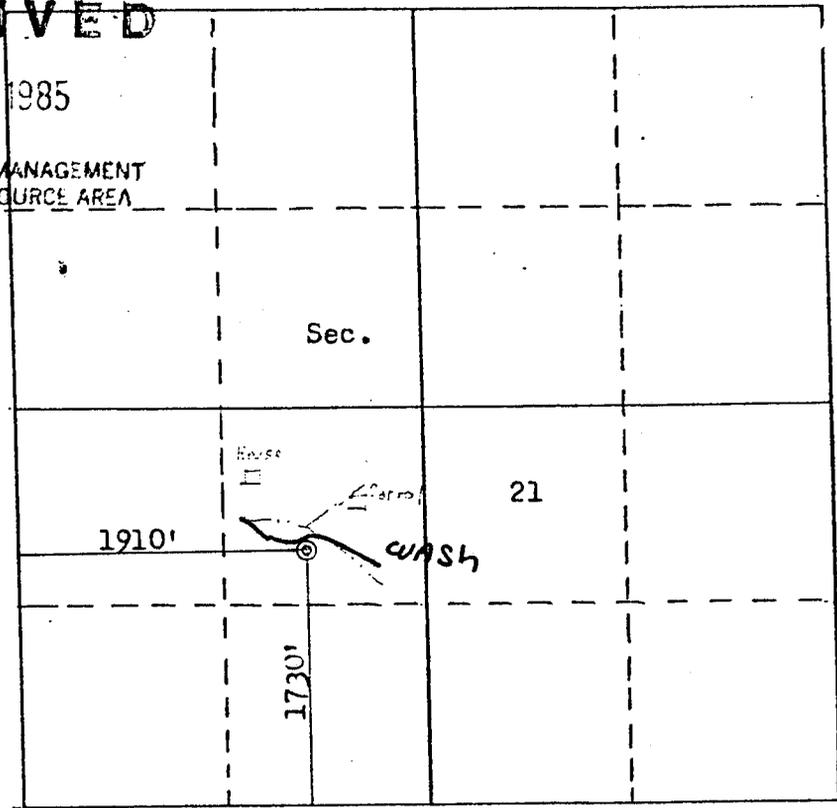
LOCATION 1730'ESL 1910'FWL

ELEVATION 5085 ungraded ground

RECEIVED

NOV 20 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA



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Fred B. Kerr Jr.
 Registered Land Surveyor
 Fred B. Kerr Jr.
 #2950
 F. B. KERR, JR.

SURVEYED November 1 .. 85

FARMINGTON, N. M.

5070					

C-01

C/L

COMPANY CHUSKA ENERGY COMPANY

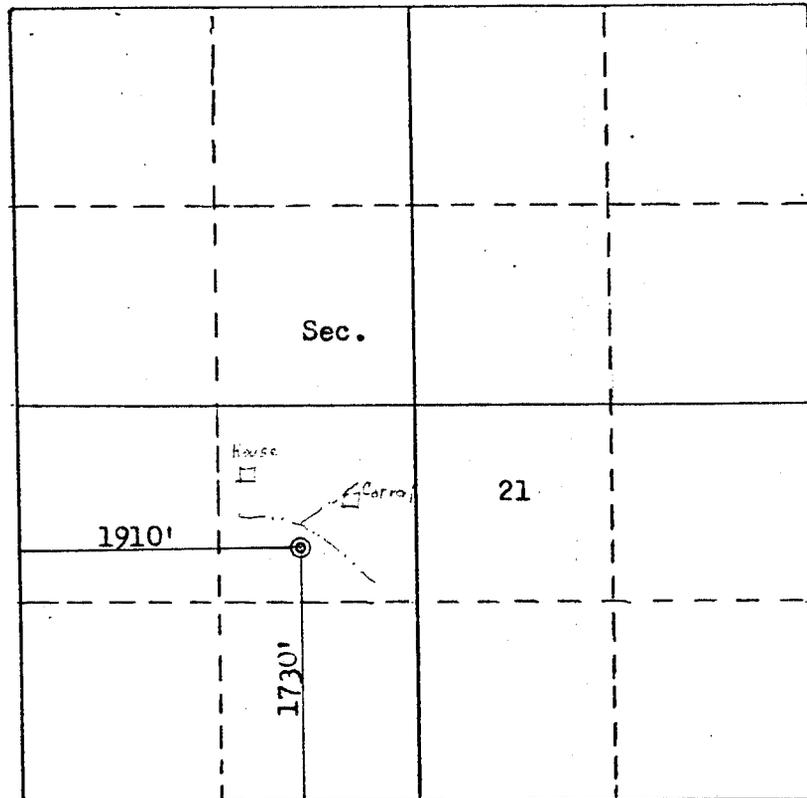
LEASE NAVAJO TRIBAL A WELL NO. 23-21

SEC. 21, T. 43S, R. 25E

County: San Juan State: Utah

LOCATION 1730' FSL 1910' FWL

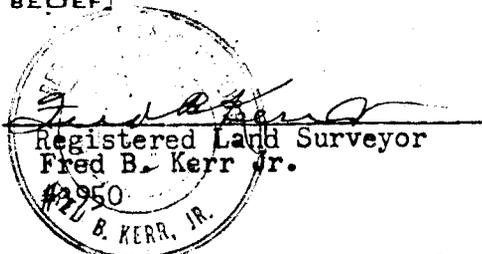
ELEVATION 5085 ungraded ground



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:



SURVEYED November 1 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tribal "A" No. 23-21
1730' FSL & 1910' FWL
Section 21. T43S, R25E
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1617'
DeChelly	2723'
Organ Rock	2997'
Hermosa	4520'
Upper Ismay	5334'
Lower Ismay	5448'
Desert Creek	5548'
T.D.	5700'

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

Oil	5448'
Oil	5700'

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% 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.

0-5700' 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 above tool at 3000'. Cement with 400 cu. ft. Class "B", 4% gel. Cement top at 1500'.

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:

<u>DEPTH</u>	<u>TYPE</u>	<u>VIS.</u>	<u>WEIGHT</u>	<u>FLUID USAGE</u>
0-1600'	Gel-lime	35-45	9.0	Not controlled
1600-4000'	Gel-chem	35-45	9.5	15 cc
4000-5700'	Low solids	45-50	10.0	9 cc

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.

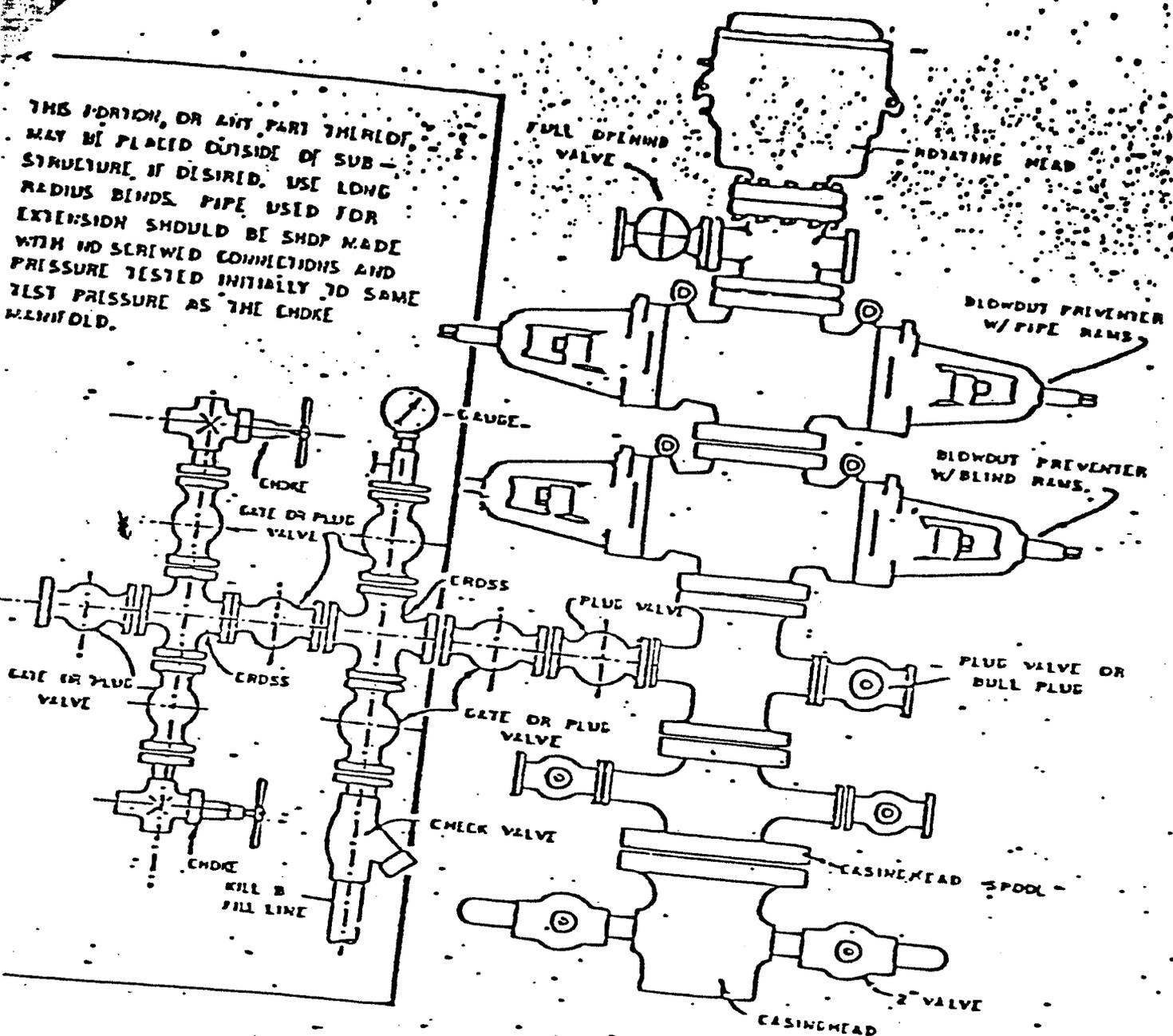
9. Abnormal Temperatures, Pressures or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is January 15, 1986. 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 SHDP MADE WITH HD SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHDKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY COMPANY
Navajo Tribal "A" No. 23-21
1730' FSL & 1910' FWL
Section 21, T43S, 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 East from the existing secondary road approximately 1500 feet to the wellsite. 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, 10 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 landfill 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 of 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:

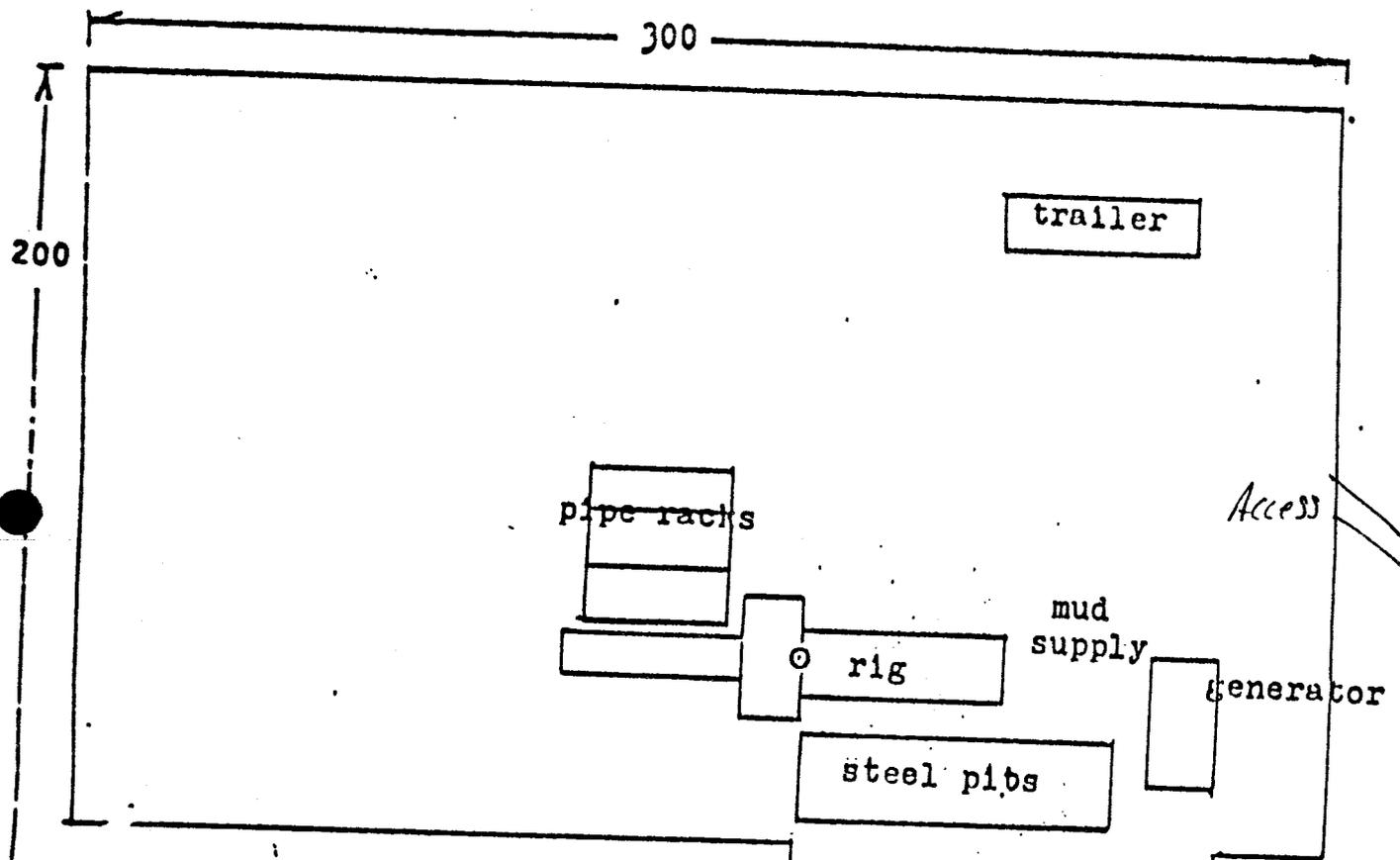
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite 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 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 laction is in the Tsitah Was Area. The area is relatively flat and covered with native weeds and grasses. There is an occupied residence located 800' North of the site.

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 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.

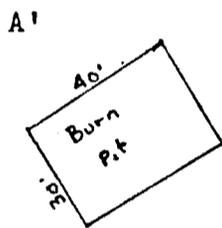
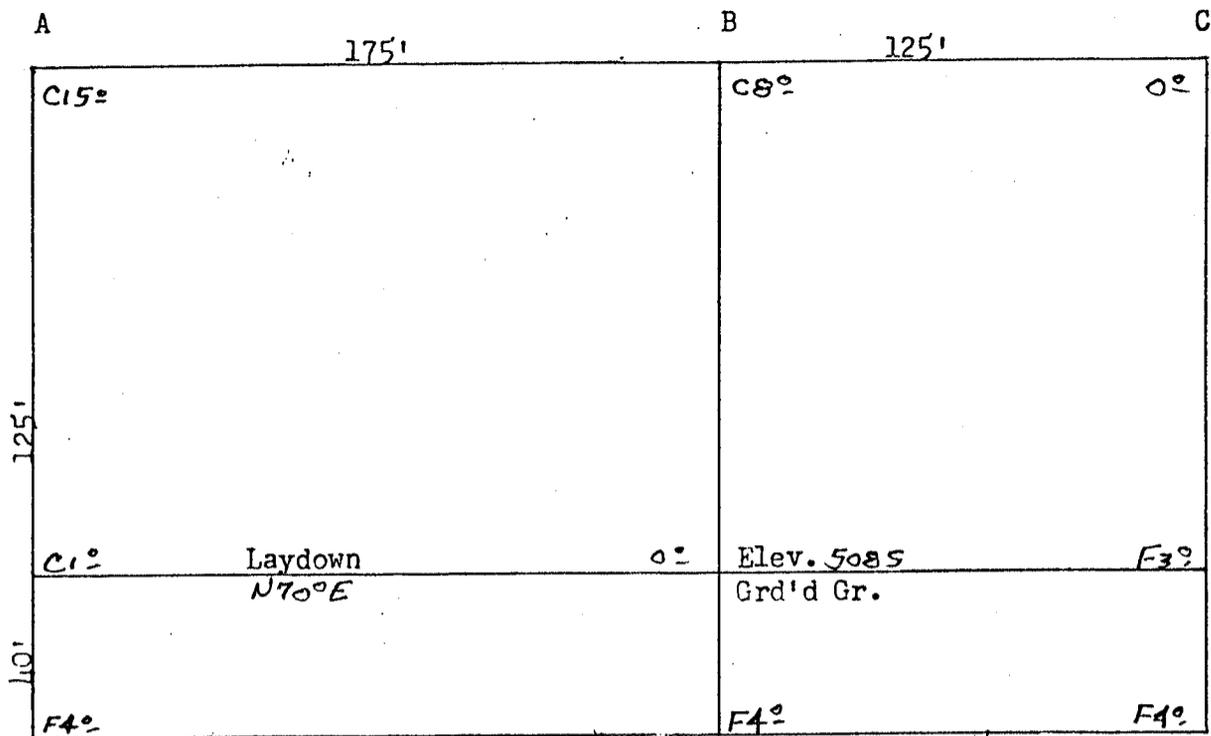

JOHN ALEXANDER
11/18/85



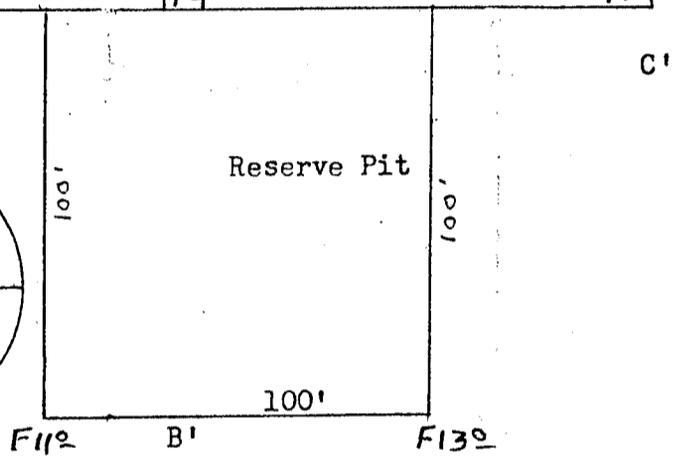
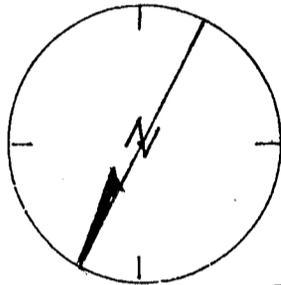
CHUSKA ENERGY CO.
Navajo Tribal A.N.O. 23-21
NE/SW 21-433-23E
San Juan, Utah



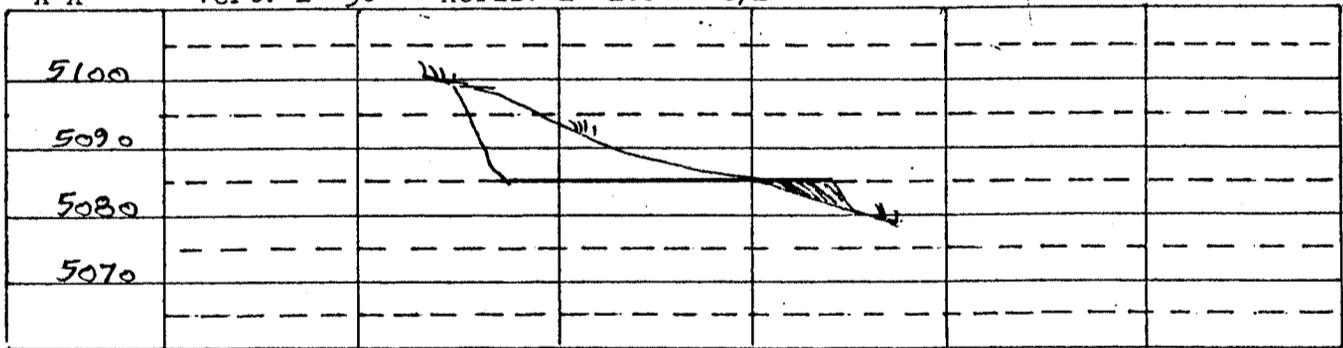
Profile for
 CHUSKA ENERGY COMPANY #23-21 NAVAJO TRIBAL A
 173 SL 1910' FWL Sec. 21-T43S-R25E
 SAN JUAN COUNTY, UTAH



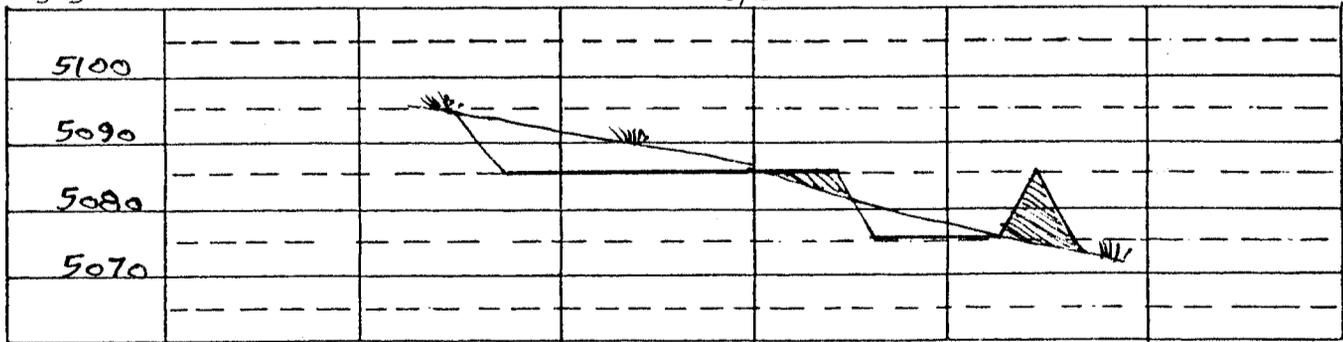
Scale: 1"=50'



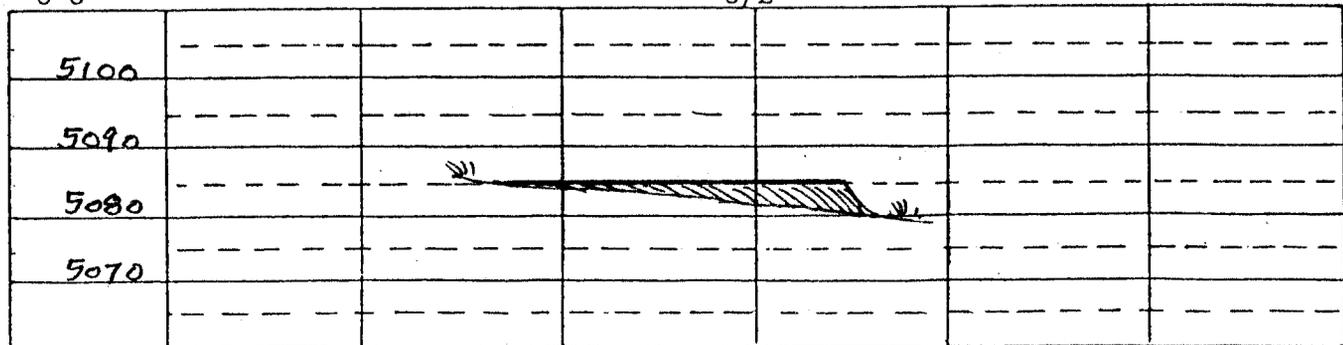
A-A' Vert: 1"=30' Horiz: 1"=100' C/L

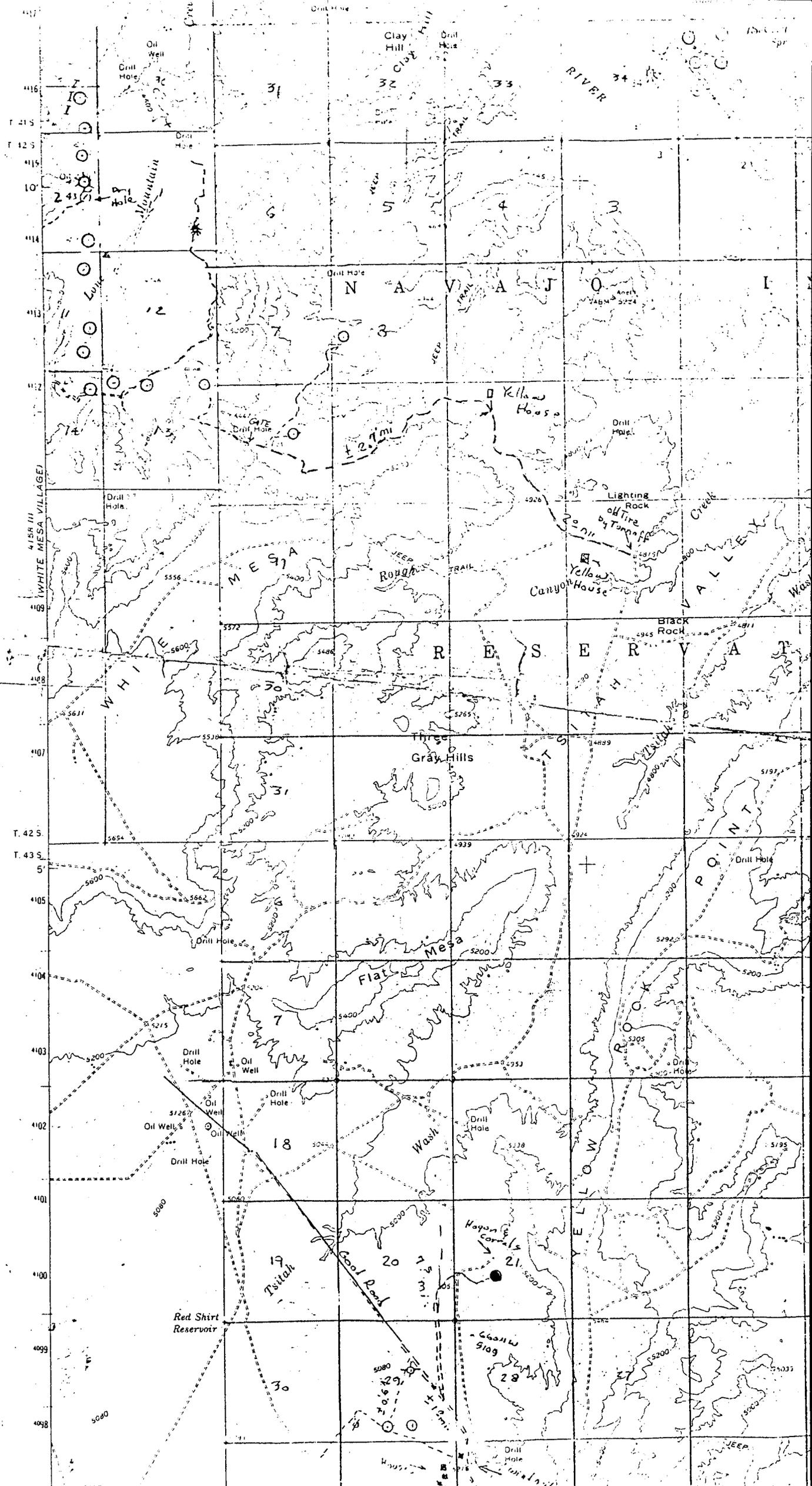


B-B' C/L



C-C' C/L





Vicinity Map for
 CHUSKA ENERGY COMPANY #23-21 NAVAJO TRIBAL A
 1730'FSL 1910'FWL Sec. 21-TH R25E
 SAN JUAN COUNTY, UTAH

5100
 5000

OPERATOR Chuska Energy Co DATE 11-27-85

WELL NAME Mary Isabel "A" 23-21

SEC NE SW 21 T 43S R 25E COUNTY San Juan

43-637-3 1230
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 21.
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 • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 2, 1985

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

Gentlemen:

Re: Well No. Navajo Tribal "A" 23-21 - NE SW Sec. 21, T. 43S, R. 25E
1730' FSL, 1910' FWL - 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. 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" 23-21
December 2, 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 43-037-31230.

Sincerely,



R. L. Firth
Associate Director, Oil & Gas

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31230

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: NAVAJO TRIBAL A 23-21

SECTION NE SW 21 TOWNSHIP 43S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Aztec Well Service

RIG # 301

SPUDDED: DATE 3-17-86

TIME 12:00 Noon

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY John Alexander

TELEPHONE # 505-326-5525

DATE 3-18-86 SIGNED AS

NAME	ACTION CODE (\$)	INTL
NORM		
TAMI	3A	<i>JA</i>
VICKY		
CLAUDIA		
STEPHANE		
CHARLES	1	<i>CP</i>
RULA		
MARY ALICE		
CONNIE		
MILLIE		
PAM	<i>FILE</i>	<i>JK</i>

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P. O. Box 2118, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1730' FSL & 1910' FWL		8. FARM OR LEASE NAME NAVAJO TRIBAL A
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, WT, GR, etc.) 5097' K.B.	9. WELL NO. 23-21
		10. FIELD AND POOL, OR WILDCAT ANETH
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21 - 43S - 25E
		12. COUNTY OR PARISH 18. STATE SAN JUAN UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 5745' t.d. on 3/26/86. Ran open hole logs. Plugged well as follows:

Upper Ismay	5376'-5476'	44 ft. ³	Class "B"
Hermosa	4534'-4634'	60 ft. ³	Class "B"
DeChelly	2661'-2761'	54 ft. ³	Class "B"
Surface Casing	1484'-1584'	44 ft. ³	Class "B"
Surface	0 -50'	18 ft. ³	Class "B"

Set Dry hole marker. Job complete 3/27/86.

RECEIVED
APR 03 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED John Alexander TITLE Vice-President DATE 3/28/86
(This space for Federal or State office use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4-7-86
John R. Davis

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Chuska Energy Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2118, Farmington, New Mexico 87499</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1730' FSL & 1910' FWL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME NAVAJO TRIBAL A</p> <p>9. WELL NO. 23-21</p> <p>10. FIELD AND POOL, OR WILDCAT ANETH</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21 - 43S - 25E</p> <p>12. COUNTY OR PARISH 13. STATE SAN JUAN UTAH</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5097' K.B.</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input checked="" type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(Other)	<input type="checkbox"/>		
(Other)	<input type="checkbox"/>						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move in Aztec Well Service Rig #301. Spud 17 1/2" hole at 1200 hrs. 3/17/86. Drilled to 374'. Ran 13 3/8" 54.50 lb./ft. casing to 72'. Cemented with 148 ft. Class "B", 3% Ca Cl₂, 1/4 lb. D-29/Sk. Cement returned to surface.

Job complete 3/17/86.

RECEIVED
APR 03 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED John Alexander TITLE Vice-President DATE 3/27/86
John Alexander

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Chuska Energy Co.
P.O Box 2118
Farmington, N.M 87499

RECEIVED
APR 10 1986

Division of Oil, Gas, and Mining
355 W. North Temple, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Attention: District Engineer

Re: Unorthodox Location, Chuska Energy Navajo Tribal A No. 23-21

Gentlemen:

Chuska Energy Co. requests an unorthodox location for the subject well at 1730' FSL & 1910' FWL, 21-43S-25E San Juan Co., Utah. The request is made because of topography.

The drilling tracts offsetting this location either belong to Chuska or are not leased.

A map showing the topographic restrictions and a plat of the offset acreage is attached.

Sincerely,

John Alexander
John Alexander

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

DATE: 4-14-86
BY: *John R. Day*

Chuska Energy Co.
P.O Box 2118
Farmington, N.M 87499

RECEIVED
APR 10 1986

W.P.A.
4.28.86

Division of Oil, Gas, and Mining
355 W. North Temple, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Attention: District Engineer

Re: Unorthodox Location, Chuska Energy Navajo Tribal A No. 23-21

4303731230

Gentlemen:

Chuska Energy Co. requests an unorthodox location for the subject well at 1730' FSL & 1910' FWL, 21-43S-25E San Juan Co., Utah. The request is made because of topography.

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A map showing the topographic restrictions and a plat of the offset acreage is attached.

Sincerely,

John Alexander
John Alexander

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

DATE: 4-14-86
BY: John R. Day

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other _____

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 any State requirements)*
At surface 1730' FSL & 1910' FWL
At top prod. interval reported below SAME
At total depth SAME

14. PERMIT NO. 43-037-31230 DIVISION OF OIL, GAS & MINING

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.

23-21

10. FIELD AND POOL, OR WILDCAT

ANETH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

21 - 43S - 25E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

15. DATE SPUNDED 3/17/86 16. DATE T.D. REACHED 3/26/86 17. DATE COMPL. (Ready to prod.) P&A 3/27/86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5097' 19. ELEV. CASINGHEAD 5086'

20. TOTAL DEPTH, MD & TVD 5745' 21. PLUG, BACK T.D., MD & TVD P & A 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5745 CABLE TOOLS 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* P & A 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, CNL-FDC, GR, SP, Caliper 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.5	72	17 1/2	148 cu.ft. "B", 3%CaCl ₂	None
8 5/8	24.0	1522	12 1/4	810 cu.ft. 65-35 Poz, 6% gel; 295 cu.ft. "B", 2% CaCl ₂	None
(cement to surface both strings)					

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33. P & A 3/27/86 PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) _____

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

860620 CP

SIGNED John Alexander TITLE Vice-President DATE 4/22/86

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED
APR 25 1986

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Navajo Tribal A 23-21
 Operator Chuska Energy Co. Address P. O. Box 2118, Farmington, NM 87499
 Contractor Aztec Well Service Address P. O. Box 100, Aztec, NM 87410
 Location NW 1/4 SE 1/4 Sec. 21 T. 43S R. 25E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	NONE			
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

<u>Formation Tops</u>	Chinle	1450'	Upper Ismay	5418'
	DeChelly	2726'	Lower Ismay	5531'
	Organ Rock	3014'	Gothic Shale	5583'
<u>Remarks</u>	Hermosa	4598'	Desert Creek	5614'

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.