

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 Co.

3. ADDRESS OF OPERATOR
 c/o 3E Co. Inc., Box 190 Farmington, NM 87499

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

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

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 5120

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 5950

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5004' GL

22. APPROX. DATE WORK WILL START* September 1, 1984

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.
 44-21

10. FIELD AND POOL, OR WILDCAT
 Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 21, 40S, 25E

12. COUNTY OR PARISH San Juan

13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	500	See attached cement information
7 7/8	5 1/2	15.5	5950	

RECEIVED
 JUL 16 1984
 DIVISION OF OIL
 GAS & MINING

SEE ATTACHED

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 7/20/84
 BY: John R. Bays

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 Agent DATE July 11, 1984
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

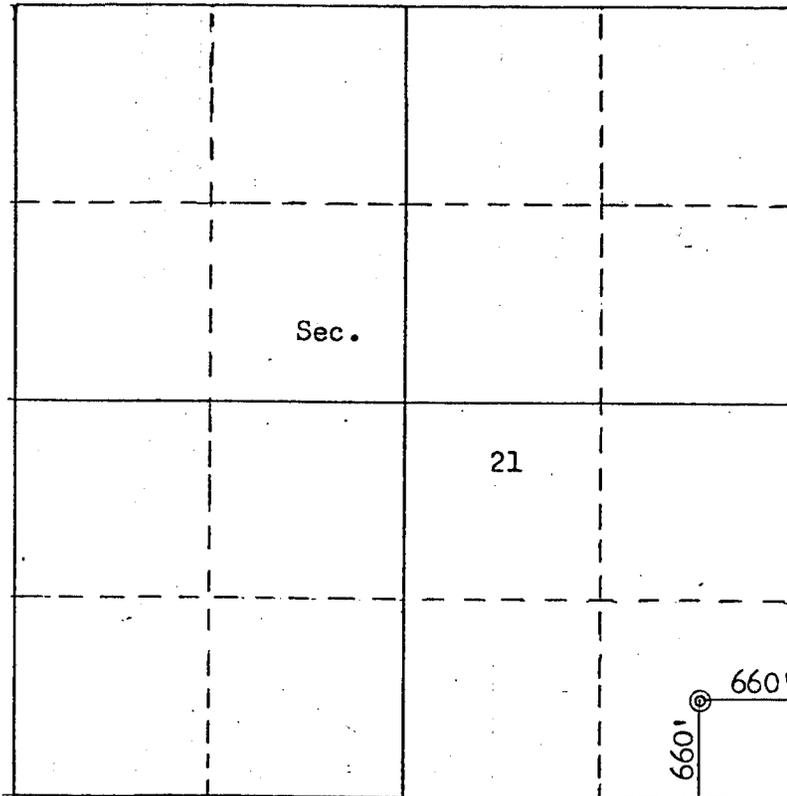
COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL WELL NO. 44-21

SEC. 21, T. 40S, R. 25E
San Juan County, Utah

LOCATION 660'FSL 660'FEL

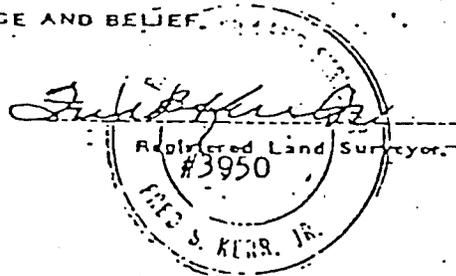
ELEVATION 5004 ungraded ground



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 SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED

May 22

1984

SURFACE USE PLAN

CHUSKA ENERGY CO.
Navajo Tribal No. 44-21
660' FSL and 660' FEL
Sec 21, 40S, 25E
San Juan Co., 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 an existing location.

2. Planned Access Road (shown in red)

The new access road will run North from the existing dirt road approximately 500' 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, 8 miles south 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.

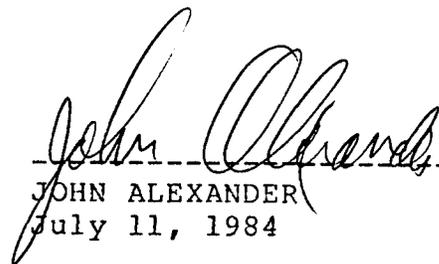
11. Plans for Restoration of Surface

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 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 location is 1 mile southeast of Hovenweep Monument. The area is flat and covered with Native weeds and grasses. No artifacts were found at the site. There are no residences in the area.

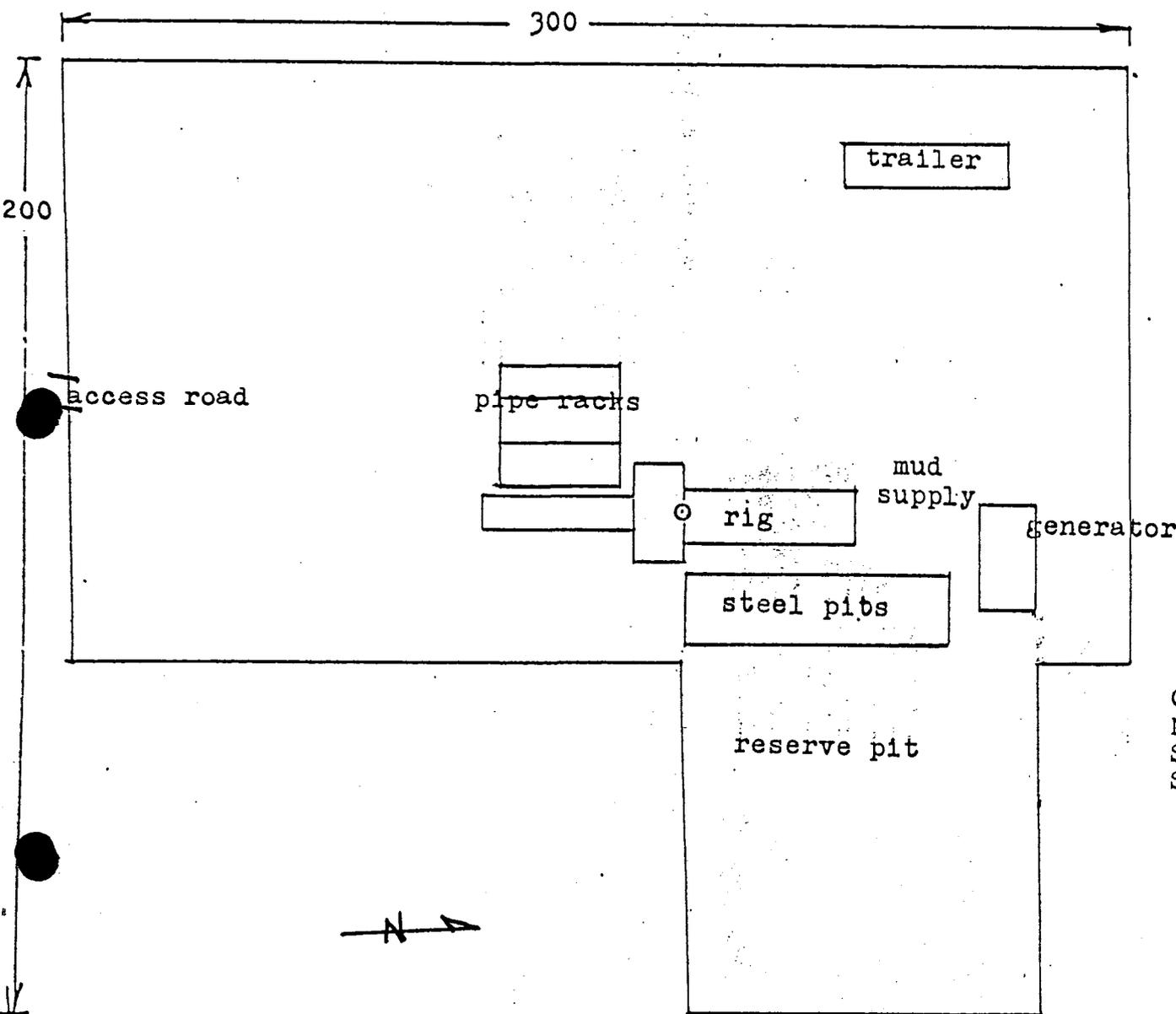
13. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87499
Phone: 505-326-1135

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 Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



JOHN ALEXANDER
July 11, 1984

JA:kj



CHUSKA ENERGY CO.
Navajo Tribal 44-21
SE/4 21-40S-25E
San Juan, Utah

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 44-21
660' ESL and 660' FEL
Sec 21, 40S, 25E
San Juan Co., Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Dechelly	2890'
Organ Rock	2980'
Hermosa	4740'
Upper Ismay	5645'
Lower Ismay	5745'
Desert Creek	5830'
T. D.	5950'

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

Oil	5745'
Oil	5830'

4. Proposed Casing Program:

0-500' 8 5/8", 24 lb/ft, ST & C K-55 new casing; cement with 300 cubic feet Class "B" + 2% CaCl₂. Cement will be brought to surface.

0-5950'T.D. 5 1/2", 15.5 lb/ft, ST & C, K-55 new casing; cement with 450 cubic feet 50-50 poz mix + 2% CaCl₂ + 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:

<u>DEPTH</u>	<u>TYPE</u>	<u>VIS.</u>	<u>WEIGHT</u>	<u>FLUID LOSS</u>
500-4000'	Gel-chem	35-45	9.5	15cc
4000-5950'	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

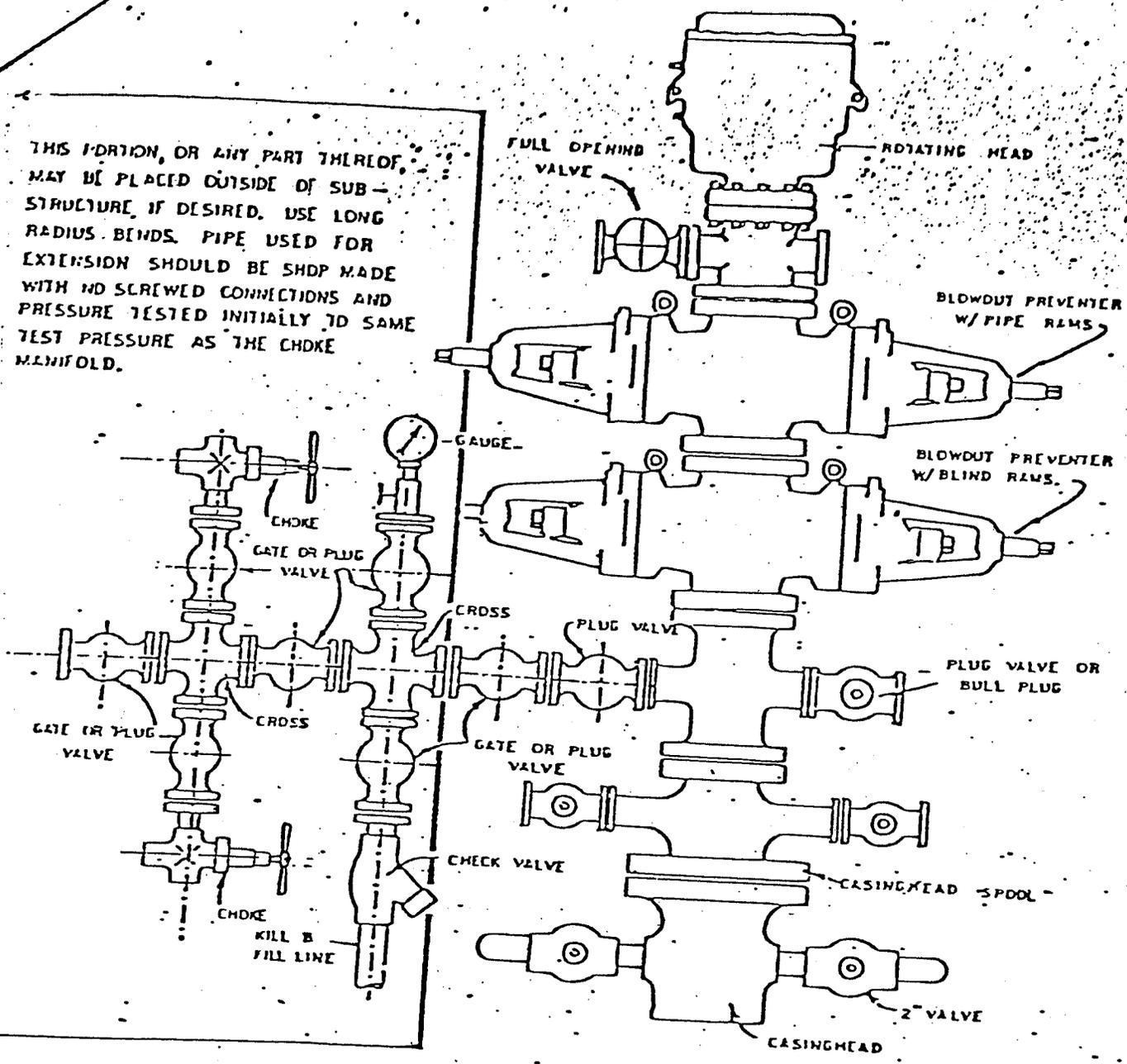
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

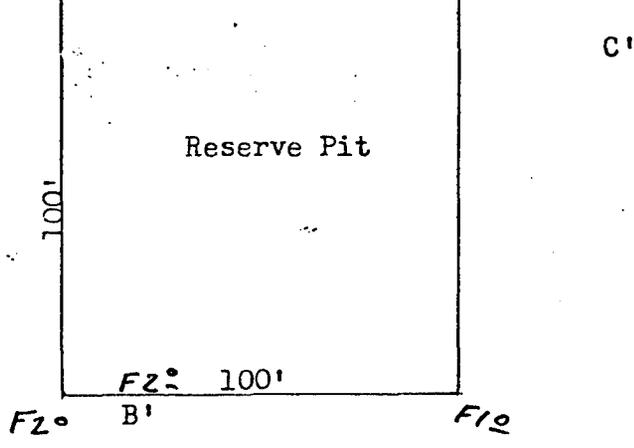
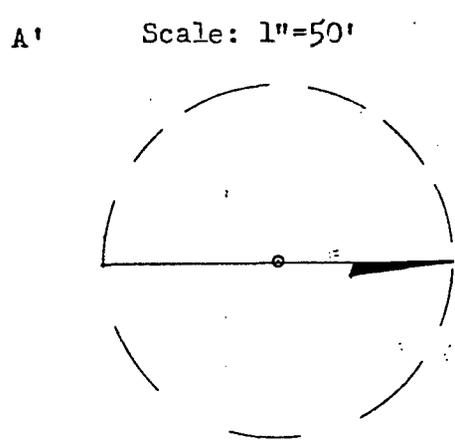
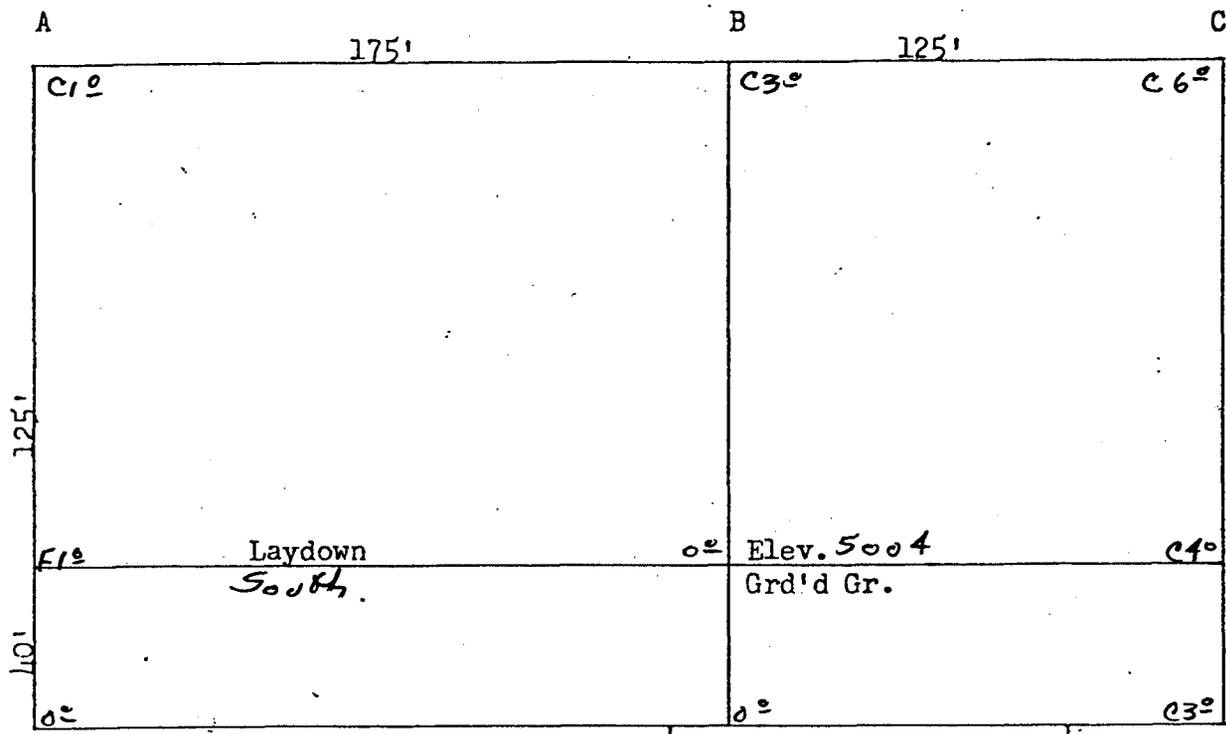
Anticipated starting date is September 1, 1984. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

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 NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHDKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

Profile for
 CHURCH ENERGY COMPANY #44-21 NAVAJO TRIBAL
 660 SL 660' FEL Sec. 21-T4OS-R25E
 SAN JUAN COUNTY, UTAH



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

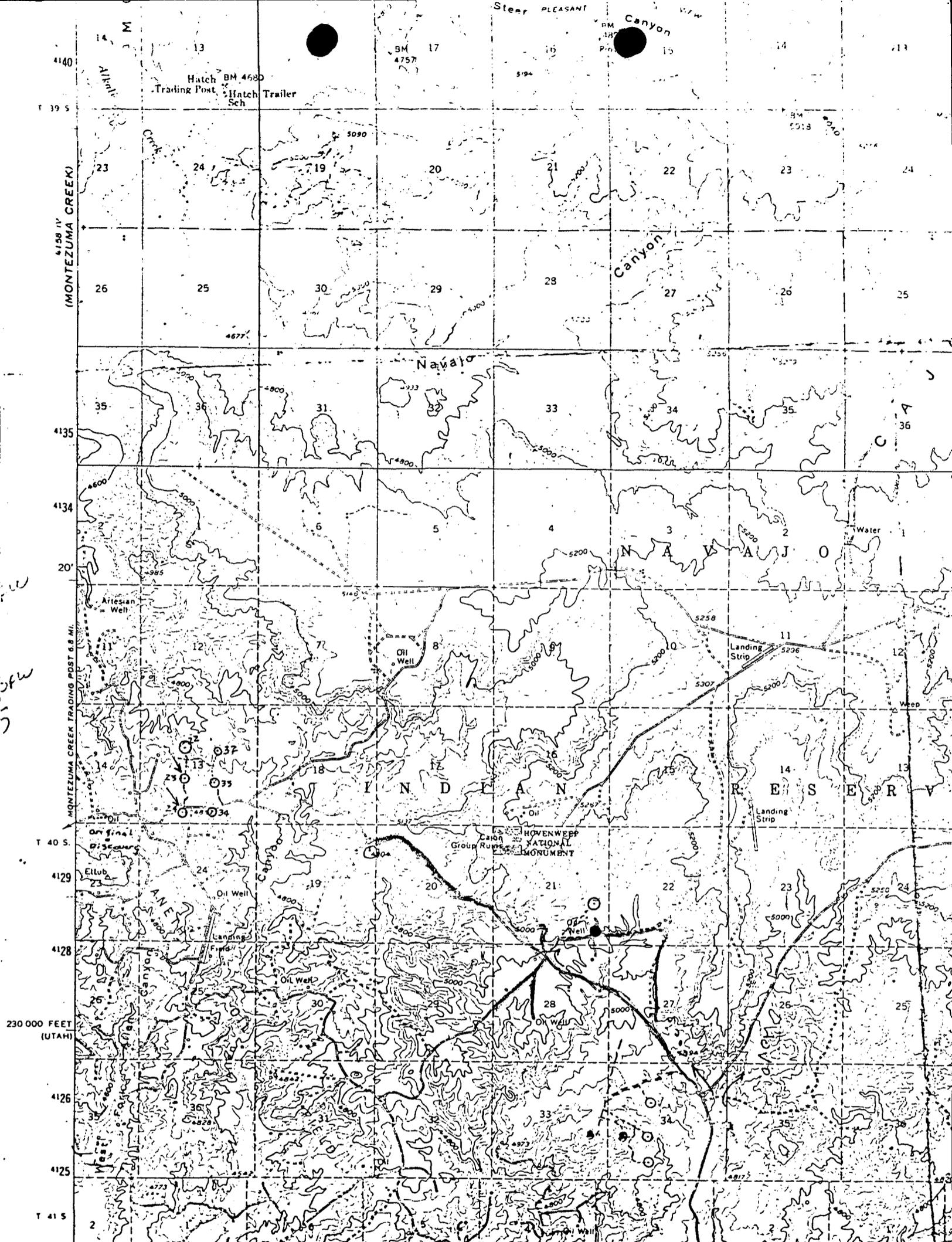
5010					
5000					

B-B' C/L

5010					
5000					

C-C' C/L

5010					
5000					



Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography from aerial photographs by photogrammetric methods
 Aerial photographs taken 1955. Field check 1958
 Polyconic projection 1927 North American datum
 10,000 foot grids based on Utah coordinate system, south zone
 and Colorado coordinate system, south zone
 1000 meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue
 Dashed land lines indicate approximate locations
 Unchecked elevations are shd

0° 29' 17 MILS
 144° 758 MILS

SCALE 1:62,500
 0 3000 6000 9000 12000
 0 1 2
 CONTOUR INTERVAL 40 FEET
 DATUM IS MEAN SEA LEVEL

Vicinity Map for
CHUSKA ENERGY COMPANY #44-21 NAVAJO TRIBAL
660'FSL 660'FEL Sec. 21-T40S-R25E
SAN JUAN COUNTY, UTAH

THIS MAP COMPLIES WITH NATIONAL MAP ACT
 S. GEOLOGICAL SURVEY, DENVER 25, COLORADO
 DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS

OPERATOR Chuska Energy DATE 7-19-84

WELL NAME Navajo Tribal #44-21

SEC SESE 21 T 40S R 25E COUNTY San Juan

43-037-31038
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other wells within 1000'
Need water permits

APPROVAL LETTER:

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

c-3-b c-3-c

SPECIAL LANGUAGE:

1 - Water
2 - "Blowout prevention equipment ^{with a} minimum of 3000 psi working pressure should be used after drilling out of 8 3/4" casing."

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 20, 1984

Chuska Energy Company
c/o 3E Company, Inc.
P. O. Box 190
Farmington, New Mexico 87499

RE: Well No. Navajo Tribal 44-21
660' FSL, 660' FEL
SESE Sec. 21, T. 40S, R. 25E
San Juan County, Utah

Gentlemen:

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.
2. Blowout prevention equipment with a minimum of 3000 psi working pressure should be used after drilling out of 8 5/8" casing.

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 OCC-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. Haza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or K. 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

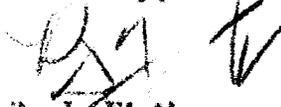
Well No. Navajo Tribal 44-21

July 20, 1984

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 43-037-31038.

Sincerely,



R. J. Firth

Associate Director, Oil & Gas

RJF/as

cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Enclosures

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31038

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: Navajo Tribal #44-21

SECTION SESE 21 TOWNSHIP 40S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Young

RIG # 5

SPUDDED: DATE 9-18-84

TIME 3:00 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY John Alexander (3E Company)

TELEPHONE # _____

DATE 9-19-84 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

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

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.
44-21

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
21-40S-25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug a well to a surface test hole.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

OCT 01 1984

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Co.

3. ADDRESS OF OPERATOR
c/o 3E Company PO Box 190 Farmington, NM 87499

DIVISION OF OIL
GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 660' FSL 660' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5004 G.L.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Confidential Status

(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.)*

Consider all reports on this well as confidential.

✓ 10/6/84 — John Alexander
P & A, BLM instructions
OK, At. of Ut, RJP.

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

SIGNED

John Alexander

TITLE

Agent

DATE

9-24-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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.)

RECEIVED
OCT 01 1984

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.

44-21

10. FIELD AND POOL, OR WILDCAT

Aneth

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

21-40S-25E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3E Co. PO Box 190 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 660' FSL 660' FEL

At Total Depth: Same

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5004' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(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.)*

Young Drilling Co Rig #5 spudded at 1500 hours 9-18-84. Ran 8 5/8" 24lb casing to 449'. Cemented with 348 cu.ft. Class "B", 2% CaCl2, 1/4 lb Flocele per sack. Maintained full circulation throughout job, with 146 cu.ft. circulated to surface. Job complete at 0330 hours 9-20-84.

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

SIGNED

John Alexander
John Alexander

TITLE Agent

DATE 9-25-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CONFIDENTIAL
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.)		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. 44-21
10. FIELD AND POOL, OR WILDCAT Aneth		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 21-40S-25E
12. COUNTY OR PARISH San Juan	13. STATE Utah	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5016' KB	

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 checked="" 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"/>	

(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.)*

The operator, Chuska Energy Co., intends to plug and abandon the Navajo Tribal No. 44-21 on October 6, 1984. The Class B cement plugs are to be spotted through open ended 4 1/2" drill pipe as follows:

Interval	Cu. Ft. Cement	Formation
5633-5733	35	Across Upper Ismay top
4704-4804	46	Across Hermosa top
2840-2940	47	Across De Chelly top
1012-1112	47	Across Navajo top
399-499	47	Across surface casing shoe
0-50	24	Plug at surface

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

SIGNED Bret D. Cook TITLE Agent DATE 10-8-84
(This space for Federal or State office use)

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

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

*See Instructions on Reverse Side
 BY: John R. Bay DATE: 10/13/84

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.

CONFIDENTIAL UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved. Budget Bureau No. 42-R355.5

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. 44-21
10. FIELD AND POOL, OR WILDCAT Aneth
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 21-T40S-R25E

RECEIVED

OCT 11 1984

DIVISION OF OIL GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [] DRY [X]

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. []

2. NAME OF OPERATOR - Chuska Energy Co.

3. ADDRESS OF OPERATOR c/o 3E Company, PO Box 190 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL & 660' FEL SESE
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 43-037-31038 DATE ISSUED 17-20-84

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 9-18-84 16. DATE T.D. REACHED 10-2-84 17. DATE COMPL. (Ready to prod.) Plugged 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5016' KB 19. ELEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 6008' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-6008 ROTARY TOOLS CABLE TOOLS

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

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, EDC, CNL, GR 27. WAS WELL CORED No

CONFIDENTIAL

Table with 5 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Row 1: 8 5/8, 24, 449', 12 1/4, 348 Cu. Ft. Class "B" + 2% CaCl2, 1/4 lb Flocele per sack, NONE

Table with 2 main sections: LINER RECORD and TUBING RECORD. LINER RECORD columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD). TUBING RECORD columns: SIZE, DEPTH SET (MD), PACKER SET (MD). Row 1: N/A, N/A

Table with 2 main sections: PERFORATION RECORD and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. PERFORATION RECORD columns: INTERVAL, SIZE AND NUMBER. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Row 1: NONE, NONE

Table with 2 main sections: PRODUCTION and FLOW, TUBING PRESS. PRODUCTION columns: DATE FIRST PRODUCTION, PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump), WELL STATUS (Producing or shut-in). FLOW, TUBING PRESS. columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO.

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. SIGNED Bret D. Cook TITLE Agent DATE 10-8-84

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS																																					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.																																				
Lower Ismay	5810	5764	<p style="text-align: center;">DST #1 Test Results</p> <p>First Flow 15min. 162-270 psi First SI 30min. 2156 psi Second Flow 60min. 297-527psi Second SI 120min. 2155 psi</p> <p style="text-align: center;">Fluid Recovery</p> <p>372' Oil-cut mud 738' Water</p>																																				
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">NAME</th> <th style="width: 25%;">MEAS. DEPTH</th> <th style="width: 25%;">TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Navajo</td> <td>1062</td> <td></td> </tr> <tr> <td>Chinle</td> <td>1734</td> <td></td> </tr> <tr> <td>De Chelly</td> <td>2890</td> <td></td> </tr> <tr> <td>Organ Rock</td> <td>2975</td> <td></td> </tr> <tr> <td>Hermosa</td> <td>4754</td> <td></td> </tr> <tr> <td>Upper Ismay</td> <td>5683</td> <td></td> </tr> <tr> <td>Lower Ismay</td> <td>5781</td> <td></td> </tr> <tr> <td>Gothic Shale</td> <td>5832</td> <td></td> </tr> <tr> <td>Desert Creek</td> <td>5870</td> <td></td> </tr> <tr> <td>Chimney Rock</td> <td>5979</td> <td></td> </tr> <tr> <td>T.D.</td> <td>6008</td> <td></td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	Navajo	1062		Chinle	1734		De Chelly	2890		Organ Rock	2975		Hermosa	4754		Upper Ismay	5683		Lower Ismay	5781		Gothic Shale	5832		Desert Creek	5870		Chimney Rock	5979		T.D.	6008	
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Confidential
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

RECEIVED

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.)

OCT 11 1984

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

**DIVISION OF OIL
GAS & MINING**

3. ADDRESS OF OPERATOR
c/o 3E Co., P.O. Box 190, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 660' FSL & 660' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5016' KB

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.

44-21

10. FIELD AND POOL, OR WILDCAT

Aneth

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

Sec 21-T40S-R25E

12. COUNTY OR PARISH

San Juan

13. STATE

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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)*

The operator, Chuska Energy Co. has plugged and abandoned the Navajo Tribal No. 44-21 on October 6, 1984. Ran 4 1/2" drill pipe open ended and spotted class B plugs as follows:

Interval	Cu. Ft. Cement	Formation
5633-5733	35	Across Upper Ismay top
4697-4797	46	Across Hermosa top
2836-2936	47	Across De Chelly top
1029-1129	47	Across Navajo top
408-508	47	Across surface
0-50	24	Plug at surface

Dry hole marker was set.

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

SIGNED

Bret D. Cook

TITLE

Agent

DATE

10-8-84

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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

*See Instructions on Reverse Side.

DATE

10/18/84

BY:

John R. Bump

RECEIVED

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

OCT 11 1984

DIVISION OF OIL
GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Navajo Tribal 44-21

Operator Chuska Energy Co. Address c/o 3E Co. POB 190, Farmington, N.M

Contractor Young Drilling Co. Address POB 717, Farmington, N.M 87499

Location SE 1/4 SE 1/4 Sec. 21 T. 40S 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 encountered		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops

Navajo 1062	Upper Ismay 5683
Chinle 1734	Lower Ismay 5781
DeChelly 2890	Gothic Shale 5832
Organ Rock 2975	Desert Creek 5870
Hermosa 4754	

Remarks

- 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.