



CHUSKA ENERGY COMPANY

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

RECEIVED
FEB 27 1990

February 22, 1990

DIVISION OF
OIL, GAS & MINING

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

RE: Application for Permit to Drill the Monument 8-N-2, San Juan County, Utah.

Gentlemen,

Attached for your examination and approval is the original and two copies of the Application for Permit to Drill the Monument 8-N-2 well in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

This well has been staked 380 ft outside of the 40 acre Utah State spacing window in order to position the well bore to penetrate a geologic structure that has been identified by seismic interpretation. Chuska Energy Company controls all of the surrounding acreage in section 8 and in the adjacent sections. Attached is a base map showing the proposed Monument 8-N-2 well and the area of interest.

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

Sincerely,

Donald S. Barnes
Operations Manager

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN
 b. Type of Well
 Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
 Chuska Energy Company

3. Address of Operator
 315 N. Behrend, Farmington, New Mexico 87401

4. Location of Well (Report location clearly and in accordance with any State requirements.)
 At surface: 80' FSL x 1830' FWL SESW
 At proposed prod. zone:

14. Distance in miles and direction from nearest town or post office*
 7 miles north of Aneth, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 80'
 16. No. of acres in lease 50,000

13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 1598
 19. Proposed depth 6241' Akch
 20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
 5127' GR 5141' KB
 22. Approx. date work will start* 5-30-90

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	24.0	500	370 sks (424 cf)
7 7/8	5 1/2	15.5	6241	661 sks (1083 cf)

See attached 10 Point Plan and Drilling Prognosis.

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: Donald S. Barnes Title: Operations Manager Date: 2-22-90

(This space for Federal or State office use)

APT NO. 43-037-31509 Approval Date _____

Approved by: _____ Title: _____

Conditions of approval, if any:

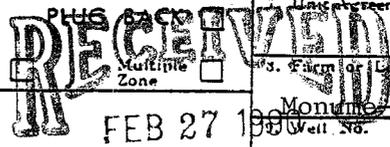
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3-12-90

BY: John R. Day

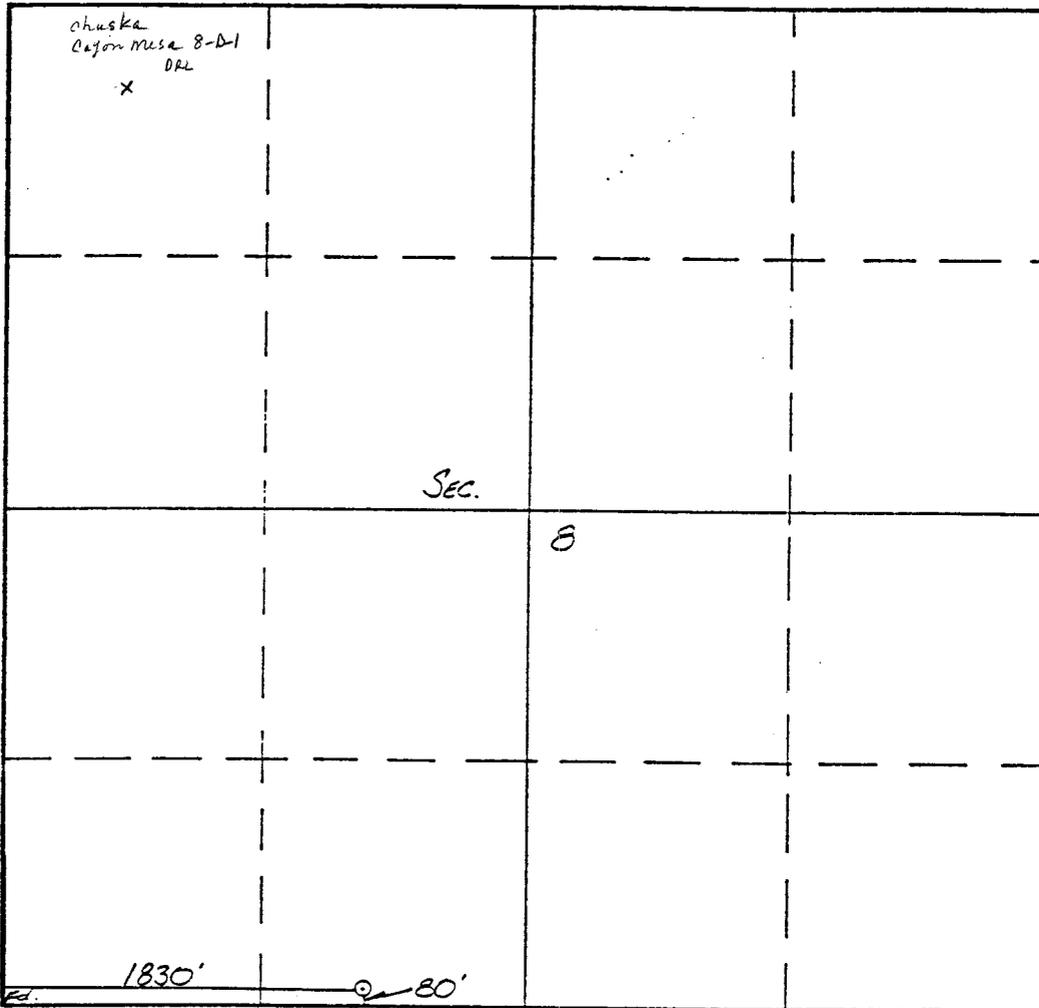
WELL SPACING: 10/5-3-3

*See Instructions On Reverse Side



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
 Monument 8 - N
 9. Well No.
 2
 10. Field and Pool, or Wildcat
 Aneth Undesignated (002)
 11. 00, Sec., T., R., N., or S1k.
 and Survey or Area
 Sec. 8, T40S, R25E
 12. County or Parrish | 13. State
 San Juan | Uta-

COMPANY CHUSKA ENERGY COMPANY
 LEASE MONUMENT 8-N WELL NO. 2
 SEC. 8, T. 40 S, R. 25 E
 COUNTY San Juan STATE Utah
 LOCATION 80'FSL & 1830'FWL
 ELEVATION 5127



SCALE: 1" = 1000'

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

SEAL:



W. E. Mahnke II

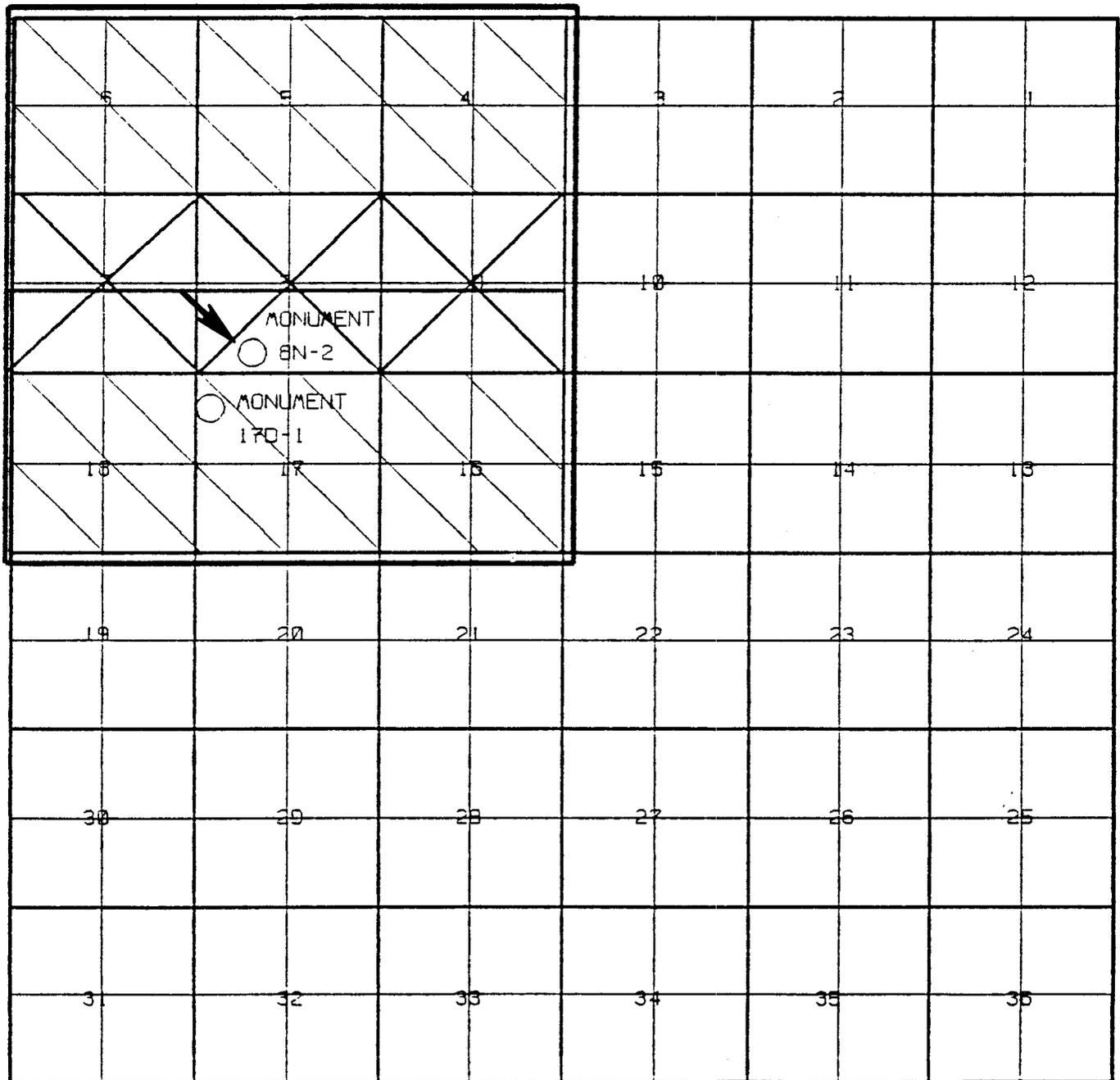
WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED Jan. 26, 19 90

T40S-R25E
San Juan County
Utah

MAP LEGEND

-  CECO Acreage
-  non-CECO Acreage
-  Farm-In Option
-  Open Land
-  Area of Interest



CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Monument 8-N-2
80' FSL. 1830' FWL
Section 8. T40S. R25E
San Juan County. Utah

1. SURFACE FORMATION

Geological name of surface formation; Dakota Sandstone.

2. ELEVATION

Surface elevation; 5127' GR, 5141' KB.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea</u> <u>Elevation</u>	
Surface	Dakota	+ 5127'	
61'	Morrison	+ 5080'	
1221'	Navajo	+ 3920'	
1914'	Chinle	+ 3227'	
2961'	DeChelly	+ 2180'	
3136'	Organ Rock	+ 2005'	
3831'	Cedar Mesa	+ 1310'	
4956'	Hermosa	+ 185'	Oil/Gas
5861'	Upper Ismay	- 720'	Oil/Gas
5981'	Lower Ismay	- 840'	Oil/Gas
6051'	Desert Creek	- 910'	Oil/Gas
6181'	Akah	- 1040'	
6241'	Total Depth	- 1100'	

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	6241'	5 1/2"	15.5 ppf	K-55	STC

Surface Cementing:

370 sx (424 ft³) Class 'G' cement with 2% CaCl₂ and ¼ lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume will be calculated at 100% excess over annular volume.

Production Cementing:

First Stage

TD to 3500' (stage collar @ + 3500'). Lead with 195 sx Class 'G' cement, 65:35 Pozmix with 6% gel and ¼ 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 476 ft³.

Second Stage

3500' to surface. Lead with 266 sx Class 'G' cement, 65:35 Pozmix with 6% gel and ¼ 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 607 ft³.

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

5. BLOWOUT PREVENTER (See attached schematics)

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

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

6. PROPOSED MUD PROGRAM

Surface to 3500'

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

3500' to Total Depth

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

7. AUXILIARY EQUIPMENT

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

8. WELL EVALUATION

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

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

9. ABNORMAL PRESSURES/GAS

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

10. TIMING

The drilling and evaluation of this well is estimated to be 15 days. Anticipated spud date is May 30, 1990.

EXHIBIT A

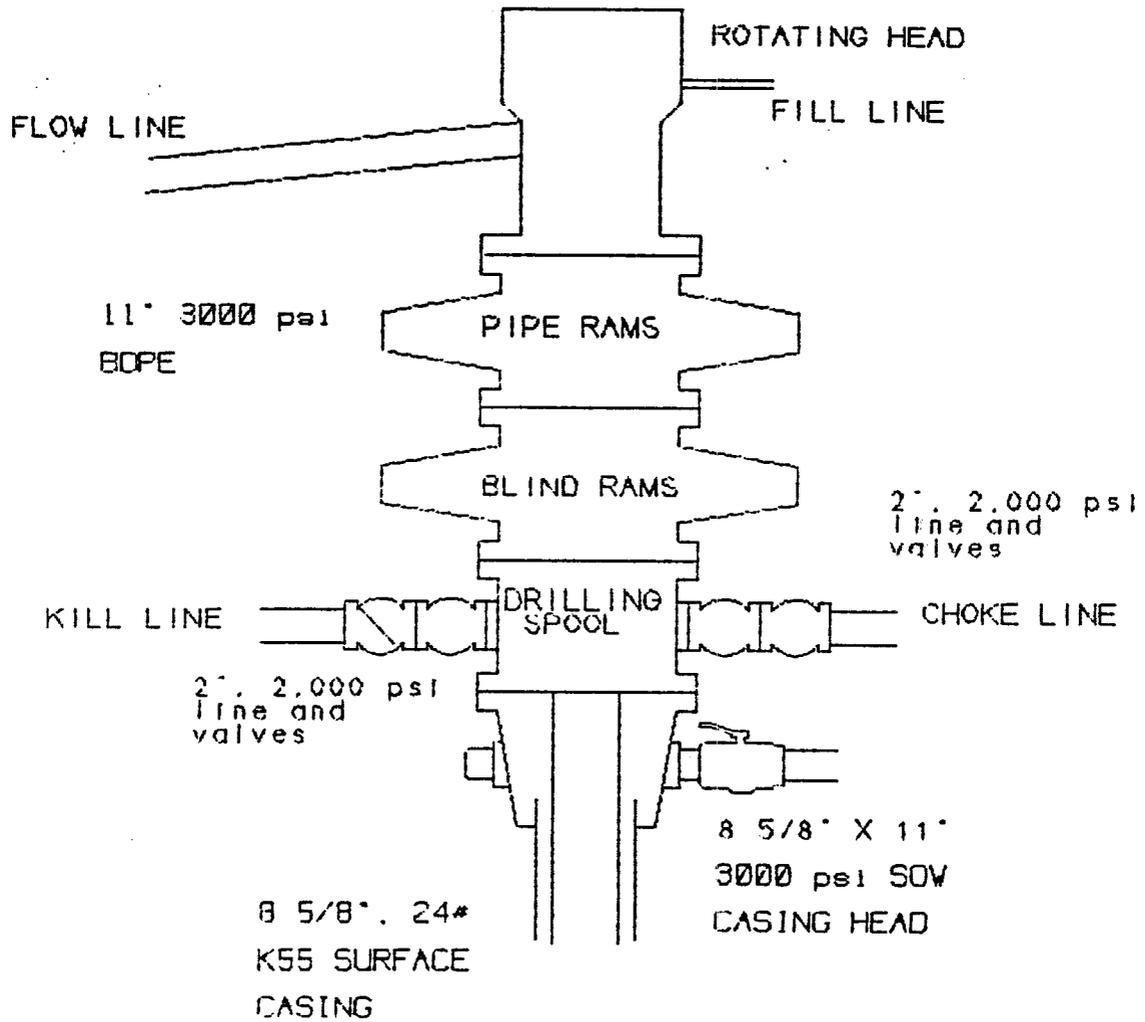
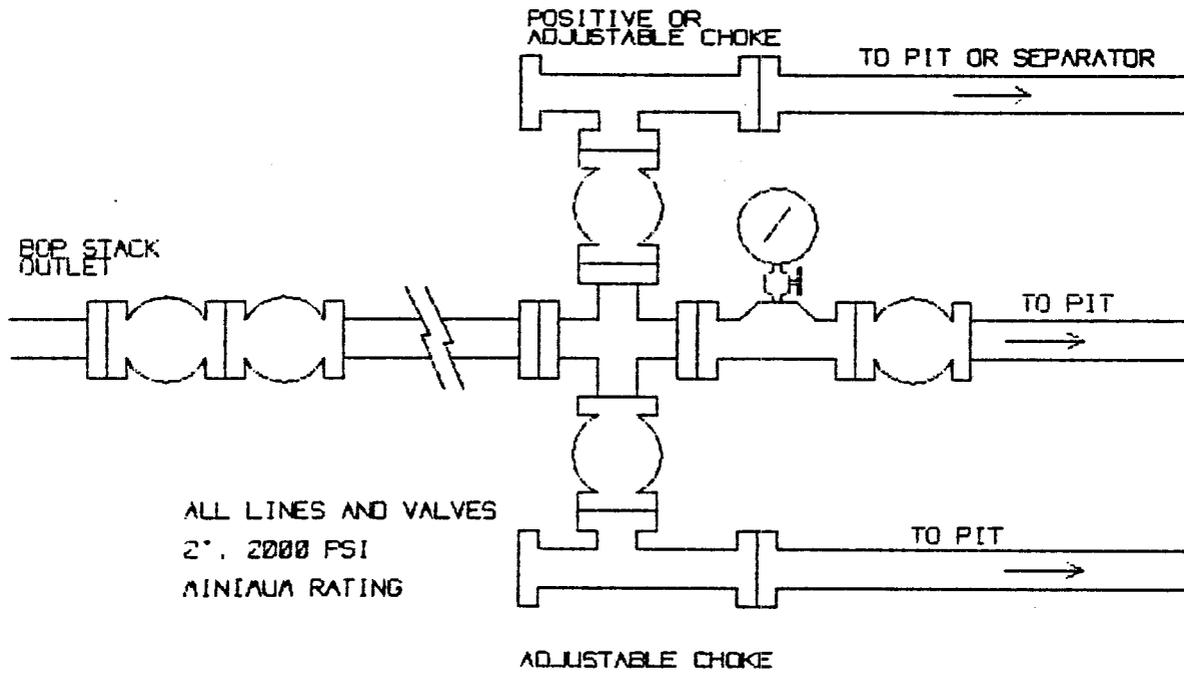


EXHIBIT B - CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: February 22, 1990

WELL NAME: Monument WELL NO.: 8-N-2

LOCATION: 80' FSL, 1830' FWL
Section 8, T40S, R25E
San Juan County, Utah

ELEVATION: 5127' GR, 5141' KB

TOTAL DEPTH: 6241'

PROJECTED HORIZON: Upper Ismay at 5861', Lower Ismay at 5981'
Desert Creek at 6051'

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 12¼" hole to + 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500'. Deviation surveys will be run at 250' and at casing point.
4. Run 8 5/8", 24 ppf, K-55, STC casing to TD. Cement with 370 sx (424 ft³) of Class 'G' cement with 2% CaCl₂ and ¼ 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. Pressure test BOP to 2000 psi for 30 minutes. Pressure test manifold and all related equipment to 2000 psi. Pressure test casing to 1500 psi for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to TD. Deviation surveys are to be taken every 500' or on bit trip whichever occurs first. Maximum allowable deviation will be 5° at TD with the maximum allowable rate of change to be 1°/100'.
8. Run open hole logs and evaluate. Drill stem test as per wellsite geologist's recommendation.

9. If well is determined to be commercial, run 5½", 15.5 ppf, K-55, STC casing to TD. Set stage cementing collar at + 3500'. Cement in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5½" casing slips, 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.

Monument 8-N-2
Section 8, Township 40S, Range 25E
80' FSL, 1830' 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 instructions.

Monument B-N-2
Section 8, Township 40S, Range 25E
80' FSL, 1830' 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 Aneth, following the Hovenweep Monument Road, county road 5069 (Exhibit 1). Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD (SHOWN IN RED)

The access road as shown on the attached topographic map will exit from the Hovenweep Road. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Approximately 1800 ft of new road will be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other wells or facilities in the area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

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

5. LOCATION & TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

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

7. METHODS OF HANDLING WASTE MATERIAL

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

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

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on an southeast/northwest trend requiring 3' of cut on the northwest corner and 21' of fill on the southeast corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11.

OPERATORS REPRESENTATIVE

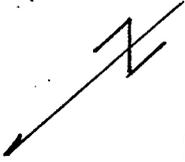
CHUSKA ENERGY COMPANY
315 NORTH BEHREND AVENUE
FARMINGTON, NEW MEXICO 87401
DONALD S. BARNES

12. CERTIFICATION

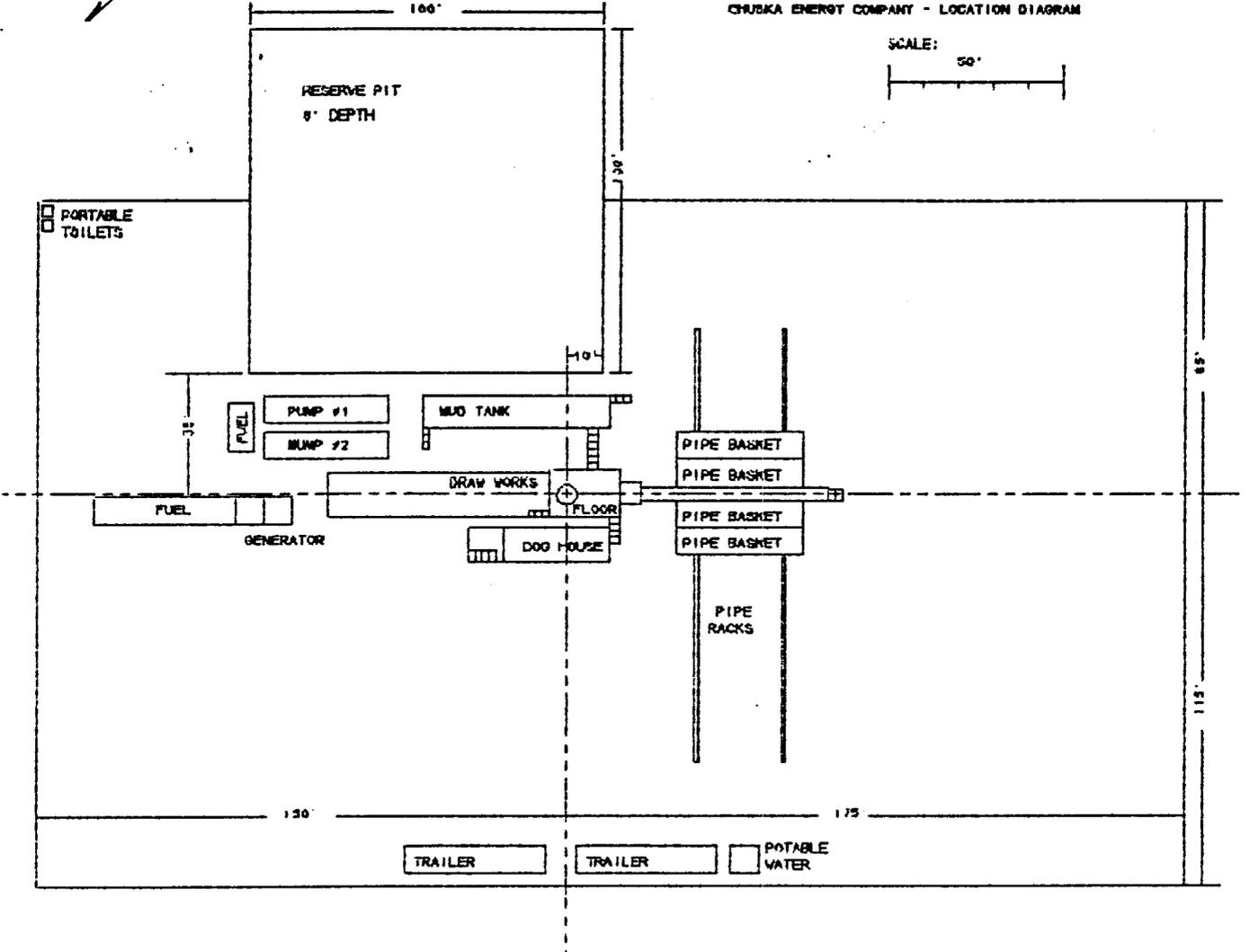
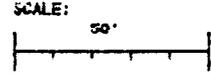
I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned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



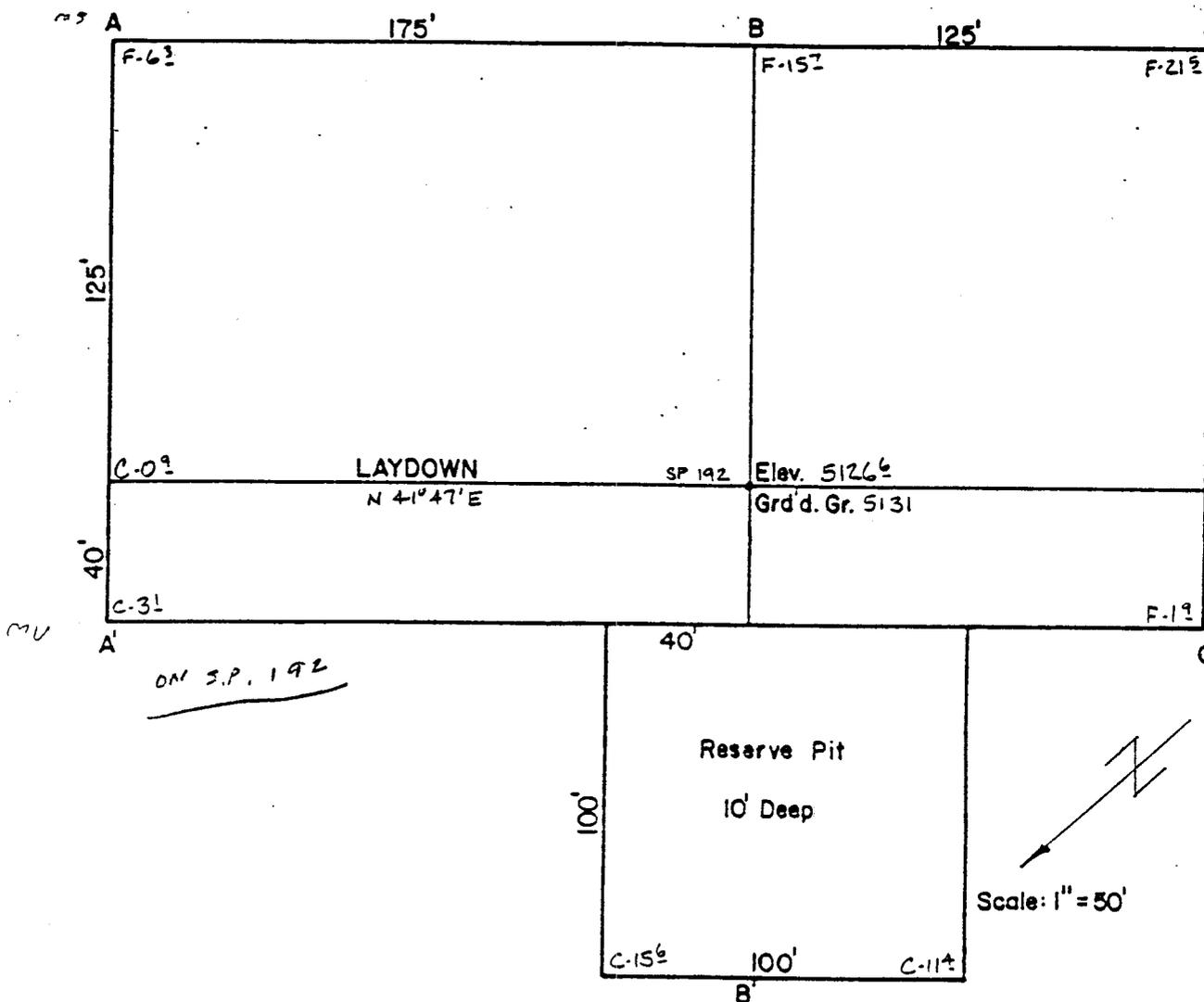
DONALD S. BARNES
Operations Manager



CHUSKA ENERGY COMPANY - LOCATION DIAGRAM



MONUMENT 8-N 2
 80' FSL & 1830' T
 Sec. 8, T40S, R25E
 San Juan Co., Utah



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

5135	-----	-----	-----	-----	-----
5125	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----

B-B'

5135	-----	-----	-----	-----	-----
5125	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----

C-C'

5130	-----	-----	-----	-----	-----
5120	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----



CHUSKA ENERGY COMPANY

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

RECEIVED

MAR 5 1990

WATER RIGHTS
PRICE

February 28, 1990

State of Utah
Water Rights Division
P.O. Box 718
Price, Utah 84501-0718
Attention: Mr. Mark Page

RE: Water Use Permit for the Drilling of the Monument 17-D-1 and
Monument 8-N-2.

Dear Sir:

Chuska Energy Company proposes to drill the subject wells with operations scheduled to begin 4/15/90.

Chuska proposes to haul water utilizing tank trucks, via Hay Hot Oil Service from their artesian well. This water well is located at 1050' FNL and 1575' FWL, in section 27, T40S, R23E, San Juan County, Utah. The water well is permitted to Hay Hot Oil Service, Permit #09-1419 (A60809). The anticipated amount of water required is approximately 0.9 acre-feet per drilling location.

Our proposed drilling sites are tabularized below.

Monument 17-D-1 1046' FNL x 695' FWL
 section 17, T40S, R25E
 San Juan County, Utah

Monument 8-N-2 80' FSL x 1830' FWL
 section 8, T40S, R25E
 San Juan County, Utah

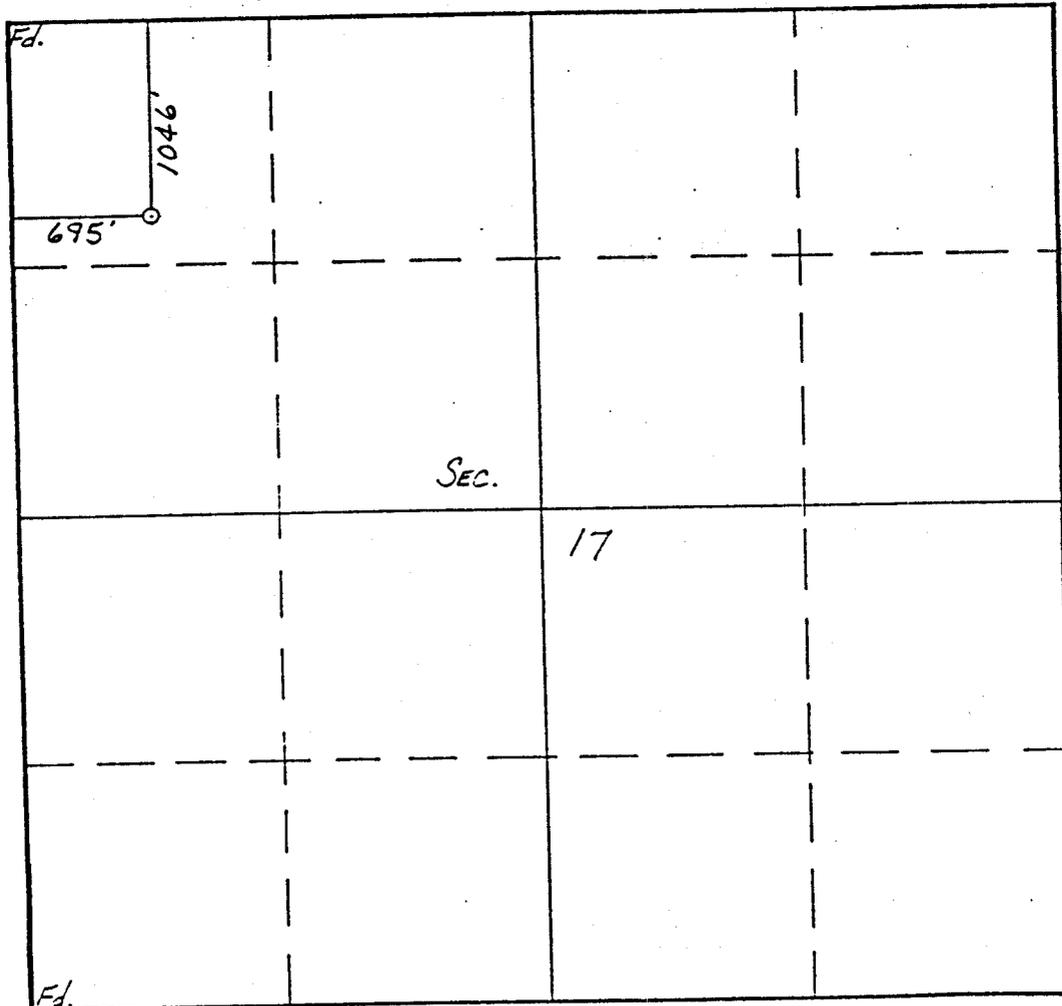
I have attached copies of our staking plattes for each location.

Please advise if you require more information. You may contact me at Chuska Energy, (505) 326-5525.

Sincerely,

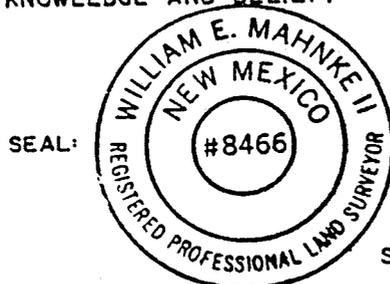
Robert R. Griffiee
Operations Engineer

COMPANY CHUSKA ENERGY COMPANY
 LEASE MONUMENT 17-D ~~WEST ISMAY 17D~~ WELL NO. 1
 SEC. 17, T. 40 S, R. 25 E
 COUNTY San Juan STATE Utah
 LOCATION 1046' FNL & 695' FWL
 ELEVATION 4949



SCALE: 1" = 1000'

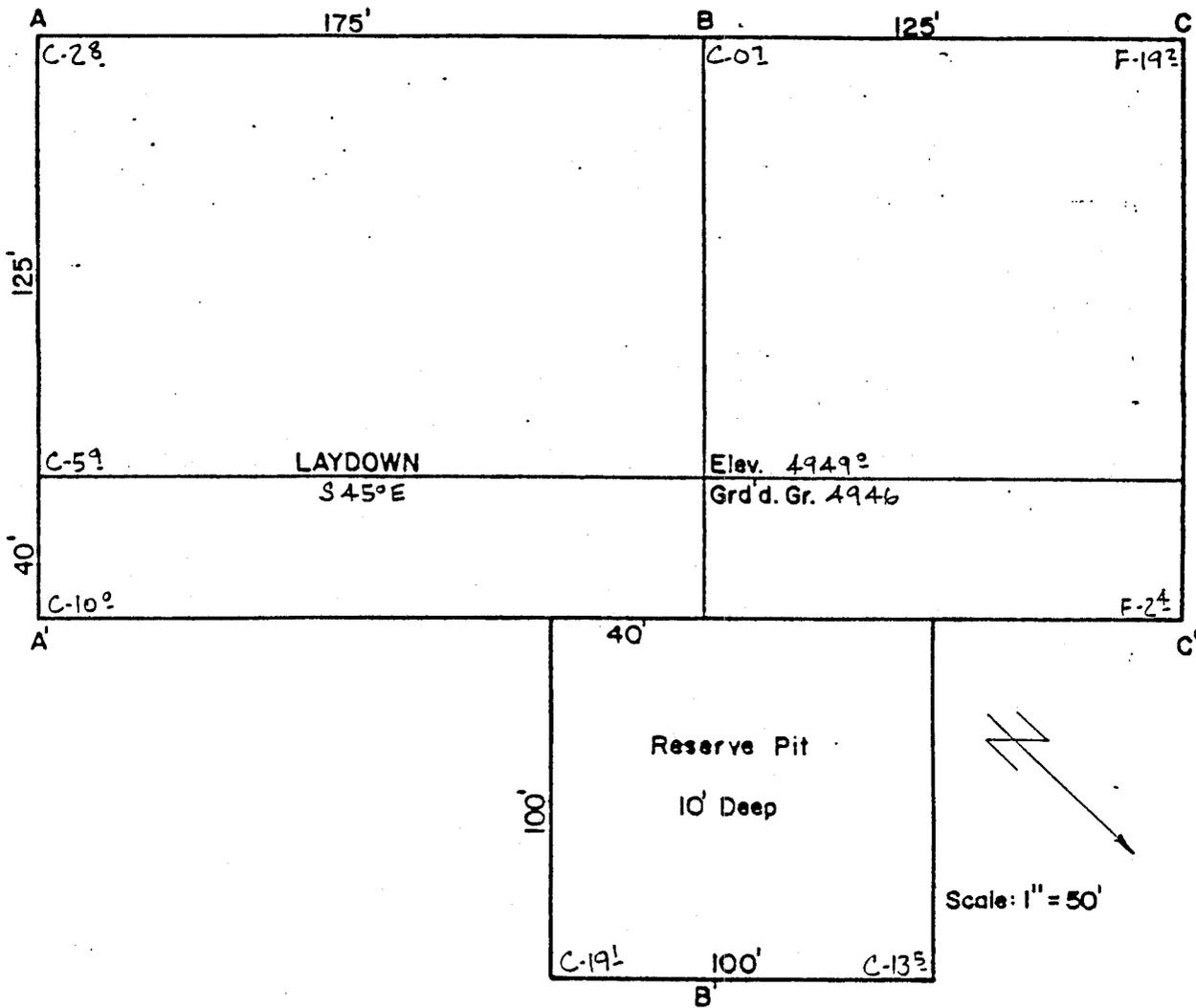
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.




 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. N° 8466

SURVEYED Jan. 29, 19 90

CHUSKA ENERGY COMPANY
 WEST ISMAY 17D #1 Monument 17-D-1
 1046' FNL & 695' FWL
 Sec. 17, T40S, R25E
 San Juan Co., Utah



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

4960	-----	-----	-----	-----	-----	-----
4950	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

B-B'

4950	-----	-----	-----	-----	-----	-----
4940	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

C-C'

4940	-----	-----	-----	-----	-----	-----
4930	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

OPERATOR Chuska Energy Company (N9290) DATE 2-28-90

WELL NAME Monument #8-N-2

SEC SESW 8 T 40S R 25E COUNTY San Juan

43-037-31509
API NUMBER

Indian (27)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (sec. 8 & 17)
Water Permit 09-1419 / A60809 (Hay Hot Oil, Inc.)
Exception location requested, awaiting map of surrounding area of interest as mentioned on APD. Received 2-28-90 (460' radius)

APPROVAL LETTER:

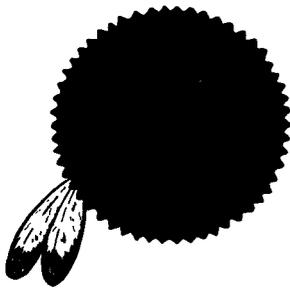
SPACING: R615-2-3 N/A R615-3-2
UNIT

N/A R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

CC: BIA

[@



CHUSKA ENERGY COMPANY

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

February 28, 1990

RECEIVED
MAR 02 1990

DIVISION OF
OIL, GAS & MINING

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

ATTENTION: Lisha Romero

Dear Lisha:

Attached is the map showing Chuska's acreage for the Monument 8-N-2 which you requested on February 28, 1990.

Please advise if you require additional information.

Sincerely,

A handwritten signature in black ink that reads "Robert R. Griffiee". The signature is fluid and cursive, with a long horizontal stroke at the end.

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosure
File:RRG\MON8N2MA



STATE OF UTAH
NATURAL RESOURCES
Water Rights

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

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

RECEIVED
MAR 07 1990

March 5, 1990

DIVISION OF
OIL, GAS & MINING

Chuska Energy Company
Attn: Robert R. Griffiee, Operations Engineer
315 North Behrend
Farmington, New Mexico 87401

Re: Monument 17-D #1 - NW4NW4 Sec. 17, T40S, R25E, SLB&M
Monument 8-N #2 - SE4SW4 Sec. 8, T40S, R25E, SLB&M

Dear Mr. Barnes:

This letter will serve as authorization from this Division to proceed with the drilling at the two noted locations. It is understood that the drilling and maintenance water will be hauled to the sites by Hay Hot Oil Inc. under their existing water right 09-1419 (A60809). It is also noted on your request that 0.90 acre feet of water will be required at each location.

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

Sincerely,

Mark P. Page
Area Engineer

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

MPP/mjk



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

March 12, 1990

Chuska Energy Company
315 North Behrend
Farmington, New Mexico 87401

Gentlemen:

Re: Monument #8-N-2 - SE SW Sec. 8, T. 40S, R.25E - San Juan County, Utah
80' FSL, 1830' 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.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health; Bureau of General Sanitation, telephone (801) 538-6121.

Page 2
Chuska Energy Company
Monument #8-N-2
March 12, 1990

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31509.

Sincerely,



R. J. Erth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
D. R. Nielson
J. L. Thompson
WE14/5-6

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31509

SPODDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: MONUMENT #8-N-2

SECTION SESW 8 TOWNSHIP 40S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC

RIG # 184

SPOUDED: DATE 4/24/90

TIME 4:00 p.m.

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY DONALD BARNES

TELEPHONE # (505) 326-5525

DATE 4/24/90 SIGNED TAS



CHUSKA ENERGY COMPANY

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

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

April 25, 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

RE: Sundry Notice: Monument 8 N 2
Spud

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information concerning this Sundry. We will appreciate your prompt consideration.

Sincerely,

A handwritten signature in cursive script, appearing to read "Donald S. Barnes".

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosures
File:DSB\MONSPUD.8N2

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1. LEASE DESIGNATION & SERIAL NO.
NOG - 8702- 1116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Monument 8 N

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat-Aneth

11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA
Sec. 8, T40S, R25E

12. COUNTY
San Juan

13. STATE
Utah

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.

RECEIVED
APR 30 1990

1. 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. See also space 17 below.)
At surface 80' FSL x 1830' FWL
At proposed prod. zone

14. API NO.
43-037-31509

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
5127' CR 5142.6 KB

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 COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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) Spud <input checked="" 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 _____

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.

Chuska Energy Company spud the Monument 8N-2 2330 hours 04-24-90.

Aztec Well Service Rig #184 will be the drilling contractor for this well.

Notified Don Elsworth of rig move and planned spud 04-24-90.

OIL AND GAS	
DRN	DP
JRS	CLH
DTS	SLG
1-TAS ✓	
2- MICROFILM ✓	
3- FILE	

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

SIGNED Donald S. Barnes TITLE Operations Manager

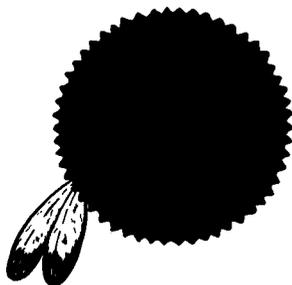
DONALD S. BARNES

DATE 4-25-90

(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

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

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

May 1, 1990

RECEIVED
MAY 07 1990

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

DIVISION OF
OIL, GAS & MINING

RE: Entity Action Form - Monument 8 N 2

Gentlemen:

Enclosed you will find original and two copies of the above-referenced Entity Action Form for your files.

If anything further is needed, please advise.

Sincerely,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosure
File:DSB\ENTMON.8N2

OPERATOR Chuska Energy Company N9290

OPERATOR ACCT. NO. N

ADDRESS P. O. Box 780, Farmington, N.M. 87401

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	11087	43-037-31509	Monument 8N 2		8	40S	25E	San Juan	4-24-90	

WELL 1 COMMENTS:

Spudded well 2330 hrs. 4-24-90. Using Aztec Well Service Rig #184. Notified Don Ellsworth of rig move and planned spud.

WELL 2 COMMENTS:

*Indian - Rose
Field - Undesignated
Unit - N/A* *Proposed Zone - Akah
(New entity 11087 added 5-11-90) JCR*

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.

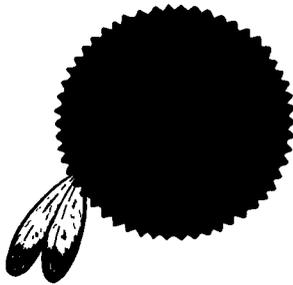
RECEIVED
MAY 07 1990

DIVISION OF
OIL, GAS & MINING

Donald S. Barnes
Signature Donald S. Barnes

Operations Manager 5-1-90
Title Date

Phone No. (505) 326-5525



CHUSKA ENERGY COMPANY

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

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

RECEIVED
MAY 29 1990
DIVISION OF
OIL, GAS & MINING

May 23, 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

RE: Well Completion Report - Monument 8 N 2

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Well Completion Report.

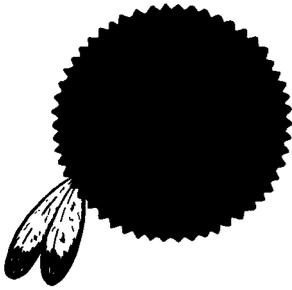
Please advise if you require any additional information.

Sincerely,

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosures
File:RRG\COMPMON.8N2

OIL AND GAS	
DRN	RJF
D. JRB ✓	CLH
DTS	SLS
DME	
1 - FAS ✓	
23 - MICROFILM ✓	
14 - FILE	



CHUSKA ENERGY COMPANY

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

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

RECEIVED
MAY 29 1990

DIVISION OF
OIL, GAS & MINING

May 23, 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

RE: Sundry Notice - Operations Report for Period 5-13-90 thru
05-22-90 - Monument 8 N 2

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosures
File:RRG\OSUNMON.8N2

OIL AND GAS	
DRN	RJF
JRB	CLH
DTS	SLS
1-TAS	✓
2-	MICROFILM ✓
3-	FILE

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.)

3. LEASE DESIGNATION & SERIAL NO.
NOG 8702 - 1116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Monument 8 N

9. WELL NO.
2

10. FIELD AND POOL OR WILDCAT
Wildcat/Apoth

11. SEC. T40S. OR 34S. AND SURVEY OR AREA
Sec. 8, T40S, R25E

12. COUNTY
San Juan

13. STATE
Utah

RECEIVED
MAY 29 1990

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
P. O. Drawer 780, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface 80' FSL x 1830' FWL
At proposed prod. zone

5. DIVISION OF OIL, GAS & MINING

14. API NO.
API #43-037-31509

15. ELEVATIONS (Show whether OF, AT, GR, etc.)
5127' GR 5142.6 KB

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 COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Operators Report</u> <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 _____	

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.)

Activity from 5-13-90 to 5-22-90:

Rigged up Navajo West rig #533. Cleaned out to PBTD @ 6174'. Ran CBL-GR-CCL. Perforate D.C. 6042' - 6080'. Acidize with 7600 gals. 28% MSR 100, swab well in, flow test well through test separator. Produced 424 bbls. oil, 716 MCF gas, and 13 bbls water. Choke size 21/32". Well shut in for 72 hours pressure buildup test.

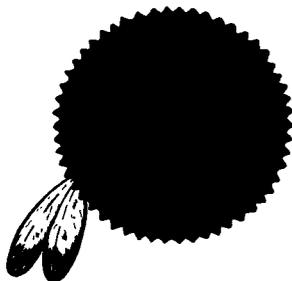
* Must be accompanied by a cement verification report.

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

SIGNED Robert P. Crieff TITLE Operations Engineer DATE 5-23-90
ROBERT P. CRIEFF

(This space for Federal or State office use)

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



CHUSKA ENERGY COMPANY

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

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

RECEIVED
MAY 29 1990

DIVISION OF
OIL, GAS & MINING

May 23, 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

RE: Sundry Notice - Operations Report for Activity from
4-24-90 thru 5-8-90 - Monument 8 N 2

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosures
File:RRG\MONSUN.8N2

OIL AND GAS	
DRN	RF
JRB	OLH
DTS	SLS
1-TAS ✓	
2-	MICROFILM ✓
3-	FILE

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.
NOG 8702 - 1116
4. IF INDIAN ALLOTTEE OR TRIBE NAME

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.)

RECEIVED
MAY 29 1990
DIVISION OF OIL, GAS & MINING

Navajo Tribal
UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company
3. ADDRESS OF OPERATOR

P. O. Drawer 780, Farmington, New Mexico 87499
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 80' FSL x 1830' FWL
At proposed prod. zone

4. FARM OR LEASE NAME
Monument 8 N
5. WELL NO.
2

6. FIELD AND POOL, OR WILDCAT
Wildcat/Aneth
7. SEC. T. R. M. OR BLK. AND SURVEY OR AREA

Sec. 8, T40S, R25E
8. COUNTY
San Juan
9. STATE
Utah

14. API NO.
API #43-037-31509

13. ELEVATIONS (Show whether DF, AT, GR, etc.)
5127' GR 5142.6 KB

14. 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 COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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>Operations Report</u> <input checked="" type="checkbox"/>	

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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.

Activity from 4-24-90 to 5-8-90:

Spudded 12 1/4" hole on April 24, 1990. Drilled to 505'. Set 8 5/8" O. D. 24# K-55, ST&C casing @ 500'. Cemented with 375 sx Class G cement with 2% CaCl. Drilled out with 7 7/8" bit. Drilled 7 7/8" hole to 6217'. DST'd Upper Ismay formation from 5921' - 5953'. Ran DLL-MSFL, BHC-Sonic, Litho-Density - CNL - GR - CAL logs. Ran mechanical sidewall coring tool.

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

SIGNED Robert R. Griffie TITLE Operations Engineer DATE 5-23-90
ROBERT R. GRIFFIE
(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

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

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

RECEIVED
MAY 29 1990

DIVISION OF
OIL, GAS & MINING

May 23, 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

RE: Sundry Notice - Operations Report - Monument 8 N 2

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosures
File:RRG\SUNOMON.8N2

OIL AND GAS	
DPN	RF
JRB	GLH
DTS	SLS
1-TAS ✓	
2-	MICROFILM ✓
3-	FILE

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

NOG 8702 - 1116

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal

UNIT AGREEMENT NAME

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.)

RECEIVED
MAY 29 1990
DIVISION OF OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Drawer 780, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface 80' FSL x 1830' FWL
At proposed prod. zone

4. FARM OR LEASE NAME

Monument 8 N

5. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat/Aneoh

11. SECTION, TOWNSHIP, OR BLK. AND SURVEY OR AREA

Sec. 8, T40S, R25E

14. API NO.

API #43-037-31509

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5127' GR 5142.6 KB

12. COUNTY

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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Operations Report - Casing
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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.)

May 9, 1990:

Ran 5 1/2" 15.5# K-55 casing. Landed at 6211'. Stage collar at 3499'. Cemented in two stages.

Stage 1: 490 sks. 65/35/6 followed by 215 sks Class G. (Total of 1075 cu. ft.)

Stage 2: 750 sks of 65/35/6, followed by 100 sks of Class G (1383 cu. ft.) Circulated cement to surface. Released drilling rig on 5-11-90.

* Must be accompanied by a cement verification report.

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

SIGNED Robert R. Criff TITLE Operations Engineer DATE May 23, 1990

ROBERT R. CRIFF

(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

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

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

RECEIVED
MAY 29 1990

DIVISION OF
OIL, GAS & MINING

May 23, 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

RE: Sundry Notice - First Sale of Oil - Monument 8 N 2

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

ROBERT R. GRIFFEE
Operations Engineer

RRG:bnp
Enclosures
File:RRG\1STOILMO.8N2

OIL AND GAS	
DRN	RFJ
JRB	GLH
DTS	SLS
1-TAS ✓	
2-	MICROFILM ✓
3-	FILE ✓

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS
(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.)

RECEIVED
MAY 29 1990
DIVISION OF OIL, GAS & MINING

1. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116	
2. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. UNIT AGREEMENT NAME	
4. FARM OR LEASE NAME Monument 8 N	
5. WELL NO. 2	
6. FIELD AND POOL OR WILDCAT Wildcat/Anth	
7. SEC. T. R. N. OR BLK. AND SURVEY OR AREA Sec. 8, T40S, R25E	
8. API NO. API #43-037-31509	9. ELEVATIONS (Show whether DF, RT, GR, etc.) 5127' GR 5142.6 KB
10. COUNTY San Juan	11. STATE Utah

12. 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 COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Report of first sale of oil</u> <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 _____	

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.)

* Must be accompanied by a cement verification report.

Report of first sale of oil on May 14, 1990 to Giant Refining Company

Initial Production Data:

FTP 950 PSI, 18/64 chk. 44 bbl/hr. 2-3% water cut. 1.9 MMCFD gas. 45° API @ 60°.

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

SIGNED Robert R. Griffith TITLE Operations Engineer DATE 5-23-90
(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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

Monument 8 N

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat/Aneth

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

Sec. 8, T40S, R25E

12. TYPE OF WELL: OIL WELL GAS WELL DRY

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

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR

P. O. Drawer 780, Farmington, New Mexico 87499

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

At surface

80' FSL x 1830' FWL

At top prod. interval reported below

At total depth

14. API NO. DATE ISSUED
API #43-037-31509 4-19-90

12. COUNTY

San Juan

13. STATE

Utah

15. DATE SPUDDED 4-24-90 16. DATE T.D. REACHED 5-6-90 17. DATE COMPL. (Ready to prod.) 5-17-90 (Plug & Abd.) 18. ELEVATIONS (OF, AER, RT, GR, ETC.) 5142 KB 19. ELEV. CASINGHEAD 5127

20. TOTAL DEPTH, MD & TVD 6217 21. PLUG BACK T.D., MD & TVD 6174 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY Rotary 24. ROTARY TOOLS Rotary 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

Desert Creek 6042' - 6080'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN MICROLOG, SIDEWALL CORING. WAS WELL CORED YES NO (Submit analysis) /mech. sidewall coring tool
DLL-MSFL, Litho-Density-CNL-GR-Cal, BHC sonic. DRILL STEM TEST YES NO (See separate report)

27. 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	500	12 1/4	431 cu. ft.	
5 1/2	15.5	6211	7 7/8	2458 cu. ft.	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	JACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	6110' KB	None

31. PERFORATION RECORD (Interval, size and number)

6042-6080 2 js pf 76 perf

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

6042-6080 7600 gal. 28% MSR 100

33. PRODUCTION

DATE FIRST PRODUCTION 5-14-90 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) P

DATE OF TEST 5-17-90 HOURS TESTED 24 CHOKES SIZE 21/32" PROD'N. FOR TEST PERIOD 424 bbl OIL—BSL. 1,716 mcf GAS—MCF. 13 bbl WATER—BSL. 4047 GAS-OIL RATIO

FLOW. TUBING PRESS. 1185 CASING PRESSURE 1510 CALCULATED 24-HOUR RATE 424 bbl OIL—BSL. 1,716 mcf GAS—MCF. 13 bbl WATER—BSL. 45 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Ted Begshaw

35. LIST OF ATTACHMENTS

None

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

SIGNED Robert R. Griffice
Robert R. Griffice

TITLE Operations Engineer

DATE 5-22-90

See Spaces for Additional Data on Reverse Side

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
Upper Ismay	5844	5949	DST 5921-5953			
Lower Ismay	5949	5991	IH 2957 PSI IF 81-81 PSI ISI 2222 PSI FF 81-216 PSI FSI 222 IH 2957 REC 693' HGCM			
Desert Creek	6042	6105	Oil, Gas, Water	Hermosa	4916	4916
				Ismay	5844	5844
				Lower Ismay	5949	5949
				Gothic	5991	5991
				Desert Creek	6012	6012
				Chimney Rock	6160	6160
				Akah	6182	6182



CHUSKA ENERGY COMPANY

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

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87400

RECEIVED
NOV 2 1990

DIVISION OF
OIL, GAS & MINING

30 October, 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: Monument 8N-2 Well
First Sale of Gas

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\MONUMENT.8N\SUNCOVER

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

NOG 8702-1116

IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Monument 8N

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Monument/Paradox

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA

S8 T40S R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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.)

NOV 2 1990

DIVISION OF
OIL, GAS & MINING

1. 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.
See also space 17 below.)
At surface 80' FSL, 1,830' FWL

At proposed prod. zone Same

14. PERMIT NO.
43-037-31509 *pow*

15. ELEVATIONS (Show whether DF, RT, GR etc.)
4,924' GR

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) <input type="checkbox"/>	

APPROX. DATE WORK WILL START _____

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) Report of 1st Sale of Gas <input checked="" type="checkbox"/>	

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

DATE OF COMPLETION 10-29-90

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.)

First sale of gas from this well occurred at 2300 hrs, 10-29-90.

* Must be accompanied by a cement verification report.

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

SIGNED

TITLE Petroleum Engineer

DATE 30 October, 1990

(This space for Federal or State office use)

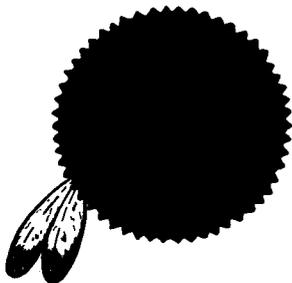
APPROVED BY _____

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

DEC 26 1990

12 December 1990
DIVISION OF
OIL, GAS & MINING

RECEIVED
DEC 26 1990

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

Attn: Vicki Carney

Ref: Electric Logs

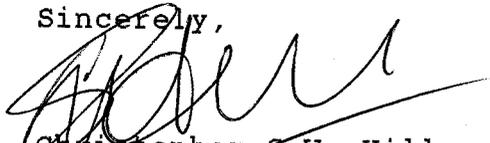
Dear Ms Carney

please find copies of the logs which you requested on the following wells:

Rabbit Ears #1 ✓
Anasazi #1 ✓
Sahgzie #1 ✓
Big Bend 8E-1 ✓
Cajon Mesa 8D-1 ✓
Monument 8N-2A AOS 25E 8 POW

Please excuse the delay in sending these to you, but we had to get new prints made from existing films, and due to a shortage of logging trucks, with printing equipment, this took some time.

Sincerely,


Christopher S.W. Hill
Petroleum Engineer

encl.



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.

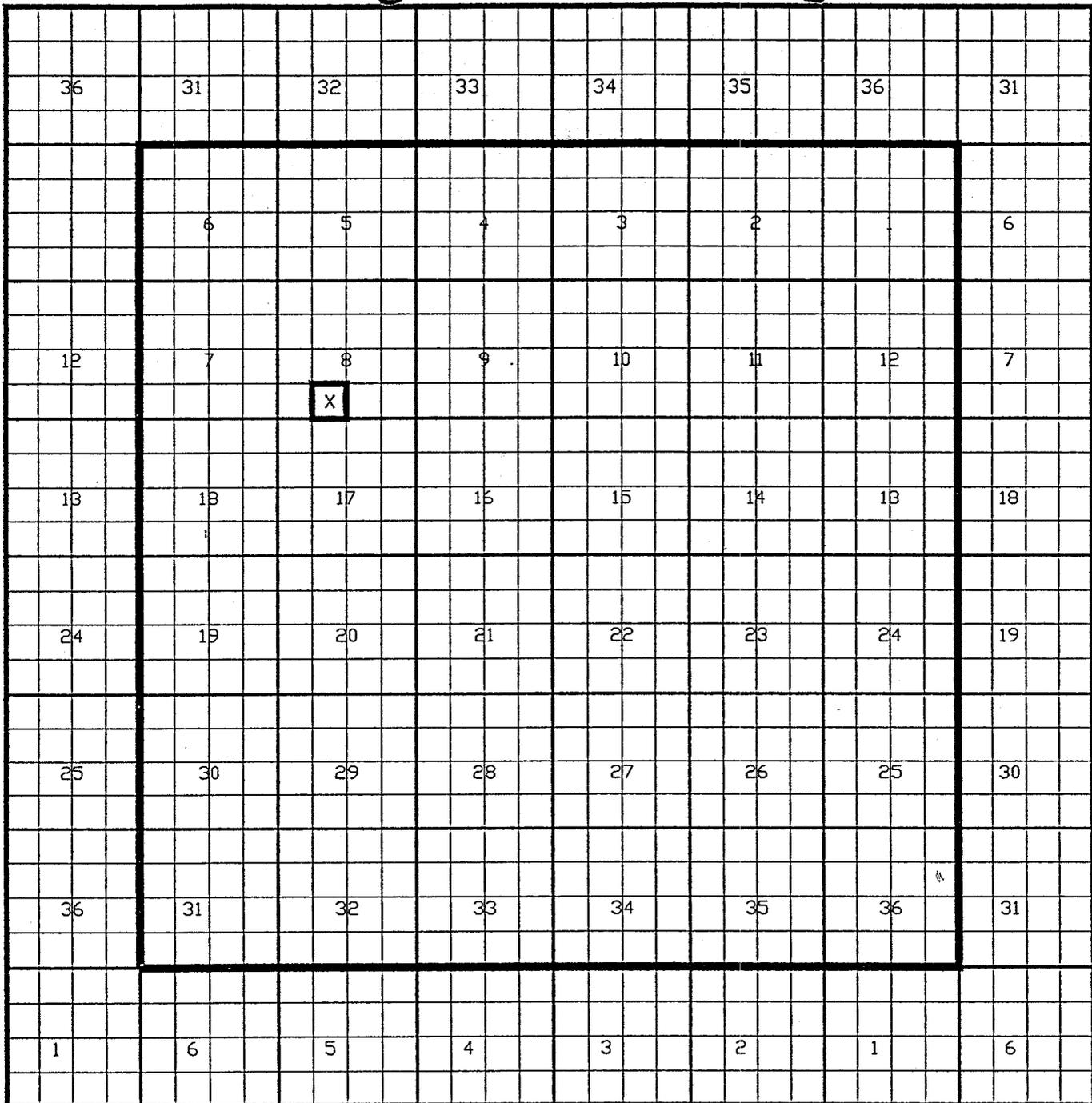
Thanks,

Herbert P. Mosca
Chuska Staff Geologist

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING



T. 40S

R. 25E

TOWNSHIP 40 SOUTH, RANGE 25 EAST - SAN JUAN COUNTY 403

SECTION 8: SE/4 SW/4

OCTOBER 1990
DESERT CREEK POOL

Field Names Advisory Committee Meeting

- X Reinstated Flat Canyon Field - to include all of Section 23-16S-6E, Emery County, East Mountain Unit 32-23 Well, Ferron Sandstone. - 43-015-31031 TRSD
- X Extended Duchesne Field - to include SE SE, Section 3-4S-4W, Duchesne County, Ute Tribal 1-3D Well, Green River Pool. 43-013-31040 GRRV
- X New Field - Unnamed 24-4S-5W to include NW NW, Section 24-4S-5W, Duchesne County, CC Ute 1-24D Well, Green River Pool. 43-013-31034 GRRV
- X New Field - Ten Mile to include SW SW, Section 26-24S-17E, Grand County, Federal #1-26, Paradox Pool. 43-019-30688 PRDX
- X New Field - Tower to include NE SE, Section 1-40S-25E, San Juan County, Tower #11-2, Desert Creek Pool. 43-037-31507 ISM4
- X New Field - Cajon Mesa to include NW NW, Section 8-40S-25E, San Juan County, Cajon Mesa #8-D-1, Desert Creek Pool. 43-037-31497 DSCR
- X New Field - Monument to include SE SW, Section 8-40S-25E, San Juan County, Monument #8-N-2, Desert Creek Pool. 43-037-31509 DSCR POW
- X New Field - Runway to include SW NE, Section 10-40S-25E, San Juan County, Runway 10G #1, Desert Creek Pool. 43-037-31515 DSCR
- X Extended Rock House Field - to include SE SE, Section 18-11S-23E, Uintah County, Marble Mansion Unit #1, Wasatch Pool. 43-047-31805 WSTC

Also, Sandy Hunt, made a recommendation, based on research completed on all fields in Utah, that certain revisions to the field categories be made.

The committee approved the new field categories and made a recommendation that the categories be updated and kept current on a yearly basis. The following field categories should be recognized:

1. Active Field: Area that includes currently producing wells.
2. Inactive Field: Area that includes shut in well(s) that have produced in the past and may be capable of producing in the future.
3. Terminated Field: Area that includes wells that have never produced and areas that have been included in other fields.

After discussion of all agenda items, Mr. Firth indicated that the next meeting would be scheduled for some time in April 1991. There being no other business, the meeting adjourned at approximately 3:30 p.m.

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)
116-1 NAVAJO TRIBAL						
✓ 4303715390 00545 41S 25E 31	DSCR					
NAVAJO TRIBAL 23-13						
✓ 4303730971 09420 40S 24E 13	DSCR					
NAVAJO TRIBAL 42-2						
✓ 4303731017 09425 42S 24E 2	DSCR					
NAVAJO TRIBAL 24-13						
✓ 4303730970 09435 40S 24E 13	DSCR					
NAVAJO TRIBAL 41-2						
✓ 4303731041 09437 42S 24E 2	DSCR					
NAVAJO TRIBAL #32-26						
✓ 4303731060 09990 40S 22E 26	DSCR					
NAVAJO TRIBAL 14-10						
✓ 4303730977 10130 40S 24E 10	DSCR					
SAHGZIE NO. 1						
✓ 4303731472 11032 42S 24E 5	DSCR					
ANASAZI #1						
✓ 4303731478 11042 42S 24E 5	DSCR					
CAJON MESA 8-D-1						
✓ 4303731497 11074 40S 25E 8	DSCR					
MONUMENT #8-N-2						
✓ 4303731509 11087 40S 25E 8	DSCR					
TOWER #1 I-2						
✓ 4303731507 11088 40S 25E 1	ISMY					
RUNWAY 10G #1						
✓ 4303731515 11105 40S 25E 10	DSCR					
TOTALS						

COMMENTS: _____

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

Name and Signature: _____ Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

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

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

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

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

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

Other
Oper. Nm. Change

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

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

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

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

4. Highlights of Conversation:

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

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJE	
5-LEC	
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>037-31509</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.
BTS 3/1/94
- 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

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

3. Name of Operator
 Chuska Energy Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SE/ 4SW/4 8-40S-25E

5. Lease Designation and Serial No.
 NOC14205297

6. If Indian, Allottee or Tribe Name
 Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.
 Monument 8N

9. API Well No.
 43-037-31509

10. Field and Pool, or Exploratory Area
 Wildcat

11. County or Parish, State
 San Juan County, Utah

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

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

(Note: Report results of multiple completions on "Fr. Completion or Re-completion Report and Log Logs")

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.)*

Please see attached procedures for workover on Monument 8N-2

RECEIVED
FEB 16 1994

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

Signed [Signature] Title Operations Engineer Date 1/7/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date T.C.

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.

Well file.

MONUMENT 8N-2 REVISED
RECOMPLETION PROCEDURE-ISMAY TEST
12-24-1993

Objective: Complete and test isolated Ismay Zones: Zone 1: 5928-33' and Zone 2: 5953-59'.

1. Hold safety meeting and review procedures w/ rig crew.
2. MIRU completion rig. Rig package to include pit, pump, power swivel and BOP.
3. Load tbg with lease oil and pressure test to 300 psi for 5 minutes. Unseat pump, hot oil down tbg with 80 bbl 185 degree heated lease oil plus 5 gallons PD 100 paraffin inhibitor. Hot oiler to begin cool down after pumping 70 bbl oil.
4. POH with following rod string LD on CECO float:
 - 1875' (75 rods) 7/8 x 25 scraped rods
 - 675' (27 rods) 3/4 x 25 scraped rods
 - 3575' (143 rods) 3/4 x 25 rods
 - 2 1/2 x 1 1/4 x 16 RWAC
5. NDWHD and NUBOP.
6. Release TAC set @ 5916'. POOH strapping out and standing back.
7. PU 4 7/8" bit, bit sub and 5 1/2" x 3 1/2' casing scraper on 2 7/8" tbg and TIH to PBSD @ +/- 6174'. POH and LD bit and scraper.
8. PU RBP and RIH and set at +/-6020'. Note: Csg: 5 1/2, 15.5, K-55 LT&C; Tbg: 2 7/8, 6.5, J-55 8RND EUE. Dump 1 sx 10/20 frac sand down tubing over RBP. POH standing back.
9. RU perforators. Using 4" HEG casing gun, perforate on one gun run following intervals under balanced with top of fluid level swabbed down to 4000': Zone #1: 5928-33' (5'); Zone #2: 5953-59' (6') 2 SPF w/ 180 degree phasing (Total: 11', 22 shots). Depths to be correlated from the Compensated Neutron-Litho-Density log dated May 7, 1990, (File #16).

NOTE: Report fluid level drop to Farmington office for orders to RU and swab for flow test (see step 17).
10. PU 4 3/4" bit, sub and 5 1/2" x 3 1/2' casing scraper on 2 7/8" tubing and TIH and clean out through perforation interval. POH and LD work string.

Page 2, Monument 8N-2 Recompletion Procedure

11. PU straddle completion packer with 8' spacing between elements and RIH on 2 7/8" tubing and set @ +/- 5900'. Run SN one joint above packer. Pressure test packer elements to 1200 psi. Equalize and TIH with top packer element at 5952'.
12. Drop fluid control valve and spot 50 gal 20% HCl lead acid and 550 gal 20% 9.2# gelled HCl tail acid to bottom of tubing. Matrix acidize Zone #1. Flush with 38 bbl fresh water.

<u>Setting Depth, ft.</u>	<u>Vol. Acid, gal.</u>	<u>Displacement Vol, gal.</u>
5952'-5960'	600	150
5926'-5931'	500	125
	1100	275 gal fresh water past perforations

Note: A total of 1100 gal (100 gal/ft, 100 gal 20% HCl, 1000 gal 20% 9.2# gelled HCl) of HCl acid will be used for the two matrix acidized breakdowns at matrix pump rate and treating pressures of 1/4 - 1/2 BPM and/or less than 2400 psi respectively.

13. After treatment of Lower Ismay Zone #2 (5953-59'), fish fluid control valve and swab well back into 500 bbl CECO test tank (swabbing operations will only be conducted during daylight hours, or if sufficient rig lighting is available to swab in complete safety). Flow well to determine Zone #2 productivity and to clean-up for maximum 2 hour flow period.
14. Release packer, equalize and PU and set top packer element @ 5926'. Drop fluid control valve and spot 50 gal 20% HCl lead acid and 450 gal 20% 9.2# gelled HCl tail acid to bottom of tubing. Matrix acidize Zone #1. Flush with 37 bbl fresh water.
15. After treatment of Upper Ismay Zone #1 (5928-33' (5')), fish fluid control valve and swab well back. Flow well for maximum 2 hour flow period.
16. If well is capable of flowing under packer, POH and LD isolation packer. PU and TIH with 2 7/8 x 5 1/2 Model 'R' production packer with one 2 7/8 " tail joint and set packer at +/- 5920'.

If well is not capable of flowing under packer, go to Step #18.

Page 3, Monument 8N-2 Recompletion Procedure

17. Swab well in and produce through separator to determine gas rate. Timings for flow periods will be advised by Farmington office. Collect water and gas samples for API analysis.

Note: If wet, a squeeze procedure will be provided by Farmington office.

18. If well is not capable of flowing under packer, POH and LD isolation packer. PU RBP retrieving tool and TIH on 2 7/8" tbg. RIH to 6020' and wash over RBP and retrieve. POH and LD RBP. PU 2 7/8 SN and TIH on 2 7/8 tbg to PBTB (6174'). Land EOT +/- 2' above PBTB.
19. Hot oil down tbg with 30 bbl lease oil. RIH with tear drop SV on sand line and pressure test tbg to 1000 psig. If okay, make minimum of 4 swab runs to clean up rat hole. POH standing back tbg.
20. RIH with same BHA as POH.
21. Land EOT at +/-6144' and pump 15 bbl lease oil down back side.
22. Set TAC 13,500# in tension, ND BOP and NU WHD.
23. Complete well for final pump installation.

Pump Installation

Production Tubular Requirements:

- 6 jts 2 7/8 tbg
- 5 1/2 x 2 7/8 TAC w/ 40K shear pin
- 2 1/2 x 1 1/4 x 16 RHAC insert pump
- 1- 5 gallon can corrosion inhibitor
- 1- Set of torque cards

Contractors: Well Service Company
Hot Oiler to pressure test and hot oil
CECO to haul pipe & BOP

24. Hold safety meeting and review procedure and BHA diagram w/ crew.
25. RU rod table and rod tongs. Calibrate makeup torque on tongs using torque cards.

Page 4, Monument 8N-2 Recompletion Procedure

26. RIH with following pump and same 76 API rod string using corrosion inhibitor on pins and boxes:
- 1- 2 1/2 x 1 1/4 x 16 RHAC insert pump
 - 1- 3/4 x 2 pony rod
 - 143- 3/4 x 25 D rods, Type 54
 - 27- 3/4 x 25 x 2 7/8 Scr. D rods 6 per, Type 78
 - 75- 7/8 x 25 x 2 7/8 Scr. D rods 6 per, Type 78
 - 1- 1 1/2 x 26 SM polish rod
27. Space out pump and hang off on 160-213-86 American pumping unit.
28. Load tubing with 30 bbl oil (5.783 bbl/1000') and pressure test tbg to 400 psi. Check pump action. Release rig and turn over to production department.

** Account for all liquid pumped into and/or removed from well.

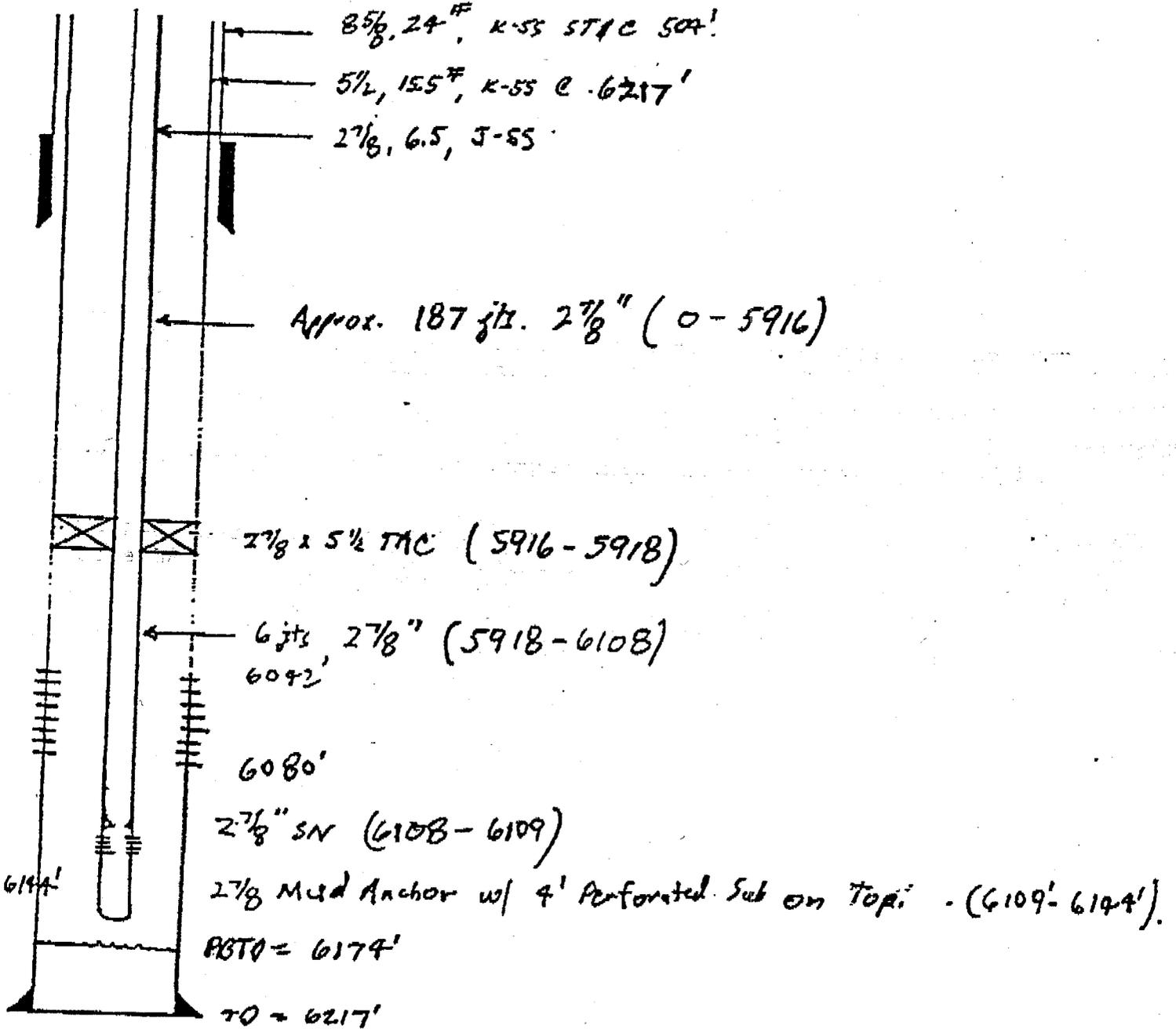
24 December 1993

File:LAC\Monument 8N-2 Recompletion

CHUSKA ENERGY COMPANY

Mon BN-2 ARTIFICIAL LEPT BHA

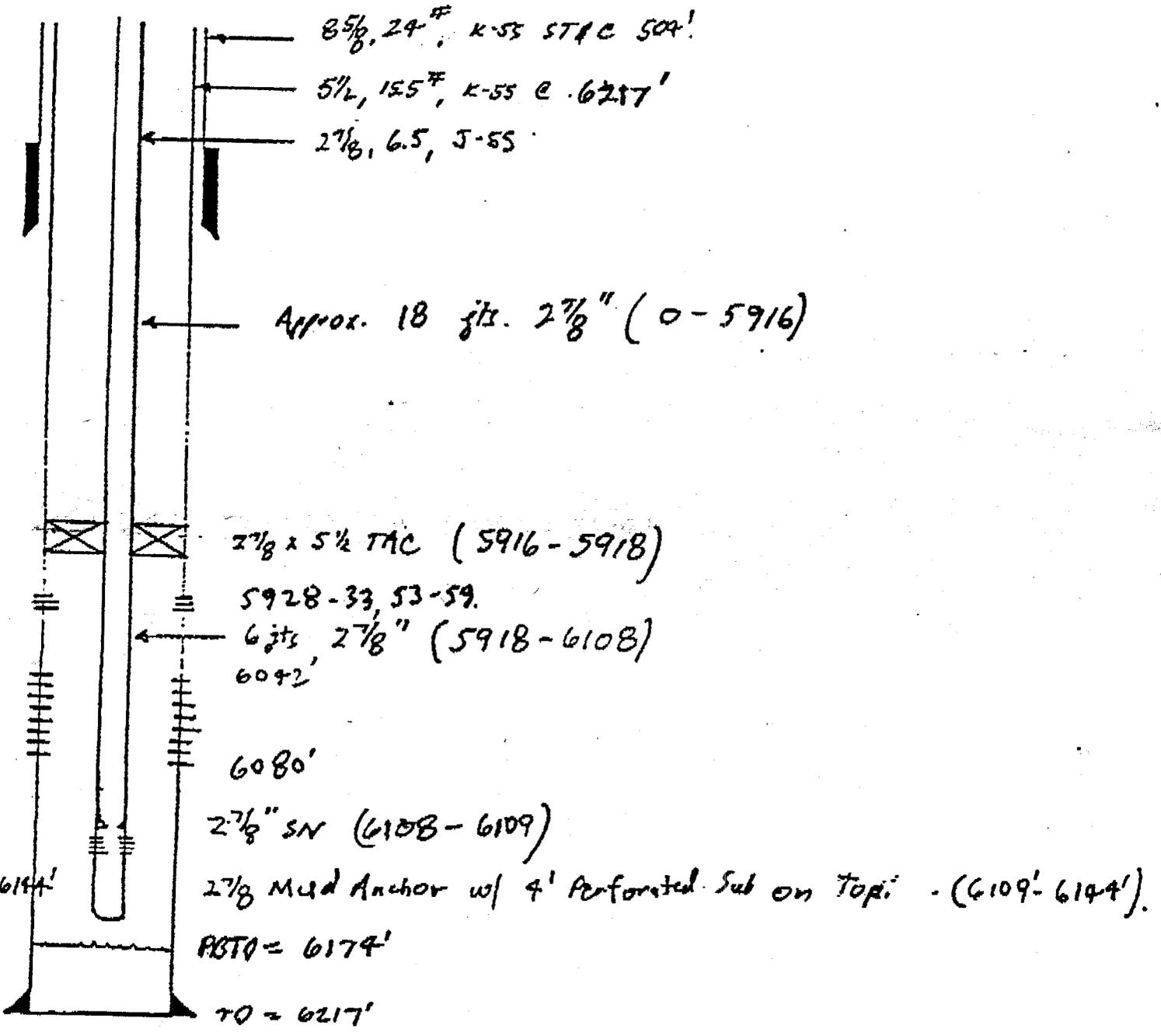
Company _____ Well No. _____ Field _____ Lease _____
 Company Rep _____ Date Drilled _____ County/Parish _____ State _____



Pod Strings	1875'	7/8 x 2 7/8 x 25 Ser. (75 rods)	BHA: 2 7/8 Bull Plug
	675'	3/4 x 2 7/8 x 25 Ser. (27 rods)	2 7/8 Mud Anchor
	3558'	3/4 x 25 NS (47 rods)	2 7/8 x 4' perf sub
			2 7/8 SN
Pump:		2 7/8 x 1 1/4 x 16 RWAC	2 7/8 TBC - 6 fts.
		w/ 4' 1 1/4" Gas Anchor	2 7/8 x 5 1/2 TAC

SAME JHA TO BE RIH.
CHUSKA ENERGY COMPANY
MON BN-2 ARTIFICIAL LEFT BHA

Company _____ Well No. _____ Field _____ Lease _____
 Company Rep. _____ Date Drilled _____ County/Parish _____ State _____



Rod Strings 1875'	7/8 x 2 7/8 x 25 Gr. (75 rods)	DHA: 2 7/8 Bull Plug
675'	7/8 x 2 7/8 x 25 Ser. (27 rods)	2 7/8 Mud Anchor
3558'	7/8 x 25 NS (42 rods)	2 7/8 x 4' perf sub
		2 7/8 SN
Pump:	2 1/2 x 1 1/4 x 16 RWAC	2 7/8 TAC - 6 jts.
	w/ 4' 1 1/4" Gas Anchor	2 7/8 x 5 1/2 TAC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
NOOC 14 20-5297

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Monument 8N2

9. API Well No.
43-037-31509

10. Field and Pool, or Exploratory Area
Monument

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Harken Southwest Corp. (aka Chuska Energy)

3. Address and Telephone No.
P.O. Drawer 612007, Dallas, TX 75261 (817) 695-4900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/SW Sec. 8-40S-25E
80' FSL & 1830' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" 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 type="checkbox"/> Other _____ <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>

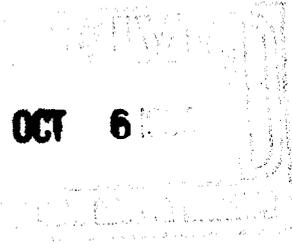
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was completed in May, 1990, as a Desert Creek producer (6042-80'). Subsequently a retrievable bridge plug was set @ 5952' and the Ismay was perforated (5953-59'; 5928-33').

Current information indicates a limited reservoir. Therefore, Harken request approval to remove the bridge plug and produce the Ismay & Desert Creek simultaneously. This will allow economic operations while recovering the available hydrocarbons.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

CC: Navajo Nation
State of Utah



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

Signed Rachelle Montgomery Title Production Administrator Date 10/5/94

(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.

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

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation (aka Chuska Energy)

3. Address and Telephone No.

P. O. Drawer 612007, Dallas, TX 75261

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

Section 8-40S-25E SE/SW
80' FSL & 1830' FWL

5. Lease Designation and Serial No.

NOOC 14 20 5297

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Monument 8N2

9. API Well No.

43-037-31509

10. Field and Pool, or Exploratory Area

Monument

11. County or Parish, State

San Juan County, 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well had not established consistent production after the Ismay recompletion attempt in December 93/January 94. Prior to December 93 the established production rate was 5 BOPD from the Desert Creek. prior to the Ismay recompletion a bridge plug was set above the Desert Creek @ ± 6006'

Recently the following work has been performed in an attempt to establish constant production:

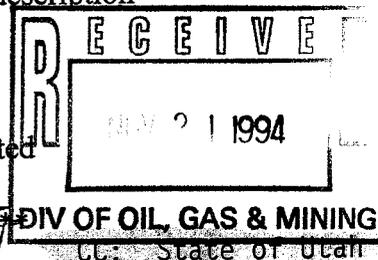
09/29/94 - Hydraulic Frac stimulate the Ismay with foam acid as per attached description

09/30/94 - Well SI

10/19/94 - MIRU, removed bridge plug (as per 10/5/94 Sundry Notice)

10/20/94 - Reset pump and prepare to put on production

10/21/94 - Back on production @ 30 BBLs of Oil, 28 MCF/D, no water reported



~~** PLEASE CONSIDER DATA PROVIDED HERE WITH CONFIDENTIAL~~

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

Signed

Rachelle Montgomery

Title Production Administrator

Date

11/17/94

(This space for Federal or State office use)

Approved by

Title

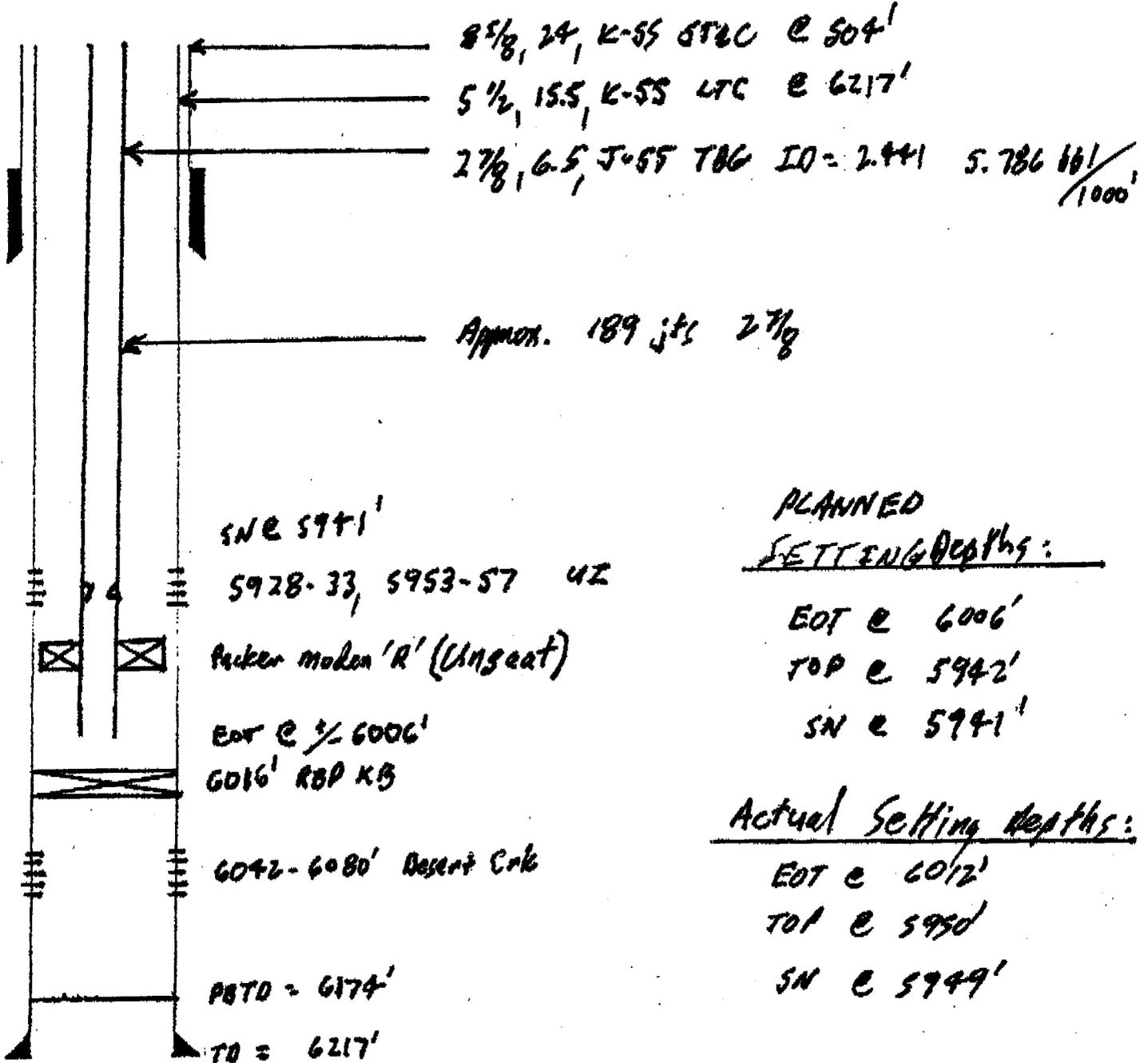
Date

Conditions of approval, if any:

HARKEN SW COAD.

MON. BN-2 BHA TO BE INSTALLED

Company _____ Well No. _____ Field _____ Lease _____
 Company Rep. _____ Date Drilled _____ County/Parish _____ State _____



Rod String: 1875' - (75) - 7/8 x 2 7/8 x 6 x 25 Sec. BHA: 189 jts 2 7/8 x 6
 675' - (27) - 3/4 x 2 7/8 x 6 x 25 Sec. 1.06' SN
 3400' - (136) - 3/4 x 25 Non-Ann 1 jt 2 7/8
 3.50 x 2 7/8 Model 'R'
 2 jts 2 7/8
 Pump: 2 1/2 x 1 1/4 x 12 R/HAC
 Unit: 5160-143-64 ~~Amstar~~ / SH: T1569-CAC-10379

MARKEN SW CORP.

COMPLETION/WORKOVER REPORT

DATE: 9-28-94	REPORT NO: 1	REPORT BY: LAC	P. 1/2
WELL NAME: Monument 8N2			
LOCATION: S8-T40S-R2SE 55 Co., UT			
CONTRACTOR: Montezuma Well Service		RIG NO: 14	

FROM	TO	DESCRIPTION OF OPERATIONS
8	9	Reel rig to location & RU.
9	10	Hot oil down BS w/ 4.5 bbl lease oil & 10 gallon PD-100 paraffin inhibitor @ 190 °F.
10	12:30	Unseat pump & PWH laying down 4- 7/8 x 8 1/2, 27 pony rods; 71- 7/8 x 25 scr rods; 27- 3/4 x 25 scr rods; 136- 3/4 x 25 rods; 1- 2 1/2 x 8 x 9 x 12 RHAC.
12:30		NWHD, LD 3- 2 7/8 subs (9.8', 8.09', 10.57') and 4- 2 7/8 jts. Set packer in 18K tension @ 5890' KB w/ EST @ 5953', NWHD. Upper ^{tree} tree to consist of 6000# MV, 6000# flange, 6000# 2" valve & inline adjustable choke w/ 6000# MV on top. Lay 2 7/8 hard line to 500 bbl free tank. Load BS w/ 85 bbl fresh H ₂ O + 5 gallons packer corrosion inhibitor. (BS Vol = .0158 bbl/st). PT packer element to 1200 psi for 5 min, ok. PT free to 3000 psi, ok. Release hot oil.
4:00	4:30	RD rig & release. Scheduled to fracture treat @ 9:00 Am, 9-29-94.

DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
		OIL, BBL	WATER, BBL	OTHER TYPE	BARRELS
DAILY COST	\$ 3616.	INTO WELL	45	-	-
TOTAL COST	\$ 3616.	FROM WELL	0	-	-
		REMAINING LOAD TO RECOVER, BBL		4.5 bbl oil	

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

23% of \$16,100 AFE.

HARKEN SW CORP

COMPLETION/WORKOVER REPORT

P. 1/5

DATE: 9-29-94 REPORT NO: 2 REPORT BY: CAC

WELL NAME: Monument 8N-2

LOCATION: 8-T40S-R25E San Juan Co., Utah

CONTRACTOR: Haliburton RIG NO: -

FROM	TO	DESCRIPTION OF OPERATIONS																																																																				
9:00	10:00	Haliburton RV Hand lines & pt to 5000 psi, ok.																																																																				
10:	10:30	PT BS to 1533 psi & monitor.																																																																				
10:40		<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 30%; text-align: center;">N₂</td> <td style="width: 20%; text-align: center;">Total</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">50,000 SEP</td> <td style="text-align: center;">Rate / 2N₂ Press. (PSI)</td> <td style="text-align: center;">Rate</td> <td style="text-align: center;">GPM</td> </tr> <tr> <td>Start N₂ pad</td> <td>4000/4000 500 / 1533</td> <td></td> <td></td> </tr> <tr> <td>45</td> <td>4800/8300 690/1650</td> <td>8.0</td> <td></td> </tr> <tr> <td>47</td> <td>4700/22,500 1700/1660</td> <td>6.2</td> <td></td> </tr> <tr> <td>49</td> <td>6000/32000 2800/1760</td> <td>5.2</td> <td></td> </tr> <tr> <td>51</td> <td>6100/39500 3425/1815</td> <td>4.9</td> <td></td> </tr> <tr> <td>53</td> <td>6325/50,000 4170/1880</td> <td>4.5</td> <td></td> </tr> <tr> <td></td> <td>Start 3500 gal 15% HCL + 8500 scf/111 N₂</td> <td></td> <td></td> </tr> <tr> <td>55</td> <td>5500/60,800 4800/1924</td> <td>3.8</td> <td></td> </tr> <tr> <td>57</td> <td>185 gal HCL 3100/79,000 4600/1911</td> <td>2.75</td> <td></td> </tr> <tr> <td>59</td> <td>235 gal HCL 2980/77,000 4450/1901</td> <td>2.75</td> <td></td> </tr> <tr> <td>11:01</td> <td>315 gal HCL 3300/89,000 4405/1884</td> <td>2.90</td> <td></td> </tr> <tr> <td>:03</td> <td>400 gal HCL 3310/89,000 4360/1856</td> <td>2.95</td> <td></td> </tr> <tr> <td>:05</td> <td>460 gal HCL 3700/96,500 4406/1830</td> <td>2.95</td> <td></td> </tr> <tr> <td>:07</td> <td>560 3640/103,000 4354/1815</td> <td>3.28</td> <td></td> </tr> <tr> <td>:09</td> <td>670 3850/112,800 4645/1780</td> <td>3.67</td> <td></td> </tr> </table>		N ₂	Total		50,000 SEP	Rate / 2N ₂ Press. (PSI)	Rate	GPM	Start N ₂ pad	4000/4000 500 / 1533			45	4800/8300 690/1650	8.0		47	4700/22,500 1700/1660	6.2		49	6000/32000 2800/1760	5.2		51	6100/39500 3425/1815	4.9		53	6325/50,000 4170/1880	4.5			Start 3500 gal 15% HCL + 8500 scf/111 N ₂			55	5500/60,800 4800/1924	3.8		57	185 gal HCL 3100/79,000 4600/1911	2.75		59	235 gal HCL 2980/77,000 4450/1901	2.75		11:01	315 gal HCL 3300/89,000 4405/1884	2.90		:03	400 gal HCL 3310/89,000 4360/1856	2.95		:05	460 gal HCL 3700/96,500 4406/1830	2.95		:07	560 3640/103,000 4354/1815	3.28		:09	670 3850/112,800 4645/1780	3.67	
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DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
DAILY COST	TOTAL COST	INTO WELL	FROM WELL	REMAINING LOAD TO RECOVER, BBL	BARRELS
\$ 12,480	\$ 16,096	0	0	36.3	Acid
				83.3	Acid
				47.0	Acid

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

99.98% of \$ 16,100 AFE.

MARKEN SW CORP.

COMPLETION/WORKOVER REPORT

P. 2 / 5

DATE: 9-29-94 REPORT NO: 2 REPORT BY: CAC

WELL NAME: Monument 8N-2

LOCATION: 8-T40S-R25E San Juan Co., UT

CONTRACTOR: Haliburton RIG NO: -

FROM	TO	DESCRIPTION OF OPERATIONS	N ₂ Rate	Press / G/S	Total Rate BPPM
11:11		750 gal H ₂ O	3850/119,000	4700/1750	3.31
:13		840	3870/126,000	4750/1742	3.33
:15		920	3900/132,000	4790/1727	3.34
:17		1045	3900/142,000	4800/1704	3.36
:19		1125	3900/149,000	4670/1687	3.40
:21		1200	3885/155,000	4707/1675	3.36
:23		1300	3875/163,000	4745/1664	3.40
:25		1400	3850/171,000	4775/1652	3.39
:27		1500	3340/179,000	4806/1642	3.21
:29		1600	3885/188,000	4852/1633	3.25
:31		1683	3900/197,000	4908/1626	3.36
:33		1773	3890/203,500	4950/1616	3.25
:35		1870	3900/211,000	5000/1605	3.28
:37		1960	3890/220,000	5031/1602	3.27
:39		2000	3615/227,000	5040/1599	2.84
:41		2085	3150/233,000	4992/1593	2.60
11:43		2170	3212/239,000	4977/1587	2.64

DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
DAILY COST	-	OIL, BBL	WATER, BBL	OTHER TYPE	BARRELS
INTO WELL	-	-	-	-	-
FROM WELL	-	-	-	-	-
TOTAL COST	-	REMAINING LOAD TO RECOVER, BBL			

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

MARKEN SW CORP.

COMPLETION/WORKOVER REPORT

P.3
/5

DATE: 9-29-94	REPORT NO: 2	REPORT BY: LAC
WELL NAME: Monument 8N-2		
LOCATION: 8-T405-R25E San Juan, UT		
CONTRACTOR:		RIG NO:

FROM	TO	DESCRIPTION OF OPERATIONS			
		GAL H ₂ O	N ₂ Rate	Press / BS	Total Rate BPM
11:45		2200	3239 / 296,000	4968 / 1580	2.66
:47		2300	3251 / 252,500	4950 / 1577	2.69
:49		2380	3242 / 259,000	4943 / 1572	2.70
:51		2456	3280 / 266,000	4928 / 1567	2.00
:53		2500	3261 / 272,000	4890 / 1565	2.86
:55		2590	3263 / 278,000	4820 / 1542	2.94
:57		2670*	3282 / 285,000	4866 / 1513	2.85
:57:30		Start 60,000 scf N ₂ Flush.			
:59			3275 / 292,000	4822 / 1500	1.92
12:01			3365 / 298,000	4850 / 1493	1.97
1:03			3390 / 304,500	4883 / 1492	1.99
:05			3425 / 311,000	4926 / 1496	2.00
:07			3388 / 319,000	4948 / 1501	1.97
:09			3380 / 324,500	4995 / 1501	1.97
:11			3424 / 332,000	5077 / 1511	1.93
:13			2962 / 338,000	5110 / 1516	1.70
:15			2875 / 343,000	5150 / 1522	1.64

DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
		OIL, BBL	WATER, BBL	OTHER TYPE	BARRELS
DAILY COST	-	INTO WELL	-	-	-
TOTAL COST	-	FROM WELL	-	-	-
		REMAINING LOAD TO RECOVER, BBL		-	

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

HARKEN SW CORP

COMPLETION/WORKOVER REPORT

P. 4
/ 5

DATE: 9-29-94		REPORT NO: 2	REPORT BY: CAC
WELL NAME: Monument 8N-2			
LOCATION: 8-T905 - R 25 E San Juan UT			
CONTRACTOR:			RIG NO:
FROM	TO	DESCRIPTION OF OPERATIONS	
		<i>N₂ Rate</i> SCFPM / E.SCF	<i>Press/OS</i> <i>Total Rate</i> BPM
12:17		SD. 0 / 395,613	5092 / 1525 Estimated Flow Gradient = .94 Initial remaining load: 83.3 bbl
12:26		Flow Back. AD Halilunton	choke
12:30		FTP 1600 psi	14/64 Gas Only
12:45		1300 psi	14/64 Acid Flow Back
1:00		850	14/64 Acid Flow Back / Tr oil
1:15		550	20/64 " " "
1:30		400 / 550 <i>15 mSI</i>	20/64 22.1 / 22.1 / 61.20 0-8"
1:45		350 /	20/64
2:00		240 / 390 <i>5 mSI</i>	20/64 7.3 / 29.4 / 53.00 Tr oil Acid Flow Back
2:30		175 / 280 <i>5 mSI</i>	20/64 7.3 / 36.7 / 46.6 Tr oil
3:00		130 / 310 <i>5 mSI</i>	20/64 3.7 / 40.4 / 42.9 1 1/2 oil
3:30		130 / 200 <i>5 mSI</i>	20/64 1.8 / 42.2 / 41.1 1 1/2 oil
4:00		120 / 175 <i>5 mSI</i>	20/64 1.9 / 44.1 / 39.2 2 1/2 oil
4:30		100 / 150 <i>5 mSI</i>	20/64 1.9 / 46.0 / 37.3 2 1/2 oil
5:00 PM	9-29-94	50 / 120 <i>5 mSI</i>	30/64 1.0 / 47.0 / 36.3 2 1/2 oil
8:00 AM	9-30-94	Well logged off, gasing intermediately.	30/64 5.5 / 52.5 / 30.8 2 1/2 oil

DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
		OIL, BBL	WATER, BBL	OTHER TYPE	BARRELS
DAILY COST	\$ 12,480	INTO WELL	0	83.3 bbl	Acid
TOTAL COST	\$ 16,096	FROM WELL	0	47.0 bbl	Acid
		REMAINING LOAD TO RECOVER, BBL		36.3 bbl	Acid

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

99.98% of \$16,100 AFE.

Customer: HARKEN ENERGY CORP.
 Well Desc: MONUMENT 8N #2
 Formation: ISMAY

Date: 29-Sep-1994
 Ticket #: 699441.1
 Job Type: FOAMED ACID

DATA LISTING

TIME	Tubing Pr (psi)	BHP(Calc) (psi)	Slurry Rt (bpm)	Slry Vol (gal)	N2 Rt/Std (ft3/min)	N2 Vol/Std (ft3)
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10:31:22 Event #1 Start Job

10:31:41 Stage #1 Test Lines

10:31:55	-3	2599	0.00	1	0	0
10:32:35	1182	3784	0.03	13	7	7
10:33:15	5101	7704	0.00	13	0	12
10:33:55	4953	7555	0.00	13	0	12
10:34:35	710	3311	0.00	13	0	12
10:35:15	37	2656	0.00	13	0	12

10:35:26 Event #2 OPEN WELL HEAD

10:35:53	56	2658	0.00	13	0	12
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==== Stage Total 12.57 (gal) ====

10:36:08 Stage #2 START N2 PAD

10:36:31	58	2658	0.00	13	0	12
10:37:11	63	2614	0.00	13	6	37
10:37:51	63	2614	0.00	13	0	37
10:38:31	226	149	0.00	13	2789	525
10:39:11	474	100	0.00	13	4444	3332
10:39:51	623	100	0.00	13	4026	6067
10:40:31	859	392	0.00	13	4563	9155
10:41:11	1080	829	0.00	13	4318	12062
10:41:51	1309	1147	0.00	13	4547	15018
10:42:31	1543	1458	0.00	13	4705	18113
10:43:11	1782	1769	0.00	13	4725	21258
10:43:51	2022	2063	0.00	13	4750	24415
10:44:31	2268	2382	0.00	13	4760	27580
10:45:11	2557	2408	0.00	13	6356	31067
10:45:51	2921	2997	0.00	13	5705	34957
10:46:31	3276	3401	0.00	13	6096	38906
10:47:11	3625	3814	0.00	13	6319	43058
10:47:51	3934	4201	0.00	13	6348	47289

==== Stage Total 0.00 (gal) ====

Customer: HARKEN ENERGY CORP.
 Well Desc: MONUMENT 8N #2
 Formation: ISMAY

Date: 29-Sep-1994
 Ticket #: 699441.1
 Job Type: FOAMED ACID

TIME	Tubing Pr (psi)	BHP(Calc) (psi)	Slurry Rt (bpm)	Slry Vol (gal)	N2 Rt/Std (ft3/min)	N2 Vol/Std (ft3)
10:48:19 Stage #3 START ACID W/N2						
10:48:29	4194	4529	0.02	13	6308	51295
10:49:09	4487	4651	1.25	38	6277	55487
10:49:49	4766	5145	0.78	70	5957	59499
10:50:29	4797	5286	0.84	94	4954	63062
10:51:09	4701	5272	0.85	117	4037	65808
10:51:49	4611	5277	0.86	141	3363	68210
10:52:29	4548	5235	0.86	165	3058	70341
10:53:09	4507	5215	0.87	190	2968	72335
10:53:49	4472	5199	0.88	214	2995	74325
10:54:29	4446	5195	0.88	239	2985	76318
10:55:09	4423	5195	0.89	264	2973	78305
10:55:49	4406	5201	0.89	289	2973	80286
10:56:29	4405	5211	0.89	314	3221	82385
10:57:09	4399	5216	0.93	339	3333	84573
10:57:49	4389	5222	0.98	365	3364	86811
10:58:29	4364	5237	0.98	393	3313	89033
10:59:09	4350	5275	0.99	421	3219	91202
10:59:49	4357	5316	0.99	448	3261	93355
11:00:29	4404	5398	0.98	476	3271	95545
11:01:09	4480	5451	1.13	504	3621	97818
11:01:49	4529	5529	1.11	536	3677	100257
11:02:29	4560	5581	1.11	567	3673	102716
11:03:09	4585	5634	1.11	598	3555	105125
11:03:49	4600	5666	1.11	629	3489	107467
11:04:29	4630	5705	1.12	660	3494	109790
11:05:09	4661	5740	1.11	692	3548	112136
11:05:49	4683	5764	1.12	723	3590	114517
11:06:29	4696	5782	1.12	754	3586	116913
11:07:09	4716	5778	1.12	786	3844	119464
11:07:49	4726	5800	1.12	817	3768	121994
11:08:29	4741	5816	1.12	848	3799	124512
11:09:09	4753	5823	1.12	880	3852	127064
11:09:49	4773	5842	1.12	911	3883	129643
11:10:29	4795	5864	1.12	942	3906	132240
11:11:09	4818	5888	1.11	974	3916	134847
11:11:49	4838	5910	1.12	1005	3911	137454
11:12:29	4848	5920	1.11	1036	3906	140059
11:13:09	4813	5872	1.12	1067	3912	142662
11:13:49	4738	5774	1.13	1099	3923	145271
11:14:29	4677	5695	1.13	1130	3923	147884
11:15:09	4673	5688	1.13	1162	3903	150493
11:15:49	4690	5708	1.13	1194	3887	153092
11:16:29	4710	5733	1.13	1225	3879	155680
11:17:09	4725	5752	1.12	1257	3879	158264
11:17:49	4739	5762	1.16	1289	3877	160849
11:18:29	4751	5777	1.17	1321	3869	163430

Customer: HARKEN ENERGY CORP.
 Well Desc: MONUMENT 8N #2
 Formation: ISMAY

Date: 29-Sep-1994
 Ticket #: 699441.1
 Job Type: FOAMED ACID

TIME	Tubing Pr (psi)	BHP(Calc) (psi)	Slurry Rt (bpm)	Slry Vol (gal)	N2 Rt/Std (ft3/min)	N2 Vol/Std (ft3)
11:19:09	4761	5792	1.17	1354	3862	166005
11:19:49	4771	5808	1.16	1387	3865	168582
11:20:29	4782	5819	1.21	1420	3839	171154
11:21:09	4794	5837	1.20	1454	3855	173721
11:21:49	4804	5856	1.20	1487	3835	176288
11:22:29	4795	5905	1.20	1521	3345	178709
11:23:09	4825	5868	1.19	1555	4058	181280
11:23:49	4838	5901	1.19	1588	3936	183949
11:24:29	4850	5970	0.90	1620	3892	186554
11:25:09	4820	6033	0.07	1626	3904	189150
11:25:49	4877	5902	0.60	1636	3890	191747
11:26:29	4909	5845	1.19	1667	3901	194343
11:27:09	4914	5860	1.15	1699	3905	196945
11:27:49	4935	5900	1.08	1732	3911	199550
11:28:29	4948	5918	1.05	1761	3904	202153
11:29:09	4960	5931	1.04	1791	3888	204747
11:29:49	4975	5954	0.98	1820	3897	207343
11:30:29	4989	5948	1.09	1849	3906	209944
11:31:09	5007	5966	1.09	1880	3913	212549
11:31:49	5017	5973	1.10	1910	3911	215157
11:32:29	5028	5982	1.10	1941	3903	217762
11:33:09	5029	6016	0.89	1971	3908	220363
11:33:49	5043	6024	0.82	1991	3928	222978
11:34:29	5039	6048	0.82	2014	3580	225466
11:35:09	5028	6061	0.82	2037	3618	227877
11:35:49	5004	6121	0.83	2060	3270	230095
11:36:29	4993	6125	0.83	2083	3210	232259
11:37:09	4986	6124	0.84	2107	3130	234367
11:37:49	4981	6112	0.84	2130	3162	236458
11:38:29	4978	6099	0.86	2154	3214	238586
11:39:09	4977	6096	0.85	2177	3234	240737
11:39:49	4973	6090	0.85	2201	3233	242892
11:40:29	4966	6080	0.86	2225	3237	245049
11:41:09	4963	6075	0.86	2249	3247	247211
11:41:49	4956	6066	0.86	2273	3251	249378
11:42:29	4951	6057	0.87	2298	3251	251543
11:43:09	4947	6051	0.87	2322	3243	253710
11:43:49	4947	6051	0.87	2346	3238	255871
11:44:29	4944	6047	0.88	2371	3246	258033
11:45:09	4941	6046	0.87	2395	3258	260199
11:45:49	4933	6044	0.88	2420	3270	262374
11:46:29	4928	6056	0.81	2445	3278	264557
11:47:09	4930	6105	0.18	2461	3282	266744
11:47:49	4925	6027	0.69	2473	3280	268931
11:48:29	4928	6000	0.90	2495	3263	271113
11:49:09	4859	5903	1.03	2523	3260	273288
11:49:49	4817	5853	1.09	2553	3262	275464
11:50:29	4823	5872	1.08	2583	3263	277638
11:51:09	4835	5893	1.10	2614	3268	279814
11:51:49	4827	5894	1.10	2645	3271	281992

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441.1
Job Type: FOAMED ACID

TIME	Tubing Pr (psi)	BHP(Calc) (psi)	Slurry Rt (bpm)	Slry Vol (gal)	N2 Rt/Std (ft3/min)	N2 Vol/Std (ft3)
11:52:29	4836	5910	1.11	2676	3284	284179

==== Stage Total 2676.15 (gal) ====

11:52:49 Stage #4 START N2 FLUSH

11:53:07	4802	5950	0.00	2691	3289	286264
11:53:47	4813	5984	0.00	2691	3280	288455
11:54:27	4821	5975	0.00	2691	3271	290639
11:55:07	4828	5963	0.00	2691	3281	292822
11:55:47	4835	5951	0.00	2691	3313	295019
11:56:27	4846	5942	0.00	2691	3356	297245
11:57:07	4856	5933	0.00	2691	3372	299488
11:57:47	4867	5927	0.00	2691	3383	301741
11:58:27	4878	5920	0.00	2691	3393	304000
11:59:07	4893	5918	0.00	2691	3402	306264
11:59:47	4909	5919	0.00	2691	3419	308539
12:00:27	4923	5922	0.00	2691	3424	310821
12:01:07	4936	5938	0.00	2691	3420	313102
12:01:47	4942	5944	0.00	2691	3401	315371
12:02:27	4948	5936	0.00	2691	3392	317635
12:03:07	4958	5931	0.00	2691	3385	319893
12:03:47	4970	5921	0.00	2691	3374	322146
12:04:27	4989	5920	0.00	2691	3382	324398
12:05:07	5014	5924	0.00	2691	3396	326658
12:05:47	5036	5924	0.00	2691	3416	328931
12:06:27	5063	5931	0.00	2691	3436	331215
12:07:07	5089	5942	0.00	2691	3337	333462
12:07:47	5097	5940	0.00	2691	2966	335475
12:08:27	5108	5932	0.00	2691	2953	337451
12:09:07	5120	5926	0.00	2691	2919	339409
12:09:47	5138	5942	0.00	2691	2885	341341
12:10:27	5156	5957	0.00	2691	2855	343254
12:11:07	5166	5966	0.00	2691	2827	345149

12:11:14 Event #3 Stop Pumping

12:11:45	5105	5985	0.00	2691	0	345596
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12:11:55 Event #4 ISIP Tubing Press 5091 (psi)

CUSTOMER: HARKEN ENERGY CORP.

DATE: 29-Sep-1994

WELL DESC: MONUMENT 8N #2

TICKET #: 699441

FORMATION: ISMAY

JOB TYPE: FOAMED ACID

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE WELL CONDITIONS AND OTHER INFORMATION WHICH MUST BE RELIED UPON, HALLIBURTON MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OF THE DATA OR OF ANY CALCULATIONS OR OPINIONS EXPRESSED HEREIN. YOU AGREE THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE ARISING OUT OF OR IN CONNECTION WITH SUCH DATA, CALCULATIONS OR OPINIONS.

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

CUSTOMER INFORMATION

Customer	HARKEN ENERGY CORP.	County	SAN JUAN
Contractor	NONE	Town	
Lease	MONUMENT	Section	
Location	FARMINGTON	Range	
Formation	ISMAY	Permit No	
Job Type	FOAMED ACID	Well No	8N #2
Country	USA	Field Name	
State	UTAH		

Customer Representative LARRY CHAMBERS
Halliburton Operator JOHN NEWTON

REMARKS ABOUT JOB

TEST LINES, PUMP N2 PAD, PUMP FOAMED ACID

FLUSH WITH N2

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

WELL CONFIGURATION INFORMATION

Packer Type PRODUCTION Depth 5890 ft
Bottom Hole Temp. 135.0 Deg F

PIPE CONFIGURATION

Wellbore Segment Number	Measured Depth (ft)	TVD (ft)	Casing ID (inch)	Casing OD (inch)	Tubing ID (inch)	Tubing OD (inch)
1	5890	5890	4.950	5.500	2.441	2.875
2	6016	6016	4.950	5.500	0.000	0.000

PERFORATIONS

Perforation Interval	Top (ft)	Bottom (ft)	Shots per (ft)
1	5928	5971	4

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

JOB SCHEDULE
STAGE DESCRIPTIONS

<u>Stage</u>	<u>Description</u>
1	TEST LINES
2	N2 PAD AHEAD
3	PUMP ACID W/N2
4	FLUSH W/N2
5	SHUT IN
6	-
7	-
8	-
9	-

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

JOB SCHEDULE
STAGE INFORMATION

	<u>1</u>
Planned Slurry Volume (gal)	0
Actual Slurry Volume (gal)	13
Base Fluid Density (lb/gal)	8.90
Proppant Size	
Proppant Type	
Proppant Volume Coef (gal/lb)	
Planned Fluid Rate (bpm)	0.00
Planned Prop Conc (lb/gal)	0.00
Planned Gas Rate (ft ³ /min)	4200
N Prime	1.0000
K Prime (#s ⁿ /ft ²)	0.000018

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

MISCELLANEOUS JOB PARAMETERS

Well Treated Down	Tubing
Static Column Available	No
Fluid Type	N2 Foam
Gel System	
Delayed Crosslinker Used	No
Surface Earth Temperature	65.0 (Deg F)
Average Wellhead Trmt Press	4000 (psi)
Surface Slurry Temperature	60.0 (Deg F)
Bottom Hole Treating Temp	135.0 (Deg F)
Initial Bottom Hole Pressure	2525 (psi)
Wellbore Fluid Density	8.33 (lb/gal)
Wellbore Fluid n'	1.0000
Wellbore Fluid K'	0.000010 (#s ⁿ /ft ²)
Volume Used for Stage Info	Slurry

Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

MATERIALS INVENTORY

Type	Name	Quantity	Concentration
Treatment Fluid	FE-HCL ACID	3500.00 gal	15.00 %
Surfactant	SS0-21	18.00 gal	5.00 gal/Mgal
Gelling Agent	SGA-HT	35.00 gal	10.00 gal/Mgal
Corrosion Inhibit	HAI-81	11.00 gal	3.00 gal/Mgal
IRON SEQUESTER	FE-1A	35.00 gal	10.00 gal/Mgal
IRON SEQUESTER	FE-2	175.00 lbs	50.00 lb/Mgal

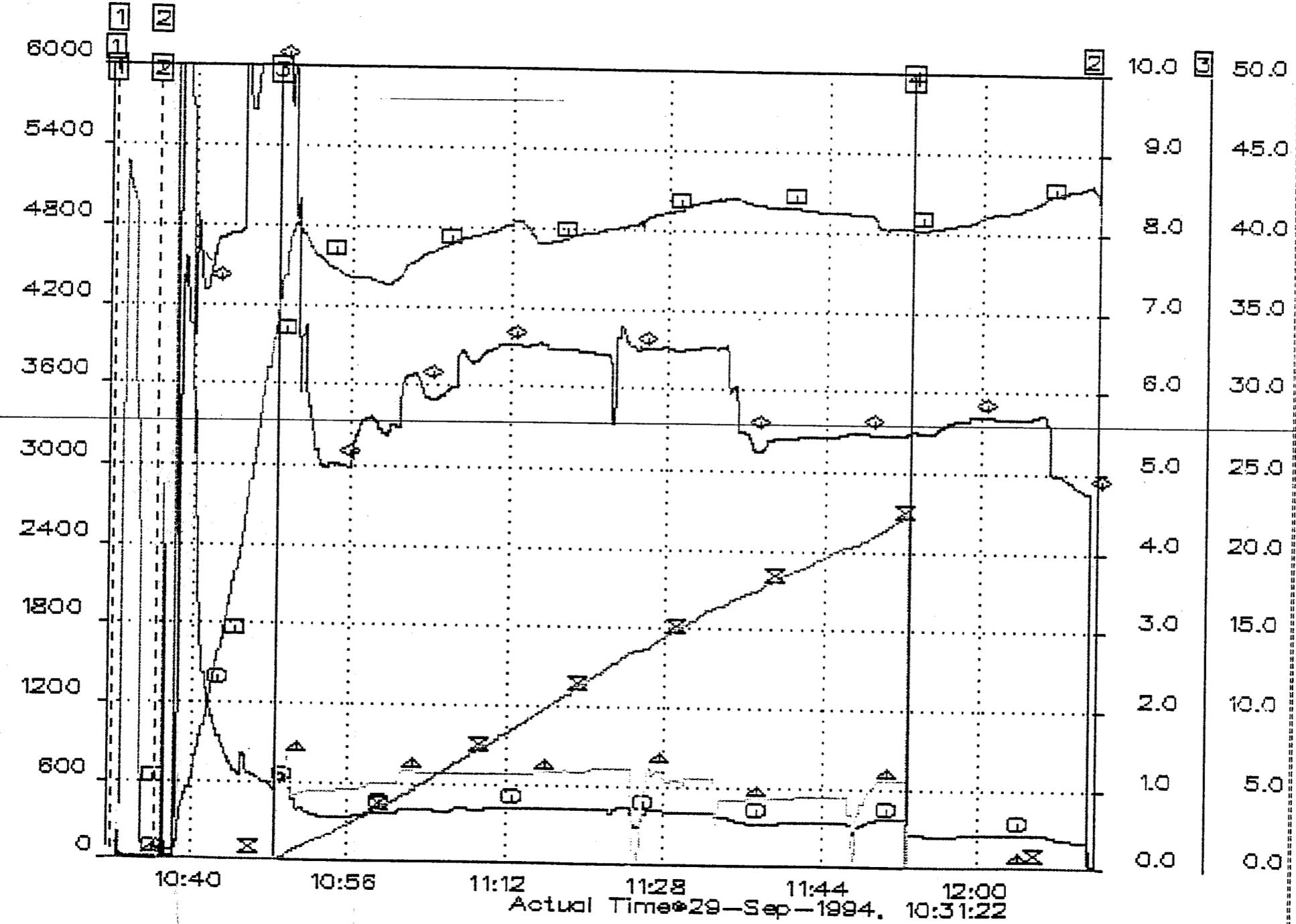
Customer: HARKEN ENERGY CORP.
Well Desc: MONUMENT 8N #2
Formation: ISMAY

Date: 29-Sep-1994
Ticket #: 699441
Job Type: FOAMED ACID

PROUDLY PERFORMED BY:

Employee	Emp. ID	Equipment	Equip. ID
John Newton	49724	Frac Van II	52243
Dan Yelinek	G8508	ACID V-12	76771
BILL RANDALL	G1795	N2 PUMPER	2143
JIM HAMNER	F4544	N2 TRANSPORT	8153
<i>SCOTT ETCITY</i>		<i>ACID TRANSPORT</i>	<i>6914</i>

<input type="checkbox"/> Tubing Press (psi)	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> Total Rate/Eh (bpm)	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> Slurry Rate (ccm)
<input checked="" type="checkbox"/> N2 Rate/Standard (ft3/r)	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> Stage Volume (gal)	<input checked="" type="checkbox"/> 1	



Ticket: 699441

ACQUIRE Version 1.62 29-Sep-1994

Halliburton Services

Customer: HARKEN ENERGY CORP. Lease: MONUMENT
 Formation: ISMAY Job Type: FOAMED ACID
 Contractor: NONE Customer Rep: LARRY CHAMBERS
 Location: FARMINGTON, SAN JUAN, UTAH, USA
 Well Number: BN #2
 Hallib. Oper: JOHN NEWTON

CASKA ENERGY COMPANY

COMPLETION/WORKOVER REPORT

DATE: 10-19-94	REPORT NO: 1	REPORT BY: CAC
WELL NAME: Monument 8N-2		
LOCATION: 8-T40J-R25E San Juan Co., UT		
CONTRACTOR: RAS Well Service		RIG NO: 8 ^{Non Peterson}

FROM	TO	DESCRIPTION OF OPERATIONS
10-18-94 8:30	5:30	Load rig from Farmington to location & RCU
10-19-94 7:00	7:30	Warm Rig up.
7:30	8:30	Break thg & ccy down
8:30		On seat packer, equalize. NWDOP, NWDOP Port up 182 jts 2 7/8 thg & packer 190 jts. on TTH of retrieving head, equalize RRP, TTH & WD.
2:30	4:00	Well kicked up 15 stands in date blow thg & BS to test tank. W/O pump truck.
4:00	4:30	Pump to 161A salt H ₂ O down thg. TTH & CO RRP. <small>LEASE Gravity flow 30 W while TTH.</small>
4:30		RTU of following BHA: 1-2 7/8 x 31.06 Bull Plug & mud anchor, 1-2 7/8 x 4.06 perf sub, A 8-2 7/8 x 31.25 jts, 1-2 7/8 x 5 1/2 TAC, ^{3.26} 193 jts - 2 7/8. EOT 17' off 187D @ 6174'. TO perf sub @ 6138', TO SNE 6137' TO TAC @ 5887'. Aug. jt length = 30.51'. NWDOP, ^{NWDOP} set TAC 14E
7:00		tension over string wght. Plumb in floor line. SDFN. Maintain States: \$ 385.- Hay Hot Oiler: \$ 400.- RAS Well Service: \$ 3241. (10-18 & 10-19) PU: 160-143-64

DAILY COMPLETION/WORKOVER COST		DAILY FLUID TRANSFER SUMMARY			
DAILY COST	AMOUNT	OIL, BBL	WATER, BBL	OTHER TYPE	BARRELS
DAILY COST	\$ 9026.	INTO WELL	50		
TOTAL COST	\$ 9026.	FROM WELL			
			REMAINING LOAD TO RECOVER, BBL		50 H ₂ O

** SEE COST SHEET FOR COMPLETE BREAKDOWN **

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
 SEP 07 1995
 OIL, GAS & MIN

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. _____
- 6. If Indian, Allottee or Tribe Name
NAVAJO
- 7. If Unit or CA, Agreement Designation _____
- 8. Well Name and No. _____
- 9. API Well No. 43037-31509
- 10. Field and Pool, or Exploratory Area
See Attached List
- 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, Texas 75261-2007 (214) 753-6900
- 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
See Attached List

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 type="checkbox"/> Other <u>Flaring during plant shut-down</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 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.)*

Pursuant to the attached notice from Elkhorn Operating, Harken Southwest request permission to vent/flare all non-lease use gas from September 18, 1995 thru September 22, 1995 or until the Aneth Plant resumes operation.

Attached is a list of wells which will be affected by the plant shut down. The list is compiled in API number order.

Should any questions arise, please contact Mr. Richard Cottle, Farmington, New Mexico @ (505) 327-5531 or the undersigned.

cc: Navajo Nation
State of Utah

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

Signed *Richard Cottle* Title Production Administrator Date Sept 6, 1995

(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.

HARKEN SOUTHWEST CORPORATION

Request permission to flare/vent gas production on the following wells during the shut-down of the Aneth Plant Monday, September 18 thru Friday, September 22, 1995.

<u>Well Name</u>	<u>Sec-Twnshp-Rng</u>	<u>API Number</u>
Navajo Tribal 23-13	13-40S-24E	43-037-30971
Navajo Tribal 41-2	02-42S-24E	43-037-31041
Sahgzie #1	05-42S-24E	43-037-31472
Anasazi #1	05-42S-24E	43-037-31478
Cajon Mesa 8D-1	08-40S-25E	43-037-31497
Monument 8N-2	08-40S-25E	43-037-31509
Runway 10G-1	10-40S-25E	43-037-31515
Monument 17E	17-40S-25E	43-037-31547
Runway 10E-2	10-40S-25E	43-037-31550
Blue Hogan 1J-1	01-42S-23E	43-037-31562
Anasazi 5L-3	05-42S-24E	43-037-31572
Brown Hogan 1A-2	01-42S-23E	43-037-31573
Runway 10C-5A	10-40S-25E	43-037-31597
North Heron 35C	35-41S-25E	43-037-31616
Burro 31-I	31-41S-24E	43-037-31708
Jack 31G	31-41S-24E	43-037-31709
Mule 31M	31-41S-24E	43-037-31710
Big Sky 6E (6L)	06-42S-25E	43-037-31714
Hillside 6C-1	06-42S-25E	43-037-31721



ELKHORN OPERATING COMPANY
ANETH PLANT
P.O. BOX 70
MONTEZUMA CREEK, UTAH 84534
Memorandum

To: See Distribution List
From: Gene Gruette
Date: August 18, 1995
Subject: ANETH PLANT SHUTDOWN

Aneth Plant will be shut down on September 18, 1995 to make necessary repairs to the cooling tower, inspect and clean gas coolers, and repair other equipment which requires a plant shutdown.

We plan to have the plant started back up the afternoon of Friday, September 22, 1995.

Each operator will need to make whatever contacts with regulatory agencies and gas marketers, etc. they deem necessary.

Should you have questions, call the writer at (801)631-3254.

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

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (972)753-6900

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

SE/SW Section 8-40S-25E
80' FSL & 1830' FWL

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

NMNM 85756

8. Well Name and No.

Monument 8N-2

9. API Well No.

43-037-31509

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan Co., UT

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

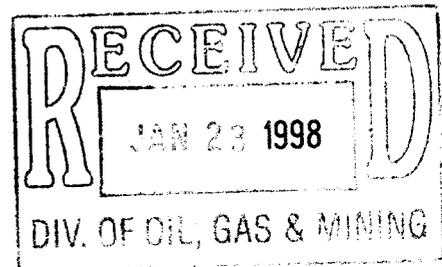
- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Updated site Security Diagram
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

Attached you will find the updated site security diagram, for the above referenced lease, as of January 1998.

CC: State of Utah
Navajo Nation
BIA



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

Signed

R. Montgomery

Title Production Administrator

Date 01/21/98

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

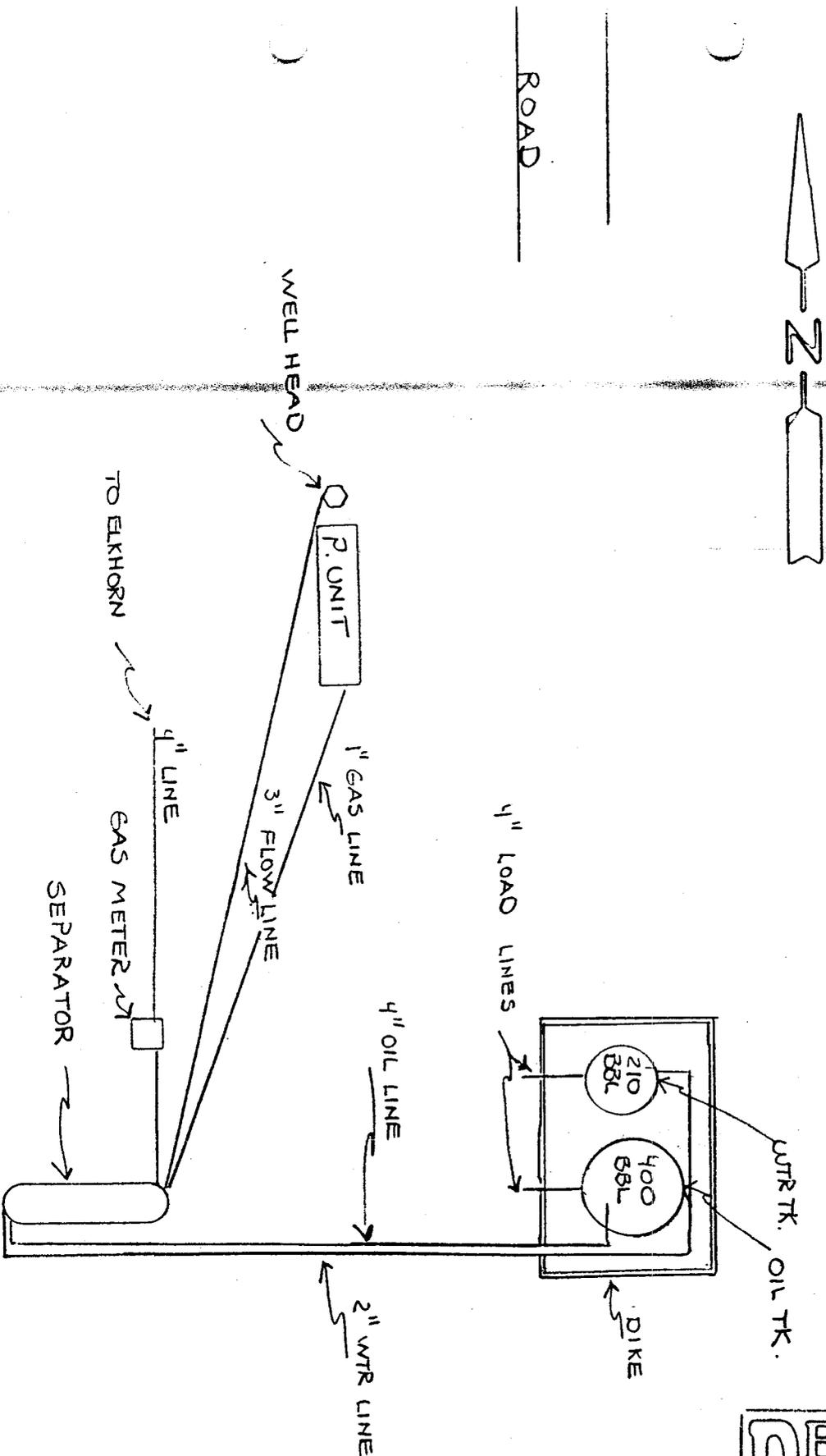
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

HARKEN SOUTHWEST CORP.
MONUMENT 8N-2 SITE SECURITY
SEC. 8 T40S R25E
SAN JUAN COUNTY, UTAH
NOG-NMNM85756

REV. 1/15/98

RECEIVED
JAN 23 1998
DIV. OF OIL, GAS & MINING



APM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-087-31509

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, Texas 75261-2007 (972) 753-6900

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

40, 41 & 42S - 23, 24 & 25S
Various Sections

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See attached

9. API Well No.

See attached

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan County, UT

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 Gas venting
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

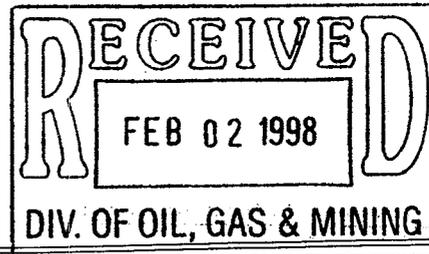
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Attached please find the summary sheet for the gas vented by Harken Southwest during December, 1997 and January, 1998 due to the explosion and subsequent problems at the Aneth Gas Plant.

If additional information is required, please contact the undersigned at (972) 753-6900.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM



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

Signed

Rachelle Montgomery

Title Production Administrator

Date 01/29/98

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

MARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 1 of 3

Anasazi #1 43-037-31478 SW/NW Sec 5-42S-24E	Anasazi 5L-3 43-037-31572 NW/SW Sec 5-42S-24E	Sahgzie 1 43-037-31472 SW/NW Sec 5-42S-24E	Anasazi 6H-1 43-037-31744 SE/NE Sec 6-42S-24E	Navajo Tribal 41-2 43-037-31041 NE/NE Sec 2-42S-24E	Navajo Tribal 23-13 43-037-30971 NE/SW Sec 13-40S-24E	Runway 10C-5A 43-037-31597 NE/NW Sec 10-40S-25E	Runway 10G-1 43-037-31515 SW/NE Sec 10-40S-25E
---	---	--	---	--	--	---	--

Vented Gas (MCF) December 1997

25-Dec	88	58	29	14		12	84	158
26-Dec	88	58	28	15		12	84	157
27-Dec	82	61	24	15		12	84	157
28-Dec	85	61	30	14		12	84	157
29-Dec	90	58	25	16	8	12	84	157
30-Dec	88	57	30	16		12	84	162
31-Dec	79	52	26	16		12	84	157
Dec Total	600	405	192	106	8	84	588	1105

Vented Gas (MCF) January 1998

1-Jan	79	57	29	16	7	12	84	162
2-Jan	89	57	30	15		12	84	162
3-Jan	87	52	30	16		12	84	162
4-Jan	86	50	29	16		12	84	162
5-Jan	107	47	29	16	7	12	84	162
6-Jan	76	75	28	21		10	84	162
7-Jan	84	72	29	22		11	84	157
8-Jan	79	75	30	22		9	84	157
9-Jan	77	70	29	21	11	12	84	147
10-Jan	0	0	0	0	0	2	0	136
11-Jan	0	0	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0	0	0
17-Jan	0	0	0	0	0	0	0	0
18-Jan	81	67	28	22	0	5	99	0
19-Jan	81	67	28	22	0	2	12	0
20-Jan	80	64	30	21	0			
Jan Total	1006	753	349	230	25	111	867	1569
Grand Total	1606	1158	541	336	33	195	1455	2674

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 2 of 3

Runway 10E-2 43-037-31550 SW/NW Sec 10-40S-25E	Momentum 8N-2 43-037-31509 SE/SW Sec 8-40S-25E	Momentum 17E-2 43-037-31547 SW/NW Sec 17-40S-25E	Cajon Mesa 8D-1 43-037-31497 NW/NW Sec 8-40S-25E	Blue Hogan 1J-1 43-037-31562 NW/SE Sec 1-42S-23E	Brown Hogan 1A-2 43-037-31573 NE/NE Sec 1-42S-23E
---	---	---	---	---	--

Vented Gas (MCF) December 1997

25-Dec	64	22		22	32	20
26-Dec	64	22	23	22	32	20
27-Dec	64	22		22	32	22
28-Dec	64	22		22	32	22
29-Dec	64	22	22	22	22	20
30-Dec	64	22		25	22	20
31-Dec	64	19		25	22	20
Dec Total	448	151	45	160	204	144

Vented Gas (MCF) January 1998

1-Jan	64	20	22	25	22	21
2-Jan	64	22		25	20	20
3-Jan	64	22		25	20	20
4-Jan	64	22		25	22	20
5-Jan	64	21	15	25	22	20
6-Jan	64	21		25	22	22
7-Jan	64	21		25	22	22
8-Jan	64	21		25	22	22
9-Jan	64	22	22	25	22	22
10-Jan	8	0	0	22	40	4
11-Jan	0	0	0	0	0	0
12-Jan	0	0	0	0	0	0
13-Jan	0	0	0	0	0	0
14-Jan	0	0	0	0	0	0
15-Jan	0	0	0	0	0	0
16-Jan	0	0	0	0	0	0
17-Jan	0	0	0	0	44	21
18-Jan	0	0	0	0	44	21
19-Jan	69	23	14	21	10	23
20-Jan	13	4		5		
Jan Total	666	219	73	273	332	256
Grand Total	1114	370	118	433	536	400

HARKEN SOUTHWEST CORPORATION
Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98)

Page 3 of 3

	Mule 31M 43-037-31710 SW/SW Sec31-41-24E	Big Sky 6E(6L) 43-037-31714 NW/SW Sec 6-42S-25E	Mule 31-K(N) 43-037-31617 NE/SW Sec 31-41S-24E	DAILY TOTALS
Vented Gas (MCF) December 1997				
25-Dec	25	62	25	715
26-Dec	25	94		744
27-Dec	20	94	21	730
28-Dec	19	90	21	735
29-Dec	28	62	29	753
30-Dec	22	62		686
31-Dec	23	62		661
Dec Total	162	526	96	5024
Vented Gas (MCF) January 1998				
1-Jan	22	62		704
2-Jan	23	63		686
3-Jan	23	63		680
4-Jan	23	63		678
5-Jan	23	63		717
6-Jan	22	63		693
7-Jan	23	63	21	720
8-Jan	23	63	21	717
9-Jan	23	64	21	736
10-Jan	0	64	0	276
11-Jan	0	0	0	0
12-Jan	0	0	0	0
13-Jan	0	0	0	0
14-Jan	0	0	0	0
15-Jan	0	0	0	0
16-Jan	0	0	0	0
17-Jan	0	0	0	0
18-Jan	23	73	0	359
19-Jan	25	73	21	613
20-Jan	23	2	23	312
Jan Total	276	779	107	7891
Grand Total	438	1305	203	12915

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

NMNM85756

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Monument 8N-2

9. API Well No.

43-037-31509

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan Co., UT

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 (972) 753-6900

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

SE/SW Sec. 8-40S-25E
1720' FNL & 900' FWL

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

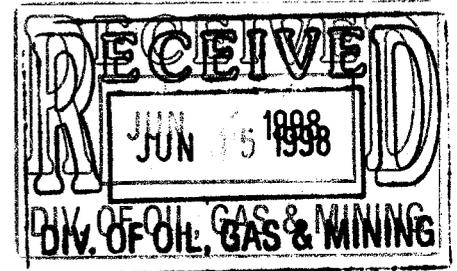
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Gas Venting
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

Due to gas gathering line repairs the following was vented to tanks:

6/09/98: 31 MCF
6/10/98: 31 MCF



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

Signed

[Signature]

Title Production Administrator

Date 6/12/98

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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 statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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
~~RTM~~ 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			DSCR	P	OW	28	1,071	551	2,296
4303730971	09420	40S 24E 13							
NAVAJO TRIBAL 41-2			DSCR	P	OW	19	174	23	0
4303731041	09437	42S 24E 02							
NAVAJO TRIBAL 32-26			DSCR	P	OW	8	104	291	0
4303731060	09990	40S 22E 26							
NAVAJO TRIBAL 14-10			DSCR	P	OW	28	93	0	0
4303730977	10130	40S 24E 05							
SAHGZIE 1			DSCR	P	OW	28	1,025	476	0
4303731472	11032	42S 24E 05							
ANASAZI 1			DSCR	P	OW	28	1,308	1,349	0
4303731478	11042	42S 24E 05							
CAJON MESA 8D-1			DSCR	P	OW	27	245	355	61
4303731497	11074	40S 25E 08							
MONUMENT 8N-2			DSCR	P	OW	28	239	496	0
4303731509	11087	40S 25E 08							
RUNWAY 10G-1			DSCR	S	OW	28	1,412	1,613	432
4303731515	11105	40S 25E 10							
RUNWAY 10E-2			DSCR	S	GW	27	279	917	0
4303731550	11128	40S 25E 10							
MONUMENT 17E-2			DSCR	S	OW	26	157	548	0
4303731547	11139	40S 25E 17							
LONE MOUNTAIN CREEK 12F-1			DSCR	P	OW	22	149	533	12
4303731545	11148	42S 24E 12							
RUNWAY 10C-5A			DSCR	P	OW	24	221	899	40
4303731597	11152	40S 25E 10							
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

RECEIVED

Telephone Number

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: SEE ATTACHED
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
7. UNIT or CA AGREEMENT NAME: SEE ATTACHED
8. WELL NAME and NUMBER: SEE ATTACHED
9. API NUMBER: SEE ATTACH
10. FIELD AND POOL, OR WILDCAT: Greater Aneth

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 GAS WELL OTHER SEE ATTACHED

2. NAME OF OPERATOR:
RIM Southwest Corporation

3. ADDRESS OF OPERATOR: P.O. Box 145 CITY **Farmington** STATE **NM** ZIP **87499** PHONE NUMBER: **(505) 327-5531**

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **SEE ATTACHED** COUNTY: **San Juan**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 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"/> 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 27 2001
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) W. J. Holcomb TITLE Vice-President

SIGNATURE *W. J. Holcomb* DATE 4/23/2001

(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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**San Juan County
Utah**

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Box 145, Farmington, NM 87499 (505)327-5531

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

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 Vent/Flare 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.)*

Please be advised that RIM Southwest Corporation is requesting approval to vent gas until September 14, 2001. After September 14, we request permission to flare the gas until the Aneth Plant is back on line.

Attachment

cc: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/17/01

By: [Signature]

Ext. Oct 15, 2001

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 9-19-01
Initials: CHD

RECEIVED

SEP 18 2001

DIVISION OF
OIL, GAS AND MINING

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

Signed [Signature]

Title W. J. Holcomb, Vice President Date 8/29/01

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	
1420603373	Big Sky 6E (6L)	06-42S-25E	19	- 43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	- 43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	- 43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	- 43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	- 43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	- 43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	- 43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	- 43-037-31472
	Anasazi #1	05-42S-24E	67	- 43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	- 43-037-31515
	Runway 10C-5A	10-40S-25E	SI	- 43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	- 43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	- 43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	- 43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	- 43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	- 43-037-31708
	Jack 31G	31-41S-24E	SI	- 43-037-31709
	Mule 31K (N)	31-41S-24E	7	- 43-037-31617
	Mule 31M	31-41S-24E	24	- 43-037-31710
		TOTAL AVERAGE	254	



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC80013
 CUST. NO. 33500- 10095

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MULE 31M	PRESSURE	25 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E412018	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.332	0.0000	0.00	0.0129
CO2	0.112	0.0000	0.00	0.0017
METHANE	57.114	0.0000	578.17	0.3164
ETHANE	19.739	5.2802	350.11	0.2049
PROPANE	11.863	3.2694	299.17	0.1806
I-BUTANE	1.498	0.4900	48.83	0.0301
N-BUTANE	4.080	1.2864	133.41	0.0819
I-PENTANE	1.011	0.3699	40.54	0.0252
N-PENTANE	1.215	0.4401	48.82	0.0303
HEXANE PLUS	2.036	0.8883	104.67	0.0655
TOTAL	100.000	12.0243	1,603.72	0.9494

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,614.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,586.4
REAL SPECIFIC GRAVITY		0.9559

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,605.7
DRY BTU @ 14.696	1,610.7
DRY BTU @ 14.730	1,614.5
DRY BTU @ 15.025	1,646.8

CYLINDER #	SJ99
CYLINDER PRESSURE	10 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC80012
 CUST. NO. 33500- 10015

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MULE 31K	PRESSURE	24 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	84 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION	DESERT CREEK	SAMPLED BY	FGM
CUST.STN.NO.	202E340052	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.925	0.0000	0.00	0.0186
CO2	0.133	0.0000	0.00	0.0020
METHANE	63.617	0.0000	643.99	0.3524
ETHANE	16.771	4.4862	297.47	0.1741
PROPANE	9.543	2.6301	240.66	0.1453
I-BUTANE	1.205	0.3942	39.28	0.0242
N-BUTANE	3.315	1.0452	108.39	0.0665
I-PENTANE	0.794	0.2905	31.84	0.0198
N-PENTANE	0.944	0.3419	37.93	0.0235
HEXANE PLUS	1.753	0.7648	90.12	0.0564
TOTAL	100.000	9.9529	1,489.68	0.8829

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0056
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,498.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,472.0
 REAL SPECIFIC GRAVITY 0.8877

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,489.9
 DRY BTU @ 14.696 1,494.6
 DRY BTU @ 14.730 1,498.0
 DRY BTU @ 15.025 1,528.0

CYLINDER # 048A
 CYLINDER PRESSURE 24 PSIG
 DATE RUN 7/1/98
 ANALYSIS RUN BY CHELLE DURBIN



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC80009
 CUST. NO. 33500- 10080

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	JACK 31G	PRESSURE	28 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E410005	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.975	0.0000	0.00	0.0191
CO2	0.062	0.0000	0.00	0.0009
METHANE	70.488	0.0000	713.55	0.3904
ETHANE	13.388	3.5813	237.46	0.1390
PROPANE	7.057	1.9449	177.97	0.1075
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.613	0.8239	85.44	0.0524
I-PENTANE	0.750	0.2744	30.08	0.0187
N-PENTANE	0.920	0.3332	36.97	0.0229
HEXANE PLUS	1.735	0.7570	89.20	0.0558
TOTAL	100.000	8.0458	1,403.66	0.8271

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0049
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,410.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,386.0
REAL SPECIFIC GRAVITY		0.8311

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,402.9
DRY BTU @ 14.696	1,407.3
DRY BTU @ 14.730	1,410.5
DRY BTU @ 15.025	1,438.8

CYLINDER #	004
CYLINDER PRESSURE	12 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00018
 CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	BIG SKY 6E	PRESSURE	17 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	21 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/23/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E430640	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0048
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,415.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,390.8
 REAL SPECIFIC GRAVITY 0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,407.7
 DRY BTU @ 14.696 1,412.2
 DRY BTU @ 14.730 1,415.4
 DRY BTU @ 15.025 1,443.8

CYLINDER # 007
 CYLINDER PRESSURE 17 PSIG
 DATE RUN 12/28/00
 ANALYSIS RUN BY GINA HANON

CQM, INC. ON-SITE GAS ANALYSIS UNIT 2
 1427 W. AZTEC BLVD. #3
 AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:48:14
 Station #: 78-153 Sample Date: 06/13/2001
 Station Name: BLUE/BROWN HOGAN Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET
 File: c:\mti\ezchrom\200\chrom\78_15306.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	3.577	0.000	0.035	
Methane	55.640	563.264	0.308	
CO2	0.033	0.000	0.001	
Ethane	17.739	314.636	0.184	4.744
H2S (APPROX)	0.000	0.000	0.000	
Propane	11.983	302.202	0.182	3.302
i-Butane	1.627	53.031	0.033	0.532
n-Butane	4.370	142.892	0.088	1.378
i-Pentane	1.194	47.881	0.030	0.437
n-Pentane	1.465	58.866	0.036	0.531
Hexanes	1.955	93.193	0.058	0.804
Heptanes	0.373	20.572	0.013	0.172
Octanes	0.044	2.756	0.002	0.023
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1599.293 0.969 11.922
 Unnormalized Total 111.244

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1610.156

Sat. = 1583.743

Actual = 1610.156

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.302

Butane GPM = 1.910

Gasoline GPM = 1.966

26# Gasoline GPM = 3.344

Total GPM = 11.922

Real Relative Density Calculated = 0.9755

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9933



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00010
 CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 17-E-2	PRESSURE	20 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	47 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311659	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 ** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0054
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,479.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,453.8
 REAL SPECIFIC GRAVITY 0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,471.5	CYLINDER #	005
DRY BTU @ 14.696	1,476.1	CYLINDER PRESSURE	22 PSIG
DRY BTU @ 14.730	1,479.5	DATE RUN	12/22/00
DRY BTU @ 15.025	1,509.2	ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00014
 CUST. NO. 33500- 10120

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10E2	PRESSURE	21 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	60 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311617	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.534	0.0000	0.00	0.0052
CO2	0.053	0.0000	0.00	0.0008
METHANE	50.326	0.0000	509.45	0.2788
ETHANE	23.092	6.1771	409.58	0.2397
PROPANE	14.269	3.9325	359.85	0.2173
I-BUTANE	1.588	0.5194	51.76	0.0319
N-BUTANE	4.428	1.3961	144.79	0.0889
I-PENTANE	0.988	0.3615	39.62	0.0246
N-PENTANE	1.348	0.4882	54.17	0.0336
HEXANE PLUS	3.374	1.4721	173.46	0.1086
TOTAL	100.000	14.3471	1,742.68	1.0292

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0082
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,758.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,728.2
 REAL SPECIFIC GRAVITY 1.0390

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,749.3
 DRY BTU @ 14.696 1,754.8
 DRY BTU @ 14.730 1,758.8
 DRY BTU @ 15.025 1,794.1

CYLINDER # AZT035
 CYLINDER PRESSURE 26 PSIG
 DATE RUN 12/22/00
 ANALYSIS RUN BY AMY JUSTICE



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00013
 CUST. NO. 33500- 10115

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10C 5-A	PRESSURE	9 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	69 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E308719	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.794	0.0000	0.00	0.0077
CO2	0.109	0.0000	0.00	0.0017
METHANE	56.637	0.0000	573.34	0.3137
ETHANE	18.737	5.0121	332.34	0.1945
PROPANE	11.185	3.0826	282.07	0.1703
I-BUTANE	1.296	0.4239	42.24	0.0260
N-BUTANE	3.814	1.2026	124.71	0.0765
I-PENTANE	1.035	0.3787	41.51	0.0258
N-PENTANE	1.558	0.5643	62.60	0.0388
HEXANE PLUS	4.835	2.1095	248.57	0.1556
TOTAL	100.000	12.7737	1,707.38	1.0106

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0080
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,723.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,693.7
 REAL SPECIFIC GRAVITY 1.0203

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,714.3
 DRY BTU @ 14.696 1,719.7
 DRY BTU @ 14.730 1,723.7
 DRY BTU @ 15.025 1,758.2

CYLINDER # A002
 CYLINDER PRESSURE 14 PSIG
 DATE RUN 12/22/00
 ANALYSIS RUN BY AMY JUSTICE

COM, INC.
1427 W. AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:58:11
Station #: 78-138 Sample Date: 06/13/2001
Station Name: RUNWAY 10-G-1 Flowing Pressure: 0 psig
Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met
File: c:\mti\ezchrom\200\chrom\78_13806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.082	0.000	0.010	
Methane	59.728	604.648	0.331	
CO2	0.074	0.000	0.001	
Ethane	18.511	328.328	0.192	4.951
H2S (approx)	0.000	0.000	0.000	
Propane	12.402	312.769	0.189	3.417
i-Butane	1.191	38.820	0.024	0.390
n-Butane	3.539	115.720	0.071	1.116
i-Pentane	0.926	37.134	0.023	0.335
n-Pentane	1.239	49.785	0.031	0.453
Hexanes	0.834	39.756	0.025	0.343
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.050	3.132	0.002	0.026

Ideal Total 100.000 1553.477 0.914 11.227
Unnormalized Total 92.627

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1563.024

Sat. = 1537.392

Actual = 1563.024

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.417

Butane GPM = 1.505

Gasoline GPM = 1.353

26# Gasoline GPM = 2.469

Total GPM = 11.227

Real Relative Density Calculated = 0.9190

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939

CQM, INC. ON-SITE GAS ANALYSIS
 1427 W. AZTEC BLVD. #3
 AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:53:04
 Station #: 78-148 Sample Date: 06/13/2001
 Station Name: SAGEEZIE/ANASAZI Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET
 File: c:\mti\ezchrom\200\chrom\78_14806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.664	0.000	0.006	
Methane	44.440	449.882	0.246	
CO2	0.068	0.000	0.001	
Ethane	23.771	421.625	0.247	6.358
H2S (APPROX)	0.000	0.000	0.000	
Propane	17.469	440.554	0.266	4.814
i-Butane	2.367	77.151	0.048	0.774
n-Butane	5.635	184.256	0.113	1.777
i-Pentane	1.485	59.551	0.037	0.543
n-Pentane	1.729	69.474	0.043	0.626
Hexanes	1.947	92.812	0.058	0.801
Heptanes	0.378	20.848	0.013	0.174
Octanes	0.047	2.944	0.002	0.024
Nonanes	0.000	0.000	0.000	

Ideal Total	100.000	1819.096	1.080	15.891
Unnormalized Total	113.650			

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1835.446
 Sat. = 1805.263

Actual = 1835.446

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 4.814

Butane GPM = 2.551

Gasoline GPM = 2.169

26# Gasoline GPM = 3.945

Total GPM = 15.891

Real Relative Density Calculated = 1.0892

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9911



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00012
 CUST. NO. 33500- 10105

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	NAVAJO TRIBAL 32-26	PRESSURE	17 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	30 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202A-52531	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.934	0.0000	0.00	0.0090
CO2	0.050	0.0000	0.00	0.0008
METHANE	71.878	0.0000	727.62	0.3981
ETHANE	15.057	4.0277	267.07	0.1563
PROPANE	6.531	1.7999	164.71	0.0994
I-BUTANE	0.770	0.2519	25.10	0.0155
N-BUTANE	1.958	0.6174	64.02	0.0393
I-PENTANE	0.510	0.1866	20.45	0.0127
N-PENTANE	0.663	0.2401	26.64	0.0165
HEXANE PLUS	1.649	0.7195	84.78	0.0531
TOTAL	100.000	7.8431	1,380.39	0.8007

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0046
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,387.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,363.5
 REAL SPECIFIC GRAVITY 0.8049

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,380.1
 DRY BTU @ 14.696 1,384.4
 DRY BTU @ 14.730 1,387.6
 DRY BTU @ 15.025 1,415.4

CYLINDER # KFL148
 CYLINDER PRESSURE 23 PSIG
 DATE RUN 12/22/00
 ANALYSIS RUN BY AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS UNIT 2
 1427 W. AZTEC BLVD. #3
 AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:59:32
 Station #: 78-145 Sample Date: 06/13/2001
 Station Name: NT41-2 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET
 File: c:\mti\ezchrom\200\chrom\78_14506.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.152	0.000	0.011	
Methane	56.788	574.886	0.315	
CO2	0.085	0.000	0.001	
Ethane	19.719	349.755	0.205	5.274
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.656	319.174	0.193	3.487
i-Butane	1.519	49.511	0.030	0.497
n-Butane	4.167	136.255	0.084	1.314
i-Pentane	1.029	41.265	0.026	0.377
n-Pentane	1.297	52.116	0.032	0.470
Hexanes	1.366	65.116	0.041	0.562
Heptanes	0.196	10.810	0.007	0.090
Octanes	0.026	1.628	0.001	0.013
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1600.514 0.945 12.084
 Unnormalized Total 110.907

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1611.115

Sat. = 1584.681

Actual = 1611.115

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.487

Butane GPM = 1.811

Gasoline GPM = 1.512

26# Gasoline GPM = 2.826

Total GPM = 12.084

Real Relative Density Calculated = 0.9508

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9934

COM, II ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:32:41
 Station #: 78-146 Sample Date: 06/14/2001
 Station Name: NT #23-13 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET

File: c:\mti\ezchrom\200\chrom\78_14606.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.159	0.000	0.011	
Methane	56.655	573.539	0.314	
CO2	0.136	0.000	0.002	
Ethane	19.548	346.722	0.203	5.228
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.674	319.628	0.193	3.492
i-Butane	1.537	50.097	0.031	0.503
n-Butane	4.064	132.887	0.082	1.281
i-Pentane	0.965	38.698	0.024	0.353
n-Pentane	1.172	47.093	0.029	0.424
Hexanes	1.532	73.029	0.046	0.630
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.134	8.393	0.005	0.069
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1613.471 0.954 12.177
 Unnormalized Total 107.575

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1624.438

Sat. = 1597.782

Actual = 1624.438

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.492

Butane GPM = 1.784

Gasoline GPM = 1.672

26# Gasoline GPM = 2.953

Total GPM = 12.177

Real Relative Density Calculated = 0.9603

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9932



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00009
 CUST. NO. 33500- 10085

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 8N2	PRESSURE	12 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	55 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311589	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.139	0.0000	0.00	0.0110
CO2	0.064	0.0000	0.00	0.0010
METHANE	60.307	0.0000	610.49	0.3341
ETHANE	15.875	4.2466	281.57	0.1648
PROPANE	11.057	3.0473	278.85	0.1684
I-BUTANE	1.628	0.5325	53.06	0.0327
N-BUTANE	5.194	1.6377	169.83	0.1042
I-PENTANE	1.202	0.4398	48.20	0.0299
N-PENTANE	1.620	0.5868	65.09	0.0404
HEXANE PLUS	1.914	0.8351	98.40	0.0616
TOTAL	100.000	11.3257	1,605.49	0.9480

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0067
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,617.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,589.2
 REAL SPECIFIC GRAVITY 0.9551

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,608.5
 DRY BTU @ 14.696 1,613.6
 DRY BTU @ 14.730 1,617.3
 DRY BTU @ 15.025 1,649.7

CYLINDER # 050
 CYLINDER PRESSURE 15 PSIG
 DATE RUN 12/22/00
 ANALYSIS RUN BY AMY JUSTICE



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00010
 CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MONUMENT 17-E-2	PRESSURE	20 PSIG
COUNTY/STATE	SAN JUAN UT	SAMPLE TEMP	47 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311659	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 ** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0054
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,479.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,453.8
 REAL SPECIFIC GRAVITY 0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,471.5	CYLINDER #	005
DRY BTU @ 14.696	1,476.1	CYLINDER PRESSURE	22 PSIG
DRY BTU @ 14.730	1,479.5	DATE RUN	12/22/00
DRY BTU @ 15.025	1,509.2	ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00008
 CUST. NO. 33500- 10000

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	CAJON 8D1	PRESSURE	12 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	42 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION	ISMAY	SAMPLED BY	FGM
CUST.STN.NO.	202E311625	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.802	0.0000	0.00	0.0078
CO2	0.070	0.0000	0.00	0.0011
METHANE	58.781	0.0000	595.04	0.3256
ETHANE	18.008	4.8171	319.41	0.1870
PROPANE	12.630	3.4808	318.52	0.1923
I-BUTANE	1.567	0.5126	51.07	0.0314
N-BUTANE	4.747	1.4967	155.22	0.0953
I-PENTANE	0.925	0.3385	37.09	0.0230
N-PENTANE	1.207	0.4372	48.50	0.0301
HEXANE PLUS	1.263	0.5510	64.93	0.0406
TOTAL	100.000	11.6339	1,589.78	0.9341

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0065
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,600.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,573.0
REAL SPECIFIC GRAVITY		0.9408

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,592.1
DRY BTU @ 14.696	1,597.1
DRY BTU @ 14.730	1,600.8
DRY BTU @ 15.025	1,632.9

CYLINDER #	AZT047
CYLINDER PRESSURE	15 PSIG
DATE RUN	12/26/00
ANALYSIS RUN BY	AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:36:40
 Station #: 78-144 Sample Date: 06/14/2001
 Station Name: MON/CAJON MESA Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET

File: c:\mti\ezchrom\200\chrom\78_14406.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.989	0.000	0.010	
Methane	63.867	646.549	0.354	
CO2	0.044	0.000	0.001	
Ethane	15.724	278.896	0.163	4.205
H2S (APPROX)	0.000	0.000	0.000	
Propane	9.810	247.400	0.149	2.703
i-Butane	1.181	38.494	0.024	0.386
n-Butane	3.638	118.957	0.073	1.147
i-Pentane	0.900	36.091	0.022	0.329
n-Pentane	1.247	50.107	0.031	0.452
Hexanes	1.943	92.621	0.058	0.799
Heptanes	0.514	28.348	0.018	0.237
Octanes	0.143	8.957	0.006	0.073
Nonanes	0.000	0.000	0.000	

Ideal Total	100.000	1546.420	0.908	10.332
Unnormalized Total	108.337			

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1555.948

Sat. = 1530.436

Actual = 1555.948

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 2.703

Butane GPM = 1.533

Gasoline GPM = 1.890

26# Gasoline GPM = 3.037

Total GPM = 10.332

Real Relative Density Calculated = 0.9133

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939



2030 AFTON PLACE
 FARMINGTON, N.M. 87401
 (505) 325-6622

ANALYSIS NO. HSC00018
 CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	BIG SKY 6E	PRESSURE	17 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	21 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/23/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E430640	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 ** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0048
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,415.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,390.8
 REAL SPECIFIC GRAVITY 0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,407.7	CYLINDER #	007
DRY BTU @ 14.696	1,412.2	CYLINDER PRESSURE	17 PSIG
DRY BTU @ 14.730	1,415.4	DATE RUN	12/28/00
DRY BTU @ 15.025	1,443.8	ANALYSIS RUN BY	GINA HANON

CQM, INC.
1427 W. AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:14:41
Station #: 78-132 Sample Date: 06/13/2001
Station Name: HILLSIDE 6-C *Big Sky* Flowing Pressure: 0 psig
Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met
File: c:\mti\ezchrom\200\chrom\78_13206.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.876	0.000	0.018	
Methane	65.826	666.381	0.365	
CO2	0.039	0.000	0.001	
Ethane	16.765	297.360	0.174	4.484
H2S (approx)	0.000	0.000	0.000	
Propane	9.827	247.829	0.150	2.708
i-Butane	0.865	28.194	0.017	0.283
n-Butane	2.514	82.204	0.050	0.793
i-Pentane	0.633	25.384	0.016	0.229
n-Pentane	0.787	31.623	0.020	0.288
Hexanes	0.689	32.844	0.021	0.283
Heptanes	0.166	9.155	0.006	0.077
Octanes	0.013	0.814	0.001	0.007

Ideal Total 100.000 1421.788 0.837 9.151
Unnormalized Total 94.894

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)

Dry = 1428.837

Sat. = 1405.444

Actual = 1428.837

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 2.708

Butane GPM = 1.076

Gasoline GPM = 0.884

26# Gasoline GPM = 1.676

Total GPM = 9.151

Real Relative Density Calculated = 0.8408

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9951

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

Suspense

Other

(Loc.) Sec _____ Twp _____ Rng _____

(Return Date) _____

(API No.) _____

(To-Initials) _____

1. Date of Phone Call: 9/12/01 Time: 9:50

2. DOGM Employee (name) DUSTIN DOUCET (Initiated Call)

Talked to:

Name Wayne Townsend (Initiated Call) - Phone No. (505) 599 6359
of (Company/Organization) BLM

3. Topic of Conversation: Gas Flaring in Aneth area - bad western
Gas Resources Pipeline

4. Highlights of Conversation: Wayne has had several meetings with
Navajo Nation, Navajo EPA, Navajo minerals, Navajo Health and Human Services,
the Department of Justice, US EPA, Texaco, Exxon-Mobil, western Gas & the
Red Mesa & Aneth chapters. 12.5 miles of pipeline (downstream from
Aneth Plant) no good. Options: a) rebuild 12.5 miles of pipeline - Row expires
2005 western's renegotiation with Navajo to extend Row was denied [main choice], 1 month
to rebuild once OK given from Navajo etc. b) Use 20" Questar oil pipeline [1950's - no go]
c) Use 6" Coroco Line - convert fogas and truck liquids from plant - talks broke down 9/10/01.
Everyone in agreement to keep wells producing - some verbal complaints from public, nothing
in writing yet. Red Mesa & Aneth chapters wanted full shut-in. Current plan: EPA sending
letter today to flare gas thru plant (gas will be metered). The gas will be counted as
cost gas - no royalty due - because out of control of companies (producers). H2S and other
safety monitors will be set up around plant and monitor health risks, etc - BLM
has approved all flaring until Oct. 15, 2001 associated w/ this matter. Probably
won't be back into operation before then though.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RIM SOUTHWEST CORPORATION

3a. Address **87499**
P.O. Box 145, Farmington, NM

3b. Phone No. (include area code)
(505) 327-5531

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

5. Lease Serial No.
See Attached

6. If Indian, Allottee or Tribe Name
Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan county
Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Vent/Flare</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Gas</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that RIM Southwest Corporation is requesting additional approval to continue to vent/flare gas from the attached wells until December 1, 2001 or until the Aneth plant is put back on line, whichever occurs first. Please reference our previous sundry notice dated 8/29/01 which gave approval for this action through October 15, 2001.

Attachment
Accepted by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR
 Date: 11/19/01
 Initials: CHD

Date: 11/19/01
 By: [Signature]
By 2 Dec 1, 2001

Federal Approval of This
 Action Is Necessary

cc: State of Utah
 Navajo Nation-Minerals
 Navajo Nation EPA-Air
 Quality
 BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)

W. J. Holcomb

Title **Vice President**

Signature

[Signature]

Date **11/01/01**

RECEIVED

NOV 09 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DIVISION OF
OIL GAS AND MINING

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAGE	254	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FILE

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RIM SOUTHWEST CORPORATION

3a. Address **87499**
P.O. Box 145, Farmington, NM

3b. Phone No. (include area code)
(505) 327-5531

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

5. Lease Serial No.
See Attached

6. If Indian, Allottee or Tribe Name
Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
**San Juan County
Utah**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Flare Gas
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that as of approximately 3:00 p.m. Thursday, November 15, 2001 the attached wells were put back on line for gas sales through the Aneth pipeline/plant.

**CC: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM**

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

Name (Printed/Typed) **W. J. Holcomb** Title **Vice President**

Signature *[Handwritten Signature]* Date **11/19/01**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by _____ Title _____ Date **NOV 23 2001**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **DIVISION OF OIL, GAS AND MINING**

RIM SOUTHWEST CORPORATION

LEASE NUMBER	WELL NAME	SEC-TWN-RNG	ESTIMATED GAS	
			VENTED	MCF/DAY
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1182	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
TOTAL AVERAGE:			254	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 02 2008

FORM APPROVED
OMB No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NOG-8702-1116
2. Name of Operator RIM Southwest Corporation		6. If Indian, Allottee, or Tribe Name The Navajo Nation
3a. Address 5 Inverness Drive East, Englewood CO 80112	3b. Phone No. (include area code) 303-799-9828	7. If Unit or CA. Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE SW sec 8 T 40S R 25E		8. Well Name and No. Monument 8N-2
		9. API Well No. 43-037-31509
		10. Field and Pool, or Exploratory Area Greater Aneth
		11. County or Parish, State San Juan Co., Utah

NOG-8702-1116
20-5247

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Return to production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, August 29, 2008.

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

Name (Printed/ Typed) Kenneth J Kundrik	Title Operations Engineer
Signature <i>Kenneth Kundrik</i>	Date 9/2/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE ACCEPTED FOR RECORD

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	SEP 09 2008
		FARMINGTON FIELD OFFICE

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FARMINGTON
Utah-OCB

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Bureau of Land Management
Farmington Field Office

5. Lease Serial No.
NOG 8702-1116
Allottee, or Tribe Name
The Navajo Nation

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 RIM Southwest Corp.

3a. Address
 5 Inverness Drive East, Englewood CO 80112

3b. Phone No. (include area code)
 303-799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SE SW Sec 8 T 40S R 25E

7. If Unit or CA. Agreement Designation

8. Well Name and No.
 Monument 8N-2

9. API Well No.
 43-037-31509

10. Field and Pool, or Exploratory Area
 Greater Aneth

11. County or Parish, State
 San Juan Co., Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Returned to sales
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, February 27, 2009.

RECEIVED

MAR 12 2009

DIV. OF OIL, GAS & MINING

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

Name (Printed/ Typed)

Kenneth J Kundrik

Title

Operations Engineer

Signature

Kenneth J Kundrik

Date

3/2/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

ACCEPTED FOR RECORD

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

MAR 09 2009

FARMINGTON FIELD OFFICE

BY *CM*

UTAH *****DCD

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED
MAY 31 2009

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 RIM Southwest Corp.

3a. Address
 5 Inverness Drive East, Englewood CO 80112

3b. Phone No. (include area code)
 303-799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SESW sec 8 T 40S R 25E

5. Lease Serial No.
 NOOC-14-20-5297

6. If Indian, Allottee, or Tribe Name
 The Navajo Nation

7. Unit or CA. Agreement Designation

8. Well Name and No.
 Monument 8N-2

9. API Well No.
 43-037-31509

10. Field and Pool, or Exploratory Area
 Greater Aneth

11. County or Parish, State
 San Juan Co., Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Returned to production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

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Returned to production on Friday, May 15, 2009 at 3:00 p.m.

RCVD MAY 28 '09
OIL CONS. DIV.
DIST. 3

RECEIVED

JUN 22 2009

14. I hereby certify that the foregoing is true and correct.
 Name (Printed/ Typed) **Kenneth J Kundrik** Title **DIV OF OIL CONSERVATION Operations Engineering**

Signature *[Handwritten Signature]* Date **5/18/2009**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE **ACCEPTED FOR RECORD**

Approved by _____ Title _____ Date **MAY 26 2009**
 Office **FARMINGTON FIELD OFFICE**

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NMOCD

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: 11087
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
		7. UNIT or CA AGREEMENT NAME: NMNM85756
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Monument 8N #2	
2. NAME OF OPERATOR: Navajo Nation Oil and Gas Company		9. API NUMBER: 43-037-31509
3. ADDRESS OF OPERATOR: P. O. Box 5069 Window Rock AZ 86515	PHONE NUMBER: 303-534-8300	10. FIELD AND POOL, OR WILDCAT: Greater Aneth
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: 80 FSL & 1830 FWL		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE SW sec. 8 T40S R25E		STATE: UTAH

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

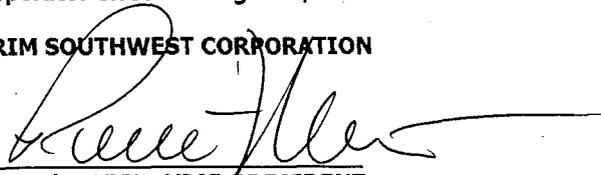
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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.

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 0006712

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
Rachel 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

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

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, appearing to read "Katie Hynes". The signature is fluid and cursive.

Katie Hynes
Associate Landman

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.

		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co.		9. API NUMBER: Various
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202		10. FIELD AND POOL, OR WILDCAT: Various
PHONE NUMBER: (303) 534-8300		
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		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.

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: See Attached
9. API NUMBER: Various
10. FIELD AND POOL, OR WILDCAT: Various

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515
PHONE NUMBER: (303) 534-8300

4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	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 & 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 wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

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

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

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.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOOC-1420-5297	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO		8. WELL NAME and NUMBER: MONUMENT 8N-2	
3. ADDRESS OF OPERATOR: P.O. Box 4439 , Window Rock, AZ, 86515		9. API NUMBER: 43037315090000	
PHONE NUMBER: 303 534-8300 Ext		9. FIELD and POOL or WILDCAT: MONUMENT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0080 FSL 1830 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 08 Township: 40.0S Range: 25.0E Meridian: S		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 Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/10/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well is S/I, went on vent December 10, 2012.			
NAME (PLEASE PRINT) Lauren Germinario	PHONE NUMBER 303 534-8300	TITLE Land Manager	
SIGNATURE N/A		DATE 12/26/2012	

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, 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.

5. LEASE DESIGNATION AND SERIAL NUMBER: VARIOUS	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: SEE ATTACHED	
9. API NUMBER: ATTACHED	
10. FIELD AND POOL, OR WILDCAT: SEE ATTACHED	
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	
2. NAME OF OPERATOR: NNOGC EXPLORATION AND PRODUCTION, LLC	
3. ADDRESS OF OPERATOR: P.O. BOX 4439 CITY WINDOW ROCK STATE AZ ZIP 86515 PHONE NUMBER: (303) 538-8300	
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: SAN JUAN QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 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 type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input checked="" 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.

PLEASE SEE ATTACHED LIST OF WELLS THAT ARE CURRENTLY VENTING. THE LISTED WELLS WILL BE VENTING FOR A MINIMUM OF TWO MONTHS PENDING REPAIRS TO THE ANADARKO LINE.

NAME (PLEASE PRINT) LAUREN GERMINARIO	TITLE LAND MANAGER
SIGNATURE	DATE 1/18/2013

(This space for State use only)

Attachment to Form 9

API	Well Name	Type	Lease	Field	County	T-R	Section	Activity	MCF/day (avg)
43-037-31472	SANGZIE 1	Oil Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	0
43-037-31478	ANASAZI 1	Oil Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	17
43-037-31497	CAJON MESA 8D-1	Oil Well	NOOC-1420-5297	CAJON MESA	SAN JUAN	40S-25E	8	S/I, on vent 12/10/12	8
43-037-31509	MONUMENT 8N-2	Oil Well	NOOC-1420-5297	MONUMENT	SAN JUAN	40S-25E	8	S/I, on vent 12/10/12	11
43-037-31515	RUNWAY 10G-1	Oil Well	NOG-8707-1170	RUNWAY	SAN JUAN	40S-25E	10	S/I, on vent 12/10/12	3
43-037-31547	MONUMENT 17E-2	Oil Well	NOG-8707-1191	MONUMENT	SAN JUAN	40S-25E	17	S/I, on vent 12/10/12	0
43-037-31550	RUNWAY 10E-2	Gas Well	NOG-8707-1190	RUNWAY	SAN JUAN	40S-25E	10	S/I, on vent 12/10/12	19
43-037-31562	BLUE HOGAN 1J-1	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8
43-037-31572	ANASAZI 5L-3	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	6
43-037-31573	BROWN HOGAN 1A-2	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8
43-037-31617	MULE 31K (N)	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	1
43-037-31710	MULE 31M	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	8
43-037-31744	ANASAZI 6H-1	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	6	on vent 12/24/12	0

Well does not produce gas

Well is currently s/i

Well does not produce gas

NOTE: The listed wells will be on vent for a minimum of 2 months pending repairs to the Anadarko line.