

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. LEASE DESIGNATION AND SERIAL NO.
NOG 8505-1087

8. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

5. FARM OR LEASE NAME
NAVAJO TRIBAL A

9. WELL NO.
31-32

10. FIELD AND POOL, OR WILDCAT
ANETH *Wildcat*

11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
32 - 43S - 25E

12. COUNTY OR PARISH 13. STATE
SAN JUAN UTAH

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
500' FNL & 1980' FEL
At proposed prod. zone
SAME *NWDE*

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

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.
5590' *Adjacent to well*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5153' GR

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See Attached				

SEE ATTACHED

CONFIDENTIAL

RECEIVED
APR 28 1986

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.

54. SIGNED *John Alexander* TITLE Vice-President DATE 4/24/86
(This space for Federal or State office use)

PERMIT NO. 43-037-31268 APPROVAL DATE APR 28 1986

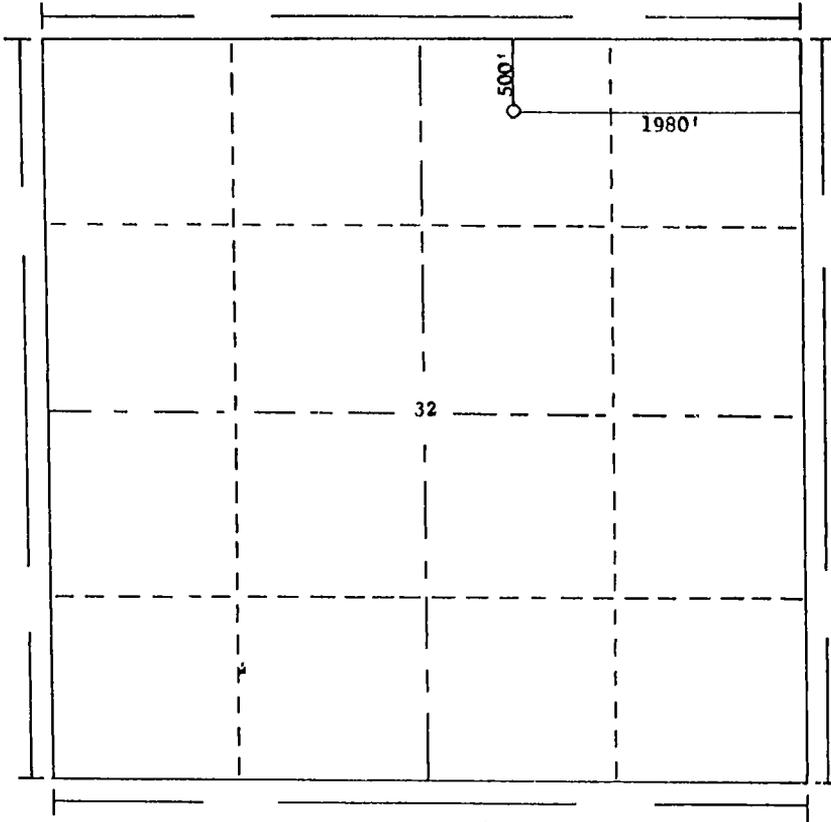
APPROVED BY *John R. Bay* TITLE MILBING

CONDITIONS C. APPROVAL, IF ANY:

*See Instructions On Reverse Side PACING: *304*



R. 25 E



T. 43 S.

Scale · 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from John Alexander
 for CHUSKA ENERGY COMPANY
 determined the location of Navajo Tribal "A" 31-32
 to be 500' FNL & 1980' FLL of Section 32 Township 43 South
 Range 25 East of the SALT LAKE Principal Meridian
 San Juan County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

Date April 11, 1986

B. Samuel Stegeman
 Licensed Engineer
 State of Colorado



FORMATION INFORMATION AND
DRILLING PRACTICES

Chuska Energy Co.
Navajo Tribal A No. 31-32
500' FNL & 1980' FEL
32-4 S-25E
San Juan Co., Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1161'
DeChelly	2446'
Organ Rock	2746'
Hermosa	4312'
Upper Ismay	5212'
Lower Ismay	5332'
Desert Creek	5386'
T.D	5590'

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

Oil 5332' Oil 5386'

4. Proposed Casing Program:

0-80'	13 3/8", 54.50 lb.ft., ST&C, J-55 new casing; cemented with 120 cu.ft. Class "B" + 1/4 lb. Floccle/sk. Cement to surface.
0-1600'	8 5/8", 24 lb.ft., ST&C, J-55 new casing; cemented with 800 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B" with 2% CaCl ₂ . Cement to surface.
0-5590'	5 1/2", 15.50 lb.ft., ST&C, J-55, new casing; first stage cemented with 450 cu.ft. Class "H" containing 10 lb. Calseal/sk. and 10% salt. Cement top at 4,000'. Stage tool at 2800'. Cement second stage with 500 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B". Cement top at 1,000'.

5. Pressure Control Equipment - Blow Out Preventer:

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

Depths	Type	Vis.	Weight	Fluid Loss
0-1600'	gel-lime	35-45	9.0	not controlled
1600'-4000'	gel-chem	35-45	9.5	15 cc.
4000'-t.d	gel-chem	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 CI.

Coring: none planned

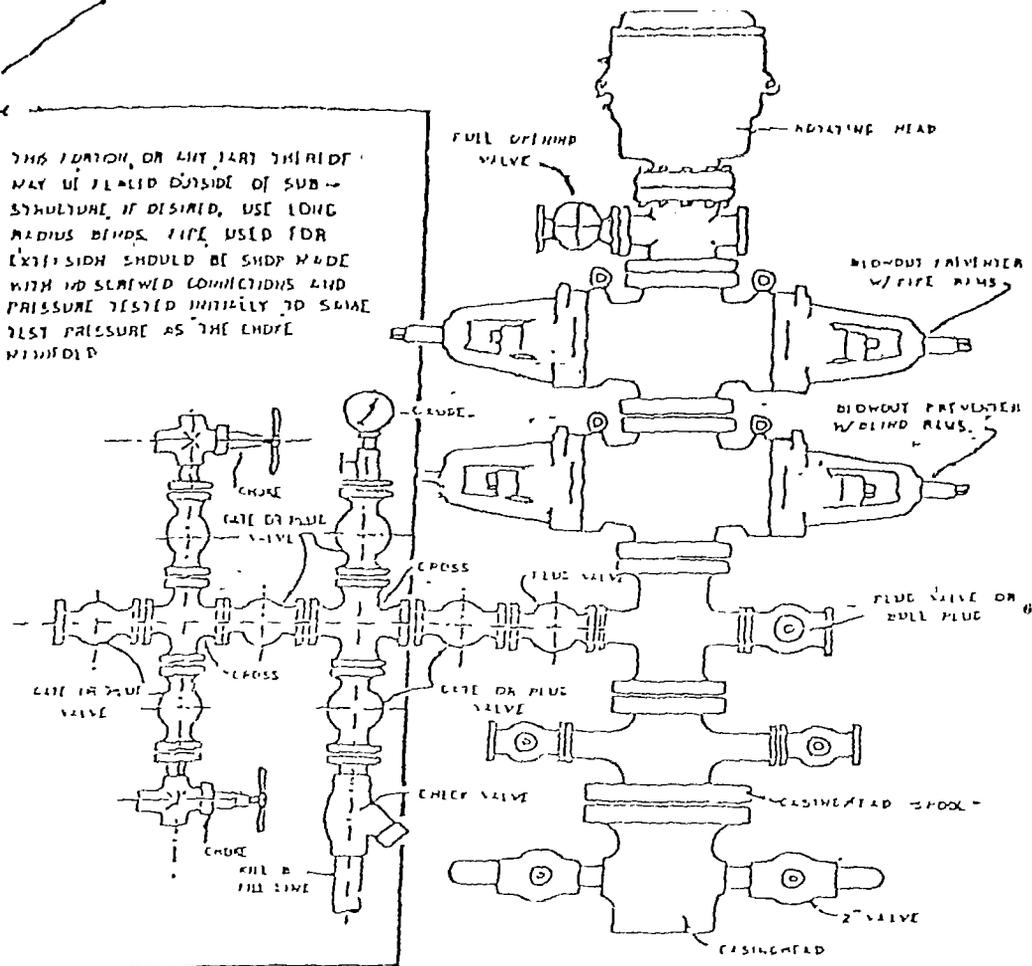
9. Abnormal Temperatures, Pressures, or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is June 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 FLANGE, OR ANY PART THEREOF
 MAY BE PLACED OUTSIDE OF SUB-
 STRUCTURE IF DESIRED, USE LONG
 RADIUS BUNDS PIPE USED FOR
 EXTENSION SHOULD BE SHOP MADE
 WITH NO SCREWED CONNECTIONS AND
 PRESSURE TESTED INITIALLY TO SAME
 TEST PRESSURE AS THE END OF
 WELLBORE



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

Chuska Energy Co.
Navajo Tribal A No. 21-22
500' FNL & 1980' FEL
22-47S-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. None of these roads will have to be up graded for normal drilling traffic.

2. Planned Access Road (shown in red):

The new access road will have a maximum grade of 10% and will be water barred to prevent erosion. It will be 800' long and 20' wide. There will be no cattle guards, gates, or turnouts. It will not require surfacing. Ear ditches will be installed only if the well is productive.

3. Location of Existing Wells:

The existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Production Facilities:

All production facilities are to be contained within the proposed location site. Chusla has one well to the north that is presently shut in a uneconomical.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 16 miles north of the location. Point of removal is O FSL & 1500' FWL 32-406-24E, San Juan Co., Utah.

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 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. Pits will be completely fenced during drying time, then back filled with dirt prior to preparing the location for production or abandonment.

8. Human Waste:

A portable 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 the 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 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. The surface is owned by the Navajo Tribe.

12. General Information:

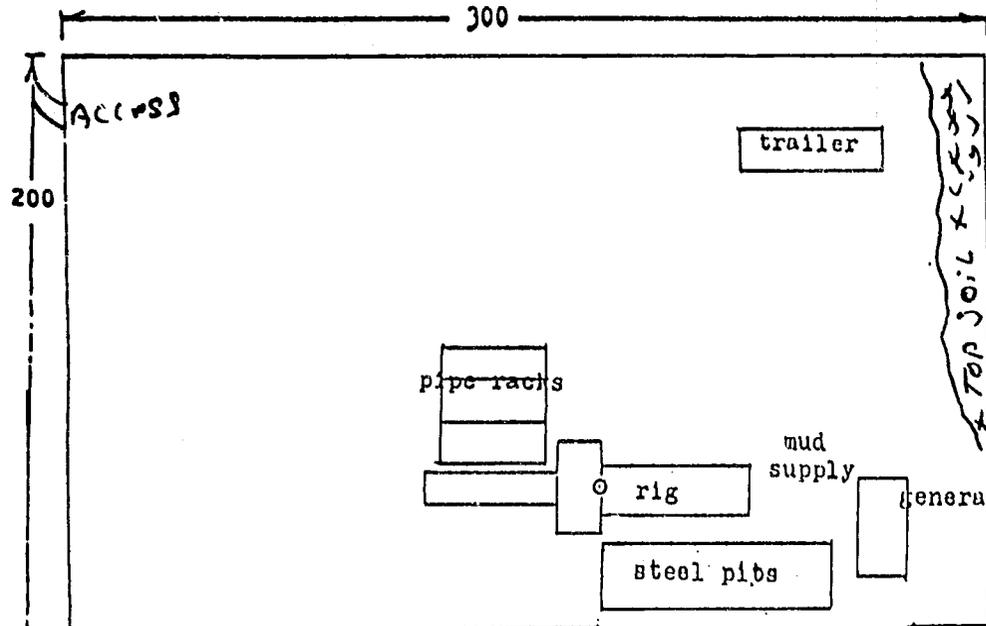
This site is in the Tsitah Wash area. It is very flat and covered with native weeds and grasses. No artifacts were found on the site. There is a residence approximately 1/2 mile north east of the site.

13. John Alexander
Chuska Energy Co.
P.O. Box 2118
Farmington, N.M. 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 Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

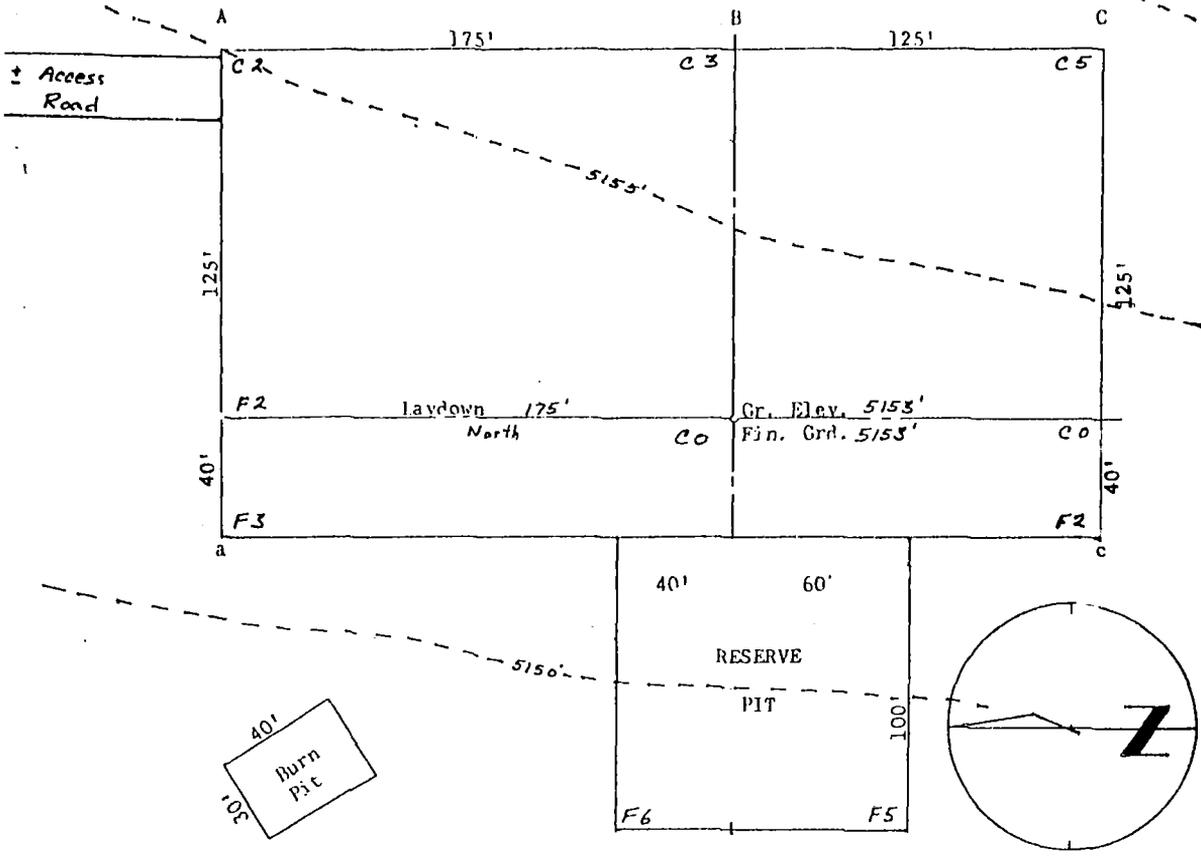
 Date 4/23/86
John Alexander



CHUSKA ENERGY CO.
Navajo Tribal A # 31-32
NWNE 32-433-25E
San Juan, Utah

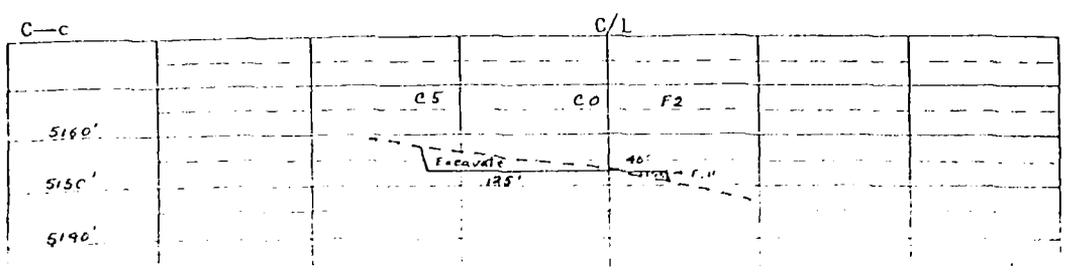
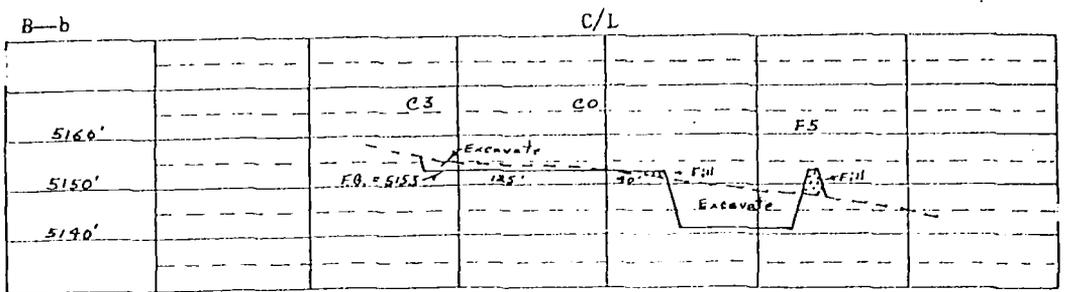
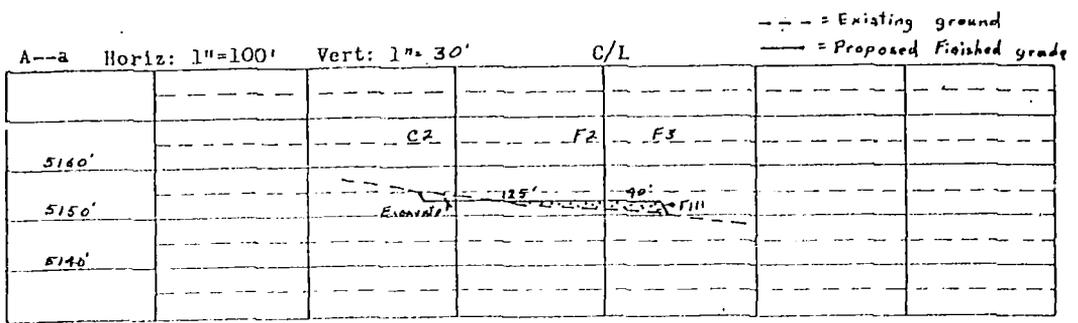
reserve pit
NOT LINED

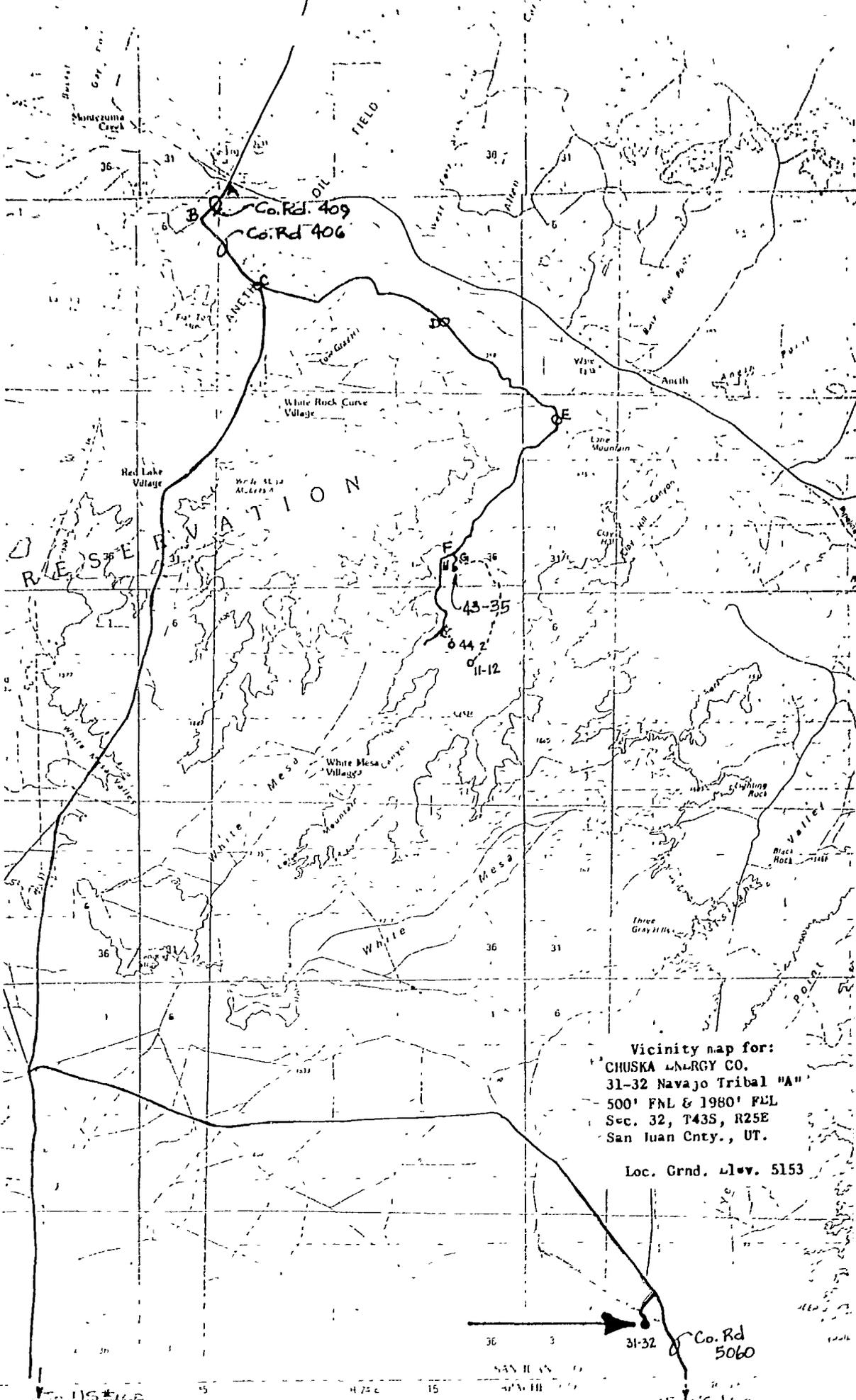
Profile for: CHUSKA ENERGY CO.
 31-32 Navajo Trib "A"
 500' FNL & 1980' P.M.L.
 Sec. 32, T43S, R25E
 San Juan Cnty., UT.



C or F is Cut or Fill from existing ground to finish grade.

Scale: 1"=50'





Vicinity map for:
 CHUSKA ENERGY CO.
 31-32 Navajo Tribal "A"
 500' FNL & 1980' FNL
 Sec. 32, T43S, R25E
 San Juan Cnty., UT.

Loc. Grnd. Elev. 5153

36 3 15
 SAN JUAN
 Co. Rd 5060
 31-32

185160

CONFIDENTIAL

OPERATOR Chuska Energy Co. DATE 5-5-86

WELL NAME Projo Unit A 31-32

SEC NW NE 32 T 43S R 2SE COUNTY San Juan

43-032-31268
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other wells within 470'

Free water present

APPROVAL LETTER:

SPACING: 203 _____ UNIT

302

_____ CAUSE NO. & DATE

302.1

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

May 6, 1986

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

Gentlemen:

Re: Well Name: Navajo Tribal A 31-32 - NW NE Sec. 32, T. 43S, R. 25E
500' FNL, 1980' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, 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:

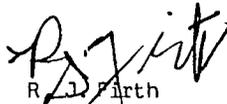
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. 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 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
Chuska Energy Company
Well Name: Navajo Tribal A 31-32
May 6, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. 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 43-037-31268.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
D. R. Nielson

8159T



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

090301

September 2, 1987

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

Gentlemen:

RE: Well No. Navajo Tribal A 31-32, Sec. 32, T. 43S, R. 25E,
San Juan County, Utah, API NO. 43-037-31268

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,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza
Petroleum Engineer

sb
cc: BLM-Farmington
D. R. Nielson
R. J. Firth
Well file
0327T-98