

CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

3 August, 1990

RECEIVED
AUG 06 1990

DIVISION OF
OIL, GAS & MINING

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: Application for Permit to Drill
Lone Mountain Creek 12F-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 Lone Mountain Creek 12F 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 either controls the acreage surrounding the proposed site or it is open Tribal land, as indicated on the attached land plat.

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

Sincerely,

Larry G. Sessions
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\LONEMTCK.12F\APDCOVER

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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

2. Name of Operator
 Chuska Energy Company

3. Address of Operator
 P.O. Box 780, Farmington, New Mexico 87499

4. Location of Well (Report location clearly and in accordance with any state requirements.)
 At Surface: 1,810' FNL, 1,470' FWL
 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
 Lone Mountain Creek 12F

9. Well No.
 1

10. Field and Pool, or Wildcat.
 Wildcat Undesignated

11. QQ, Sec., T., R., N., or Blk. and Survey or Area
 S12 T42S R24E

12. County or Parish
 San Juan

13. State
 Utah

14. Distance in miles and direction from nearest town or post office*
 5 1/2 miles SSW of Aneth

15. Distance from proposed location to nearest* property or lease line, ft. (Also to nearest drlg. line, if any)
 1,470'

16. No. of acres in lease
 49,997

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
 5,506' GR Akah

20. Rotary or cable tools
 Rotary

21. Elevations (Show whether DF, RT, GN, etc.)
 4,666' GR

22. Approx. date work will start*
 11-3-90

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 'G' + 2% CaCl ₂
7 7/8"	5 1/2"	15.5 lb	5,506'	772 sx 'G', 65:35 Poz + 6% Gel

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AUG 06 1990

DIVISION OF
OIL, GAS & MINING

- SEND

Refer to attached 10-Point Drilling Plan

OIL AND GAS	
DFN	RJF
2 nd B	GLH
DIS	SLS
1-TAS	
2-TAS	
5-TAS	
6	MICROFILM ✓
7	FILE

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.

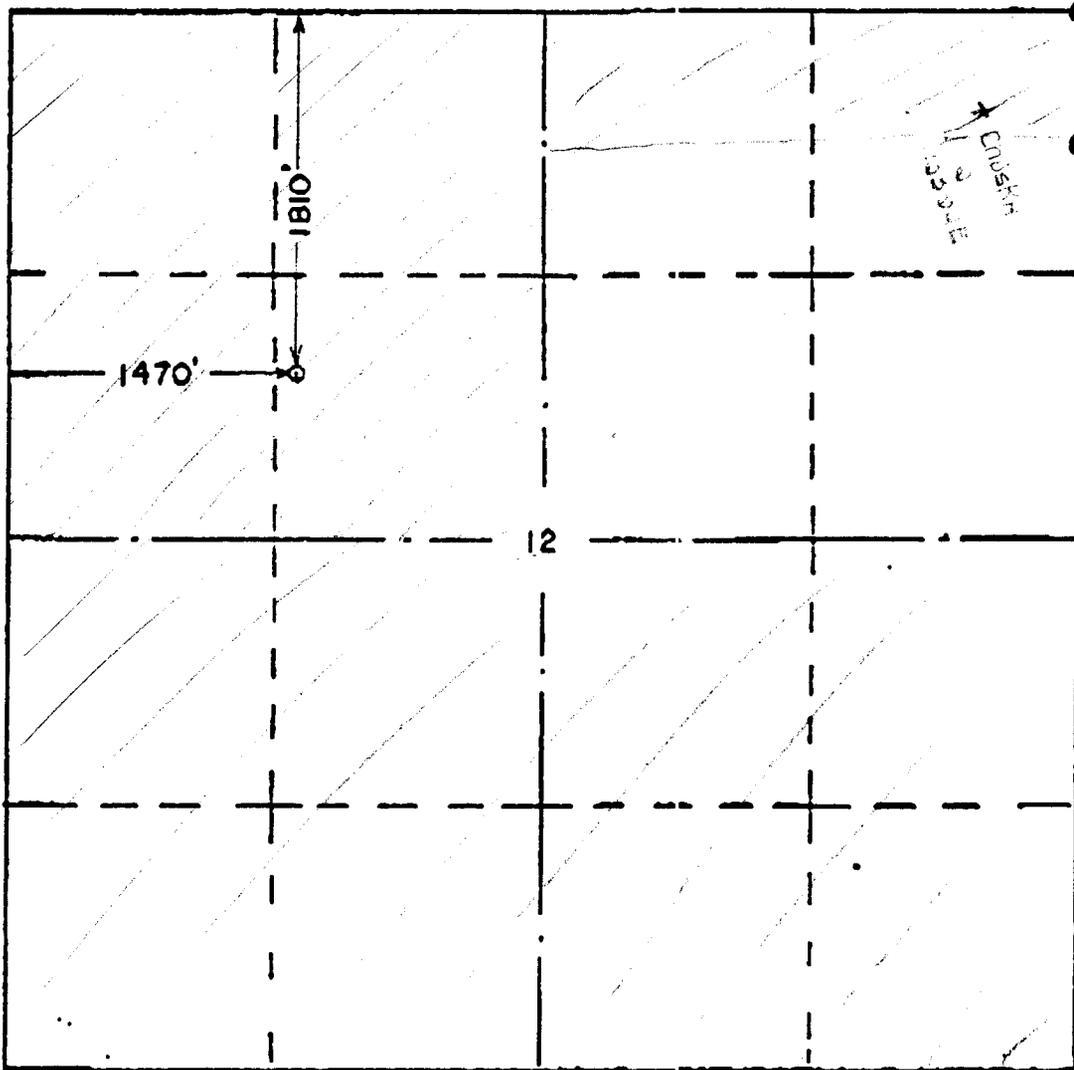
24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed [Signature] Title Petroleum Engineer Date 3 August, 1990
 (This space for Federal or State office use)

API NO. 43-037-31545 APPROVED BY THE STATE
 DIVISION OF MINING
 Approval Date 8-28-90 Date 8-28-90

Approved by [Signature] Title [Signature]
 Conditions of approval, if any: [Signature]
 *See Instructions On Reverse Side
 RB15-3-3

WELL LOCATION AND ACREAGE DEDICATION PLAT



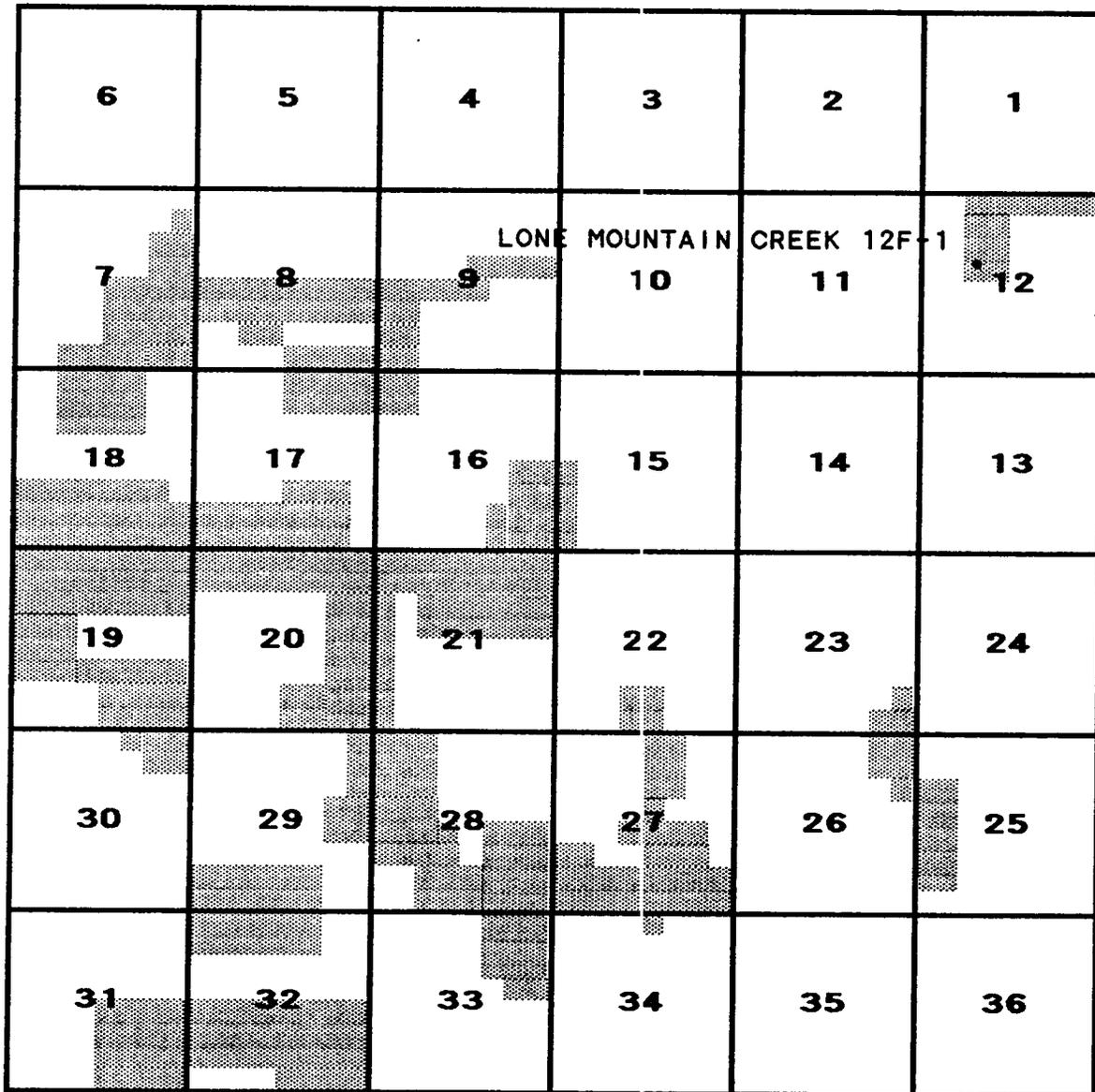
WELL LOCATION DESCRIPTION:

CHUSKA ENERGY COMPANY, Lone Mountain Creek 12 - F - 1
 1810'FNL & 1470'FWL
 Section 12, T.42 S., R.24 E., SLM
 San Juan, UT.
 4666' ground elevation
 State plane coordinates from seismic control:
 x = 2,659,742 y = 185,353

The above plat is true and correct to my knowledge and belief.

30 July 1990

Gerald G. Huddleston
 Gerald G. Huddleston, LS
 REGISTERED LAND SURVEYOR
 No. 5725
 STATE OF UTAH



CHUSKA ENERGY COMPANY

ACREAGE POSITION UNDER THE 1987 OPERATING AGREEMENT



CHUSKA: T42S-R24E, SAN JUAN COUNTY, UTAH

CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Lone Mountain Creek 12F Well No. 1
Section 12, Township 42S, Range 24E
1,810' FNL, 1,470' FWL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Morrison

2. ELEVATION

Surface elevation is 4,666' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>	
Surface	Morrison	+ 4,666'	
491'	Navajo	+ 4,175'	
2,316'	DeChelly	+ 2,350'	
2,591'	Organ Rock	+ 2,075'	
3,241'	Cedar Mesa	-- 1,425'	
4,186'	Hermosa	-- 480'	
5,096'	Upper Ismay	-- 430'	
5,201'	Lower Ismay	-- 535'	
5,261'	Desert Creek	-- 595'	Primary Objective
5,431'	Akah	-- 765'	
5,506'	Total Depth	-- 840'	

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 lb	K-55	STC
Production:	5,506'	5 1/2"	15.5 lb	K-55	STC

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 calculated at 100% excess over annular volume.

Production Cementing:

First Stage

T.D. to 3,500' (stage collar @ ± 3,500'). Lead with 133 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 183 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 457 ft³. Bring Class 'G' slurry to 500' above top of Upper Ismay. Cement volumes calculated at 30% excess in open hole.

Second Stage

3,500' to surface. Lead with 355 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 772 ft³. Cement volumes calculated at 30% excess in open hole.

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 2,000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3,000 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 4,500'

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

4,500' to T.D.

Low solids, non-dispersed polymer system. Weight 8.6 - 9.5 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 - 20 cc. Fluid loss to be further reduced to 15 cc or less prior to coring, logging or DSTs.

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 T.D. to 4,000'.

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 at least 500' above the Upper Ismay.

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 15 days. Anticipated spud date is 11-3-90.

EXHIBIT "A"
BLOWOUT PREVENTER

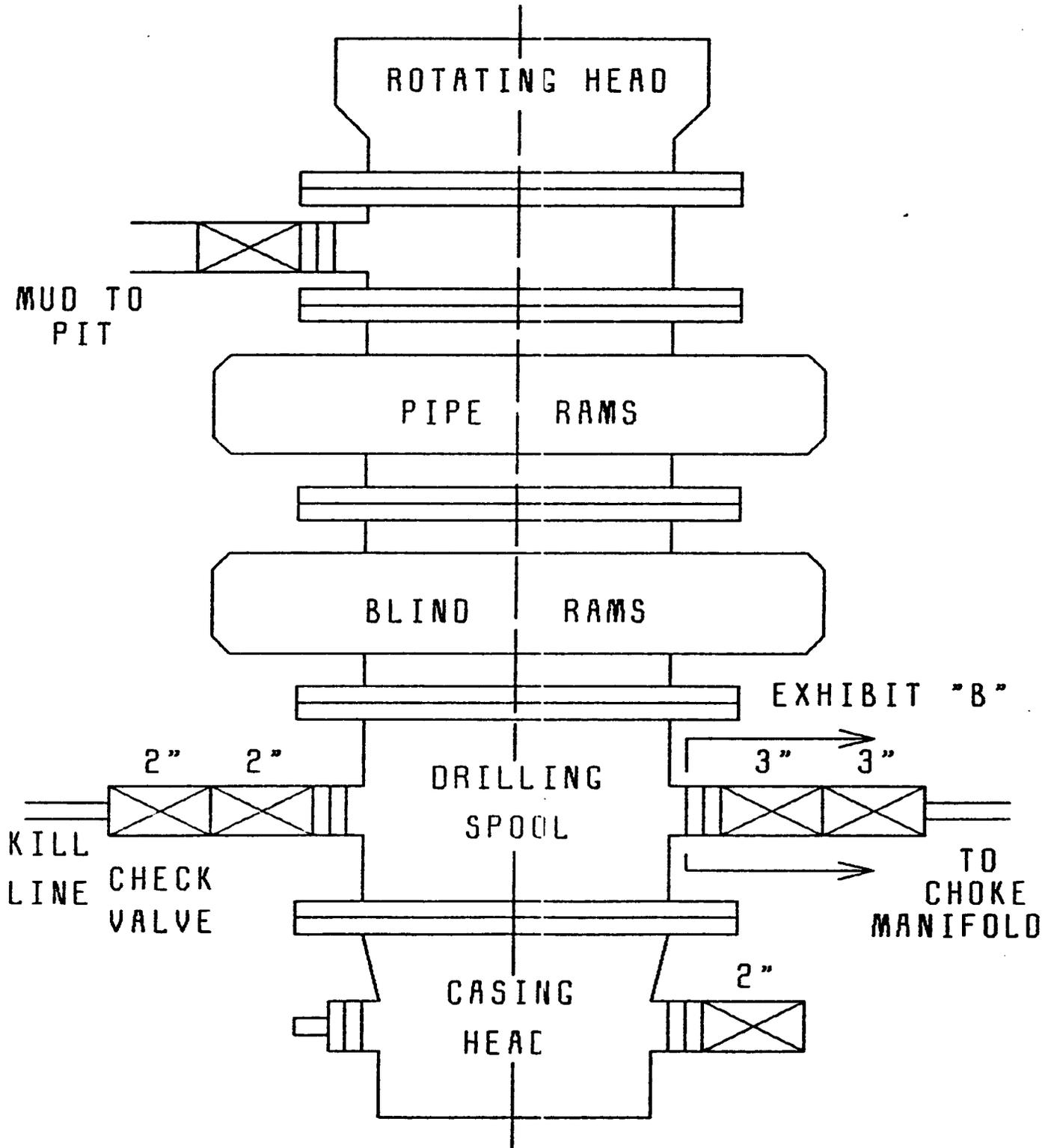
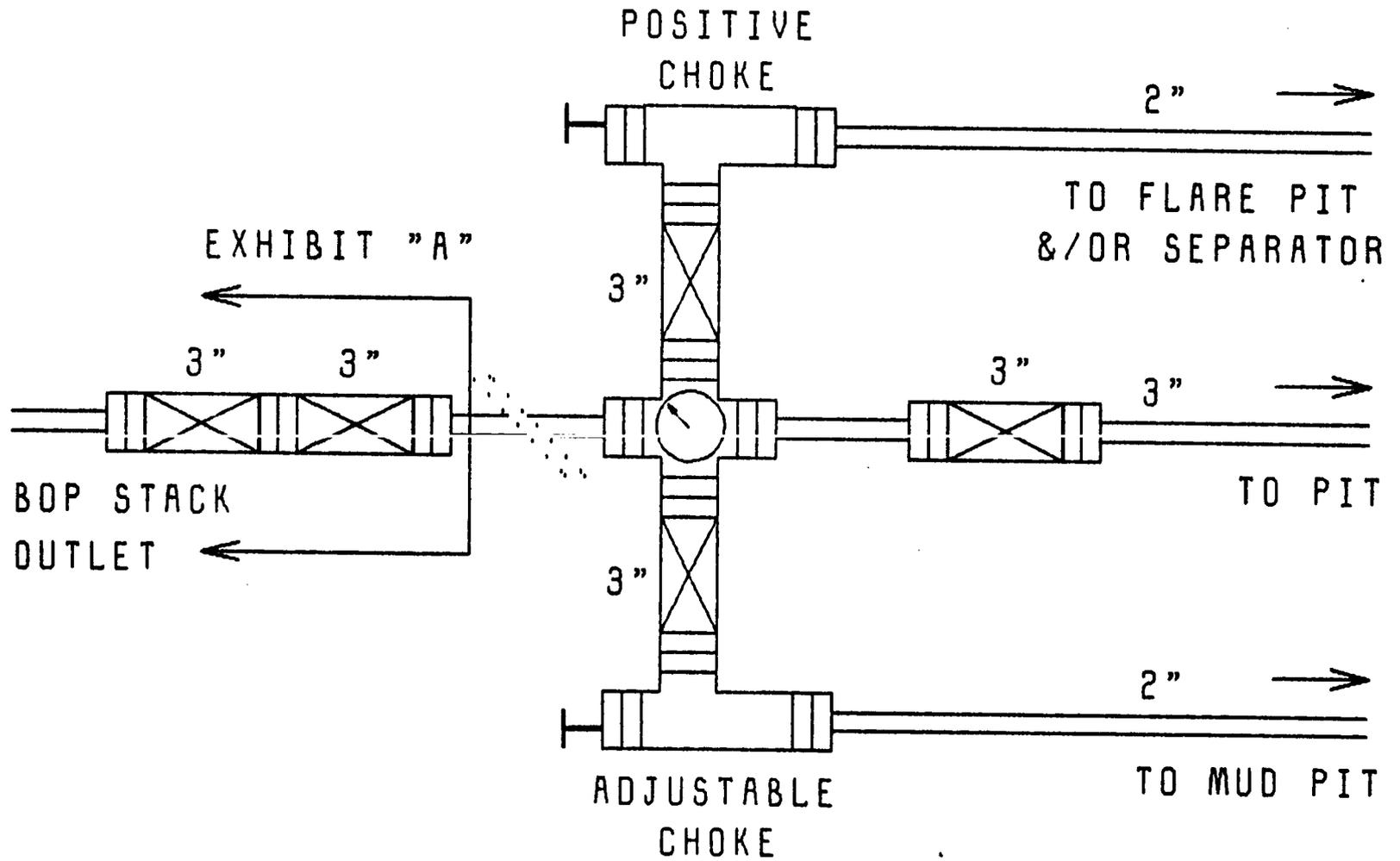


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: 3 August, 1990

WELL NAME: Lone Mountain Creek 12F WELL NO.: 1

LOCATION: Section 12, Township 42S, Range 24E
1,810' FNL, 1,470' FWL
San Juan County, Utah

ELEVATION: 4,666' GR

TOTAL DEPTH: 5,506' GR

PROJECTED HORIZON: Primary target is Desert Creek at 5,261'.

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 ft. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500 ft. 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 T.D. 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 that plug has been down at least 8 hours prior to commencing pressure testing procedures. Pressure test BOP to 2,000 psig for 30 minutes. Pressure test manifold and all related equipment to 2,000 psig. Pressure test casing to 1,500 psig for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to T.D. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5° at T.D., with the maximum allowable rate of change to be 1°/100'.
8. Run open hole logs and evaluate. Drill stem testing will be as per the wellsite geologist's recommendation.

9. If the well is determined to be productive, run 5 1/2", 15.5 lb/ft, K-55, STC casing to T.D. Set stage cementing collar at \pm 3,500'. In addition to placing centralizers over potential production zones, they will also be run to cover the aquifer sands of the Navajo and DeChelly formations, as per BLM stipulations. Cement production casing in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Lone Mountain Creek 12F Well No. 1
Section 12, Township 42S, Range 24E
1,810' FNL, 1,470' FWL
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.

Lone Mountain Creek 12F Well No. 1
Section 12, Township 42S, Range 24E
1,810' FNL, 1,470' FWL
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 from Montezuma Creek. 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. It is anticipated that approximately 3/4 mile 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 the San Juan River and will be hauled using Chuska Energy Company water trucks, under State of Utah Division of Water Rights Permit Number 09-1722, (T64794).

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 north/south trend and will require up to 7' of cut in the south west corner of the location pad and up to 5' of fill in the reserve pit. 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
LARRY G. SESSIONS

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.

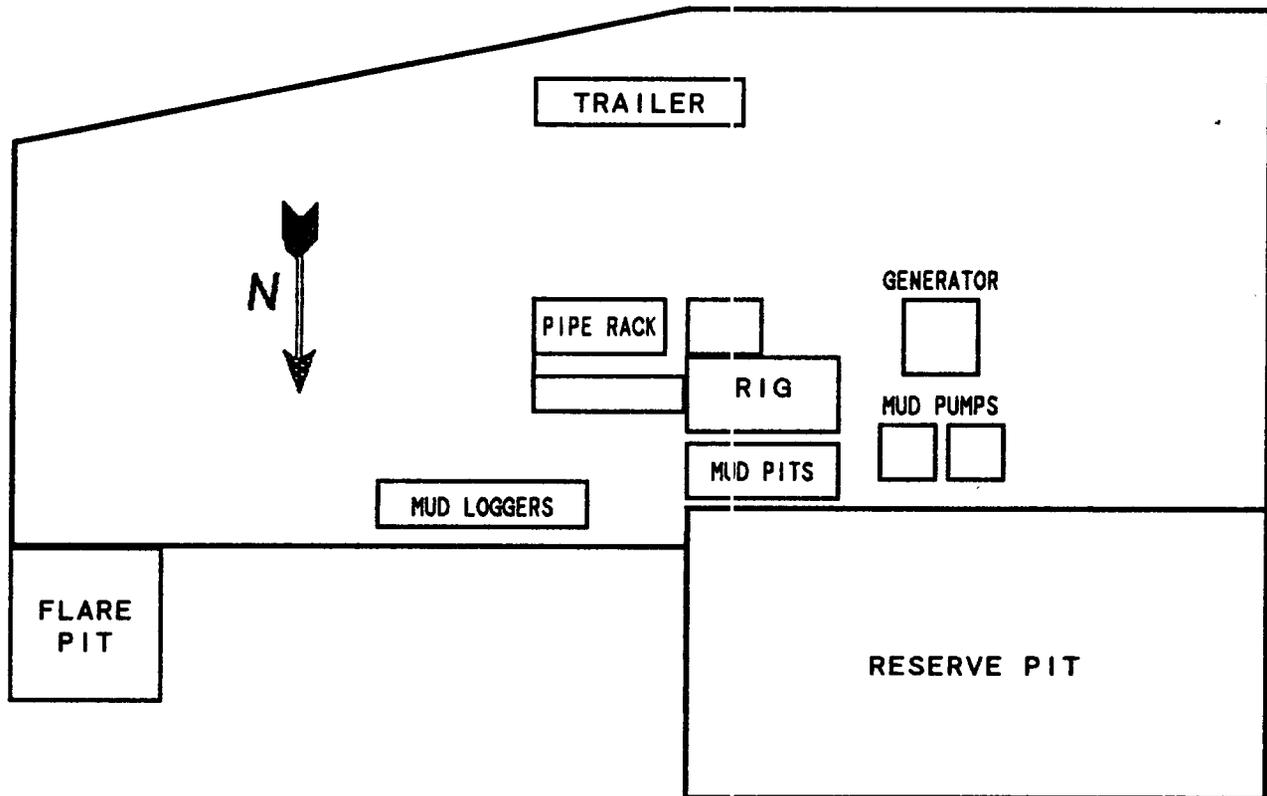

LARRY G. SESSIONS
Operations Manager

LONE MOUNTAIN CREEK 12F-1

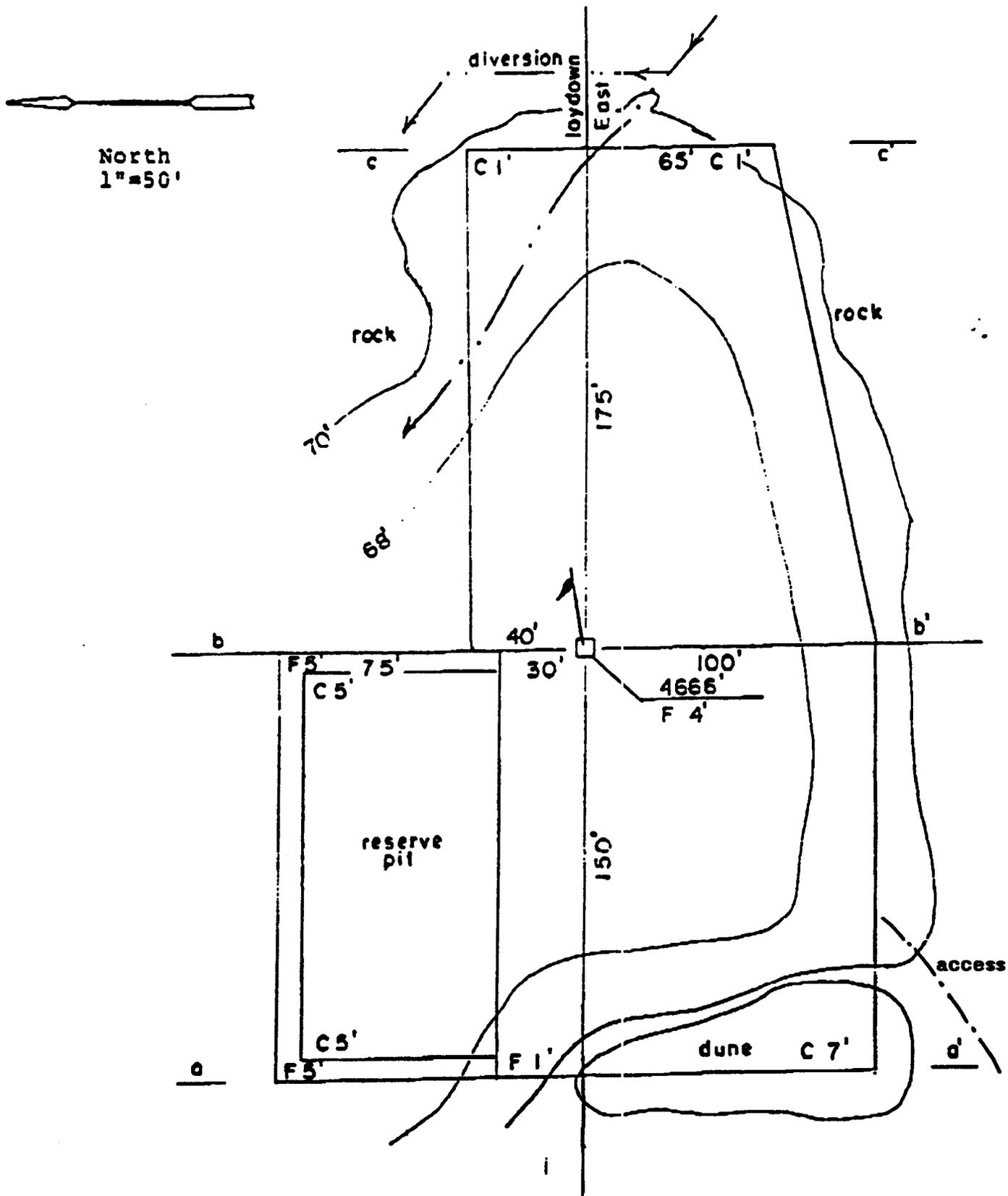
1,810' FNL, 1,470' FWL

SECTION 12, TOWNSHIP 42S, RANGE 24E

San Juan COUNTY, Utah



SCALE: 1" = 50'



Cut 
Fill 

1"=50' Horiz. & Vert.



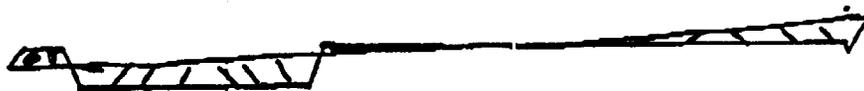
b

b'



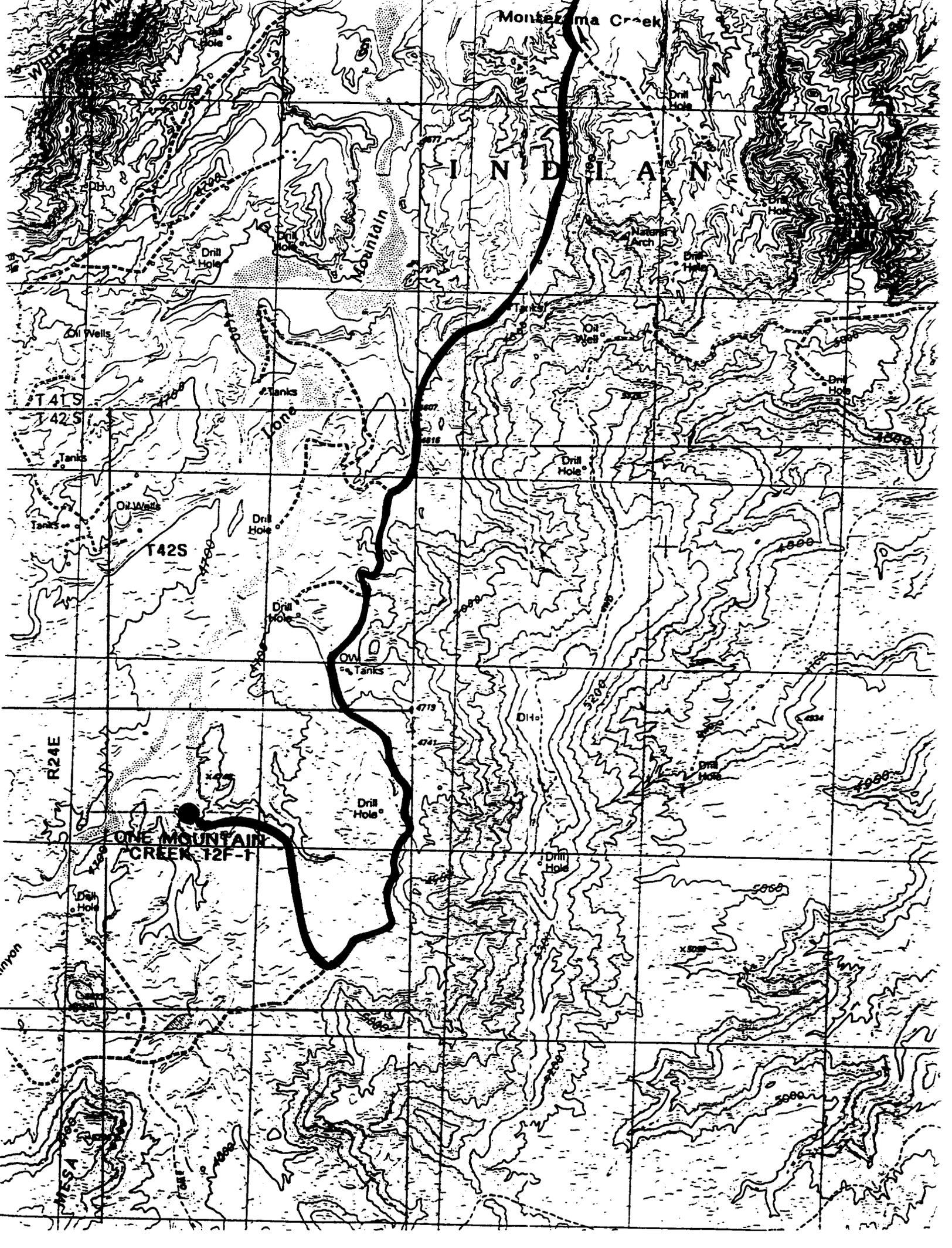
b

b'



a

a'



LONE MOUNTAIN CREEK 12F-1

Under the terms of the 1987 Operating Agreement, Chuska holds the following acreage in Section 12, Township 42S, Range 25E:

E/2 NW/4
N/2 N/2 NE/4

Under the provisions of prior Operating Agreements, the following acreage, in Section 12, Township 42S, Range 25E, is controlled by Chuska (Held By Production):

S/2
W/2 NW/4

TEMPORARY

FILING FOR WATER IN THE STATE OF UTAH

RECEIVED

Rec. by WP
Fee Rec. 30.00
Receipt # 28801

JUL 05 1990

JUN 29 1990

APPLICATIONS TO APPROPRIATE WATER RIGHTS

Microfilmed _____
Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 09 - 1722 *APPLICATION NO. A T64794

1. *PRIORITY OF RIGHT: June 29, 1990 *FILING DATE: June 29, 1990

2. OWNER INFORMATION
Name(s): Chuska Energy Company *Interest: 100 %
Address: P. O. Box 780
City: Farmington State: New Mexico Zip Code: 87499
Is the land owned by the applicant? Yes _____ No x (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or 18 ac-ft.

4. SOURCE: San Juan River *DRAINAGE: _____
which is tributary to _____
which is tributary to _____

POINT(S) OF DIVERSION: _____ COUNTY: San Juan
At bridge crossing of highway 262 at the city of Montezuma Creek, Utah
S. 350 ft. & E. 1150 ft. from NW Cor. Sec. 5, T41S, R24E, SLB&M

Description of Diverting Works: Water truck and portable pump
*COMMON DESCRIPTION: Montezuma Creek, Utah Montezuma Creek Quad

5. POINT(S) OF REDIVERSION
The water will be rediverted from N/A at a point: _____

Description of Diverting Works: _____

6. POINT(S) OF RETURN
The amount of water consumed will be _____ cfs or 18 ac-ft.
The amount of water returned will be _____ cfs or N/A ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE
Reservoir Name: N/A Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8. List any other water rights which will supplement this application _____

9. NATURE AND PERIOD OF USE

LEWIS/NA

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other: Oil & Gas Exploration	From 8/1990	to 11/1990

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): Drilling and completion of San Juan County Oil and Gas wells

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): At drilling sites which are now approved and at sites to be applied for in the future.
NW¹/₄NW¹/₄ Sec. 5, T41S, R24E, SLB&M

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary): The point of diversion is on Navajo Tribal lands. Chuska Energy Company, as operator for the Navajo Nation, requires water for drilling and completion operations on Navajo Tribal lands. This application is for a temporary permit to drill and complete six wells.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

H. Merle Myers
 Signature of Applicant(s)*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

 Authorized Agent (please print)

 Authorized Agent (signature)

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 09 - 1722

APPLICATION NO. T64794

1. June 29, 1990 Application received by MP.
 2. July 2, 1990 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated July 13, 1990, subject to prior rights and this application will expire on July 13, 1991.


Robert L. Morgan, P.E.
State Engineer

OPERATOR Chuska Energy Company DATE 8-13-90

WELL NAME Pine Mountain Creek WF #1

SEC 5ENW 10 T 42S R 04E COUNTY San Juan

43-037-31545
API NUMBER

Indian (v)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 900'
water permit 09-1700 (TU4794)
Elevation location

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

R615-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

CC: BIA

CONFIDENTIAL
PERIOD
EXPIRED
ON 4-25-98



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
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

August 28, 1990

Chuska Energy Company
P. O. Box 780
Farmington, New Mexico 87499

Gentlemen:

Re: Lone Mountain Creek 12F #1 - SE NW Sec. 12, T. 42S, R. 24E - San Juan County, Utah - 1810' FNL, 1470' FWL

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.

Page 2
Chuska Energy Company
Lone Mountain Creek 12F #1
August 28, 1990

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.
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 43-037-31545.

Sincerely,



R. J. Fifth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
WE14/1-6

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31545

PRL

SPUDDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: LONE MOUNTAIN CREEK 12F-1

SECTION SEW 12 TOWNSHIP 42S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR BURGE CORRISION INC.

RIG # 1

SPUDDED: DATE 12-10-90

TIME 2:00 p.m.

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY CHRIS HALL

TELEPHONE # 505-326-5525

DATE 12-11-90 SIGNED TAS

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	11148	43-037-31545	Lone Mountain Creek 12F #1	SE/NW	12	42S	24E	San Juan	12-11-90	
WELL 1 COMMENTS: MIRU Burge Corrosion Inc. Rig #1. Spudded 1100 hrs, 12-11-90. Set surface casing. Released rig. Wait on Aztec Rig #184 to move from North Village 201-1.											
WELL 2 COMMENTS: Indian - Lease Field - Undesignated Unit - N/A Proposed Zone - Akeh (New entity added 12-18-90) <i>for</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

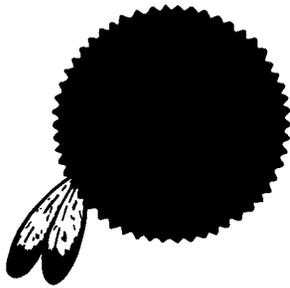
- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity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

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

DEC 17 1990

[Signature]

Signature
Petrolium Engineer
Title
Phone No. (505) 326 5525
Date 12-13-90



CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

DEC 17 1990

DIVISION OF
OIL, GAS & MINING

13 December, 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

Ref: Sundry Notice: Lone Mountain Creek 12F-1 Well
Spud/Surface Casing

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\LONEMTCK.12F\SUNCOVER

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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 P.O. Box 780, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,810' FNL, 1,470' FWL At proposed prod. zone Same		8. FARM OR LEASE NAME Lone Mountain Creek 12F
14. PERMIT NO. 43-037-31545		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR etc.) 4,666' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S12 T42S R24E
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.)		12. COUNTY OR PARISH San Juan
		13. STATE Utah

NOTICE OF INTENTION TO: TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/> APPROX. DATE WORK WILL START _____		SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) Spud/Surface Casing <input checked="" type="checkbox"/> (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form DATE OF COMPLETION 12-12-90	
---	--	--	--

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.)

* Must be accompanied by a cement verification report.

MIRU Burge Corrosion Inc. Rig #1. Spudded 1100 hrs, 12-11-90 (verbal notification of spud to Frank Matthew by Chris Hill at 0905 hrs, 12-10-90). Drilled to 505'. Ran 12 joints 8 5/8", 24 lb/ft, K-55, stc casing with guide shoe and float collar and landed at 502'. Cemented with 400 sx Class 'G' cement with 2% CaCl, and 1/4 lb/sk Celloflake. Circulated cement to surface. Cementing operations complete 12-12-90. Released rig. Wait on Aztec Rig #184 to move from North Village 201-1.

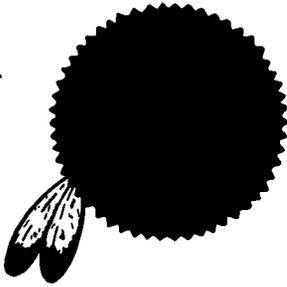
ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12-20-90
BY: [Signature]

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Petroleum Engineer DATE 13 December, 1990
(This space for Federal or State office use)

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

See Instructions On Reverse Side

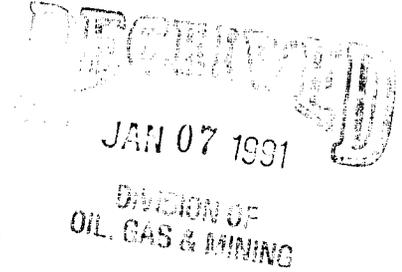


CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

3 January, 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: Lone Mountain Creek 12F-1 Well
Production Casing

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
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\LONEMTCK.12F\PRCSGSUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 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 1,810' FNL, 1,470' FWL At proposed prod. zone Same		8. FARM OR LEASE NAME Lone Mountain Creek 12F	
14. PERMIT NO. 43-037-31545 <i>DEL</i>		15. ELEVATIONS (Show whether DF, RT, OR etc.) 4,666' GR	
		9. WELL NO. 1	
		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S12 T42S R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(other) Production Casing <input checked="" type="checkbox"/>	
(other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION 1-2-91	

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.)

* Must be accompanied by a cement verification report.

Drilled to 5,519', TD. Logged. RU and ran 131 joints 5 1/2", 15.5 lb/ft, J-55, LTC casing, with guide shoe, float collar and stage tool, and landed at 5,517'. Cemented as follows:

Stage 1: Lead with 380 sx Class 'G', 65:35 Poz with 6% Gel and 1/4 lb/sk Celloflake. Tail with 210 sx Class 'G' with 0.6% D-60 and 1/4 lb/sk Celloflake.

Stage 2: Lead with 785 sx Class 'G', 65:35 poz with 6% Gel and 1/4 lb/sk Celloflake. Tail with 100 sx Class 'G' with 2% CaCl₂ and 1/4 lb/sk Celloflake.

Circulated 5 bbl slurry to pit. Rig released 1600 hrs, 1-2-91.

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

SIGNED *[Signature]* TITLE Petroleum Engineer DATE 3 January, 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

21 January, 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: Lone Mountain Creek 12F-1 Well
First Sale of Oil

Gentlemen

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

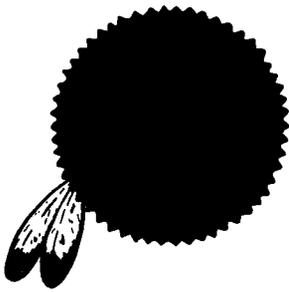
Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\LONEMTCK.12F\10ILSUN.CVR

encl.



CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

12 February, 1991

RECEIVED
FEB 19 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

DIVISION OF
OIL, GAS & MINING

Ref: Completion Report: Lone Mountain Creek 12F-1 Well

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Completion Report.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\LONEMTCK.12F\CRCOVER

encl.

S E OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
3315 Bloomfield Highway, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At Surface **1,810' FNL, 1,470' FWL**
At top prod. interval reported below **Same**
At total depth **Same**

14. API NO. **43-037-31545** DATE ISSUED **8-28-90**

15. DATE SPUDDED **12-11-90** 16. DATE T.D. REACHED **12-31-90** 17. DATE COMPL. (Ready to prod.) **1-25-91 (Plug & Abd.)**

18. ELEVATIONS (DF, RKB, RT, GR ETC.) **4,666' GR** 19. ELEV. CASINGHEAD **4,666' GR**

20. TOTAL DEPTH, MD & 21. PLUG BACK T.D., MD & TVD **5,519' (D)/5,525' 6,374'**

22. IF MULTIPLE COMPL., HOW MANY _____ 23. INTERVALS DRILLED BY **Rotary**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTON, NAME (MD AND TVD)
5,460' - 5,440' Desert Creek
5,424' - 5,405' Desert Creek
5,376' - 5,315' Desert Creek

25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL/MSFL/GR/EDT/CNT/GR/CAL
BHGS/GR/CAL

27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	502'	12 1/4"	400 'G'/2% CaCl ₂ , Returns to surface	
5 1/2"	15.5	5,517	7 7/8"	S1: 380 sx G 35:65 Poz/6% Gel + 210 sx G S2: 785 sx G 35:65 Poz/6% Gel + 100 sx G (DW tool at 3,310')	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (ID)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5,368'	5,275'

31. PERFORATION RECORD (Interval, size and number)

5,460' - 5,440': 4" casing gun, 4 spf/ 80 holes
5,424' - 5,405': 4" casing gun, 4 spf/ 76 holes
5,376' - 5,315': 4" casing gun, 4 spf/244 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5,460' - 5,440'	6,000 gal 28% MSR-100
5,414' - 5,405'	5,700 gal 28% MSR-100
5,376' - 5,305'	12,200 gal 28% MSR-100

33. PRODUCTION

DATE FIRST PRODUCTION **1-15-91** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STATUS (Producing or shut in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
1-26-91	20	24/64"		233.2	253	7.3	1,085

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY-API (CORR.)
200	Packer		279.8	303	8.8	29.4

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Vented** TEST WITNESSED BY **Kiva Measurement**

35. LIST OF ATTACHMENTS _____

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Christopher S.W. Hill* TITLE Operations Engineer DATE 2-12-91

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
Lone Mountain Creek 12F

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Desert Creek

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
S12 T42S R24E

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on 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) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries.

38. GEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
Desert Creek	5460	5440	Dolomite, Limestone, Shale	Hermosa	4192	4192
Desert Creek	5424	5405	Limestone, Shale	Upper Ismay	5130	5130
Desert Creek	5376	5315	Dolomite, Limestone	Hovenweep	5238	5238
Core #1	5314	5345	Desert Creek: recovered 100%	Lower Ismay	5248	5248
Core #2	5345	5376	Desert Creek: recovered 100%	Gothic Shale	5288	5288
				Desert Creek	5304	5304
				Chimney Rock	5480	5480
				Akah	5490	5490



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

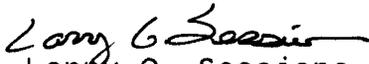
Ref: Sundry Notice: Lone Mountain Creek 12F-1 Well
Application to Vent Gas

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\LONEMTCK.12F\VENTSUN.CVR

encl.

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
Lone Mountain Creek 12F

2. Name of Operator
Chuska Energy Company

10. API Well Number
43-037-31545 *pow*

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

4. Telephone Number
(505) 326 5525

11. Field and Pool, or Wildcat
Desert Creek

5. Location of Well
Footage : 1,810' FNL, 1,470' FWL
QQ, Sec. T., R., M.: SE/4 NW/4 S12 T42S 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 Application to Vent Gas
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start 4-9-91

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.)

Chuska Energy applies to continue a temporary production test of the subject well, venting produced gas, until 4-30-91. Total production to date has been 7,477 bbl oil and an estimated 18 MMcf of associated gas. The well has been producing intermittently due to paraffin problems. A xylene treatment to overcome this is planned for 4-9-91. The pipeline permit is currently in hand. Should the xylene treatment prove successful, pipeline construction would start immediately.
Verbal approval from BLM, Dwayne Spencer, at 1510 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

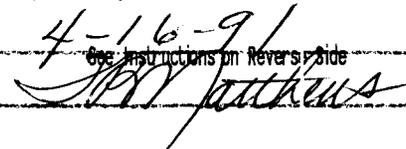
(State Use Only)

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

RECEIVED

APR 12 1991

(8/90)

DATE: 4-16-91
BY: 

DIVISION OF
OIL GAS & MINING



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



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

Attn: Mr. R.J. Firth
Associate Director

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

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

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

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

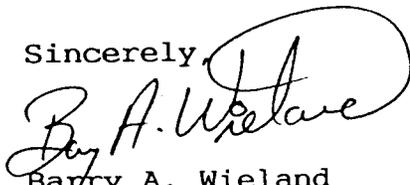
Monument 17E-2
Mule 31K
Mule 31K(N)
Mule 31M
NW Cajon 1I-1
North Heron 35C
Northwest Cajon 6E
North Cajon Mesa 5E-1
North Ruins 16K
Red Lake 25B
Tower 1F
Box Canyon 5F
Shalene 11K
South Triangle 7I
West Clay Hill 5B(A)

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



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

Form 3160-5
(November 1983)
(formerly 9-331)

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. <input type="checkbox"/> 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 P.O. Box 780, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,810' FNL, 1,470' FWL		8. FARM OR LEASE NAME Lone Mountain Creek 12F	
14. PERMIT NO. 43-037-31545		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR etc.) 4,666' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S12 T42S R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>SOLID SURFACE CASING</u> <input checked="" type="checkbox"/>	

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU Burge Corrosion Inc. Rig #1. Spudded 1100 hrs, 12-11-90 (verbal notification of spud to Mark Kelly, BLM by Chris Hill at 0900 hrs, 12-10-90). Drilled to 505'. Ran 12 joints 8 5/8", 24 lb/ft, K-55, stc casing with guide shoe and float collar and landed at 502'. Cemented with 400 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celluloflake. Circulated cement to surface. Cementing operations complete 12-12-90. Released rig. Wait on Aztec Rig #184 to move from North Village 201-1.

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

SIGNED *Chris Hill* TITLE Petroleum Engineer DATE 13 December, 1990
Chris Hill

(This space for Federal or State office use)

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

*See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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 P.O. Box 780, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME Lone Mountain Creek 12F
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,810' FNL, 1,470' FWL At proposed prod. zone Same		8. WELL NO. 1
14. PERMIT NO. 43-037-31545	15. ELEVATIONS (Show whether OF, RT, GR etc.) 4,666' GR	10. FIELD AND POOL, OR BILOCAT Wildcat
		11. SEC., T., R., N., OR B.L.K. AND SURVEY OR AREA S12 T42S R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Spud/Surface Casing <input checked="" type="checkbox"/>	
ABANDON <input type="checkbox"/>			
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION 12-12-90	

(NOTE: Report results of multiple completion on Well Completion or Redesign Report and Log Form)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Give in as much detail as pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directional or drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

MIRU Burge Corrosion Inc. Rig #1. Spudded 1100 hrs, 12-11-90 (verbal notification of spud to Frank Matthew by Chris Hill at 0905 hrs, 12-10-90). Drilled to 505'. Ran 12 joints 8 5/8", 24 lb/ft, K-55, stc casing with guide shoe and float collar and landed at 502'. Cemented with 400 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated cement to surface. Cementing operations complete 12-12-90. Released rig. Wait on Aztec Rig #184 to move from North Village 201-1.

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

SIGNED Barry A. Wieland *[Signature]* Operations Manager DATE 5-26-93

(This space for Federal or state office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Form 3160-5
(November 1983)
(formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		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 1,810' FNL, 1,470' FWL		8. FARM OR LEASE NAME Lone Mountain Creek 12F	
14. PERMIT NO. 43-037-31545		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, OR etc.) 4,666' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., N., OR BLE. AND SURVEY OR AREA S12 T42S R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other): Production Casing			<input checked="" type="checkbox"/>

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled to 5,519', TD. Logged. RU and ran 131 joints 5 1/2", 15.5 lb/ft, J-55, LTC casing, with guide shoe, float collar and stage tool, and landed at 5,517'. Cemented as follows:

Stage 1: Lead with 380 sx Class 'G', 65:35 Poz with 6% Gel and 1/4 lb/sk Celloflake. Tail with 210 sx Class 'G' with 0.6% D-60 and 1/4 lb/sk Celloflake.

Stage 2: Lead with 785 sx Class 'G', 65:35 poz with 6% Gel and 1/4 lb/sk Celloflake. Tail with 100 sx Class 'G' with 2% CaCl₂ and 1/4 lb/sk Celloflake.

Circulated 5 bbl slurry to pit. Rig released 1600 hrs, 1-2-91.

SFP

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

SIGNED

Christopher S. Hill
Christopher S. Hill

TITLE Petroleum Engineer

DATE 3 January, 1991

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

S. E OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Chuska Energy Company		8. FARM OR LEASE NAME Lone Mountain Creek 12F	
3. ADDRESS OF OPERATOR 3315 Bloomfield Highway, Farmington, New Mexico 87401		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,810' FNL, 1,470' FWL		10. FIELD AND POOL, OR WILDCAT Wildcat	
At proposed prod. zone Same		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S12 T42S R24E	
14. PERMIT NO. 43-037-31545	15. ELEVATIONS (Show whether DF, RT, OR etc.) 4,666' GR	12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL (Other) <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Production Casing</u> <input checked="" type="checkbox"/>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION <u>1-2-91</u>	

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log Form)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

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Circulated 5 bbl slurry to pit. Rig released 1600 hrs, 1-2-91.

SFP

I hereby certify that the foregoing is true and correct.

SIGNED Barry A. Wieland Operations Manager

DATE 5-26-93

(This space for Federal or State office use)

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

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT--" for such proposals.)

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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 Lone Mountain Creek 12F	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 12 below.) At surface 1,810' FNL, 1,470' FWL		9. WELL NO. 1	
At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. 43-037-31545		11. SEC., T., R., N., OR BLE. AND SURVEY OR AREA S12 T42S R24E	
15. ELEVATIONS (Show whether DF, RT, GR etc.) 4,666' GR		12. COUNTY OR PARISH San Juan	13. STATE Utah

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TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) First Sale of Oil <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION 1-19-91	

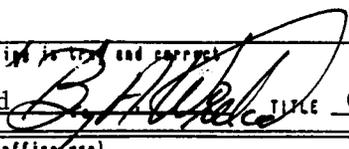
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

First sale of Oil from this well occurred on: 1-19-91.

SEP 0

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

SIGNED Barry A. Wieland  TITLE Operations Manager DATE 5-26-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

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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 Lone Mountain Creek 12F	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 1,810' FNL, 1,470' FWL		8. FARM OR LEASE NAME Lone Mountain Creek 12F	
14. PERMIT NO. 43-037-31545		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, OR etc.) 4,666' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA S12 T42S R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) <u>First Sale of Oil</u>			<input checked="" type="checkbox"/>

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First sale of Oil from this well occurred on 1-19-91.

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

SIGNED

Christopher S. Hill
Christopher S. Hill

TITLE Petroleum Engineer

DATE 21 January, 1991

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions On Reverse Side

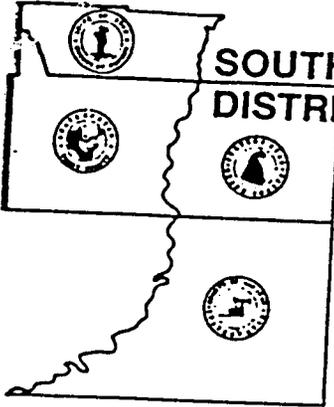
ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11148	→	43-037-31545	Lone Mountain Creek 12F #1	SE/NW	12	42S	24E	San Juan	12-11-90	
<p>WELL 1 COMMENTS: MIRU Burge Corrosion Inc. Rig #1. Spudded 1100 hrs, 12-11-90. Set surface casing. Released rig. Wait on Aztec Rig #184 to move from North Village 201-1. <i>Entity previously added 12-18-90. Lee</i></p>											
<p>WELL 2 COMMENTS:</p>											
<p>WELL 3 COMMENTS: <i>SEP 0 1998</i></p>											
<p>WELL 4 COMMENTS:</p>											
<p>WELL 5 COMMENTS:</p>											

- 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.

[Signature]
Signature
Petroleum Engineer
Title
Date 12-13-90
Phone No. (505) 326 5525



**SOUTHEASTERN UTAH
DISTRICT HEALTH DEPARTMENT**

6 East Main
P.O. Box 800
Price, Utah 84501
(801) 637-3671

- P.O. Box 644, Castle Dale, Utah 84513 - 281-2252
- P.O. Drawer E, Moab, Utah 84532 - 259-5602
- P.O. Box 127, Monticello, Utah 84535 - 587-2021
- 522 North 1st East, Blanding, Utah 84511 - 678-2723

August 6, 1990

Christopher S. W. Hill
Petroleum Engineer
Chuska Energy Co.
315 N. Behrend
Farmington, NM 87401

Dear Mr. Hill:

I have reviewed your facilities descriptions/site layout for the location of temporary living quarters, potable water storage and chemical toilet facilities for the following wells and here by give approval for the plans:

Oak 11G No. 1

North Village 201 No.1

Beaver 11 I No. 1

Lone Mountain Creek 12F No.1

X43-037-31545
Sec 12 T42S R24E

I have enclosed an invoice for \$140.00.

SEP 10 1990

Sincerely,

Claron D. Bjork
Dr. Claron D. Bjork
Environmental Health Director

TO: Christopher S. W. Hill
 Petroleum Engineer
 Chuska Energy Co
 315 N. Behrend
 Farmington, NM 87401

RECEIVED

SOUTHEASTERN UTAH DISTRICT HEALTH DEPARTMENT
 6 East Main • P.O. Box 800 • Price, Utah 84501 • (801) 637-3671

AUG 9 1990 Date August 6, 1990

ALL ITEMS MUST BE ENTERED IN DETAIL ON THIS VOUCHER				
4	Plan reviews for Oak 11G No. 1, North Village 201 No. 1, Beaver 11 I No. 1, and Lone Mountain Creek 12F No. 1 @\$35.00 X 4.....	\$140.	00	
Paid by checks #254 and 257 <i>August 1990</i> <i>James D. Bynum</i>				
Credit _____ Fund \$ _____		TOTAL	\$140.	00

The undersigned, being first duly sworn, on oath says: That the above account is correct, and the amount claimed is justly due, and that neither the whole nor any part of the same has been paid.

Signed *James D. Bynum*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
3315 Bloomfield Highway, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At Surface 1,810' FNL, 1,470' FWL
 At top prod. interval reported below Same
 At total depth 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
Lone Mountain Creek 12F

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Desert Creek

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
S12 T42S R24E

14. PERMIT NO. 43-037-31545 DATE ISSUED 8-28-90 12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 12-11-90 16. DATE T.D. REACHED 12-31-90 17. DATE COMPL. (Ready to prod.) 1-26-91 18. ELEVATIONS (OF, RKB, RT, OR ETC.)* 4,666' GR 19. ELEV. CASINGHEAD 4,666' GR

20. TOTAL DEPTH, MD & 5,519' (D)/5,525' (L) 21. PLUG BACK T.D., MD & TYD 5,474' 22. IF MULTIPLE COMPLETIONS, HOW MANY* _____ 23. INTERVALS DRILLED BY Rotary ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (NO AND TYD)
5,460' - 5,440' Desert Creek
5,424' - 5,405' Desert Creek
5,376' - 5,315' Desert Creek

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL/MSFL/GR, LDT/CNT/GR/CAL
BHCS/GR/CAL

27. WAS WELL CORED Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	502	12 1/4"	400' G/2% CaCl ₂ . Returns to surface	
5 1/2"	15.5	5,517	7 7/8"	S1: 380 sx G 35:65 Poz/6% Gel + 210 sx G S2: 785 sx G 35:65 Poz/6% Gel + 100 sx G (DW tool at 3,310')	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5,368'	5,275'

31. PERFORATION RECORD (Interval, size and number)

5,460' - 5,440': 4" casing gun, 4 spf/ 80 holes
5,424' - 5,405': 4" casing gun, 4 spf/ 76 holes
5,376' - 5,315': 4" casing gun, 4 spf/244 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5,460' - 5,440'	6,000 gal 28% MSR-100
5,414' - 5,405'	5,700 gal 28% MSR-100
5,376' - 5,305'	12,200 gal 28% MSR-100

33. PRODUCTION

DATE FIRST PRODUCTION 1-15-91 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or shut in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
1-26-91	20	24/64"		233.2	253	7.3	1,085

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY-API (CORR.)
200	Packer		279.8	303	8.8	29.4

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Kiva Measurement

35. LIST OF ATTACHMENTS

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Christopher S.W. Hill TITLE Operations Engineer DATE 2-12-91

(See Instructions and Spaces for Additional Data 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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VEHT. DEPTH
Desert Creek	5460	5440	Dolomite, Limestone, Shale	Hermosa	4192	4192
Desert Creek	5424	5405	Limestone, Shale	Upper Ismay	5130	5130
Desert Creek	5376	5315	Dolomite, Limestone	Hoverweep	5238	5238
Core #1	5314	5345	Desert Creek: recovered 100%	Lower Ismay	5248	5248
Core #2	5345	5376	Desert Creek: recovered 100%	Gothic Shale	5288	5288
				Desert Creek	5304	5304
				Chimney Rock	5480	5480
				Akah	5490	5490

SEP 0 1950

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR Other _____

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
3315 Bloomfield Highway, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
 At Surface 1,810' FNL, 1,470' FWL
 At top prod. interval reported below Same
 At total depth 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
Lone Mountain Creek 12F
 9. WELL NO.
1
 10. FIELD AND POOL, OR WILDCAT
Desert Creek
 11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
S12 T42S R24E

14. API NO. 43-037-31545 DATE ISSUED 8-28-90
 12. COUNTY San Juan 13. STATE Utah

15. DATE SPUNDED 12-11-90 16. DATE T.O. REACHED 12-31-90 17. DATE COMPL. (Ready to prod.) 1-25-91 (Plug & Abd.) 18. ELEVATIONS (OF, HKB, RT, OR ETC.) 4,666' GR 19. ELEV. CASINGHEAD 4,666' GR

20. TOTAL DEPTH, NO & 5,519' (D)/5,525' (L) 21. PLUG BACK T.O., NO & TYD 5474'
 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY Rotary ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (NO AND TYD)
 5,460' - 5,440' Desert Creek
 5,424' - 5,405' Desert Creek
 5,376' - 5,315' Desert Creek
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOSS RJH DLL/MSFL/GR, LDT/CNT/GR/CAL BHCS/GR/CAL
 27. WAS WELL CORED YES NO (Submit analysis)
 DRILL STEM TEST YES NO (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (NO)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	502'	12 1/4"	400' 3/2% CaCl ₂ , Returns to surface	
5 1/2"	15.5	5,517	7 7/8"	S1: 380 sx G 35:65 Poz/6% Gel + 210 sx G S2: 785 sx G 35:65 Poz/6% Gel + 100 sx G (DW tool at 3,310') Circulated 5 bbl slurry to bit	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (NO)	BOTTOM (NO)	SACKS CEMENT	SCREEN (NO)	SIZE	DEPTH SET (NO)	PACKER SET (NO)
					2 7/8"	5,368'	5,275'

31. PERFORATION RECORD (Interval, size and number)

5,460' - 5,440': 4" casing gun, 4 spf/ 80 holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
5,424' - 5,405': 4" casing gun, 4 spf/ 76 holes	DEPTH INTERVAL (NO)
5,376' - 5,315': 4" casing gun, 4 spf/244 holes	AMOUNT AND KIND OF MATERIAL USED
	5,460' - 5,440' 6,000 gal 28% MSR-100
	5,414' - 5,405' 5,700 gal 28% MSR-100
	5,376' - 5,305' 12,200 gal 28% MSR-100

33. PRODUCTION
 DATE FIRST PRODUCTION 1-15-91 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or shut in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
1-26-91	20	24/64"	279.8	233.2	253	7.3	1,085
FLOV. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	G/S - MCF.	WATER - BBL.	OIL GRAVITY-API (CORR.)	
200	Packer	279.8	279.8	303	8.8	29.4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Kiva Measurement

35. LIST OF ATTACHMENTS
 35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED [Signature] TITLE Operations Manager DATE 5-26-93

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on 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) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries.

38. GEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Top		
					Meas. Depth	True Vert.	Depth
Desert Creek	5460	5440	Dolomite, Limestone, Shale Limestone, Shale Dolomite, Limestone	Hermosa	4192		4192
Desert Creek	5424	5405		Upper Ismay	5130		5130
Desert Creek	5376	5315		Hovenweep	5238		5238
Core #1	5314	5345	Desert Creek: recovered 100%	Lower Ismay	5248		5248
Core #2	5345	5376	Desert Creek: recovered 100%	Gothic Shale	5288		5288
				Desert Creek	5304		5304
				Chimney Rock	5480		5480
				Akah	5490		5490

SEP 10 1993

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 API Number Entity Location			Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
RUNWAY 10-E #2								
✓4303731550	11128	40S 25E 10	DSCR					
MONUMENT 17E #2								
✓4303731547	11139	40S 25E 17	DSCR					
NAVAJO CANYON 331 #1								
✓4303731546	11145	39S 25E 33	IS-DC					
LONE MOUNTAIN CREEK 12F #1								
✓4303731545	11148	42S 24E 12	DSCR					
RUNWAY 10C-5A								
✓4303731597	11152	40S 25E 10	DSCR					
BLUE HOGAN 1J #1								
✓4303731562	11161	42S 23E 1	DSCR					
ASAZI 5L #3								
✓4303731572	11207	42S 24E 5	PRDX					
NW CAJON 1I #1								
✓4303731510	11210	40S 24E 1	DSCR					
BROWN HOGAN 1A #2								
✓4303731573	11215	42S 23E 2	PRDX					
STERLING 36L #1								
✓4303731595	11224	41S 23E 36	PRDX					
MULE 31-K-1								
✓4303731617	11326	41S 24E 31	DSCR					
NORTH HERON 35C								
✓4303731616	11479	41S 25E 35	DSCR					
BURRO 311								
✓4303731708	11496	41S 24E 31	DSCR	No Cardex / DTS NO FILE	✓ done / 12/93			
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,

A handwritten signature in cursive script that reads "Barry A. Wieland".

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 _____

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

Other
Oper. Nm. Change

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

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

2. DOGM Employee (name) Y. 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-EC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJF	
5-TEC	
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) <u>HARKEN SOUTHWEST CORPORATION</u> FROM (former operator) <u>CHUSKA ENERGY COMPANY</u>
(address) <u>3315 BLOOMFIELD HWY</u> (address) <u>3315 BLOOMFIELD HWY</u>
<u>FARMINGTON NM 87401</u> <u>FARMINGTON NM 87401</u>
phone (<u>505</u>) <u>326-5525</u> phone (<u>505</u>) <u>326-5525</u>
account no. <u>N 9290</u> account no. <u>N9290</u>

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

Name: **SEE ATTACHED**	API: <u>03731545</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

- See 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).
- See 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.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-10-94)*
- See 6. Cardex file has been updated for each well listed above. *(2-10-94)*
- See 7. Well file labels have been updated for each well listed above. *(2-10-94)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIVISION OF OIL, GAS & MINING

RECEIVED
18 1994

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 8707-1199

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Lone Mountain Crk 12F-1

9. API Well No.

43-037-31545

10. Field and Pool, or Exploratory Area

Desert Creek

11. County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P. O. Box 612007, Dallas, TX 75261 (817) 695-4900

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

1810' FNL & 1470' FWL
SE/NW Sec 12-42S-24E

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 Authorization to vent gas

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

Harken Southwest (HSW) request authorization to vent gas on a long term basis, ± 600 MCF/month. The xylene treatment proved unsuccessful. A 100,00# sand frac performed in 3/92 did not prove beneficial.

Due to the low volume of gas and the distance to a conrection point, it is uneconomical to lay a gas line. Therefore, HSW feels venting is warranted.

Approval for venting has previously been granted. Please make this application concurrent with the expiration of previous authorization.

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

Signed Rachelle Montgomery Title Production Administrator Date 11/16/94

(This space for Federal or State office use)

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

Accepted by the
Utah Division of
Oil, Gas and Mining

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.

FOR RECORD ONLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 24 1995

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Harken Southwest Corporation

3. Address and Telephone No.
 P. O. Box 612007, Dallas, TX 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1810' FNL & 1470' FWL
 SE/NW Sec 12-42S-24E

5. Lease Designation and Serial No.

NOG 8707-1199

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Lone Mountain Crk 12F

9. API Well No.

43-037-31545

10. Field and Pool, or Exploratory Area

Desert Creek

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Authorization to Vent Gas</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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, 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.)*

Harken Southwest request authorization to vent ± 600 MCF/month on a long term basis for the following reasons:

1. The connection point for the nearest pipeline connection is ± 1.5 miles, as the crow flies, thru various type of topography.
2. The cost of laying a line for such a low volume of gas is uneconomical, due to the cost of laying a line, plus ROW fees, (per rod charges) archeology and environmental report requirements.
3. Vented gas is measured by orifice meter and is accurately represented on the MRO's.
4. A sand frac and stimulation of production has been unsuccessful.

Due to the above reasons, Harken feels venting gas is warranted. Should venting be denied, the well would be immediately SI. Therefore, granting approval for this application would continue Federal and Indian royalties until the reservoir is fully depleted.

The date of approved venting should be from April 30, 1991 thru abandonment.

cc: State of Utah

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

Signed Rachelle Montgomery Title Production Administrator Date 2/23/95

(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.

CHUSKA ENERGY COMPANY
 LONE MOUNTAIN CREEK 12-F-1

43 037 31545
 425 24E 12
 P66

5260-5270	70%	LS	wh, crm, brn, crp-micxl, pred chk, anhy, rr fos frags, p intxl por, pred tt, sft frm, 30% bri yel FLOR, n STN, v slo strmg yel CUT
	30%	SH	AA
5270-5280	60%	LS	tn, crm, gybrn, crp-micxl, chk, anhy, rr fos frags, occ intxl por, pred tt, sft frm, 10% bri yel FLOR, n STN, v slo wk strmg yel CUT
	40%	SH	AA
5280-5290	90%	SH	blk, dkgybrn, blk-pty, rthy, slty, vcarb, sft, lmy
	10%	LS	AA
5290-5300	70%	SH	AA
	20%	LS	AA
	10%	ANHY	wh, mas, sft
5300-5310	60%	DOL	brn, tn, gybrn, micxl-fxl, anhy, slty, p-f intxl por, 10% bri yel FLOR, NSOC
	20%	ANHY	wh, amor, mas, sft
	20%	SH	AA
5310-5314	70%	DOL	brn, gybrn, tn, micxl-fxl, anhy, intxl por w/rr pp vug por, fl w/anhy, frm, 50% bri yel FLOR, fst-mod strmg yel CUT, n STN
	20%	ANHY	AA
	10%	SH	AA

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 NOV 29 1995

CORE DESCRIPTION

CORE #1

5314	DOL	m-dkbrn, mic-vfxl, f intxl por, occ pp vug por, tr anhyxl-incl, g bri yel FLOR, g OD, g fst strmg yel CUT, brn STN
5315	DOL	dkbrn, micxl, occ suc, p-f intxl por, tr pp vug, frm-hd, g bri yel FLOR, g OD, m strmg yel CUT, brn STN
5316	DOL	AA, g bri yel FLOR, g OD, m strmg yel CUT, brn STN
5317	DOL	mbrn, micxl, sl lmy, suc, f intxl por, rr pp vug por, g sp bri yel FLOR, lt-mbrn STN, g OD, g strmg yel CUT
5318	DOL	AA, incr pp vug-occ 1-2mm vug, g bri yel FLOR, lt-mbrn STN, f OD, m strmg yel CUT
5319	DOL	dkbrn, dkgy, micxl, suc, sl lmy, anhyxl, p inxl por, f pp-1-2mm vug, s/anhy fl, occ fos frag, dul-bri sp yel FLOR, g OD, brn-blk STN, g strmg yel CUT

DIV. OF OIL, GAS & MINING

CHUSKA ENERGY COMPANY
LONE MOUNTAIN CREEK 12-F-1

5321	DOL	lt-mbrn, micxl, suc, sl lmy, p intxl por, occ pp vug por, occ anhy, g bri yel FLOR, f OD, ltbrn STN, slo strmg-mlky yel CUT
5322	DOL	AA, decr vug
5323	DOL	mbrn, micxl, suc, p intxl por, occ anhy, g bri yel FLOR, f OD, ltbrn STN, slo strmg yel CUT
5325	LS	gybrn-brn, micxl-vfxl, rr intxl por, abnt anhy fil, dol ip, sp bri yel FLOR, f OD, brn STN, slo strmg yel CUT
5326	DOL	gybrn, brn, dkgy, micxl-vfxl, lmy, p intxl por, anhyxl, sp bri yel FLOR, p-f OD, brn STN, slo strmg yel CUT
5327	DOL	AA w/anhy fl frac
5329	LS	lt-mbrn, micxl-vfxl, suc, p intxl por, anhy fl frac, abnt anhyxl, dns, hd, sp bri yel FLOR, f-p OD, brn STN, slo bld yel CUT
5330	DOL	dkbrn, dkgy, micxl, lmy, blk carb SH strng, p intxl por, bld ltbrn O, anhy fl, f-g bri yel FLOR, f OD, ltbrn STN, m strmg yel CUT
5331	DOL	dkbrn, micxl, abnt fos, p intxl por, occ vug por, anhy fil, f-g bri yel FLOR, f OD, ltbrn STN, slo strmg yel CUT
5333	DOL	mbrn, micxl, abnt fos, p intxl por, occ pp vug por, anhy fl, bld yel-brn O, g bri yel FLOR, g OD, brn STN, f strmg yel CUT
5334	DOL	mbrn, mic-vfxl, p-f intxl por, abnt fos, s/pp vug por, anhyxl, s/calc fl frac, g bri yel FLOR, g OD, brn STN, f strmg yel CUT
5336	DOL	mbrn, micxl, p intxl por, lmy, abnt anhy, tt, sp bri yel FLOR, p OD, slo strmg yel CUT
5338	DOL	AA, abnt anhy, p-f intxl por, sp bri yel-dul gld FLOR, g fst strmg yel CUT, g OD, brn STN
5340	DOL	mbrn, mic-vfxl, p intxl por, abnt anhy, blk carb strg, s/fos, g dul gld FLOR, f OD, m strmg yel CUT
5342	DOL	m-dkbrn, micxl, f intxl por, s/pp-lmm vug por, decr anhy, g dul yel FLOR, dkbrn STN, f OD, m strmg yel CUT
5344	DOL	mbrn, crp-micxl, p intxl por, incr pp vug por, occ anhyxl, blk carb mtx, s/fos, g dul gld-bri yel FLOR, dkbrn STN, f OD, m-f strmg yel CUT

CHUSKA ENERGY COMPANY
LONE MOUNTAIN CREEK 12-F-1

CORE #2

5345	DOL	mbrn, micxl-vfintxl, f intxl por, occ pp vug por, tr blk carb, bri yel FLOR, lt-mbrn STN, mlky yel res CUT, p OD
5346	DOL	mbrn, micxl-vfintxl, f intxl por, pp vug por, bri yel FLOR, mbrn-occ blk STN, m-f strmg yel CUT, g OD
5347	DOL	mbrn, micxl-vfintxl por, incr pp-1-2mm vugs, bri yel FLOR, dkbrn STN, g strmg yel CUT, g OD
5348	DOL	mbrn, micxl-vfintxl, intxl por, pp vugs, v anhy, dul-bri yel FLOR, dkbrn STN, slo strmg yel CUT, p OD
5349	DOL	mbrn-dkbrn, micxl-vfintxl, p intxl por, mhd, lmy w/anhy fl frac, tr sp dul yel FLOR, NSOC
5350	LS	mbrn-gybrn, micxl-vfintxl, p intxl por, anhyxl, occ anhy fl frac & vugs, tr sp dul-bri yel FLOR, wk mlky yel CUT, n STN
5352	LS	ltbrn-gybrn, mic-vfxl, p intxl por, anhy fl, tr sp dul yel FLOR, NSOC
5353	LS	ltbrn, lt-mgy, mic-vfxl, p intxl por, anhy fl, bld ltbrn O, tr sp dul yel FLOR, yel res CUT, n STN, p OD
5354	LS	gybrn, mic-vfxl, p intxl por, blk carb mtx fl frac, anhy fl, hd, sp dul yel FLOR, NSOC
5356	DOL	dkbrn, micxl, p-f intxl por, tr anhyxl, mbrn STN, f dul yel-occ bri yel FLOR, m strmg yel CUT, g OD
5357	DOL	dkbrn, mic-vfxl, f intxl por, s/pp vug por, occ anhyxl, g bri yel-dul yel FLOR, mbrn STN, f OD, f strmg yel CUT
5358	DOL	dk-mbrn, mic-vfxl, p-f intxl por, s/pp vug por, occ anhy fl, g dul-bri yel FLOR, brn STN, g OD, f strmg yel FLOR
5359	DOL	dkbrn, mic-vfxl, f intxl por, tr anhy fl, g dul yel FLOR, brn STN, g OD, f strmg yel CUT
5360	DOL	AA, tr ivan, hd, f sp yel FLOR, brn STN, f OD, p mlky yel CUT
5361	DOL	ltbrn-ltgybrn, mic-vfxl, f intxln por, s/pp vug por, s/anhyxl fl, g bri yel FLOR, brn STN, f OD, sl-m strmg yel CUT
5362	DOL	AA, p-f intxl por, rr pp vug por, g bri yel FLOR, brn STN, g OD, m strmg yel CUT
5363	DOL	ltbrn, micxl, p intxl por, anhy fl frac, lmy bld ltbrn O, sp bri yel FLOR, f OD, brn STN, mlky yel CUT

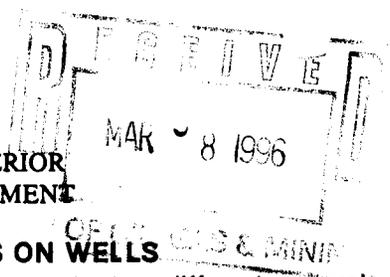
CHUSKA ENERGY COMPANY
LONE MOUNTAIN CREEK 12-F-1

5364	DOL	ltgy, micxl, p intxl por, anhyxl-fl, sp bri yel FLOR, n STN, p OD, mlky yel CUT
5366	DOL	ltgybrn, crp-micxl, p intxl por, anhy, g dul gld FLOR, n STN, n CUT
5367	DOL	ltgybrn, micxl, p-f intxl por, tr fos, blk carb fl mtx, fnt dul gld FLOR, n STN, n OD, n CUT
5368	DOL	ltgybrn, micxl, p-f intxl por, carb fl mtx, anhy fl, dul sp yel FLOR, n OD, n CUT, n STN
5370	DOL	ltgy, micxl, p-f intxl por, anhy fl, dul sp yel FLOR, n OD, slo stmg mlky CUT
5372	DOL	ltgy, micxl, p-f intxl por, anhy fl, tr fos, bri yel sp FLOR, n STN, f stmg yel CUT, n OD
5373	LS	ltgy, crp-micxl, abnt intbd anhy, dul gld sp FLOR, sl anhy, n OD, slo stmg yel CUT
5374	LS	ltgy, crp-micxl, p intxl por, anhy fl, arg, dns, sp dul yel FLOR, wk res yel CUT, n STN, n OD
5375	LS	ltgy, crpxl-micxl ip, sp dul gld FLOR, vanhy, n OD, n CUT, n STN
5376	LS	ltgy, crpxl-micxl ip, p intxl por, anhy fl, dns, tt, frm-hd, NFSOC, N OD

SAMPLE DESCRIPTIONS CONTINUED

5380-5390	80%	LS	bf-wh, ltgy, crp-micxl, v arg ip, anhy, dns, tt, 30% bri yel-dul yel FLOR, NSOC
	20%	SH	dkgy, gy, sbblky-sbplty, slcalc
5390-5400	70%	LS	AA
	30%	SH	AA
5400-5410	80%	LS	bf-wh, ltgy, crp-micxl, v arg, sldol, anhy, mfrm- frm, 20% bri yel-dul yel FLOR, wk yel res CUT, n STN
	20%	SH	dkgy, occ blk, sbblky-sbplty, arg ip, ncalc
5410-5420	80%	LS	AA, 30% bri yel-dul yel FLOR, wk res yel CUT, n STN
	20%	SH	AA

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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NOG 8707-1199
2. Name of Operator Harken Southwest Corporation	6. If Indian, Allottee or Tribe Name Navajo
3. Address and Telephone No. P.O. Box 612007 Dallas, Texas 75261-2007	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1810' FNL & 1470' FWL SE/NW Sec. 12-42S-24E	8. Well Name and No. Lone Mountain Creek 12F
	9. API Well No. 43-037-31545
	10. Field and Pool, or Exploratory Area Desert Creek
	11. County or Parish, State San Juan, UT

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 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 Casin;
	<input checked="" type="checkbox"/> Other Authorization to vent
	<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 date, 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.)*

Please be advised Harken Southwest recently cleaned out the subject wellbore, lowered the fluid level and increased pump efficiency in the subject wellbore. This action increased overall production rates which in turn causes gas venting above the current level of approval (600 MCF/month). Harken's engineering staff is currently evaluating the possibility of this additional gas as flush production.

However, Harken is currently requesting authorization to vent approximately 900 MCF/month. It is currently uneconomical to lay a pipeline ± 3.2 actual miles with gas prices at ± \$1.48/MCF. Estimated cost of laying a 3.2 mile line is estimated to be approximately \$225,350. this includes the cost of materials, laying the line, ROW fees, archeology & environmental reports and permitting.

Vented gas is measured by orifice meter and is accurately reported on the MRO's.

The approval of this request would insure the continuation of royalty payments until the reservoir is fully depleted.

Should additional information be required please feel free to contact Mr. Richard Cottle in Harken's Farmington Office or the undersigned.

cc: BIA Gallup
State of Utah
Navajo Nation

14. I hereby certify that the foregoing is true and correct.
Signed *Sachelle Lopez* Title Production Administrator Date 3/4/96
(This space for Federal or State office use)

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

HARKEN
 Susan Herrera
 RHM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER: N9290
 REPORT PERIOD (MONTH/YEAR): 02/2001
 AMENDED REPORT (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes			
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)	
NAVAJO TRIBAL 23-13										
4303730971	09420	40S 24E 13	DSCR	P	OW	28	1,071	551	2,296	
NAVAJO TRIBAL 41-2										
4303731041	09437	42S 24E 02	DSCR	P	OW	19	174	23	0	
NAVAJO TRIBAL 32-26										
4303731060	09990	40S 22E 26	DSCR	P	OW	8	104	291	0	
NAVAJO TRIBAL 14-10										
4303730977	10130	40S 24E 05	DSCR	P	OW	28	93	0	0	
SAHGZIE 1										
4303731472	11032	42S 24E 05	DSCR	P	OW	28	1,025	476	0	
ANASAZI 1										
4303731478	11042	42S 24E 05	DSCR	P	OW	28	1,308	1,349	0	
CAJON MESA 8D-1										
4303731497	11074	40S 25E 08	DSCR	P	OW	27	245	355	61	
MONUMENT 8N-2										
4303731509	11087	40S 25E 08	DSCR	P	OW	28	239	496	0	
RUNWAY 10G-1										
4303731515	11105	40S 25E 10	DSCR	S	OW	28	1,412	1,613	432	
RUNWAY 10E-2										
4303731550	11128	40S 25E 10	DSCR	S	GW	27	279	917	0	
MONUMENT 17E-2										
4303731547	11139	40S 25E 17	DSCR	S	OW	26	157	548	0	
LONE MOUNTAIN CREEK 12F-1										
4303731545	11148	42S 24E 12	DSCR	P	OW	22	149	533	12	
RUNWAY 10C-5A										
4303731597	11152	40S 25E 10	DSCR	P	OW	24	221	899	40	
TOTALS								6477	8051	2841

COMMENTS: _____

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

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

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(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

Susan Herrera
 RIM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER: N9290
 REPORT PERIOD (MONTH/YEAR): 02/2001
 AMENDED REPORT (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes			
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)	
✓	4303731562	11161	42S 23E 01	DSCR	P	OW	27	800	778	36
✓	4303731572	11207	42S 24E 05	DSCR	P	OW	28	1,187	1,284	0
✓	4303731573	11215	42S 23E 01	DSCR	P	OW	28	297	504	0
✓	4303731595	11224	41S 23E 36	DSCR	S	OW	0	0	0	0
✓	4303731617	11326	41S 24E 31	DSCR	P	OW	28	308	348	73
✓	4303731616	11479	41S 25E 35	DSCR	S	OW	0	0	0	0
✓	4303731708	11496	41S 24E 31	DSCR	P	OW	28	489	0	0
✓	4303731709	11497	41S 24E 31	DSCR	S	OW	0	0	0	0
✓	4303731710	11498	41S 24E 31	DSCR	P	OW	28	1,074	333	120
✓	4303731714	11722	42S 25E 06	DSCR	P	OW	26	262	551	0
✓	4303731741	11734	41S 25E 32	DSCR	TA	NA	0	0	0	0
✓	4303731744	11773	42S 24E 06	DSCR	P	OW	28	205	303	0
TOTALS								4622	4101	229

COMMENTS:

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

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number (505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

BEFORE THE BOARD OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE REQUEST)
FOR AGENCY ACTION OF HARKEN)
SOUTHWEST CORPORATION FOR)
THE DESIGNATION OF THE)
MONUMENT 8-N-2, BLUE HOGAN)
1-J-1, BROWN HOGAN 1-A-2, LONE)
MOUNTAIN CREEK 12-F-1, NORTH)
HERON 35-C, AND MULE 31M WELLS)
AS WILDCAT WELLS FOR)
PURPOSES OF SECTION 59-5-102(2)(d))
OF THE UTAH CODE ANNOTATED,)
SAN JUAN COUNTY, UTAH.)

ORDER DESIGNATING BLUE
HOGAN 1-J-1, BROWN HOGAN
1-A-2, MULE 31M, AND LONE
MOUNTAIN CREEK 12-F-1 WELLS
AS WILDCAT WELLS

Docket No. 94-023

Cause No. 232-2(a)

On July 16, 1996, the Utah Supreme Court filed its decision in the appeal entitled *Harken Southwest Corporation v. Board of Oil, Gas and Mining, et. al.*, Case No. 950121, wherein Harken Southwest Corporation ("Harken") appealed the Board of Oil, Gas and Mining's (the "Board") prior Order in this matter dated October 5, 1995. That Order denied Harken's Request for Agency Action seeking to designate the wells subject to this matter as wildcat wells for the limited purpose of qualifying for a severance tax exemption under Section 59-5-102(2)(d) of the Utah Code Annotated. The Supreme Court affirmed the Board's decision not to confer wildcat status on the North Heron and Monument Wells, and reversed the Board's refusal to confer wildcat status for the Lone Mountain Creek 12-F-1 Well. The Supreme Court also vacated the Board's decision as to the Blue Hogan, Brown Hogan, and Mule Wells, and remanded the matter to the Board to reconsider

the evidence regarding those wells. The parties, Harken and the Division of Oil, Gas and Mining, have since filed a stipulation designating the Blue Hogan, Brown Hogan, and Mule Wells as wildcat wells for the purpose of the severance tax exemption statute.

Based on the Utah Supreme Court's decision, the remittitur of the record in this matter, the stipulation of the parties, and good cause appearing, therefore, it is hereby:

ORDERED, ADJUDGED, AND DECREED that the Blue Hogan 1-J-1 Well, situated in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 1, Township 42 South, Range 23 East, S.L.M.; the Brown Hogan 1-A-2 Well, situated in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1, Township 42 South, Range 23 East, S.L.M.; the Mule 31M Well, situated in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 31, Township 41 South, Range 24 East, S.L.M., and the Lone Mountain Creek 12-F-1 Well, situated in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 12, Township 42 South, Range 24 East, S.L.M., are approved and designated as wildcat wells for the limited purpose of qualifying for a severance tax exemption under Section 59-5-102(2)(d) of the Utah Code Annotated.

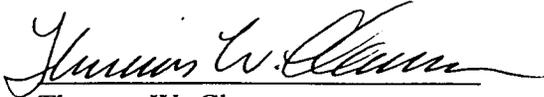
DATED this 23rd day of October, 1996.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING

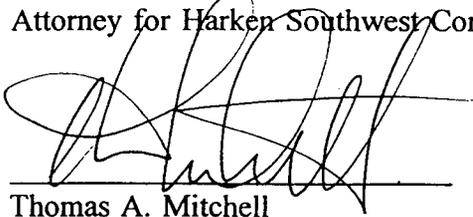


Dave D. Lauriski, Chairman

Approved as to form:



Thomas W. Clawson
Attorney for Harken Southwest Corporation



Thomas A. Mitchell
Attorney for Division of Oil, Gas and Mining

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>SEE ATTACHED</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: SEE ATTACHED
2. NAME OF OPERATOR: RIM Southwest Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
3. ADDRESS OF OPERATOR: P.O. Box 145 CITY Farmington STATE NM ZIP 87499		7. UNIT or CA AGREEMENT NAME: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>SEE ATTACHED</u>		8. WELL NAME and NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: SEE ATTACH
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: <u>UTAH</u>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Corporate Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Corporate Name Change from Harken Southwest Corporation to RIM Southwest Corporation, effective December 1, 2000 for reporting requirements.

RECEIVED

APR 23 2001

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>W.J. Holcomb</u>	TITLE <u>Vice-President</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/23/2001</u>

(This space for State use only)

OPERATOR CHANGE WORKSHEET

ROUTING

- | |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

12/1/2000

FROM: (Old Operator): N9290-Harken Southwest Corporation 5 Inverness Drive, East Denver, CO 80112 Phone: (303) 799-9828	TO: (New Operator): N1715-Rim Southwest Corporation PO Box 145 Farmington, NM 87499 Phone: (505) 327-5531
--	---

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO TRIBAL 32-26	26	400S	220E	4303731060	9990	Indian	OW	S
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	P
STERLING 36L-1	36	410S	230E	4303731595	11224	Indian	OW	S
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
JACK 31G	31	410S	240E	4303731709	11497	Indian	OW	S
CLAY HILL CANYON 32D	32	410S	250E	4303731741	11734	Indian	OW	TA
NORTH HERON 35C	35	410S	250E	4303731616	11479	Indian	OW	S
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
BIG SKY 6E (6L) 1	06	420S	250E	4303731714	11722	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/27/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/27/2001
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/30/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 794466-0143
5. If NO, the operator was contacted on: _____
6. (R649-9-2)Waste Management Plan has been received on: 8/13/2003

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: not given

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 8/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 8/26/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB0001937

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Because this was a merger, all LA and PA wells belong to Rim Southwest also. However, they are still on our computer as Harken Southwest because no list was provided to move them.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2012

FROM: (Old Operator): N1715- RIM Southwest Corp P.O. Box 2058 Farmington, NM 87499 Phone: 1 (505) 327-5531	TO: (New Operator): N2550- Navajo Nation Oil & Gas Company 1675 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303) 534-8300
---	---

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/11/2012
- 4a. Is the new operator registered in the State of Utah: Business Number: 7407010-0147
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 12/11/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/11/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/11/2012
- Bond information entered in RBDMS on: 12/11/2102
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 12/11/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

RIM Southwest Corp (N1715) to Navajo Nation Oil Gas Company (N2550)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API Number	Entity	Lease	Well Type	Well Status
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 11148
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Navajo Nation Oil and Gas Company		8. WELL NAME and NUMBER: Lone Mountain Creek 12F #1
3. ADDRESS OF OPERATOR: P. O. Box 5069 Window Rock STATE AZ ZIP 86515		9. API NUMBER: 43-037-31545
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1810 FNL & 1470 FWL COUNTY: San Juan QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE NW sec. 12 T42S R24E STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Greater Aneth

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Navajo Nation Oil and Gas Company certifies that it is authorized by the proper lease interest owners to conduct operations associated with this application. Bond coverage pursuant to 43CFR3104 for lease activities is being provided by Navajo Nation Oil and Gas Company with their BIA Bond RLB0014524.

RIM Southwest Corporation the previous operator, hereby names Navajo Nation Oil and Gas Company as successor operator effective August 1, 2012

RIM SOUTHWEST CORPORATION

RENE MORIN, VICE-PRESIDENT

Bond No. RLB 000 6712

NAME (PLEASE PRINT) <u>Lauren Germinario</u>	TITLE <u>Land Manager</u>
SIGNATURE <u>Lauren Germinario</u>	DATE <u>8/1/12</u>

(This space for State use only)

APPROVED

DEC 11 2012

DIV. OIL GAS & MINING
BY: Rachael Medina

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

A handwritten signature in black ink that reads "Katie Hynes". The signature is written in a cursive, flowing style.

Katie Hynes
Associate Landman

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: Various
		10. FIELD AND POOL, OR WILDCAT: Various
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGM No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGM No. : 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario TITLE Land Manager
SIGNATURE *Lauren Germinario* DATE 9/14/12
APPROVED

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: Various
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Various
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these work wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) <u>Lauren Germinario</u>	TITLE <u>Land Manager</u>
SIGNATURE <u><i>Lauren Germinario</i></u>	DATE <u>9/18/2012</u>

This space for State use only) **APPROVED**

DEC 31 2012

DIV. OIL GAS & MINING

BY: Rachel Medina (See Instructions on Reverse Side)

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING