

*well file*

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Company, Inc., Box 190, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1870' FNL & 800' FWL  
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  
5550

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4572 GR

22. APPROX. DATE WORK WILL START\*  
10/15/83

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17	13 3/8	54.5	100	see attached
12 1/4	8 5/8	24	1300	for cement information
7 7/8	5 1/2	15.5	5550	

(See Attached)

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 September 23, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE 10-28-83

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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.  
12-35

10. FIELD AND POOL, OR WILDCAT  
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 35-T41S-R25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

COMPANY CHUSKA ENERGY COMPANY

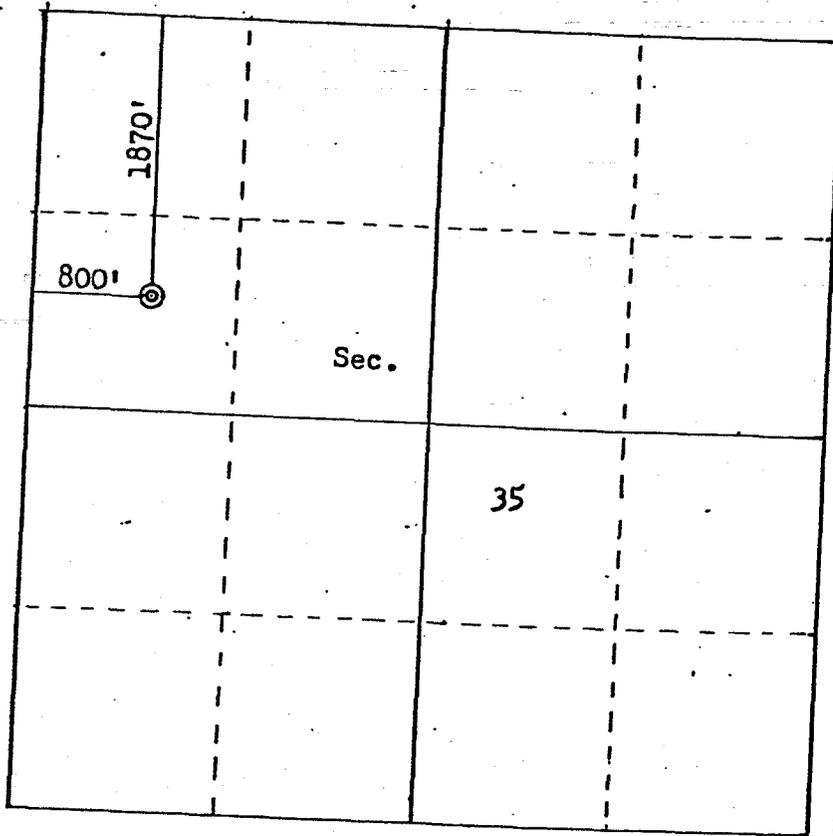
LEASE NAVAJO TRIBAL WELL NO. 12-35

SEC. 35, T. 41S, R. 25E

SAN JUAN COUNTY, UTAH

LOCATION 1870'FNL 800'FWL

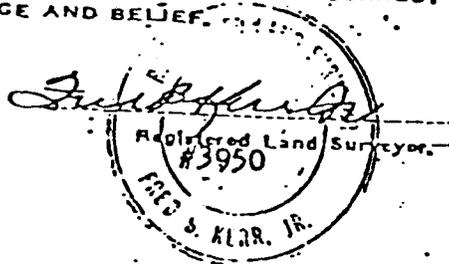
ELEVATION 4572 ungraded ground



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.

SEALS



SURVEYED September 19 1983

FARMINGTON, N. M.

San Juan Co.

FORMATION INFORMATION AND  
DRILLING PRACTICES

CHUSKA ENERGY CO.  
Navajo Tribal No. 12-35  
SWNW Sec 35-41S-25E  
San Juan Co., Utah

1. Surface Formation:

Morrison

2. Estimated Formation Tops:

Chinle	1750'
Dechelly	2460'
Organ Rock	2580'
Cuttler	3650'
Hermosa	4400'
Upper Ismay	5220'
Lower Ismay	5320'
Desert Creek	5390'
T.D.	5550'

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

Oil 5320'  
Oil 5390'

4. Proposed Casing Program:

- 0-100' 13 3/8", 54.5 lb/ft, ST & C, J-55 new casing; cement with 120 feet<sup>3</sup> Class "B" + 2% CaCl<sub>2</sub> + 1/4 lb cellophane flakes per sack
- 0-1300' 8 5/8", 24 lb/feet, ST & C, K-55 new casing; cement with 800 feet<sup>3</sup> 65-35 poz mix + 6% gel + 3% CaCl<sub>2</sub>, followed by 200 feet<sup>3</sup> Class "B" + 2% CaCl<sub>2</sub>. Cement will be brought to surface.
- 0-5550' T.D. 5 1/2", 15.5 lb/ft, ST & C, K-55 new casing; cement with 450 feet<sup>3</sup> 50-50 poz mix + 2% CaCl<sub>2</sub> + 10% salt + 0.8% fluid loss additive. Cement top at 4,000'.

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 the surface pipe.

5. Drilling Fluids:

<u>DEPTH</u>	<u>TYPE</u>	<u>VIS.</u>	<u>WEIGHT</u>	<u>FLUID LOSS</u>
0-1300'	Gel-lime	35-45	9.0	Not controlled
1300-4000'	Gel-chem	35-45	9.5	15cc
4000-5550'	Low solids	45-50	10.0	9 cc

Auxiliary Equipment:

- a. Bit Float
- b. Stabbing valve to be used to drill pipe when kelly is not connected.

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

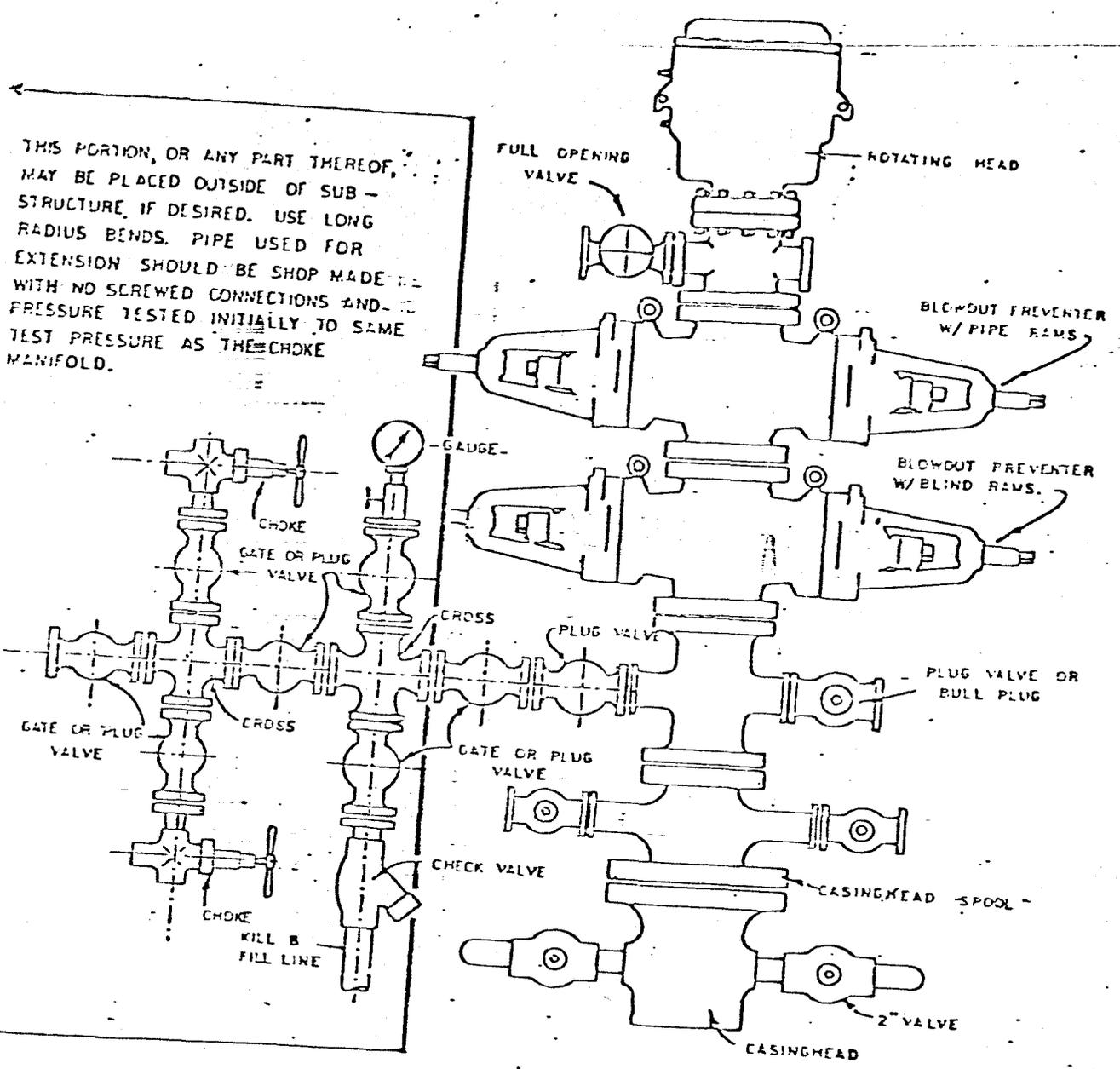
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

Anticipated starting date is October 15, 1983. 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 CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

**SURFACE USE PLAN**

**CHUSKA ENERGY CO.  
Navajo Tribal No. 12-35  
SWNW Sec 35-41S-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 will be from Utah Hwy. 262 at the Aneth Community School. An improved secondary road will be followed to an existing well site in the SENE 34, T41S, R25E. No upgrading of this secondary road will be necessary.

2. Planned Access Road (Shown in Red)

The new access road will follow the fence line from the above referenced producing well. Total length of new road is 3/4 mile. Maximum grade is 5%. No water bars, culverts or turnouts are needed.

3. Location of Existing Wells

All existing oil, gas, water, drilling and disposal wells are shown on the attached plat.

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

Fresh water for drilling will be trucked from the San Juan River, 1/2 mile 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.

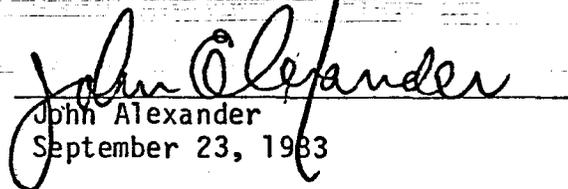
10. Well Site Layout - The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

11. Plans for Restoration of Surface

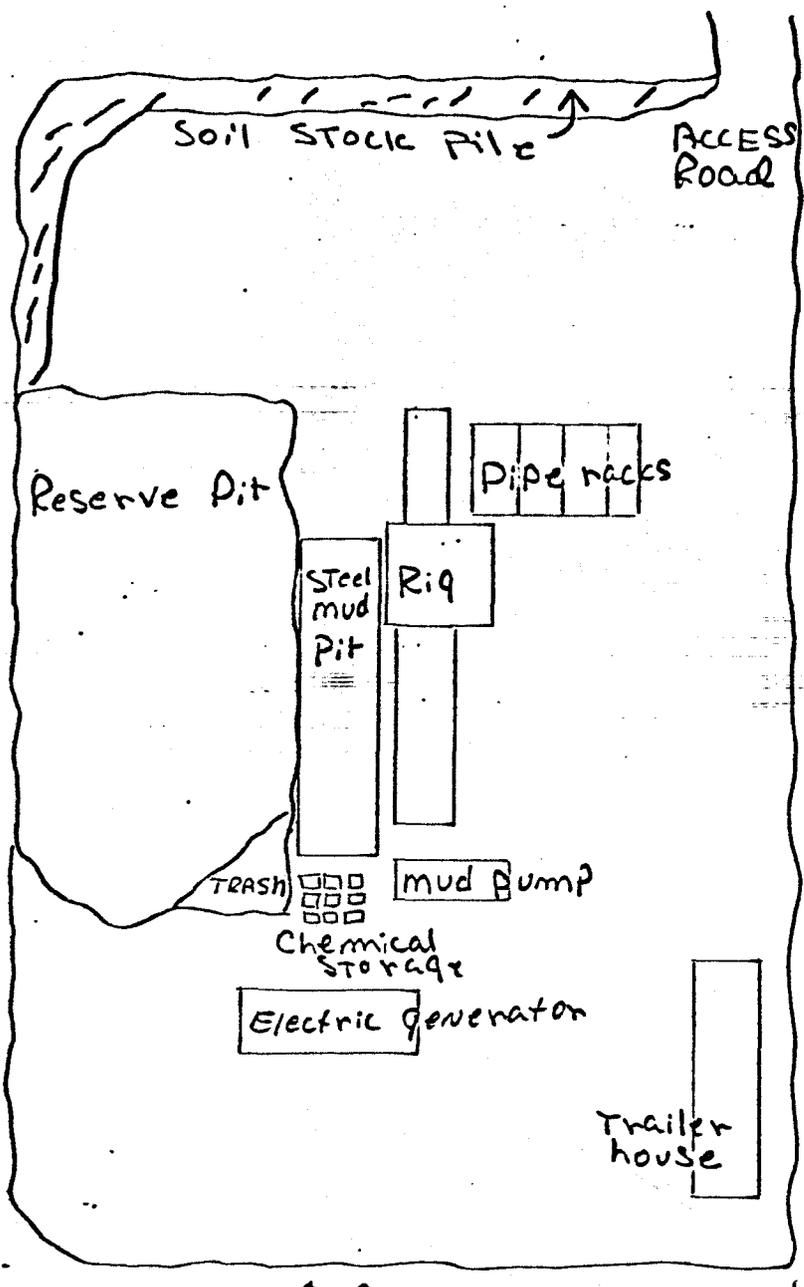
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite 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 my have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is 1/2 mile North of the San Juan River and just outside an irrigated field. The site is very flat & covered with native weeds and grasses. The soil is very sandy and will probably have to be watered down or plated to hold up drilling traffic. There are several residences within 3/4 mile of the site. No artifacts were found on the location or access road.
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 my 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  
September 23, 1983

JA:kj



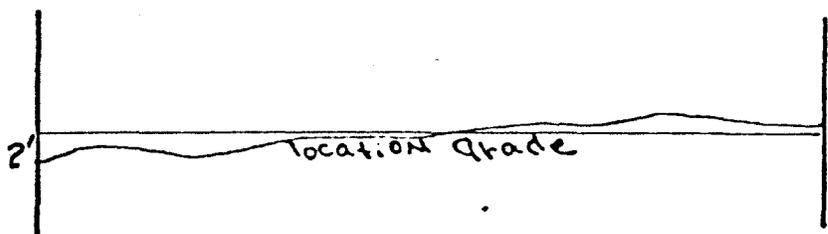
300

location grade

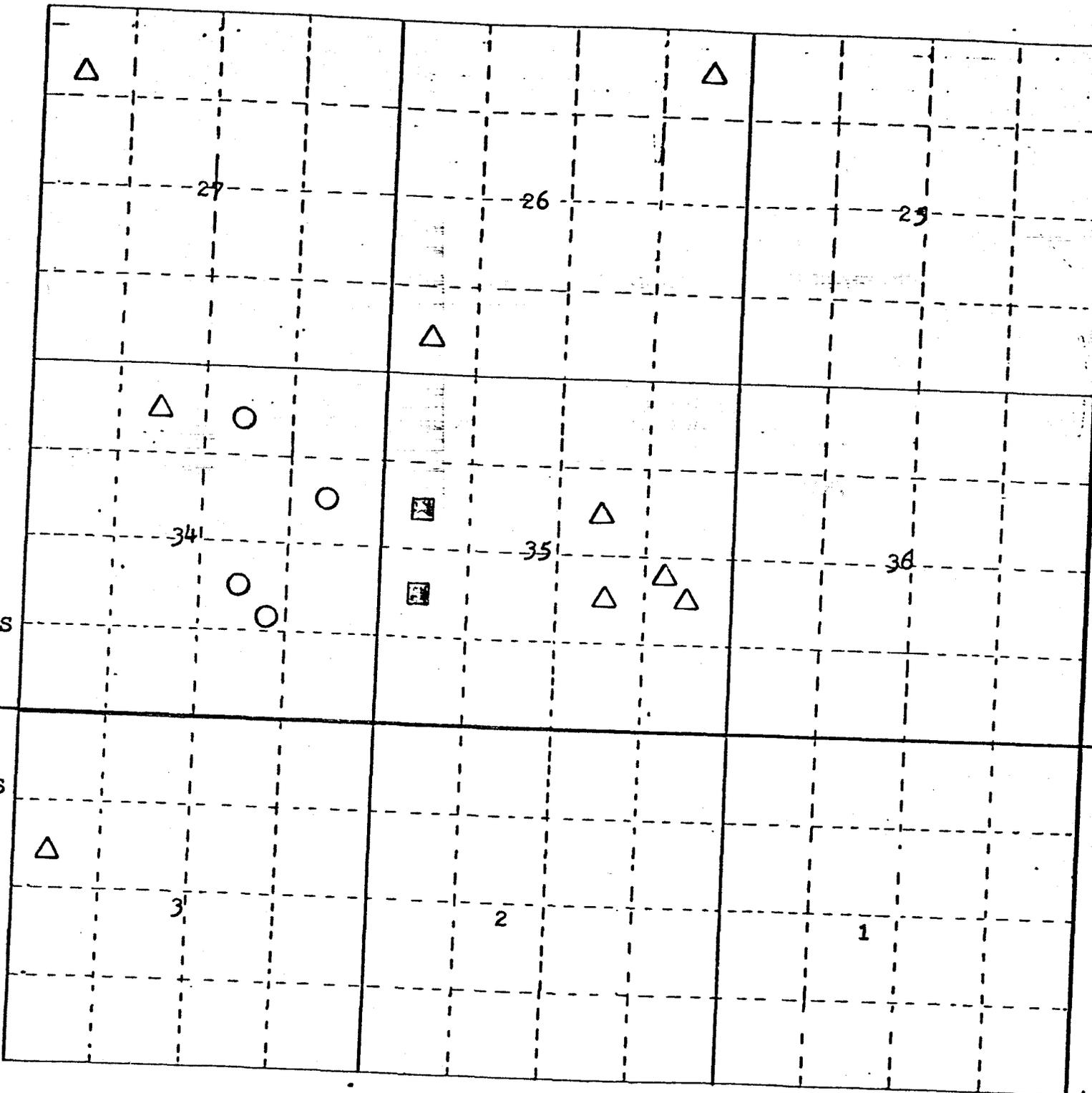
horizontal scale: 1" = 50'

vertical scale: 1" = 10'

CHUSKA ENERGY CO.  
 NAVAJO TRIBAL NO. 12-35  
 SWNW 35-T.41S-R.25E  
 SAN JUAN CO., UTAH



25E



LEGEND

- △ plugged
- active well
- subject wells

OFFSET WELLS

Chuska Energy Co.  
Navajo Tribal No. 12-35  
SWNW 35-41S-25E

Navajo Tribal No. 13-35  
NWSW 35-41S-25E

San Juan Co., Utah



OPERATOR Chuska Energy Co.

DATE 10/27/83

WELL NAME Navajo Ditch 12-35

SEC SW NW 35 T 41S R 2SE COUNTY San Juan

43-037-30447  
API NUMBER

Indian  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

No oil wells within 1000'

10-28-83

[Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

10/31/83

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

1- water  
2- Pressure control equipment shall be  
tested to a minimum of 1500 PSI.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FEA*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER *NO*

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.

October 28, 1983

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

RE: Well No. Navajo Tribal 12-35  
SWNW Sec. 35, T. 41S, R. 25E  
1870' FNL, 800' FWL  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-5336071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void. Pressure control equipment shall be tested to a minimum of 1500 psi.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30947.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Branch of Fluid Minerals (2)  
Bureau of Indian Affairs  
Encl.

wals OK  
Norm

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY

WELL NAME: NAVAJO TRIBAL 12-35

SECTION SWNW 35 TOWNSHIP 41S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR YOUNG

RIG # 2

SPUDDED: DATE 11-14-83

TIME 3:30 PM

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY John Alexander

TELEPHONE # 505-326-1135

DATE 11-21-83 SIGNED \_\_\_\_\_ AS \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR c/o 3E Company, Inc.

Box 190, Farmington, NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1870' FNL & 800' FWL

AT TOP PROD. INTERVAL: same

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON\*
- (other)

SUBSEQUENT REPORT OF:

- 
- 
- 
- 
- 
- 
- 
- 
- 

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Include estimated date of starting any proposed work. If measured and true vertical depths for all markers and zone:

Rigged up Young Drilling Co. Rig #2. Sp to 74'. Ran 13 3/8" 54.5# casing to 70' "B" +2% CaCl<sub>2</sub> + 1/4 lb. Flocele per sack out job and brought 45 cubic feet good c

*Katherine said no one was in the office to chase down the water rights, but that she would try to make the necessary contacts. I told her it would be necessary to shut down at the close of the working day, if not resolved.*  
*upm*  
*11-22-83*

5. LEASE  
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.  
12-35

10. FIELD OR WILDCAT NAME  
Aneth-Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 35-41S, 25E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4572 G:L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John Alexander TITLE Agent DATE 11/21/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 Form 9-331-C for ~~small proposals~~)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Chuska Energy Co.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1870' FNL & 800' FWL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
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.  
12-35

10. FIELD OR WILDCAT NAME  
Aneth-Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 35-41S, 25E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4572 G:L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Rigged up Young Drilling Co. Rig #2. Spudded 17½" hole on 11/14/83. Drilled to 74'. Ran 13 3/8" 54.5# casing to 70'. Cemented with 177 cubic feet Class "B" +2% CaCl<sub>2</sub> + 1/4 lb. Flocele per sack. Maintained good circulation through out job and brought 45 cubic feet good cement to surface. Job complete 11/14/83.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John Alexander TITLE Agent DATE 11/21/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Chuska Energy Co.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1870' FNL & 800' FWL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

5. LEASE  
NOG 8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
Navajo Tribal

8. FARM OR LEASE NAME  
Navajo Tribal

9. WELL NO.  
12-35

10. FIELD OR WILDCAT NAME  
Aneth Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 35, 41S, 25E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
43-037-30947

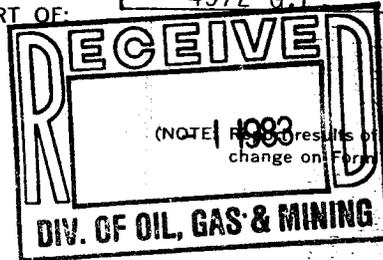
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4572 G.I.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
  - FRACTURE TREAT
  - SHOOT OR ACIDIZE
  - REPAIR WELL
  - PULL OR ALTER CASING
  - MULTIPLE COMPLETE
  - CHANGE ZONES
  - ABANDON\*
  - (other)

SUBSEQUENT REPORT OF:

- 
- 
- 
- 
- 
- 
- 
- 



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 12 1/4" hold to 1298' on 11/16/83 with water flow encountered at 750'. Ran 8 5/8" 24 lb/ft K-55 casing and set at 1298'. Cemented with 644 cubic feet 65-35 poz mix + 6% gel + 7 lb gilsonite per sack + 1/4 lb flocele per sack followed by 354 cubic feet class "B" + 2% CaCl<sub>2</sub> + 1/4 lb flocele per sack. Maintained good circulation through out job. Plug down at 2315 hours 11/16/83. Cement did not circulate to surface. Water flow persisted after job complete. Closed in 13 3/8" - 8 5/8" annulus by welding a steel plate between them. Left a 2" opening in the plate and installed a 2" valve. Pumped 118 cubic feet class "B" + 2% CaCl<sub>2</sub> cement in 13 3/8" - 8 5/8" annulus and closed valve in. Pressure tested b.o.p. and 8 5/8" casing to 600 psi. At this time all water flow from 8 5/8" was cemented off. After drilling out from under 8 5/8" it was discovered that

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct while conducting open hole logs.

SIGNED John Alexander TITLE Agent DATE 11/23/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Navajo Tribal 12-35  
Operator Chuska Energy Co. Address c/o 3E Co., P.O. 190, Farmington  
N.M 78499  
Contractor Young Drilling Address P.O 717 Farmington, N.M 87499  
Location SW 1/4 NW 1/4 Sec. 35 T. 41S 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.	750	- ?	Not measured	
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

**RECEIVED**  
DEC 16 1988

Formation Tops

Remarks

Flow was encountered whiled rilling, rate and water quality were not determined.

DIVISION OF  
OIL, GAS & MINING

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such purposes.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Chuska Energy Co.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1870' FNL & 800'  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

5. LEASE  
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.  
12-35

10. FIELD OR WILDCAT NAME  
Aneth Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 35, T41S, R25E

12. COUNTY OR PARISH  
San Juan

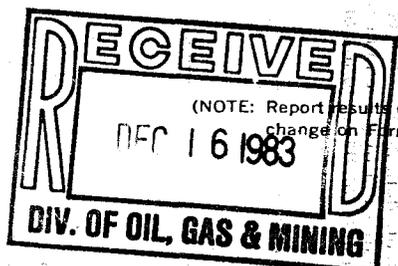
13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4585 KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



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 5545' t.d. on 11/26/83. Ran DIL and CNL-FDC open hole logs. Ran drill stem test from 5444' to 5545'. Well was plugged to abandon as follows:

- 5171' - 5471' 101 cubic feet class "B" cement
- 3207' - 3307' 34 cubic feet class "B" cement
- 2577 - 2677 34 cubic feet class "B" cement
- 1265' - 1365' 34 cubic feet class "B" cement

Annulus between 13 3/8" conductor and 8 5/8" surface casing was squeezed with 200 cubic feet "Thickset" cement. Squeeze was pumped through 2" valve at surface. No plug was placed at surface at request of the tribe so that they can consider using this as a water well. Job complete 11/28/83.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John Alexander TITLE Agent DATE 11/30/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See instructions on reverse side)

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

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.

12-35

10. FIELD AND POOL, OR WILDCAT

Aneth Desert Creek

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

Sec 35, T41S, R25E

12. COUNTY OR PARISH

SAN JUAN CITAH

13. STATE

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 Co.

3. ADDRESS OF OPERATOR

c/o 3E Company, Inc., Box 190, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1870' FNL & 800' FWL  
At top prod. interval reported below same  
At total depth same

RECEIVED  
SW NW  
DEC 05 1983

14. PERMIT NO. OF LAND ACQUISITION  
FARMINGTON RESOURCE AREA

43-057-30947

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

11/14/83 11/26/83 Plugged 11/28/83 4584' KB 4573

20. TOTAL DEPTH, MD & TVD 21. PLUG. BACK T.D., MD & TVD 22. IF MULTIPLE COMPLETIONS, LIST INTERVALS 23. INTERVALS ROTARY TOOLS CABLE TOOLS

5545 1265 0-5545 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

N/A yes

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Dual Induction Density

DIVISION OF  
OIL, GAS & MINING

28. CASING RECORD (Report all casing used)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.5	70	17 1/2	177 cu ft class B	none
8 5/8	24	1298	12 1/4	644 cu ft 65-35 poz + 6% gel + 7 lb gilsonite + 1 lb. flocele 472 class "B" + 2% CaCl <sub>2</sub> .	none

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 RECORDED (Interval, size and number) 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) WELL STATUS (Producing or shut-in)

Plugged and abandoned

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 Agent DATE 11/30/83

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

RECEIVED COPY

# 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: "Stack 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Desert Creek	5444	5545	Drill stem test, no cushion used, tool opened 0815 11/27/83  1st flow 30 min 107 psi 1st shut in 60 min 134 psi 2nd flow 60 min 121 psi 2nd shut in 120 min 134 psi  recovery was 90' of mud with no oil or gas shows.			
<b>38. GEOLOGIC MARKERS</b>						
				Dechelly	2464	
				Organ Rock	2638	
				Cuttler	3264	
				Hermosa	4350	
				Upper Ismay	5224	
				Lower Ismay	5326	
				Gothic Shale	5376	
				Desert Creek	5426	
				Chimney Rock	5516	
				Akah	5534	



# CHUSKA ENERGY COMPANY

P.O. BOX 2118 • FARMINGTON, N.M. 87499 • PHONE: (505) 326-5591

December 12, 1983

*file*

**RECEIVED**  
DEC 20 1983

Mr. Norman Stout  
Utah Oil & Gas Division  
4241 State Office Building  
Salt Lake City, Utah 84116

**DIVISION OF  
OIL, GAS & MINING**

Dear Mr. Stout:

Enclosed please find one final well log print of Chuska's Navajo Tribal #12-35, Section 35, T41S-R25E, San Juan County, Utah, in accordance with Rule C-5. If you require any further information, please call.

Sincerely,

CHUSKA ENERGY COMPANY

By *Henry W. Haven, Jr.*  
Henry W. Haven, Jr.  
Production Geologist

HWH/jb

Enclosure

*John Alexander*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for ~~well proposals~~.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Chuska Energy Co.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE:  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON\*
- (other)

- 
- 
- 
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RECEIVED  
JAN 20 1984

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF  
OIL, GAS & MINING

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 Navajo Tribe decided not to use the subject well for water production. A dry hole marker was placed and a 12 cubic feet cement plug set in top of the casing. Rig tie downs were cut off. Reserve pit is fenced and waiting dry out. Job complete 12/15/83.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John Alexander TITLE Agent DATE 1/11/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: