



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED
MAR 12 1990

March 9, 1990

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Ref: Application for Permit to Drill: NW Cajon 1I-1 Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Application for Permit to Drill the NW Cajon 1I Well No. 1 in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the topography of the area surrounding the desired location is such as to preclude the well being located in accordance with State requirements and yet remain in a position which will allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements on topographic grounds. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\NWCAJ1I1\UTAHCOVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED

MAR 12 1990

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: **DIVISION OF OIL, GAS & MINING
315 North Behrend, Farmington, New Mexico 87401**

4. Location of Well (Report location clearly and in accordance with any State requirements.):
At surface: **1513' FSL, 227' FEL NESE**
At proposed prod. zone: **Same**

5. Lease Designation and Serial No.: **NOG 8702-1116**

6. If Indian, Allottee or Tribe Name: **Navajo Tribal**

7. Unit Agreement Name: _____

8. Farm or Lease Name: **NW Cajon 1I**

9. Well No.: **1**

10. Field and Pool, or Wildcat: **Wildcat Undesignated (0027)**

11. QQ, Sec., T., R., M., or Blk. and Survey or Area: **S1 T40S R24E**

12. County or Parrish: **San Juan** | 13. State: **Utah**

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. line, if any): _____

16. No. of acres in lease: _____

17. No. of acres assigned to this well: _____

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: _____

19. Proposed depth: **7,767' Mississippian**

20. Rotary or cable tools: **Rotary**

21. Elevations (Show whether DF, RT, GR, etc.): **5,067' GR**

22. Approx. date work will start*: **6-1-90**

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 lb	500'	371 sx '6' + 6% CaCl ₂
7 7/8"	5 1/2"	15.5-20 lb	7,767'	816 sx '6', 65:35 Poz + 6% Gel

Refer to attached 10-point Drilling Plan etc.

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. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: *R. Barnes* Title: Operations Manager Date: 3-9-90

(This space for Federal or State office use)

API NO. 43-037-31510 Approval Date _____

Approved by _____ Title _____

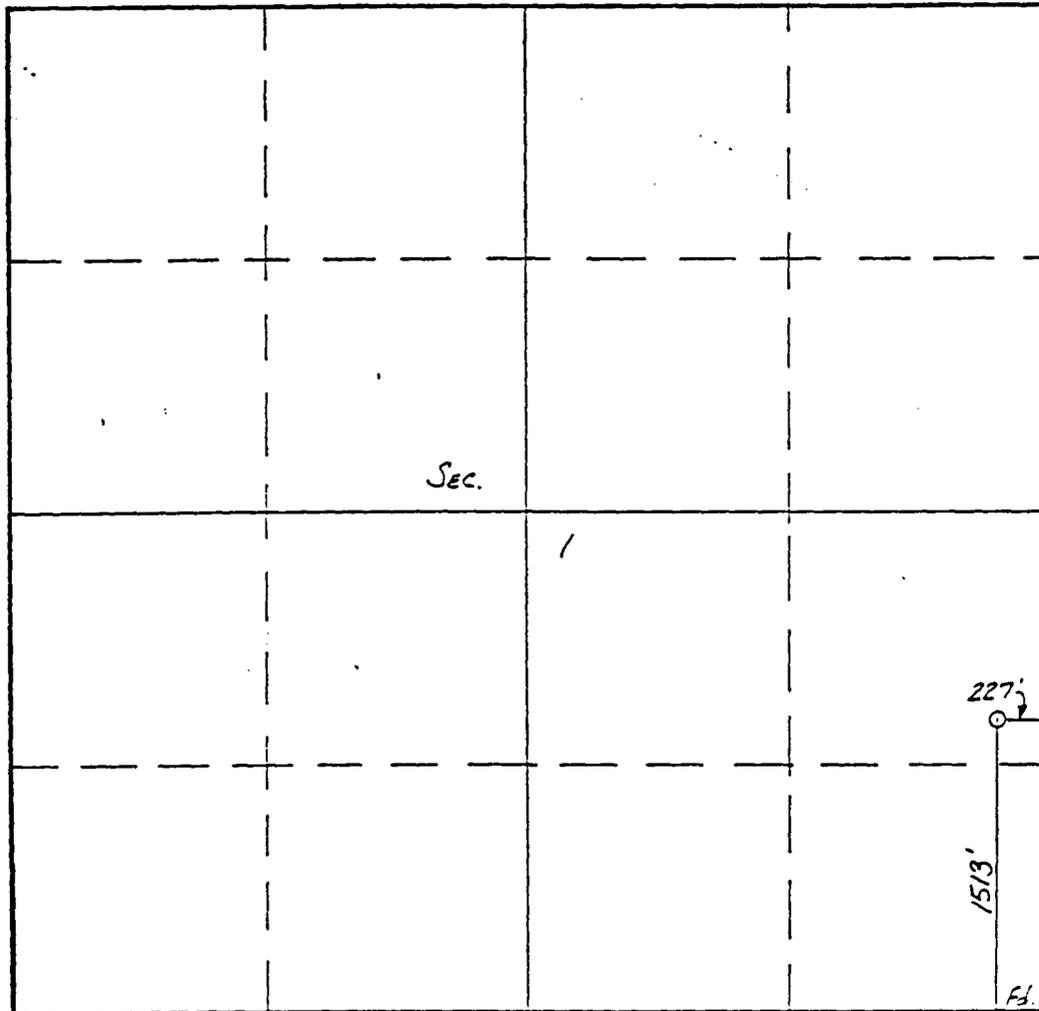
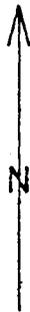
Conditions of approval, if any:

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

DATE: 3-21-90
BY: *John R. Bays*
WELL SPACING: R615-3-3

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY
 LEASE NW CAJON 1-I WELL NO. 1
 SEC. 1, T. 40 S, R. 24 E
 COUNTY San Juan STATE Utah
 LOCATION 1513'FSL & 227'FSL
 ELEVATION 5067



SCALE: 1" = 1000'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD
 NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
 AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
 KNOWLEDGE AND BELIEF.




 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED MAR. 1, 19 90

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

NW Cajon 1I Well No. 1
Section 1, Township 40S, Range 24E
1513' FSL, 227' FEL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Dakota/Burro Canyon

2. ELEVATION

Surface elevation is 5,067' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
Surface	Dakota/Burro Canyon	+ 5067'
1173'	Navajo	+ 3894'
1863'	Chinle	+ 3204'
2903'	DeChelly	+ 2164'
3083'	Organ Rock	+ 1984'
3783'	Cedar Mesa	+ 1284'
4952'	Hermosa	+ 115'
5842'	Upper Ismay	- 775'
5962'	Lower Ismay	- 895' Primary Target
6032'	Desert Creek	- 965' Primary Target
6192'	Akah	- 1125'
6632'	Barker Creek	- 1565'
7517'	Mississippian	- 2450'
7767'	Total Depth	- 2700'

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	7,767'	5 1/2"	See detailed program below		

Detailed production string (5 1/2"):

<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
0' - 40'	20.0 ppg	L-80	LTC
40' - 6,040'	15.5 ppg	K-55	LTC
6,040' - 6,790'	20.0 ppg	L-80	LTC
6,790' - 7,767'	17.0 ppg	K-55	LTC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

Production Cementing:

First Stage

TD to 4200' (stage collar @ ± 4200'). Lead with 278 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 629 ft³.

Second Stage

4200' to surface. Lead with 336 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 738 ft³.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

3500' to 6000'

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

6000' to TD

Saturated salt water, starch, salt gel. Weight 10.0 - 10.5 ppg, viscosity 35 - 40 sec/qt. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs. Mud system to be fully converted and conditioned prior to drilling into the Akah at \pm 6200'.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000'.

Drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated to be 27 days. Anticipated spud date is 6-1-90.

EXHIBIT "A"
BLOWOUT PREVENTER

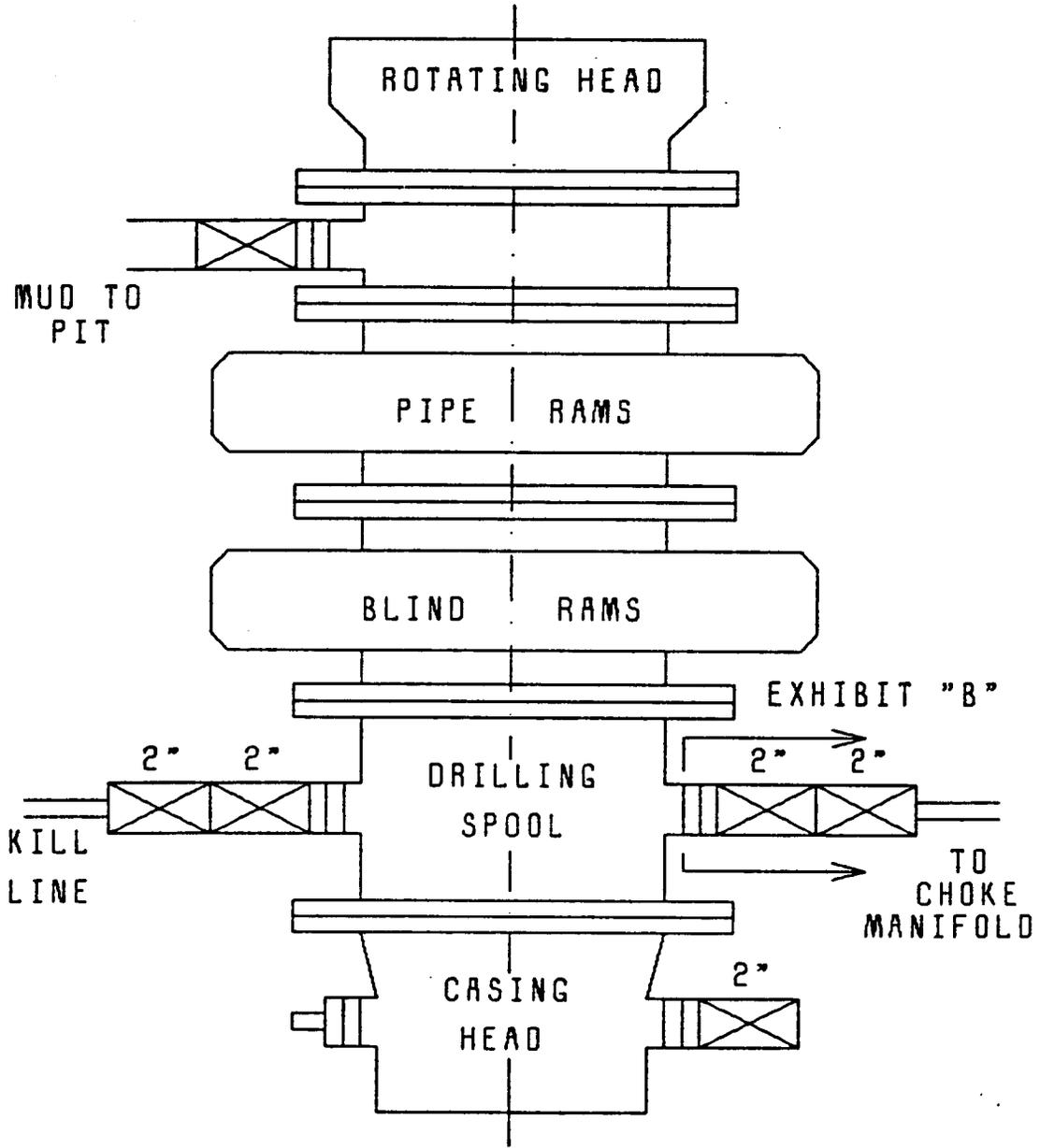
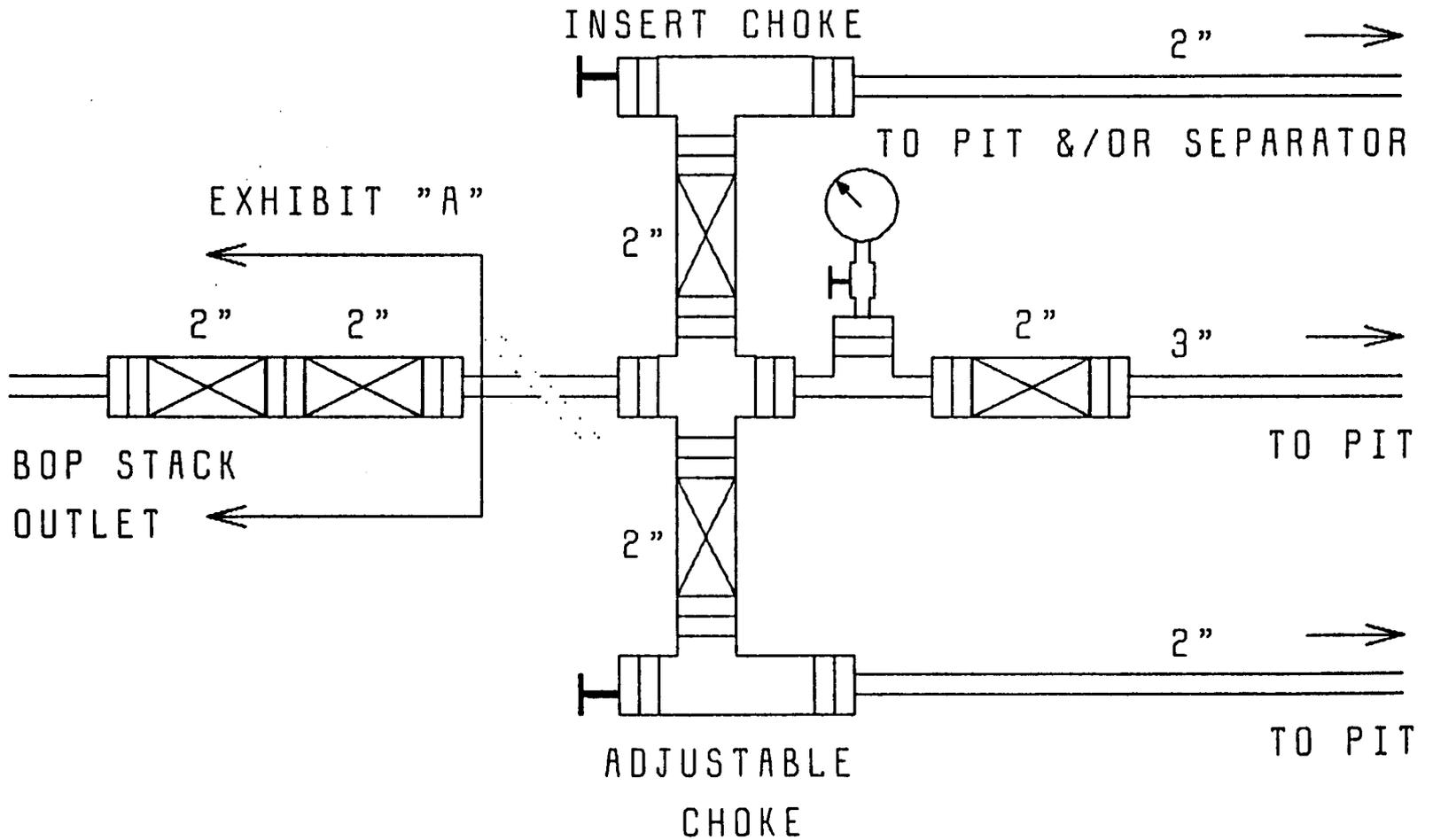


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: March 9, 1990

WELL NAME: NW Cajon 1I WELL NO.: 1

LOCATION: Section 1, Township 40S, Range 24E
1513' FSL, 227' FEL
San Juan County, Utah

ELEVATION: 5,067' GR

TOTAL DEPTH: 7,767'

PROJECTED HORIZON: Primary target is Lower Ismay at 5,962'.
Primary target is Desert Creek at 6,032'.

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to \pm 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1 at 500'. Deviation surveys will be run at least at 250' and at casing point.
4. Run 8 5/8", 24 lb/ft, K-55, STC casing to TD. Cement with 371 sx (427 ft³) of Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Ensure plug has been down a minimum of 8 hours prior to commencing pressure testing procedures. Pressure test BOP to 2,000 psi for 30 minutes. Pressure test manifold and all related equipment to 2,000 psi. Pressure test casing to 1,500 psi for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to \pm 6,000'. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5 at TD, with the maximum allowable rate of change to be 1/100'.

8. Break over fresh water mud to saturated salt water, starch, salt gel system. Ensure conversion is complete and mud is conditioned prior to drilling into the Akah at $\pm 6,200'$. Drill and survey to TD.
9. Run open hole logs and evaluate. Drill stem testing will be as per the wellsite geologist's recommendation.
10. If the well is determined to be productive, run 5 1/2" casing, as detailed in 10-Point Drilling Plan, to TD. Set stage cementing collar at $\pm 4,200'$. Cement in two stages as per cementing program in 10-point Drilling Plan.
11. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
12. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

NW Cajon 1I Well No. 1
Section 1, Township 40S, Range 24E
1513' FSL, 227' FEL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

NW Cajon 1I Well No. 1
Section 1, Township 40S, Range 24E
1513' FSL, 227' FEL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed on the Hovenweep road. Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD (SHOWN IN RED)

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Approximately 3000' of new road will be required to be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from a private source. The water will be hauled from a flowing well permitted to Hay Hot Oil Inc., permitted under Water Right 09-1419, A60809.

6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill requirements and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a generally north south trend and will require up to 8' of cut on the eastern side and up to 8' of fill in the north west corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11.

OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
315 NORTH BEHREND AVENUE
FARMINGTON, NEW MEXICO 87401
DONALD S. BARNES

12. CERTIFICATION

I hereby certify that either 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 this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.



DONALD S. BARNES
Operations Manager

CHUSKA ENERGY COMPANY

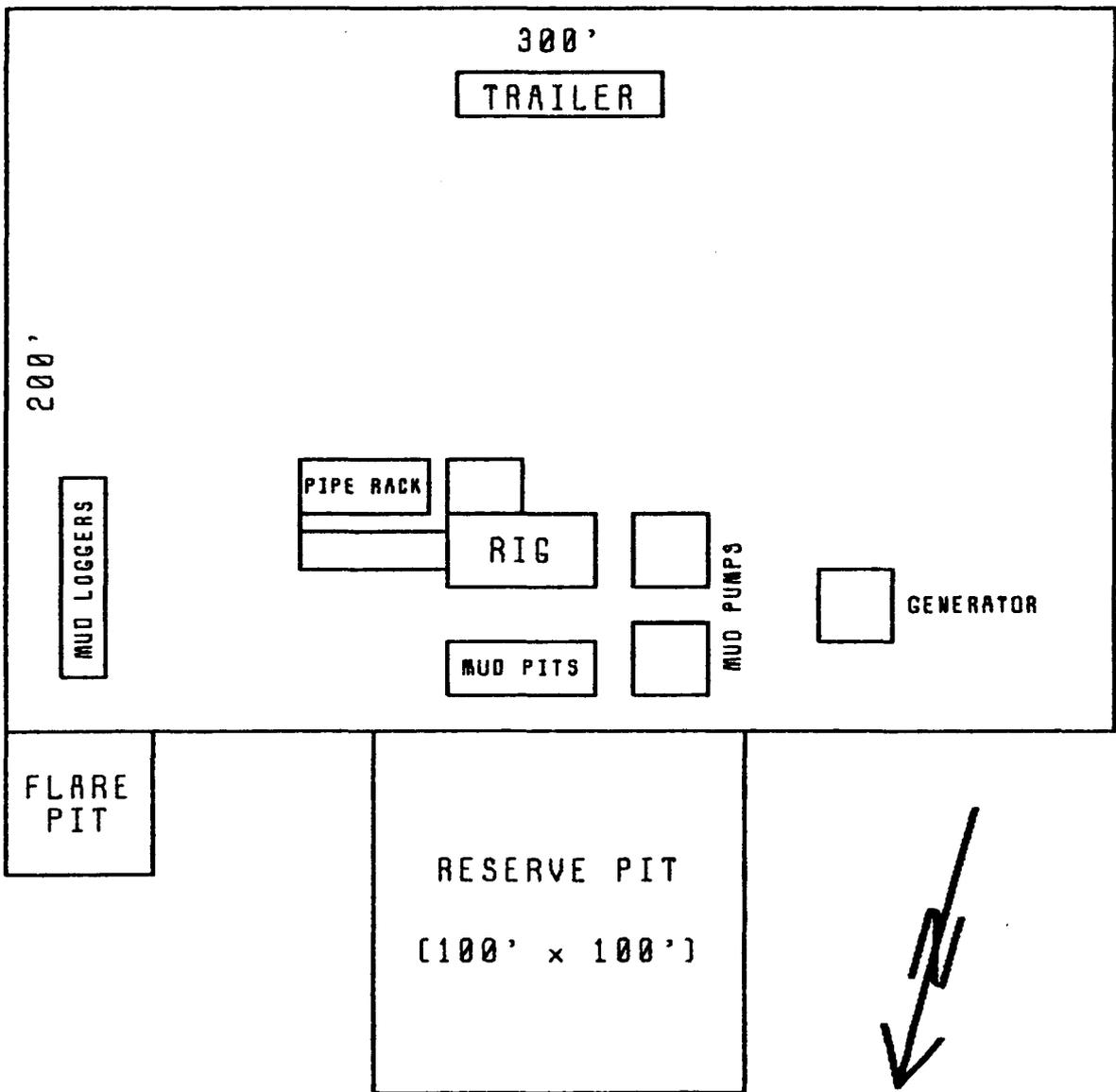
LOCATION LAYOUT

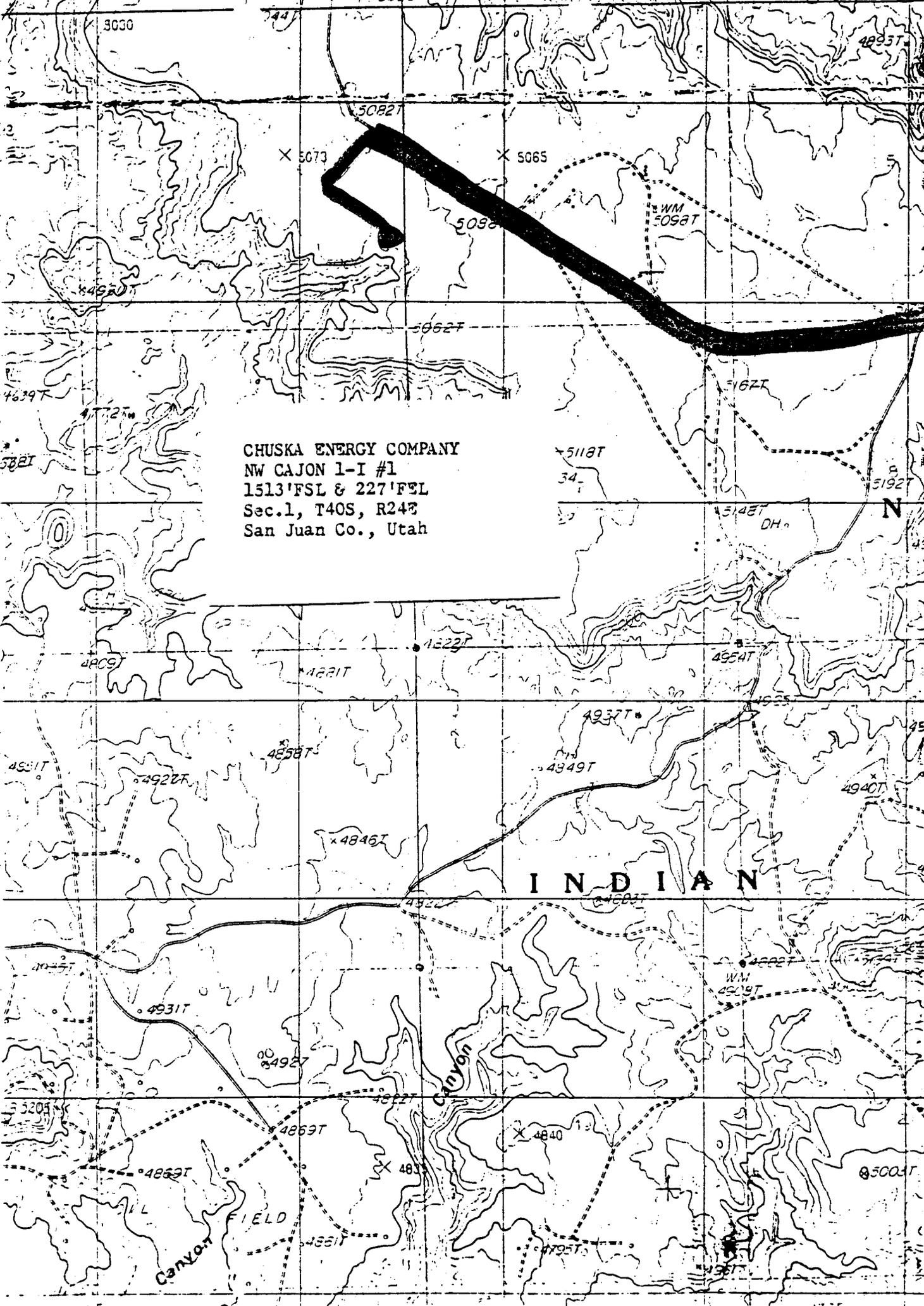
NW CAJON 1 I-1

1513' FSL, 227' FEL

SECTION 1, TOWNSHIP 40S, RANGE 24E

SAN JUAN COUNTY, UTAH





CHUSKA ENERGY COMPANY
NW CAJON 1-I #1
1513'FSL & 227'FEL
Sec.1, T40S, R24E
San Juan Co., Utah

INDIAN

Canyon FIELD

Cajon

WM
5098T

5167T

5118T

34

5148T
DH

5192T

N

5022T

4821T

4954T

4937T

4849T

4940T

4858T

4922T

4846T

4822T

WM
4919T

4931T

4927T

Cajon

4869T

X 4840

5005T

4859T

X 4833

4795T

5205T

4859T

4851T

4937T

3030

44

5082T

X 5073

X 5065

5098T

5062T

4639T

4772T

5081T

4809T

4851T

4057T

5205T

4937T

5192T

49

43

43

43

43

43

43

43

43

OPERATOR Chuska Energy Company (N9290) DATE 3-13-90

WELL NAME NW Canyon II #1

SEC NESE 1 T 40S R 24E COUNTY San Juan

43-037-31510
API NUMBER

Indian (2)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (sec. 1 & 40S 25E sec. 6)
Water Permit 09-1419 / A60809 (Hay Hot Oil, Inc.)
Exception Location requested (4/60' Radius)

APPROVAL LETTER:

SPACING: R615-2-3 N/A R515-3-2
UNIT
 N/A R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

cc: BIA



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

March 13, 1990

RECEIVED
MAR 15 1990

DIVISION OF
OIL, GAS & MINING

Chuska Energy Company
Attn: Donald S. Barnes, Operations Manager
315 North Behrend
Farmington, New Mexico 87401

43-037-31510 / ent.

- Re: 1) Barnes 18M Well #1: SW4SW4 Sec. 18, T40S, R25E, SLB&M
2) East Rim 15L Well #2: NW4SW4 Sec. 15, T40S, R25E, SLB&M
3) Finger Mesa 15P Well #1: SE4SE4 Sec. 15, T40S, R25E, SLB&M
4) NW Cajon 1I Well #1: NE4SE4 Sec. 1, T40S, R24E, SLB&M
5) Runway 10G Well #1: SW4NE4 Sec. 10, T40S, R25E, SLB&M

Dear Mr. Barnes:

This letter will serve as authorization from this Division to proceed with the drilling at the five noted locations. It is understood that the drilling and maintenance water will be hauled to the sites by Hay Hot Oil Inc. under their existing water right 09-1419 (A60809). It is also noted on your request that 1.0 acre feet of water will be required at each location.

If you have any questions concerning this matter, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

cc: ✓ Lisha Romero, Div. of Oil, Gas & Mining
Jerry Howell, Hay Hot Oil Inc.

MPP/mjk



CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

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MAR 12 1990

WATER RIGHTS
PRICE

March 9, 1990

RECEIVED
MAR 15 1990

DIVISION OF
CIVIL ENGINEERING

State of Utah
Water Rights Division
P.O. Box 718
Price, Utah 84501-0718

Attn: Mr Mark Page

Ref: <u>Water Use Permits:</u>	Barnes	18M	Well No. 1	SDSW	18 40 25
	East Rim	15L	Well No. 2	NWSD	15 40 25
	Finger Mesa	15P	Well No. 1	SESE	15 40 25
	NW Cajon	1I	Well No. 1	NESE	14 2 24
	Runway	10G	Well No. 1	SWNE	10 40 25

Dear Mr Page

Chuska Energy Company proposes to drill the subject wells commencing in late May/early June. We intend to haul water in tank trucks, utilizing Hay Hot Oil Service who will obtain water from their artesian well, details of which are as follows:

1050' FNL, 1575' FWL
S27 T40S R23E
San Juan County, Utah

Permit No: 09-1419 (A60809)

Anticipated water requirements are 1.0 acre-feet per well. Site locations are as detailed in the attached topographic map and staking plats.

Please advise if you require any further information.

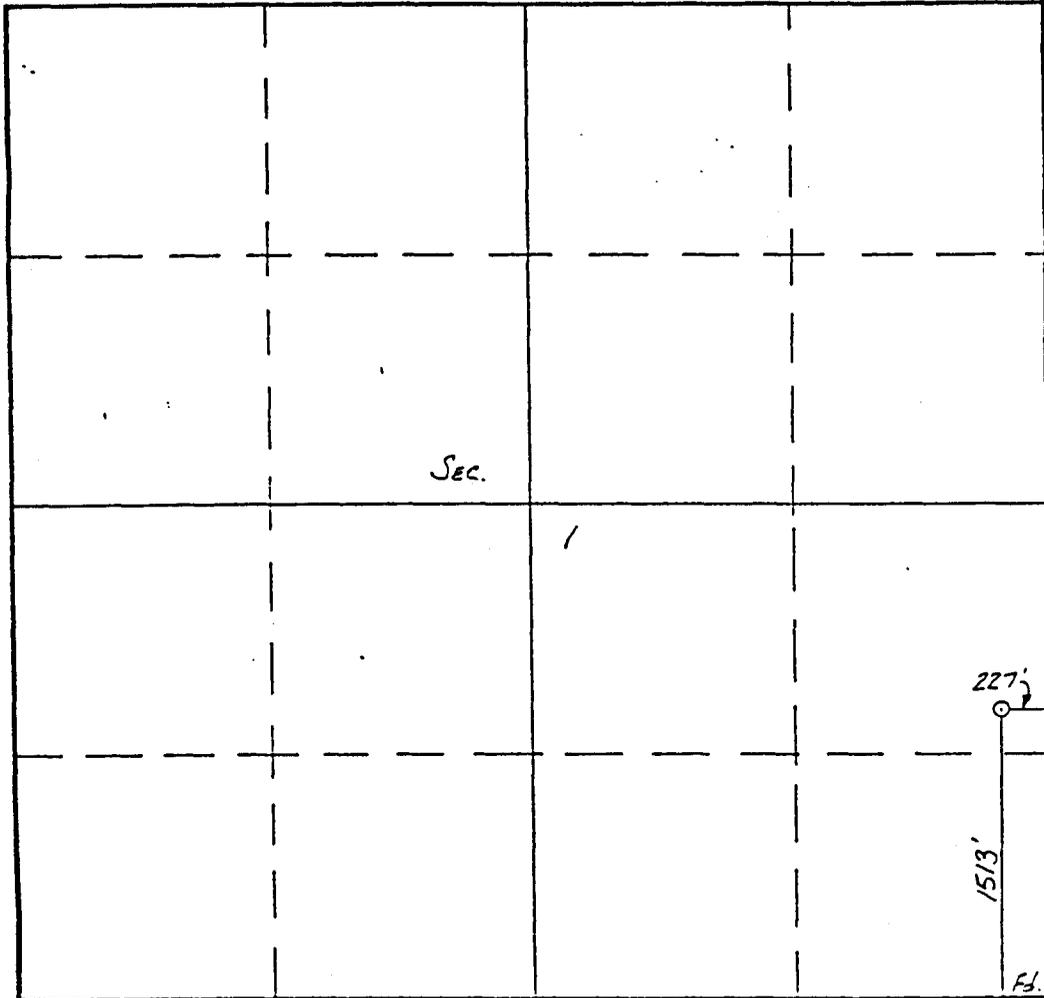
Sincerely yours

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\BARN18M1\WATER

encl.

COMPANY CHUSKA ENERGY COMPANY
 LEASE NW CAJON 1-I WELL NO. 1
 SEC. 1, T. 40 S, R. 24 E
 COUNTY San Juan STATE Utah
 LOCATION 1513'FSL & 227'FSL
 ELEVATION 5067



SCALE: 1" = 1000'

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 NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
 AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
 KNOWLEDGE AND BELIEF.

SEAL:



William E. Mahnke II

WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED MAR. 1, 1990

3030

4893T

5082T

X 5073

X 5065

5095T

WM 5098T

4950T

5062T

4639T

4772T

5162T

582T

CHUSKA ENERGY COMPANY
 NW CAJON 1-I #1
 1513'FSL & 227'FEL
 Sec.1, T40S, R24E
 San Juan Co., Utah

5118T

34

5192T

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4954T

4937T

4849T

4940T

4851T

4920T

4858T

4846T

INDIAN

4931T

4927T

WM 4909T

5209T

4869T

X 4840

5005T

Canyon
 FIELD
 Canyon

4851T

4795T

5072T



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 21, 1990

Chuska Energy Company
315 North Behrend
Farmington, New Mexico 87401

Gentlemen:

Re: NW Cajon 11 #1 - NE SE Sec. 1, T. 40S, R. 24E - San Juan County, Utah
1513' FSL, 227' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

Page 2
Chuska Energy Company
NW Cajon 11 #1
March 21, 1990

7. 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 43-037-31510.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
D. R. Nielson
J. L. Thompson
WE14/6-7



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

1 March, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

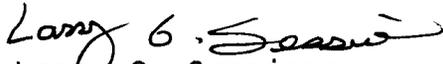
Ref: Sundry Notice: NW Cajon 11-1 Well
Application for Extension of APD

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\NWCAJON.11\EXAPDSUN.CVR

encl.

RECEIVED
MAR 04 1991

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number NOG 8702-1116
7. Indian Allottee or Tribe Name Navajo Tribal
8. Unit or Communitization Agreement
9. Well Name and Number NW Cajon 11 1
10. API Well Number <i>del</i> 43-037-31510
11. Field and Pool, or Wildcat Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT-- for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Chuska Energy Company	
3. Address of Operator 3315 Bloomfield Highway, Farmington, New Mexico 87401	4. Telephone Number 505-326-5525
5. Location of Well Footage : 1513' FSL, 227' FEL QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E County: San Juan State: UTAH	

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Extension of APD</u></td> <td></td> </tr> </table> <p style="margin-top: 10px;">Approximate Date Work Will Start <u>April, 1991</u></p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Extension of APD</u>		<table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p style="margin-top: 10px;">Date of Work Completion _____</p> <p style="font-size: small; margin-top: 5px;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Following further geological evaluation of the prospect and the need for review, drilling of the subject well has been delayed until later in 1991. Chuska Energy therefore applies for an extension to the APD for the subject well.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
3-11-91
[Signature]

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

Name & Signature <u>Christopher S.W. Hill</u> <i>[Signature]</i>	Title <u>Operations Engineer</u>	Date <u>1 Mar 91</u>
--	----------------------------------	----------------------

(State Use Only)

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31510 *dit*

SPUDDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY CO.

WELL NAME: NW CAJON / I-1

SECTION NESE 1 TOWNSHIP 40S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC WELL SERVICE

RIG # 222

SPUDDED: DATE 3-22-91

TIME 8:00 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY CHRIS HILL

TELEPHONE # 505-326-5525

OIL AND GAS

RJF	
FRM	
SLS	
GLH	
DTS	
TAS	
W-LWP	
B-JLT	
4. MICROFILM	
5. FILE	

DATE 3-22-91

SIGNED _____

TAS TAKEN BY: FRM

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

43-037-31510

NAME OF COMPANY: Chiuska

WELL NAME: Northwest Cahone 1 I-1

SECTION 1 TOWNSHIP 40S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Agtec Well Ser.

RIG # 222

Lease No NOG 8702-1116

SPUDED: DATE 3-22-91

TIME 8:00 AM

8 1/2 Surfer @ 500'

HOW Rotary

DRILLING WILL COMMENCE at time specified

REPORTED BY Chris Hill

TELEPHONE # 505-326-5525

DATE 3-22-91

SIGNED JM Newton

11:25 AM



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

25 March, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

MAR 28 1991

**DIVISION OF
OIL GAS & MINING**

Ref: Sundry Notice: NW Cajon 11-1 Well
Spud/Set Surface Casing

Gentlemen

Attached for your examination and approval are the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\NWCAJON.11\SPUDSUN.CVR

encl.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT-- for such proposals		6. Lease Designation and Serial Number NOG 8702-1116
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		7. Indian Allottee or Tribe Name Navajo Tribal
2. Name of Operator Chuska Energy Company		8. Unit or Communitization Agreement
3. Address of Operator 3315 Bloomfield Highway, Farmington, NM 87401		9. Well Name and Number NW Cajon 11 1
5. Location of Well Footage : 1513' FSL, 227' FEL QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E		10. API Well Number <i>del</i> 43-037-31510
4. Telephone Number 505-326-5525		11. Field and Pool, or Wildcat Wildcat
County : San Juan State : UTAH		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec Well Service Rig 222. Spudded 1700 hrs, 3-22-91. Drilled to 525'. RU and ran 12 joints 8 5/8", 24 lb/ft, K-55, STC casing and landed at 518'. Cemented with 375 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated 200 bbl slurry to surface. Notification of spud to State of Utah (Frank Matthews), by Chris Hill, at 1123 hrs, 3-22-91.

RECEIVED

MAR 28 1991

DIVISION OF
OIL GAS & MINING

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

Name & Signature Christopher S.W. Hill Title Operations Engineer Date 25 Mar 91

(State Use Only)

ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11210	43-037-31510 <i>del</i>	NW Cajon 11-1	NE/SE	1	40S	24E	San Juan	3-22-91	
WELL 1 COMMENTS: Spudded 1700 hrs, 3-22-91. Contractor is Aztec Well Service, Rig 222											
WELL 2 COMMENTS: <i>Indian - Lease Proposed Zone - mssp</i> <i>Field - Undesignated (Entity added 4-1-91) for</i> <i>Unit - N/A</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

MAR 28 1991

DIVISION OF
OIL GAS & MINING

[Signature]
Signature
Operations Engineer 32591
Title 32591
Date
Phone No. 505-326-5525



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

9 April, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

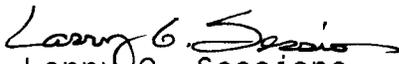
Ref: Sundry Notice: NW Cajon 11-1 Well
Production Casing

Gentlemen

Attached for your examination and approval are the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\NWCAJON.11\PRCSGSUN.CVR

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RECEIVED

APR 12 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
NOG 8702-1116

7. Indian Allottee or Tribe Name

Navajo Tribal

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT-- for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

9. Well Name and Number
NW Cajon 11 1

2. Name of Operator
Chuska Energy Company

10. API Well Number
43-037-31510 *del*

3. Address of Operator
3315 Bloomfield Highway, Farmington, NM 87401

4. Telephone Number
505-326-5525

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well
Footage : 1513' FSL, 227' FEL
County : San Juan
QQ, Sec, T., R., M. : NE/4 SE/4 S1 T40S R24E
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Production Casing
- New Construction
- Pull or Alter Casing
- Recompletion
- Vent or Flare
- Water Shut-Off

Date of Work Completion 4-8-91

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled to 6,224'. Logged. Ran 154 joints 5 1/2", 15.5 lb/ft, K-55, LTC casing and landed at 6,222'. Float collar at 6,199', DV tool at 3,489'. Cemented as follows:
Stage 1: Lead with 550 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 220 sx Class 'G' cement with 0.6% D-60 and 1/4 lb/sk Celloflake. Displaced with water. Dropped bomb and opened DV tool to circulate. Circulated 24 bbl slurry to surface.
Stage 2: Lead with 705 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 100 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Displaced with water. Circulated 18 bbl slurry to surface.
Rig released 2100 hrs, 4-8-91.

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

Name & Signature Christopher S.W. Hill

Title Operations Engineer

Date 9 Apr 91

(State Use Only)

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APR 12 1991



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

29 April, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

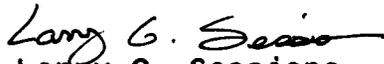
Ref: Sundry Notice: NW Cajon 11 #1 Well
First Sale of Oil

Gentlemen

Attached for your examination and approval are the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\NWCAJON.11\10ILSUN.CVR

encl.

RECEIVED

MAY 02 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number NOG 8702-1116
7. Indian Allottee or Tribe Name Navajo Tribal
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10. API Well Number 43-037-31510
11. Field and Pool, or Wildcat Wildcat

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3. Address of Operator 3315 Bloomfield Highway, Farmington, NM 87401	4. Telephone Number 505-326-5525
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County: San Juan State: UTAH	

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<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____	Date of Work Completion <u>4-28-91</u>

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First sale of oil from the subject well occurred on 4-28-91.

RECEIVED
MAY 02 1991
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name & Signature Christopher S.W. Hill  Title Operations Engineer Date 29 Apr 91
(State Use Only)



CHUSKA ENERGY COMPANY

1775 SHERMAN STREET - SUITE 1800 • DENVER, COLORADO 80203 • PHONE: (303) 863-7021
FAX #: (303) 863-7210

May 17, 1991

Ms. Vicki Kearney
Utah Oil & Gas Commission
355 West North Temple
Three Triad Center
Suite 350
Salt Lake City, Utah
84180-1203

Dear Ms. Kearney:

Please keep all Chuska Energy Company data confidential until further notice.

Thanks,

Herb

Herbert P. Mosca
Chuska Staff Geologist

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

CHECKLIST FOR MICROFILMING

COUNTY:

SECTION: TOWNSHIP: RANGE:

OPERATOR:

WELL NAME:

API NO. 43- _____ - _____

WELL STATUS: DR P&A POW

YEAR OF COMPLETION: _____

LOCATION: _____ FSL FNL _____ FEL FWL 1/4 1/4 _____

LEASE STATUS: FED STATE FEE INDIAN

BOND STATUS: YES NO

APD

PLAT MAP

SPUD DATE

WELL COMPLETION

P&A REPORT AFTER ACTIVE COMPLETION

FORMATION TOPS

FIELD

LOGS



NOTES

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

September 7, 1993

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

Attn: Mr. R.J. Firth
Associate Director

RE: Utah Division of Oil, Gas and Mining's
Reporting Requirements

Dear Mr. Firth:

Enclosed please find the following reports and well logs run on wells drilled by Chuska Energy Company during the period January 1, 1992 forward. The Production Reports were filed in June under a separate cover letter by our home office, Harken Energy Company, out of Dallas. We have received conflicting statements as to whether or not the data was received. Therefore, a second set of Production reports from January 1992 forward are also forwarded to your office under this cover letter.

APD(S), SUNDRY NOTICES AND ENTITY ACTION FORMS

Barnes 18M
Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Crane 35H
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Heron 35H(A)
Jack 31G
Kokopelli 29I
Lark 19B
Lark 19B(G)
Lighting Rock 2E
Lizard 4M
Lone Mountain Creek 12F-1

Monument 17E-2
Mule 31K
Mule 31K(N)
Mule 31M
NW Cajon 1I-1
North Heron 35C
Northwest Cajon 6E
North Cajon Mesa 5E-1
North Ruins 16K
Red Lake 25B
Tower 1F
Box Canyon 5F
Shalene 11K
South Triangle 7I
West Clay Hill 5B(A)

RECEIVED

SEP 10 1993

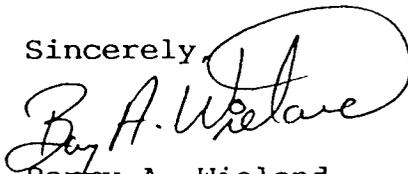
DIVISION OF
OIL, GAS & MINING

LOGS

Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Jack 31G
Kokopelli 29I
Lark 19B(G)
Lighting Rock 2E
Lone Mountain Creek 12F-1
Mule 31K(N)
Mule 31M
North Cajon Mesa 5E-1
North Heron 35C
N.W. Cajon 1I-1
N.W. Cajon 6E
Red Lake 25B
West Clay Hill 5B(A)

If you should have any further questions, please don't
hesitate to contact me, or Nell Lindenmeyer, at 505-326-
5525.

Sincerely,



Barry A. Wieland
Operations Manager

Enclosures
cc: Well File

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED
MAR 14 1991

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center">Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT-- for such proposals</p>		6. Lease Designation and Serial Number NOG 8702-1116
		7. Indian Allottee or Tribe Name Navajo Tribal
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		8. Unit or Communitization Agreement
2. Name of Operator Chuska Energy Company		9. Well Name and Number NW Cajon 11 1
3. Address of Operator 3315 Bloomfield Highway, Farmington, New Mexico 87401		10. API Well Number 43-037-31510 X
4. Telephone Number 505-326-5525		11. Field and Pool, or Wildcat Wildcat
5. Location of Well Footage : 1513' FSL, 227' FEL QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E County : San Juan State : UTAH		

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p align="center">NOTICE OF INTENT (Submit in Duplicates)</p> <table border="0"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Extension of APD</u></td> <td></td> </tr> </table> <p>Approximate Date Work Will Start <u>April, 1991</u></p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Extension of APD</u>		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table border="0"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Extension of APD</u>																											
<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Following further geological evaluation of the prospect and the need for review, drilling of the subject well has been delayed until later in 1991. Chuska Energy therefore applies for an extension to the APD for the subject well.

COPY

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

3-11-91
[Signature]

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

Name & Signature Christopher S.W. Hill *[Signature]* Title Operations Engineer Date 1 Mar 91

(State Use Only)

SEP 10 1991

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR 3315 Bloomfield Highway, Farmington, New Mexico 87401		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 1513' FSL, 227' FEL		8. FARM OR LEASE NAME NW Cajon 11
		9. WELL NO. 1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S1 T40S R24E
14. PERMIT NO. 43-037-31510	15. ELEVATIONS (Show whether 5,067' GR	12. COUNTY OR PARISH San Juan
		13. STATE Utah

NW Cajon
1 I #1

16. Check Appropriate Box To Indicate Reason for Notice of Intention To:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	(Other) _____	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		
(Other) Extension of APD <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.)*

Following further geological evaluation of the prospect and the need for review, drilling of the subject well has been delayed until later in 1991. Chuska Energy therefore applies for an extension to the APD for the subject well.

SEP 10 1993

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

SIGNED Christopher S. Hill TITLE Operations Engineer DATE 1 Mar 91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

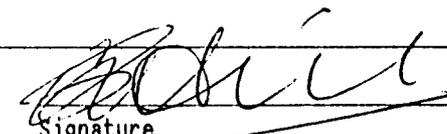
ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11210 →		43-037-31510	NW Cajon 11-1	NE/SE	1	40S	24E	San Juan	3-22-91	
WELL 1 COMMENTS: Spudded 1700 hrs, 3-22-91. Contractor is Aztec Well Service, Rig 222 <i>Entity previously added 4-1-91. Jca</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

SEP 10 1993


 Signature _____
 Operations Engineer _____ 3/25/91
 Title _____ Date _____
 Phone No. 505-326-5525

UTAH COMPLETIONS

FINAL CLASS: WF = UNSUCCESSFUL NEW FIELD WILDCAT; WFD = NEW FIELD DISCOVERY; WD = UNSUCCESSFUL DEEPER POOL WILDCAT; WDD = DEEPER POOL DISCOVERY; WS = UNSUCCESSFUL SHALLOWER POOL WILDCAT; WSD = SHALLOW POOL DISCOVERY; WP = UNSUCCESSFUL NEW POOL WILDCAT; WPD = NEW POOL DISCOVERY; WO = UNSUCCESSFUL WILDCAT OUTPOST; WOE = WILDCAT OUTPOST EXTENSION; D = UNSUCCESSFUL DEVELOPMENT WELL; DO = DEVELOPMENT OIL WELL; DG = DEVELOPMENT GAS WELL.

GRAND COUNTY

LONE MOUNTAIN PROD 31-16S-26E SAN ARROYO; 4505 DAKOTA, (FR 05/08/91CA) OPER ADD: BOX 3394, DG
47 FEDERAL NE NW NE BILLINGS, MT, 59103 PHONE (406) 245-5077; EL: 5585 KB; LOCATION GAS
API 43-019-31318 600 FNL 1400 FEL DATA: 31 MI NE CISCO, UT; AMMANN BASE MAP UT-8,
IC 430197000491

CONTR: VECO DRLG, RIG #2; SPUD: 07/01/91, CSG: 9 5/8 @ 390 W/240 SX, 4 1/2 @ 4204 W/225 SX; TBG: 2 3/8 @ 4006; LOG TYPES: CBL, CCL, CNL, DILL, FDC, GRL, SP, VD; LOG TOPS: CASTLEGATE 256, MANCOS 360, DAKOTA SILT 3730, DAKOTA 3840, MORRISON 3933; 4505 TD, (MORRISON) (TD REACHED: 07/05/91) 4044 PBD RIG REL: 07/07/91; PRODUCING INTERVAL(S) DATA: PERF (DAKOTA) 3840-3933 W/1 PF, PERF (MORRISON) 3996-4008 W/1 PF, ACID (3848-4002) W/ 500 GALS, 15% MSR SWFR (3848-4002) W/ 47000 GALS, 135000 LBS SAND, 15000# 100 MESH SD, 120000# 20/40 SD, 4505 TD, PB 4044. COMP 8/15/91, IPF 1030 MCFGPD, 48/64 CK, SITP 71, SICP 210. PROD ZONE - DAKOTA 3840-3933, MORRISON 3996-4008. COMMINGLED. NO CORES OR DSTS

SAN JUAN COUNTY

CHUSKA ENERGY 1-40S-24E UNNAMED; 7767 MISSISSIPPIAN, (FR 03/14/90FM) OPER ADD: 315 N WFD
1 NW CAJON 11 SE NE SE BEHREND, FARMINGTON, NM, 87401 PHONE (505) 326-5525; EL: 5081 KB; OIL
API 43-037-31510 1513 FSL 227 FEL GEOL: K HAYES LOCATION DATA: 1 1/2 MI NE ANETH GREATER
IC 430377003990 FLD(DESERT CREEK/ISMAY) 24 MI SE BLANDING, UT; AMMANN BASE MAP
UT-9, POMCO MAP U-84,

CONTR: AZTEC WELL SRVCG, RIG #222; SPUD: 03/22/91, CSG: 8 5/8 @ 518 W/375 SX, 5 1/2 @ 6222 W/1575 SX; LOG TYPES: BHCS 1500-6198, CNL 4000-6224, CWL 516-5800, DLL 516-6224, FDL 4000-6224, MICL 5200-6199, MSFL 516-6224; 6227 TD, (DESERT CREEK) (TD REACHED: 04/06/91) BHT: 132F; PRODUCING INTERVAL(S) DATA: PERF (DESERT CREEK) 6142-6152 W/4 PF ACID (6142-6152) W/ 3100 GALS, IP NOT RPTD. 6227 LTD, 6224 DTD. COMP 4/28/91, OIL WELL. PROD ZONE - DESERT CREEK 6142-6152. (DESERT CREEK DISCOVERY-NEW FIELD) WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE

CHUSKA ENERGY ✓ 11-41S-23E ANETH GREATER; 5904, (FR 11/26/90DN) OPER ADD: BOX 780, WO
BUCKHORN 11L NE NW SW FARMINGTON, NM, 87499 PHONE (505) 326-5525; EL: 4542 KB; GEOL: MEADE D&A
API 43-037-31577 2100 FSL 1250 FWL LOCATION DATA: 1/2 MI W OF FLD(PARADOX/DESERT CREEK/ISMAY) 10
IC 430377010090 1/2 MI E-SE BLUFF, UT; AMMANN BASE MAP UT-9, POMCO MAP U-83,

CONTR: AZTEC WELL SRVCG, RIG #184; SPUD: 04/02/91, CSG: 8 5/8 @ 780 W/700 SX; LOG TYPES: BHCS 778-5894, CNL 4000-5900, CWL 4000-5900, DLL 778-5894, LDT 4000-5900, MSFL 778-5894; DRLG COMMENTS: LOG TOPS NOT RPTD. 5904 TD, (UNKNOWN) (TD REACHED: 04/17/91) BHT: 123FRIG REL: 04/18/91; 5904 DTD, 5904 LTD. COMP 4/18/91, D&A. WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE

CHUSKA ENERGY ✓ 5-43S-25E WILDCAT; 6090, (FR 12/07/90DN) OPER ADD: BOX 780, FARMINGTON, NM, WF
1 TAIPAN 5F SE SE NW 87499 PHONE (505) 326-5525; EL: 5015 GR; LOCATION DATA: 2 MI NE D&A
API 43-037-31594 2380 FNL 2230 FWL ANIDO CREEK FLD(PARADOX/ISMAY-DESERT CREEK)SI 6 1/2 MI SE ANETH
IC 430377011890 GREATER FLD(DESERT CREEK/PARADOX) 9 1/2 MI S ANETH, UT; AMMANN
BASE MAP UT-9, POMCO MAP U-84,

CONTR: AZTEC WELL SRVCG, RIG #222; SPUD: 04/25/91, CSG: 8 5/8 @ 520 W/375 SX; DRLG COMMENTS: LOG TOPS NOT RPTD. 5967 TD, (UNKNOWN) (TD REACHED: 05/07/91); 5967 TD. COMP 5/8/91, D&A. WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE

UINTAH COUNTY

WARREN AMERICAN OIL 24-4S-1E UNNAMED; 6500 GREEN RIVER, (FR 05/03/91CA) OPER ADD: BOX 470372, D
24-1 UTE SW SW SW TULSA, OK, 74147-0372 PHONE (918) 492-8100; EL: 5094 GR; LOCATION
API 43-047-32015 480 FSL 460 FWL DATA: 9 MI NW OURAY, UT; AMMANN BASE MAP UT-8,
IC 430477009491

ABND LOC 09/18/91;

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

SEP 10 1993

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Chuska Energy Company

3. Address and Telephone No.
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., N., or Survey Description)
1513' FSL, 227' FEL, S1, T40S, R24E

8. Well Name and No.

NW Cajon 11 1

9. API Well No.

43-037-31510

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Production Casing
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-off
 Conversion to Injection
 Dispose Water

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

13. 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 directional, drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 6,224'. Logged. Ran 154 joints 5 1/2", 15.5 lb/ft, K-55, LTC casing and landed at 6,222'. Float collar at 6,199', DV tool at 3,489'. Cemented as follows:
Stage 1: Lead with 550 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 220 sx Class 'G' cement with 0.6% D-60 and 1/4 lb/sk Celloflake. Displaced with water. Dropped bomb and opened DV tool to circulate. Circulated 24 bbl slurry to surface.
Stage 2: Lead with 705 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 100 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Displaced with water. Circulated 18 bbl slurry to surface.
Rig released 2100 hrs, 4-8-91. Notification of casing job to BLM (recording) at 1900 hrs, 4-7-91, by Chris Hill.

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

Signed [Signature] Title Operations Engineer Date 9 Apr 91

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any

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.

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Chuska Energy Company

3. Address and Telephone No.
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., N., or Survey Description)
1513' FSL, 227' FEL, S1, T40S, R24E

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires: March 31, 1993

5. Lease Designation and Serial No.
NOG 8702-1116

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.
NW Cajon 11 1

9. API Well No.
43-037-31510

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> other <u>First Sale of Oil</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

First sale of oil from the subject well occurred on 4-28-91.

SPR 10 1991

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

Signed [Signature] Title Operations Engineer Date 29 Apr 91

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any _____

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.

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1991

5. Lease Designation and Serial No.
NOG 8702-1116

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.
NW Cajon 11 1

9. API Well No.
43-037-31510

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
San Juan, Utah

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Chuska Energy Company

3. Address and Telephone No.
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., N., or Survey Description)
1513' FSL, 227' FEL, S1, T40S, R24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Spud/Surface Casing</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

MIRU Aztec Well Service Rig 222. Spudded 1700 hrs, 3-22-91. Drilled to 525'. RU and ran 12 joints 8 5/8", 24 lb/ft, K-55, STC casing and landed at 518'. Cemented with 375 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated 200 bbl slurry to surface. Notification of spud to BLM (recording), by Chris Hill, at 1723 hrs, 3-21-91.

SEP 10 1991

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

Signed  Title Operations Engineer Date 25 Mar 91

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any _____

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.

*See Instructions On Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
NOG 8702-1116

7. Indian Allottee or Tribe Name
Navajo Tribal

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for each proposal.

1. Type of Well
 Oil Well Gas Well Other (specify)

9. Well Name and Number
NW Cajon 11 1

2. Name of Operator
Chuska Energy Company

10. API Well Number
43-037-31510

3. Address of Operator
3315 Bloomfield Highway, Farmington, NM 87401

4. Telephone Number
505-326-5525

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well
Footage : 1513' FSL, 227' FEL
QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E
County: San Juan
State: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other First Sale of Oil
- New Construction
- Pull or Alter Casing
- Recompletion
- Vent or Flare
- Water Shut-Off

Date of Work Completion 4-28-91

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First sale of oil from the subject well occurred on 4-28-91.

SEP 10 1993

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

Name & Signature Barry A. Wieland  Title Operations Manager Date 5-26-93

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
NOG 8702-1116

7. Indian Allottee or Tribe Name
Navajo Tribal

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT-- for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

9. Well Name and Number
NW Cajon 11 1

2. Name of Operator
Chuska Energy Company

10. API Well Number
43-037-31510

3. Address of Operator
3315 Bloomfield Highway, Farmington, New Mexico 87401

4. Telephone Number
505-326-5525

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well
Footage : 1513' FSL, 227' FEL
QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E
County: San Juan
State: UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Extension of APD
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start April, 1991

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Vent or Flare
- Water Shut-Off

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Following further geological evaluation of the prospect and the need for review, drilling of the subject well has been delayed until later in 1991. Chuska Energy therefore applies for an extension to the APD for the subject well.

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

Name & Signature Barry A. Wieland  Title Operations Manager Date 5-26-93

(State Use Only)

SEP 10 1993

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
NOG 8702-1116

7. Indian Allottee or Tribe Name

Navajo Tribal

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT-- for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

9. Well Name and Number
NW Cajon 11 1

2. Name of Operator
Chuska Energy Company

10. API Well Number
43-037-31510

3. Address of Operator
3315 Bloomfield Highway, Farmington, NM 87401

4. Telephone Number
505-326-5525

11. Field and Pool, or Wildcat
Wildcat

5. Location of Well
Footage : 1513' FSL, 227' FEL
QQ, Sec. 7, R. 1, M.: NE/4 SE/4 S1 T40S R24E

County: San Juan
State: UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Production Casing
- New Construction
- Pull or Alter Casing
- Recompletion
- Vent or Flare
- Water Shut-Off

Date of Work Completion 4-8-91

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled to 6,224'. Logged. Ran 154 joints 5 1/2", 15.5 lb/ft, K-55, LTC casing and landed at 6,222'. Float collar at 6,199', DV tool at 3,489'. Cemented as follows:
Stage 1: Lead with 550 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 220 sx Class 'G' cement with 0.6% D-60 and 1/4 lb/sk Celloflake. Displaced with water. Dropped bomb and opened DV tool to circulate. Circulated 24 bbl slurry to surface.
Stage 2: Lead with 705 sx Class 'G' cement, 35:65 Poz with 6% gel and 1/4 lb/sk Celloflake. Tail with 100 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Displaced with water. Circulated 18 bbl slurry to surface.
Rig released 2100 hrs, 4-8-91.

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

Name & Signature

Barry A. Wieland



Title Operations Manager

Date 5-26-93

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number NOG 8702-1116
7. Indian Allottee or Tribe Name Navajo Tribal
8. Unit or Communitization Agreement
9. Well Name and Number NW Cajon 11 1
10. API Well Number 43-037-31510
11. Field and Pool, or Wildcat Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT-- for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)
2. Name of Operator Chuska Energy Company
3. Address of Operator 3315 Bloomfield Highway, Farmington, NM 87401
4. Telephone Number 505-326-5525
5. Location of Well Footage : 1513' FSL, 227' FEL QQ, Sec. T., R., M.: NE/4 SE/4 S1 T40S R24E County: San Juan State: UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment	<input type="checkbox"/> Abandonment *
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Fracture Treat
<input type="checkbox"/> Multiple Completion	<input checked="" type="checkbox"/> Other <u>Soud/Surface Casing</u>
<input type="checkbox"/> Other _____	
<input type="checkbox"/> New Construction	<input type="checkbox"/> New Construction
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Water Shut-Off	

Approximate Date Work Will Start _____

Date of Work Completion 3-24-91

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec Well Service Rig 222. Spudded 1700 hrs, 3-22-91. Drilled to 525'. RU and ran 12 joints 8 5/8", 24 lb/ft, K-55, STC casing and landed at 518'. Cemented with 375 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated 200 bbl slurry to surface. Notification of spud to State of Utah (Frank Matthews), by Chris Hill, at 1123 hrs, 3-22-91.

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

Name & Signature Barry A. Wieland  Title Operations Manager Date 5-26-93

(State Use Only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

LARRY G SESSIONS
 CHUSKA ENERGY COMPANY
 3315 BLOOMFIELD HWY
 FARMINGTON NM 87401

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entry	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ 4303731550	11128	40S 25E 10	DSCR					
✓ 4303731547	11139	40S 25E 17	DSCR					
✓ 4303731546	11145	39S 25E 33	IS-DC					
✓ 4303731545	11148	42S 24E 12	DSCR					
✓ 4303731597	11152	40S 25E 10	DSCR					
✓ 4303731562	11161	42S 23E 1	DSCR					
✓ 4303731572	11207	42S 24E 5	PRDX					
✓ 4303731510	11210	40S 24E 1	DSCR					
✓ 4303731573	11215	42S 23E 2	PRDX					
✓ 4303731595	11224	41S 23E 36	PRDX					
✓ 4303731617	11326	41S 24E 31	DSCR					
✓ 4303731616	11479	41S 25E 35	DSCR					
✓ 4303731708	11496	41S 24E 31	DSCR	No Card K/DTS NO FILE		✓ done / 01/93		
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

We are pleased to announce that effective January 18, 1994, Chuska Energy Company, has changed its name to Harken Southwest Corporation. This is in line with the February 1993 merger with Harken Exploration Company.

Harken Southwest Corporation is still located at 3315 Bloomfield Highway, Farmington, New Mexico, 87401. You may still contact us at (505) 326-5525.

Please reflect this name change as necessary on all future correspondence.

Thank you for your assistance in this matter and we look forward to working with you as Harken Southwest Corporation.

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
Oper. Nm. Change

1. Date of Phone Call: 2-9-94 Time: 12:29

2. DOGM Employee (name) L. Cordova (Initiated Call)
Talked to:

Name Wayne Townsend (Initiated Call) - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Btm / Farmington N.M.

3. Topic of Conversation: Chuska Energy Co. to Harken Southwest Corp.

4. Highlights of Conversation: _____

They have not rec'd doc. of name change. When they do receive doc. they
will most likely keep "Chuska" as operator yet mail any correspondence
% Harken, until BIA approval. (BIA approval may take a while!)

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJB	
5-ILC	
6-PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-18-94)

TO (new operator) HARKEN SOUTHWEST CORPORATION FROM (former operator) CHUSKA ENERGY COMPANY
 (address) 3315 BLOOMFIELD HWY (address) 3315 BLOOMFIELD HWY
FARMINGTON NM 87401 FARMINGTON NM 87401
 phone (505) 326-5525 phone (505) 326-5525
 account no. N 9290 account no. N9290

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>037-31510</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-7-94)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes)/no) ____ If yes, show company file number: #096704.
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-10-94)*
- Lee 6. Cardex file has been updated for each well listed above. *(2-10-94)*
- Lee 7. Well file labels have been updated for each well listed above. *(2-10-94)*
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 7 1994.

FILING

- See 1. Copies of all attachments to this form have been filed in each well file.
- See 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

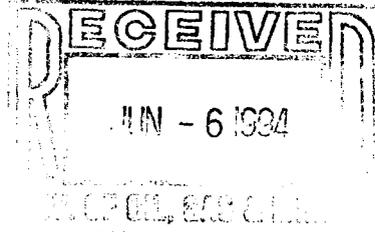


HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

June 2, 1994

State of Utah
Division of Oil, Gas and Mining
355 N. Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203



Gentlemen:

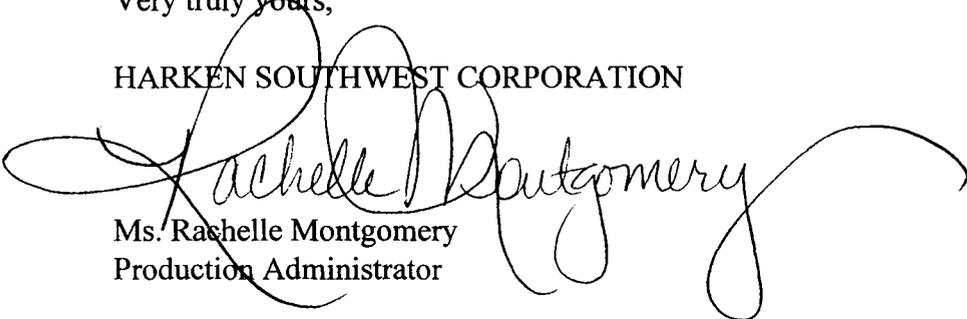
Enclosed please find copies of the P&A reports on the following wells, as submitted to and approved by the BLM:

N. W. Cajon II-1	43-037-31510 (#11210)	San Juan Co., UT
Heron 35 H (A)	43-037-31615 (#11499)	San Juan Co., UT

I hope this documentation will be sufficient to remove the above referenced wells from the Monthly Oil and Gas Production Report (Form 10). However, if additional information is required, please contact the undersigned at the letterhead address.

Very truly yours,

HARKEN SOUTHWEST CORPORATION


Ms. Rashelle Montgomery
Production Administrator

/rlm

Enclosures (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

123456789010111213
FEB 1994
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0125
Expires: March 31, 1993

54 FEB -1 PM 4:21

5. Lease Designation and Serial No.

7-1172

6. If Indian, Allotment or Tribe Name

Navajo Tribal

7. If Utah or CA, Agreement Designation

N/A

8. Well Name and No.

NW Cajon 11-1

9. API Well No.

43-037-31510

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or to permit a new independent reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other P&A

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1513' FSL & 227' FEL
Section 1-T40S-R25E 24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other P&A
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log

13. 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 give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugging operations commenced @ 11:00 A.M., 12/8/93, and witnessed by Kevin Schneider, BLM. Rig Contractor was Montezuma Well Service Rig #15. All plugs were Class 'B' cement.

PLUG	DEPTH	SXS	FORMATION
1	6215-5491'	162 sxs*	Upper Ismay, Lower Ismay, Desert Crk, Chimney Rock & Akah (5882-6194)
2	4988-4820	19 sxs	Hermosa @ 4923'
3	3202-2911	33 sxs	DeChelly @ 3008'
4	2001-1833	19 sxs	Chinle @ 1937'
5	1262-1103	18 sxs	Navajo @ 1205'
6	585-417	19 sxs	Surf Csg Shoe @ 518'
7	92-Surface	15 sxs	n/a

PBTD @ 6215'

*Plug #1 (90 sxs): PBTD 6127'. Tagged 6127' on 12/9/93 & Pressure tested to 575 psi. Complete plug #1 by pumping 72 sxs Cl 'G' (1.18 ft²/sx) from 6127-5491 (85 ft³).

Approved as to plugging of the well bore.
Liability under bond is retained until surface restoration is completed.

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

Signed Yong A. Chuska Title Production Engineer Date 1/11/94

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any:

APPROVED

FEB 07 1994

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 statement or fraudulent representation as to any matter within its jurisdiction.

OPERATOR

DISTRICT MANAGER

*See instruction on Reverse Side