

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
 590' FNL & 2075' FWL
 At proposed prod. zone
 SAME

RECEIVED

NE NW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 NOV 04 1985

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 DIVISION OF OIL GAS & MINING

16. NO. OF ACRES IN LEASE
 5420
 19. PROPOSED DEPTH
 5875

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 5875

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4927' GR

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

20. ROTARY OR CABLE TOOLS
 ROTARY

22. APPROX. DATE WORK WILL START*
 December 30, 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	54.50	80	See Attached
12 1/4	8 5/8	24.0	1600	
7 7/8	5 1/2	15.50	5875	

SEE ATTACHED

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

DATE: 11/13/85
 BY: John R. B...
 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.

24. SIGNED John Alexander TITLE Vice-President DATE 10/30/85
 JOHN ALEXANDER

PERMIT NO. 43-037-31214 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

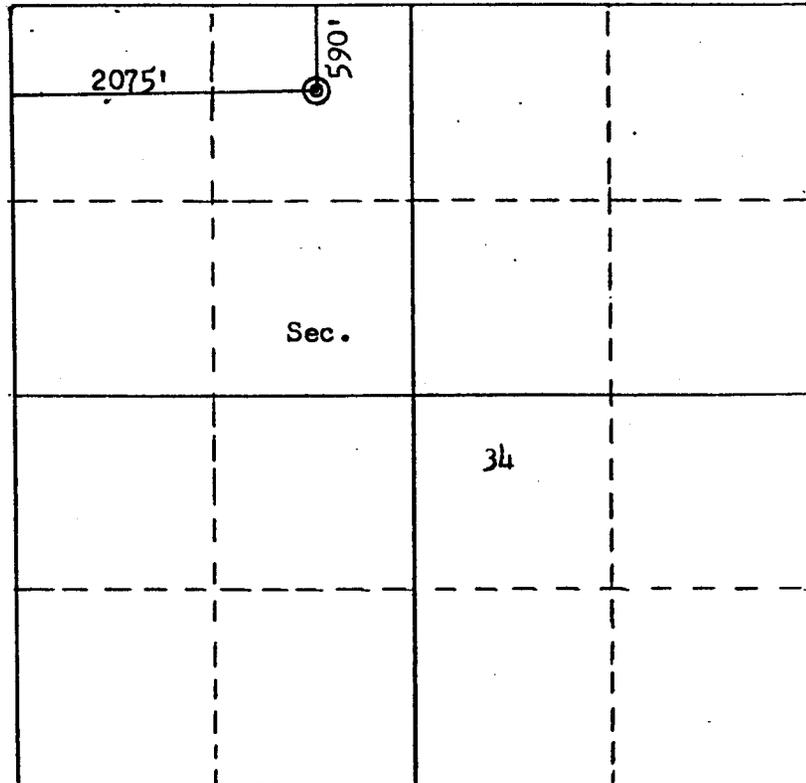
LEASE NAVAJO TRIBAL A WELL NO. 21-34

SEC. 34, T. 40S, R. 25E

County: San Juan State: Utah

LOCATION 590' FNL 2075' FWL

ELEVATION 4927 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 October 21 1985

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tribal A No. 21-34
590' FNL & 2075' FWL
Section 34, T40S, R25E
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1575'
DeChelly	2753'
Organ Rock	2878'
Hermosa	4639'
Upper Ismay	5547'
Lower Ismay	5642'
Desert Creek	5732'
T.D.	5875'

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

Oil	5642'
Oil	5732'

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.

0-5875' 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 to surface.

5. Pressure Control Equipment - Blow out Preventor:

The attached schematic shows the type of blow out 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	15cc
4000-5875'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

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

8. Logging - Coring - Testing Program:

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

Testing: Possible in Lower Ismay and Desert Creek

Coring: None planned.

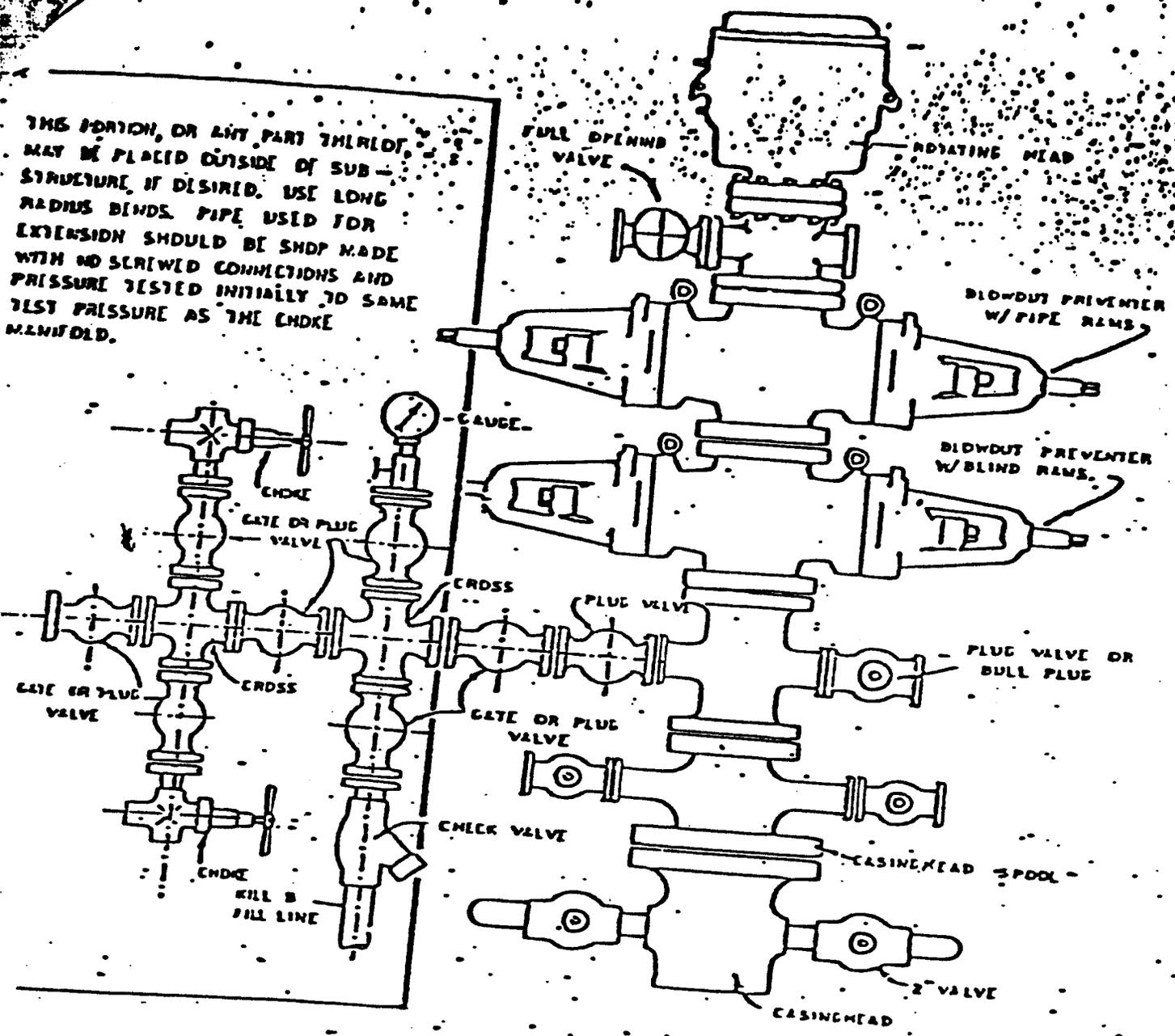
9. Abnormal Temperatures, Pressures or Potential Hazards:

None expected.

10. Starting Date:

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

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



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

**CHUSKA ENERGY COMPANY
Navajo Tribal A No. 21-34
590' FNL & 2075' FWL
Section 34, T40S, 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 North from the existing secondary road approximately 100 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. A 2 1/2" threaded and coupled, steel, 6000 psi test gas line will be layed in the new access road and will follow the existing road to a tie-in in NE/NW 34-40S-25E. This line will initially be layed on the surface and later buried.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 4 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 non burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

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

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well Site Layout:

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

11. Plans for Restoration of Surface:

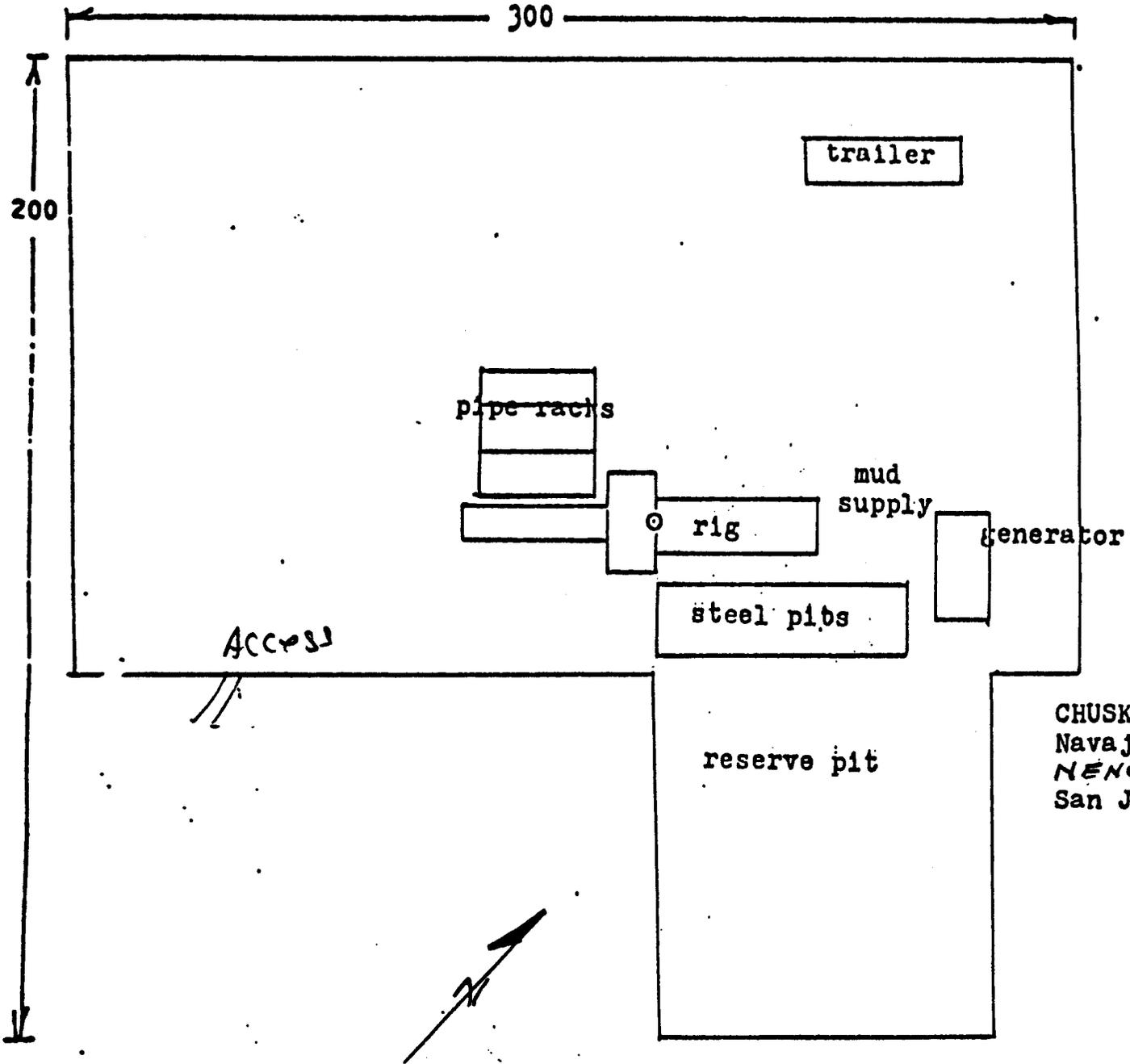
Restoration of the well site and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill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

12. This location is approximately 4 miles North of the San Juan River. It is located on flat ground and covered with native weeds and grasses. No artifacts were found on the site. There are no residences in the area.

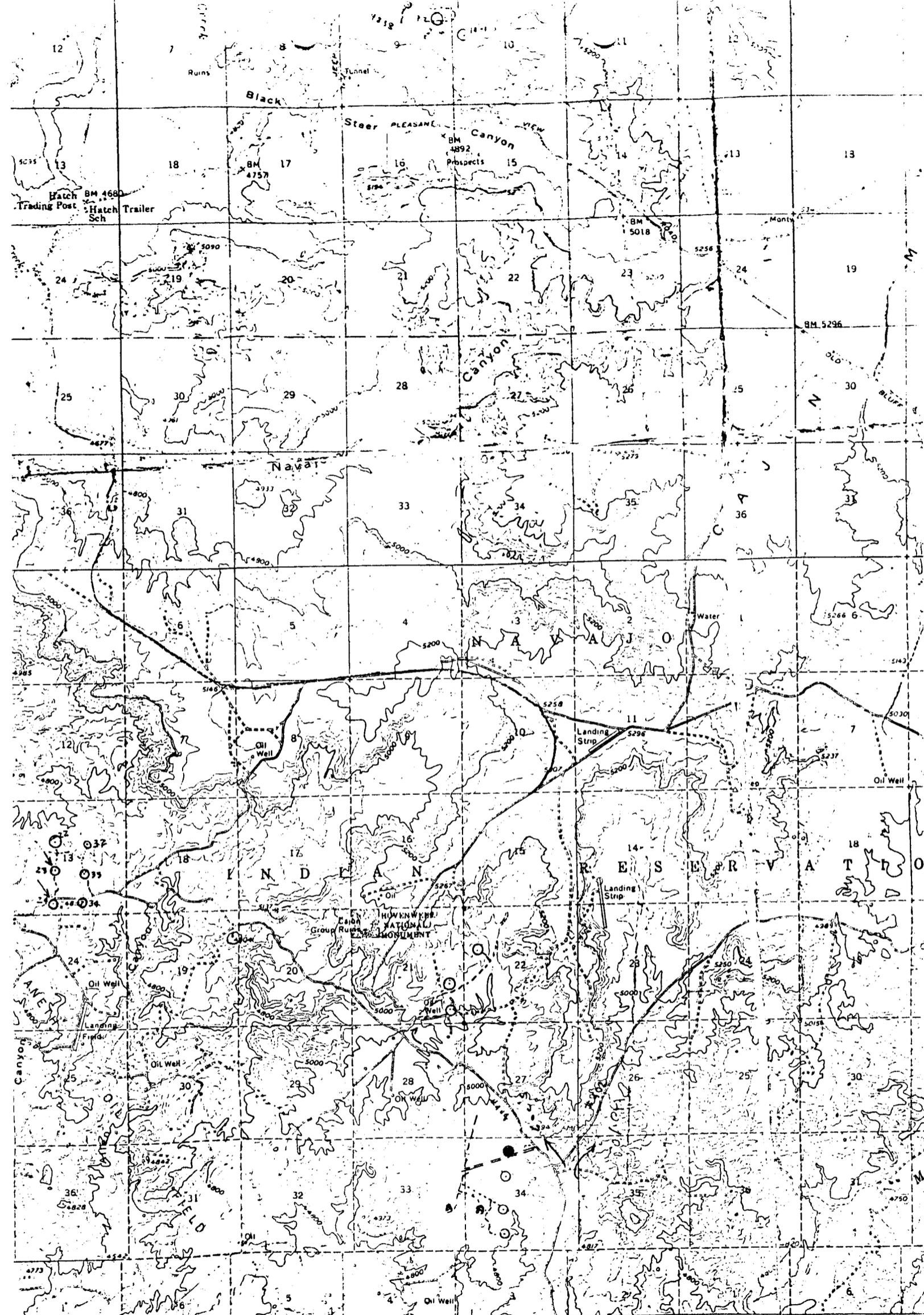
13. John Alexander
CHUSKA ENERGY COMPANY
P. O. Box 2118
Farmington, New Mexico 87499
(505) 326-5525

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


JOHN ALEXANDER
October 30, 1985

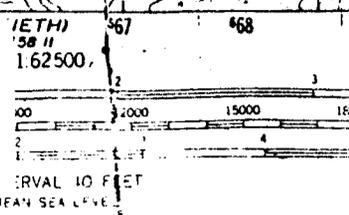


CHUSKA ENERGY CO.
Navajo Tribal A# 21-34
NENW 34-40S-25E
San Juan, Utah



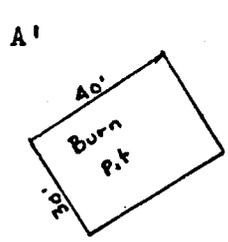
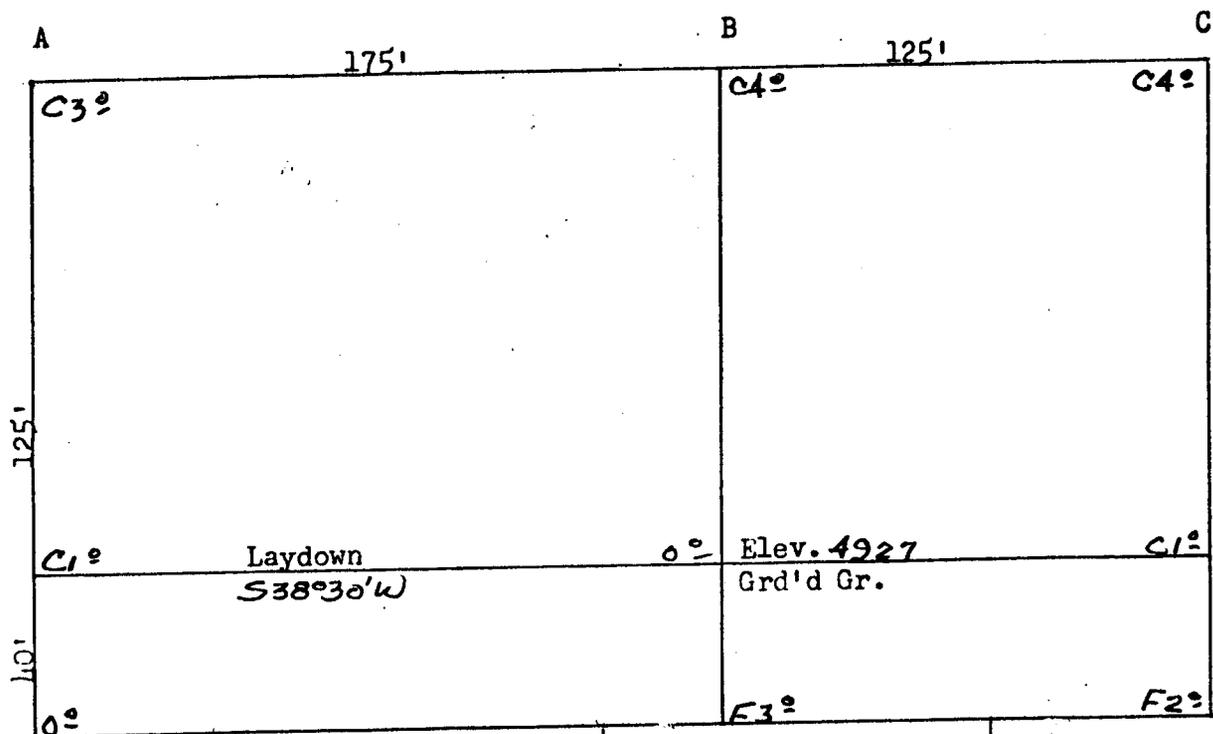
12 7 8 9 10 11 12
 13 18 17 16 15 14 13 19
 24 19 20 21 22 23 24 19
 25 30 29 28 27 26 25 30
 31 33 34 35 36
 36 31 32 33 34 35 36
 36 31 32 33 34 35 36
 36 31 32 33 34 35 36

Vicinity Map for
CHUSKA ENERGY COMPANY #21-34 NAVAJO TRIBAL
590'FNL 2075'FWL Sec. 34-T4OS-R25E
SAN JUAN COUNTY, UTAH

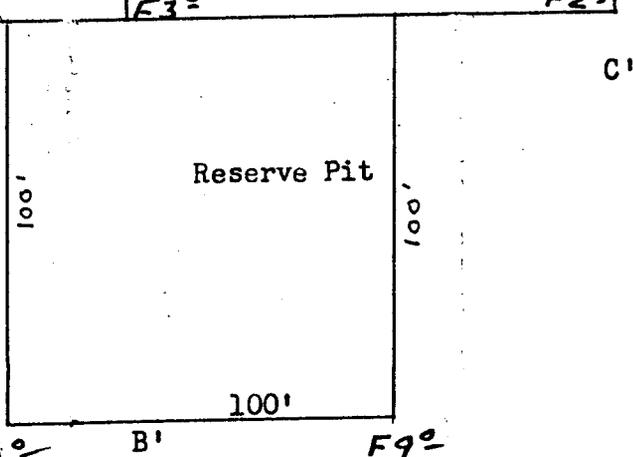
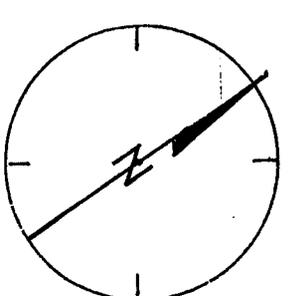


258 MILS
 17 MILS
 UTM GRID AND TRUE MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

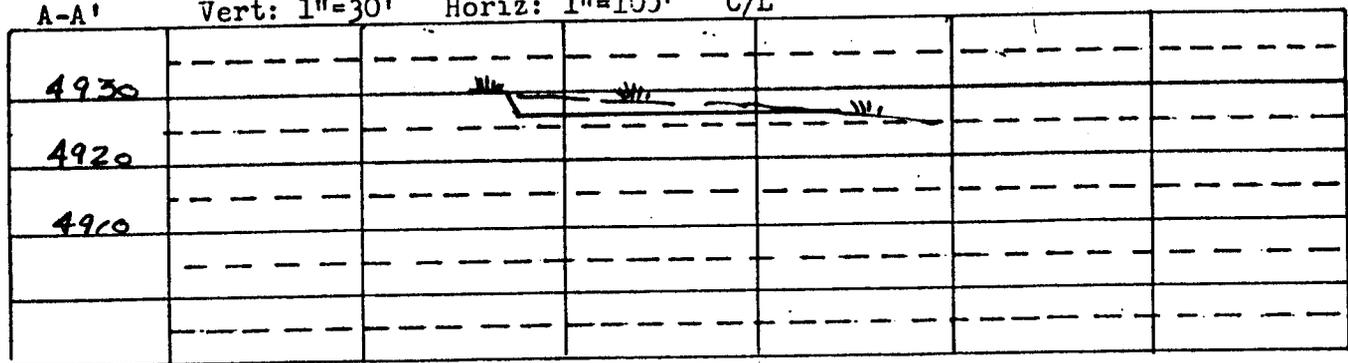
Profile for
 CHUKA ENERGY COMPANY #21-34 NAVAJO IBAL
 590' FNL 2075' FWL Sec. 34-T4OS-R25E
 SAN JUAN COUNTY, UTAH



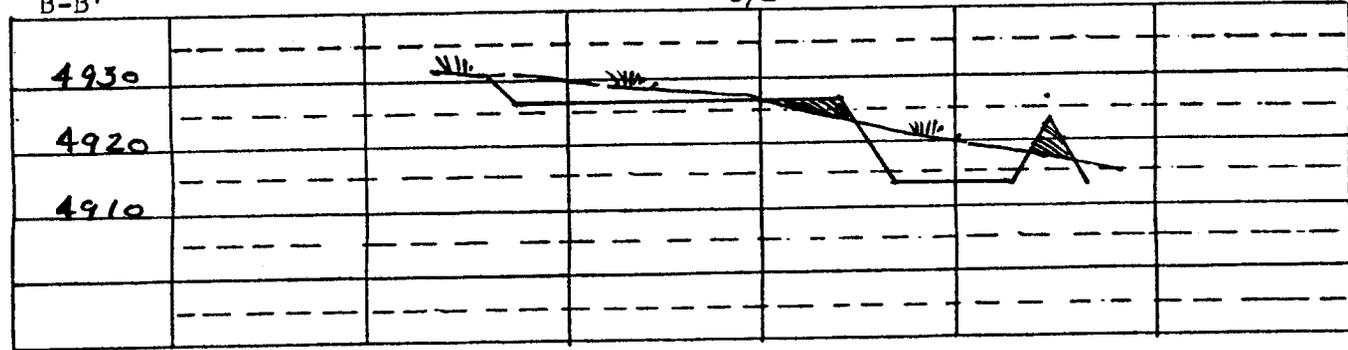
Scale: 1"=50'



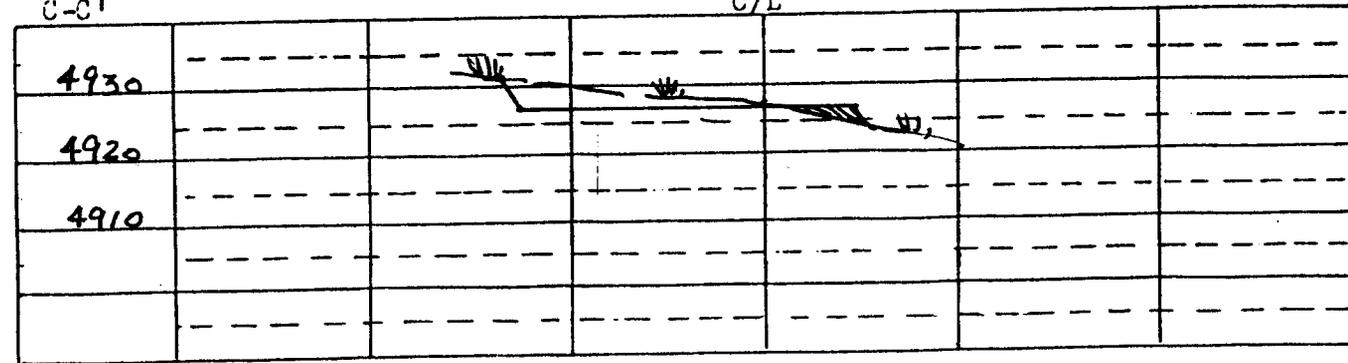
A-A' Vert: 1"=30' Horiz: 1"=100' C/L



B-B' C/L



C-C' C/L



OPERATOR Cohuaka Energy Co. DATE 11-5-85

WELL NAME Navajo Unit A 21234

SEC NE NW 34 T 40 S R 2 SE COUNTY San Juan

43 037-31214
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:

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

PROCESSING COMMENTS:

No other wells within 1000'

Med water permits

APPROVAL LETTER:

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

STIPULATIONS:

1- water



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

November 13, 1985

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

Gentlemen:

Re: Well No. Navajo Tribal A 21-34 - NE NW Sec. 34, T. 40S, R. 25E
590' FNL, 2075' FWL - 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 A 21-34
November 13, 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 43-037-31214.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

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

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31214

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: NAVAJO TRIBAL A 21-34

SECTION NE NW 24 TOWNSHIP 40S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Aztec Well Service

RIG # 301

SPODDED: DATE 1-26-86

TIME 6:30 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY John Alexander

TELEPHONE # 505-326-5525

DATE 1-28-86 SIGNED AS

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		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 590' FNL & 2075' FWL		8. FARM OR LEASE NAME Navajo Tribal "A"
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, BT, GR, etc.) 4927' GR	9. WELL NO. 21-34
		10. FIELD AND POOL, OR WILDCAT Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 34-40S-25E
		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 <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.)***

Spud 17 1/2" hole at 1630 hrs. 1-26-86 with Aztec Well Service Rig #301. Drilled to 70'. Ran 13 3/8" conductor pipe to 70' and cemented with 148 cu. ft. Class "B" with 3% CaCl₂. Maintained full circulation throughout job, cement returned to surface. Job complete 1-27-86.

RECEIVED

JAN 30 1986

**DIVISION OF OIL
GAS & MINING**

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

SIGNED John Alexander TITLE Vice-President DATE 1-28-86

(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 TRIPPLICATE
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS

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

RECEIVED
FEB 18 1986

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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 590' FNL & 2075' FWL		8. FARM OR LEASE NAME Navajo Tribal "A"	
14. PERMIT NO. 43037 31214		9. WELL NO. 21-34	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4927' GR		10. FIELD AND POOL, OR WILDCAT Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 34 - 40S - 25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(Other) _____

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

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Drilled 12 1/4" hole to 1645'. Ran 8 5/8" 24 lb. casing to 1632'. Cemented with 935 cu. ft. Halliburton Light followed by 295 cu. ft. Class "B", 2% CaCl₂, 1/2 lb. Flocele/Sk. maintained full circulation throughout job. Cement returned to surface. Job complete 1-28-86.

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

SIGNED John Alexander TITLE Vice-President DATE 2-13-86

(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 reverse side)

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

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		12. COUNTY OR PARISH San Juan	13. STATE Utah

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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 PLANE <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 7 7/8" hole to 5948' t.d. on 2-05-86. Ran D.L.L., G.R., CNL-FDC, Dipmeter open hole logs. Ran D.S.T. on Lower Ismay interval 5690'-5740', recovered 10 bbls. oil and gas cut mud, 15 bbls. oil, and 15 bbls. salt water. Initial hydrostatic 2908 psi, first flow (15 min.) 230 psi - 628 psi; first closed-in (30 min.) 1904 psi; second flow (60 min.) 575 psi - 1474 psi; final closed-in 1889 psi; final hydrostatic 2908 psi. Plugged well with Class "B" cement as follows:

5671'-5571'	41 cu. ft. Upper Ismay
4768'-4668'	54 cu. ft. Hermosa
2868'-2768'	54 cu. ft. DeChelly
1685'-1585'	45 cu. ft. Surface Casing
Ø -50'	18 cu. ft. Surface Plug

Dry hole marker set. Job complete 2-08-86.

18. I hereby certify that the foregoing is true and correct
 SIGNED John Alexander TITLE Vice-President DATE 2-13-86
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ ACCEPTED BY THE STATE
 CONDITIONS OF APPROVAL, IF ANY: _____ OF UTAH DIVISION OF
 OIL, GAS, AND MINING

*See Instructions on Reverse Side DATE: 2-20-86
 BY: John R. Dyer

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

3

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. RESVR. 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 590' FNL & 2075' FWL
At top prod. interval reported below SAME
At total depth SAME

14. PERMIT NO. 4303731214 DATE ISSUED 11-13-85

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.

21-34

10. FIELD AND POOL, OR WILDCAT

ANETH

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

34-40S-25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 1-26-86 16. DATE T.D. REACHED 2-05-86 17. DATE COMPL. (Ready to prod.) P & A 2-08-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4939' K.B. 19. ELEV. CASINGHEAD 4928'

20. TOTAL DEPTH, MD & TVD 5948' 21. PLUG, BACK T.D., MD & TVD P & A 22. IF MULTIPLE COMPL., HOW MANY* → 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0-5948 25. 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 DLL, CNL, DDC, Dipmeter, GR 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	54.50	70'	17 1/2	148 cu. ft. "B" 3%CaCl ₂ , cement to surface.	NONE
8 5/8	24.0	1632'	12 1/4	935 cu. ft. Halliburton Light; 295 cu. ft. "B", 2%CaCl ₂ , 1/2# Flocele	NONE

29. LINER 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)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

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

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P & A 2-08-86 WELL STATUS (Producing or shut-in) DLA

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

SIGNED John Alexander TITLE Vice-President DATE 2-17-86

860303

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

7. 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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Lower Ismay	5690'	5740'	<p>DST #1, No Cushion;</p> <p>first flow 15 min. 230-628 psi first shut-in 30 min. 1904 psi 2nd flow - 60 min. 575-1474 psi 2nd shut-in -120 min. 1889 psi</p> <p>Recovered: 10 bbl. oil and gas cut mud, 15 bbl. oil, 15 bbl. salt water.</p>	<p>Chinle DeChelly Organ Rock Hermosa Upper Ismay Lower Ismay Gothic Shale Desert Creek Chimney Rock T.D.</p>	<p>1662' 2817' 2936' 4708' 5610' 5707' 5762' 5807' 5890' 5948'</p>	