

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Chuska Energy Co.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 2455 FSL & 2120 FEL
 At proposed prod. zone: 2130' FNL & 1980' FEL

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
 5120

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 5465

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4352 GR

22. APPROX. DATE WORK WILL START*
 August 30, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Navajo Tribal

9. WELL NO.
 32-26

10. FIELD AND POOL, OR WILDCAT
~~Ameth~~ *Turner Bluff*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 26, 40S, 22E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17	13 3/8	54.5	100	See attached cement information
12 1/4	8 5/8	24	1300	
7 7/8	5 1/2	15.5	5465	

RECEIVED

AUG 22 1984

DIVISION OF OIL
GAS & MINING

See Attached

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/28/84
BY: *John Alexander*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *John Alexander* TITLE Agent DATE 8/15/84
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NCR

COMPANY CHUSKA ENERGY COMPANY

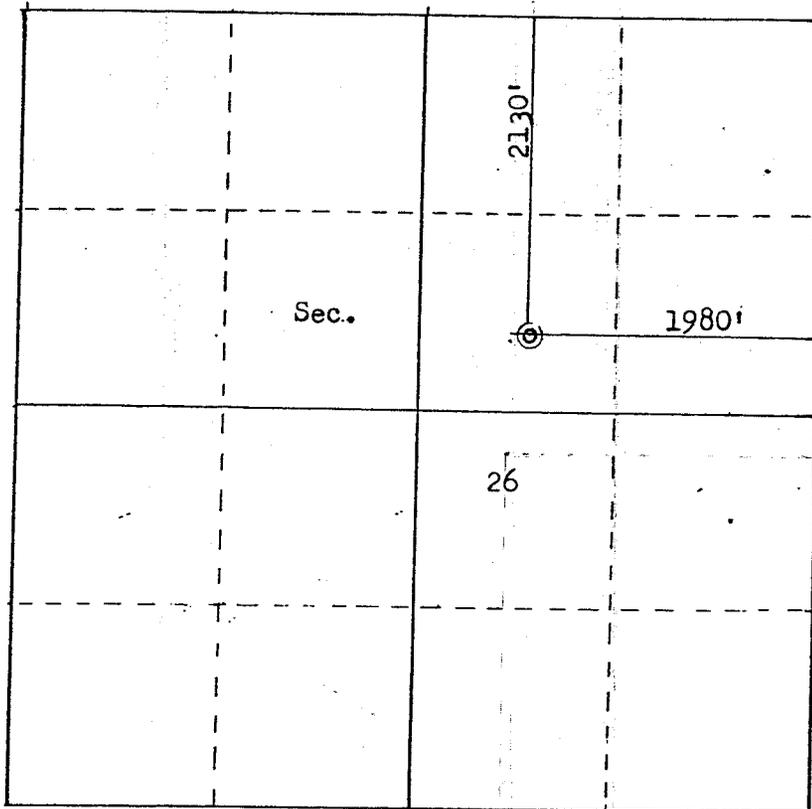
LEASE NAVAJO TRIBAL WELL NO. 32-26

SEC. 26, T. 40S, R. 22E

San Juan County, Utah

LOCATION 2130'FNL 1980'FEL

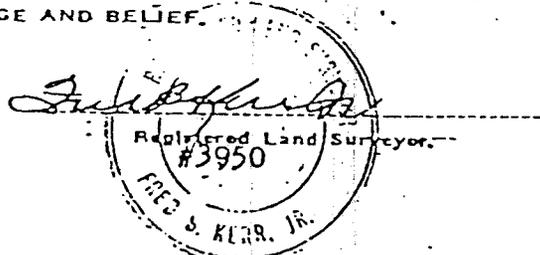
ELEVATION 4352 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:



SURVEYED November 9, 1983

FARMINGTON, N. M.

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 32-26
2130' FNL and 1980' FEL
Sec 26, 40S, 22E
San Juan Co., Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Navajo	345'	Organ Rock	2287'
Keyenta	670'	Cuttler	3270'
Windgate	780'	Hermosa	4187'
Chinle	1193'	Upper Ismay	5109'
Shinarump	1875'	Lower Ismay	5229'
Moenkopi	1970'	Gothic Shale	5287'
Dechelly	2225'	Desert Creek	5327'
		T. D.	5465'

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

Oil	5229'
Oil	5327'

4. Proposed Casing Program:

Ø-100'	13 3/8", 54.5 lb/ft, ST & C J-55 new casing; cement with 120 cubic feet Class "B" + 2% CaCl ₂ + 1/4 lb celophane flakes per sack.
Ø-1300'	8 5/8", 24 lb/ft, ST & C K-55 new casing; cement with 800 cubic feet 65-35 poz mix + 2% CaCl ₂ . Cement will be brought to surface.
Ø-5465'T.D.	5 1/2", 15.5 lb/ft, ST & C, K-55 new casing; cement with 450 cubic feet 50-50 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'.

5. Pressure Control Equipment - Blow Out Preventor:

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

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID LOSS
Ø-1300'	Gel-lime	35-45	9.0	Not controlled
1300-4000'	Gel-chem	35-45	9.5	15cc
4000-5465'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

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

8. Logging - Coring - Testing Program:

Logging - Open Hole : IES, CNL, FDC
Mud : 4000' to t.d.

Testing : possible in Lower Ismay and Desert
Creek

Coring : None planned

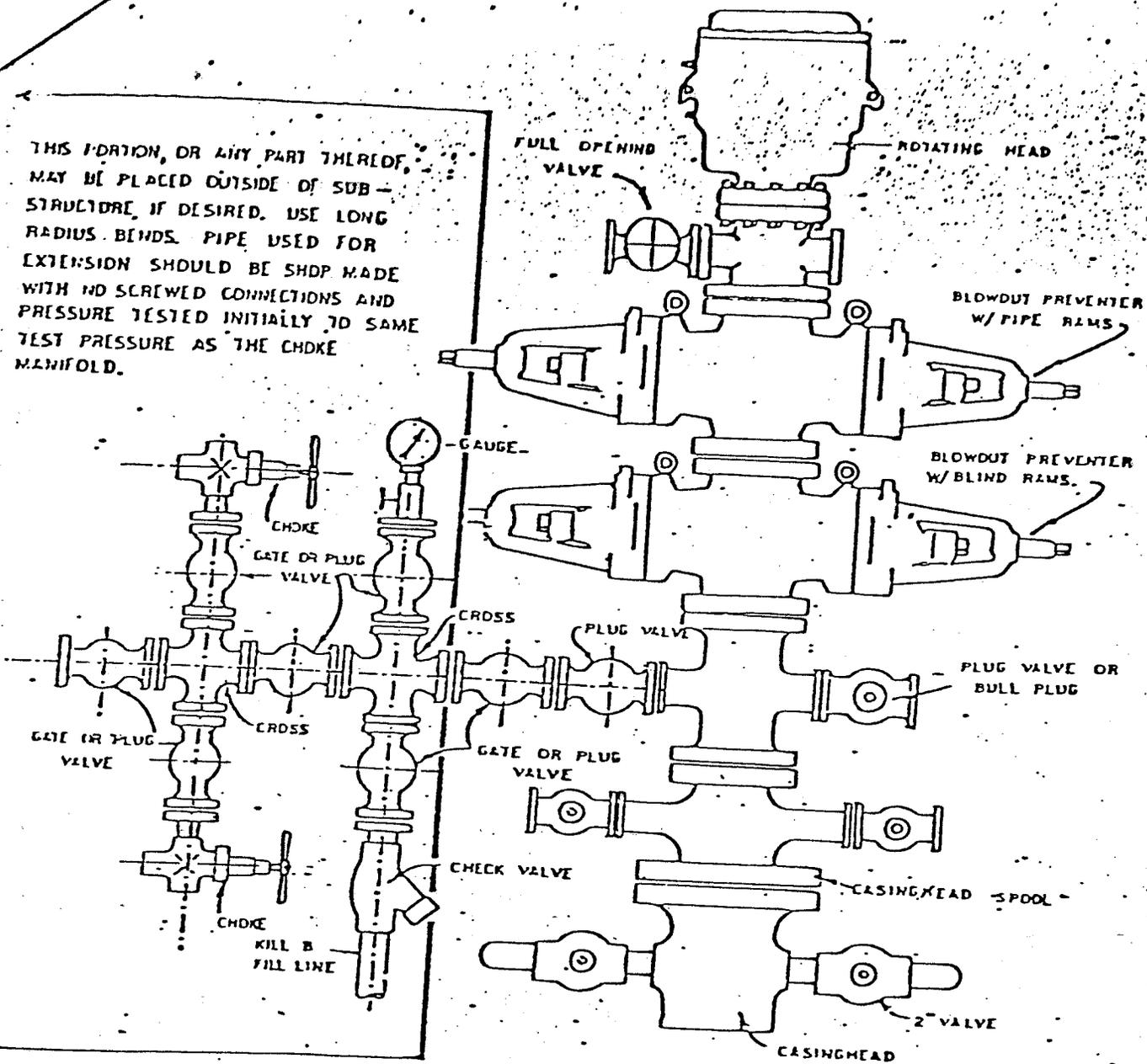
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

Anticipated starting date is August 30, 1984. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHDKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY CO.
Navajo Tribal No. 32-26
2130' FNL and 1980' FEL
Sec 26, 40S, 22E
San Juan Co., Utah

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county and secondary road will bear normal drilling traffic and not have to be upgraded.

2. Planned Access Road (shown in red)

The new access road will run Southeast from an existing well site approximately 1 mile to the well site. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3. Location of Existing Wells

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

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

5. Location and Type of Water Supply

Water will be trucked from the San Juan River, 1/4 mile north of the location.

6. Source of Construction Materials

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal

All trash will be carried to a land fill or burned. All nonburnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities - No ancillary facilities are planned.

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

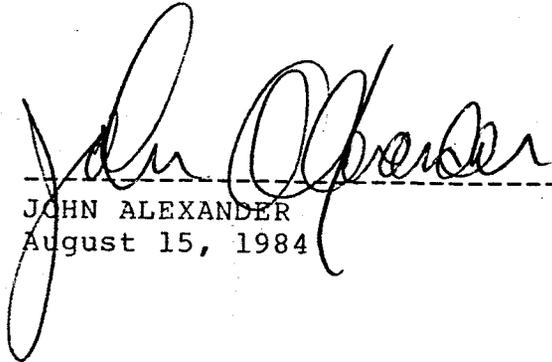
11. Plans for Restoration of Surface

Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is in the San Juan River bottom. The site is sandy and covered with willow bushes and a small amount of grass. No artifacts were found and there are no residences in the area.

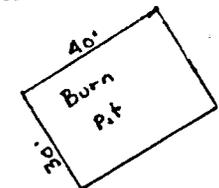
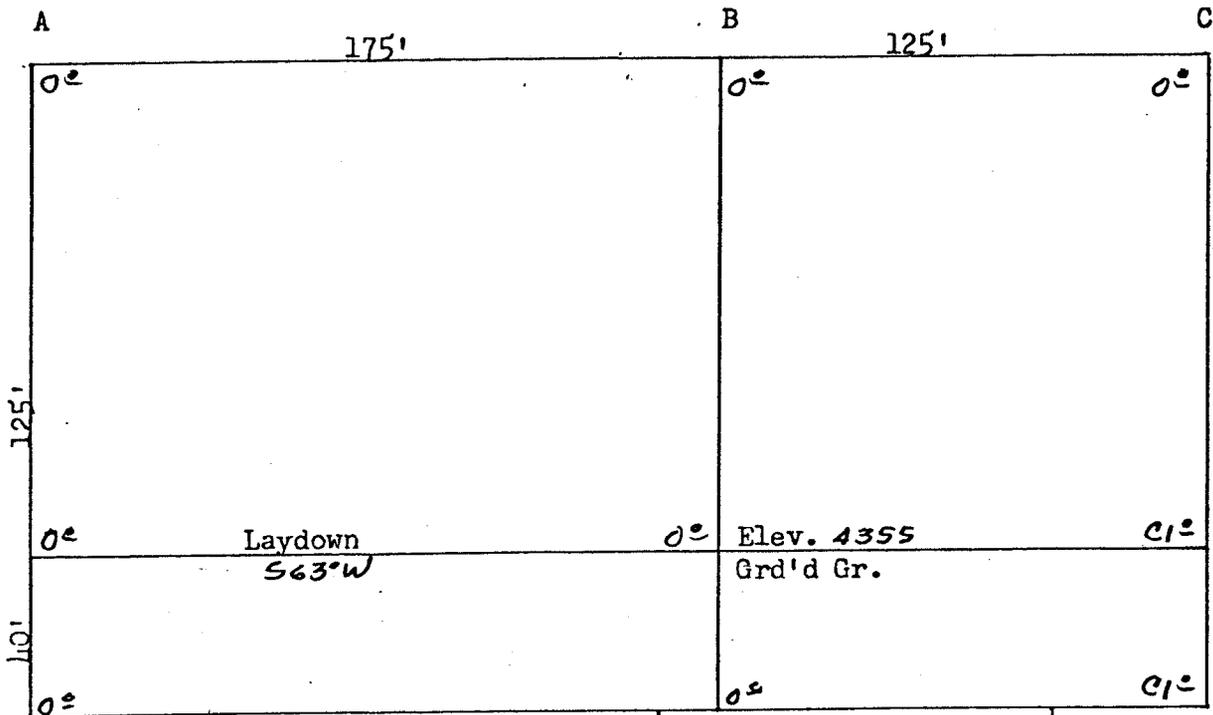
13. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87499
Phone: 505-326-1135

14. I hereby certify that I, or persons under by direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

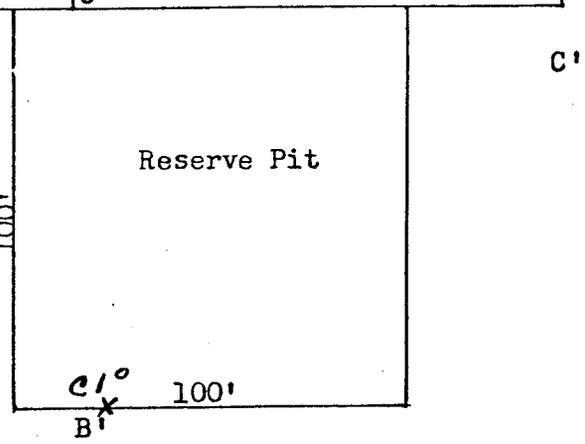
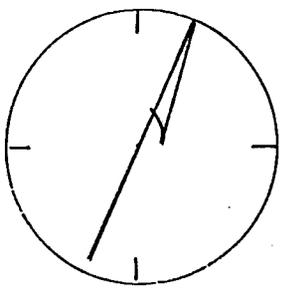


JOHN ALEXANDER
August 15, 1984

JA:kj



Scale: 1"=50'



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

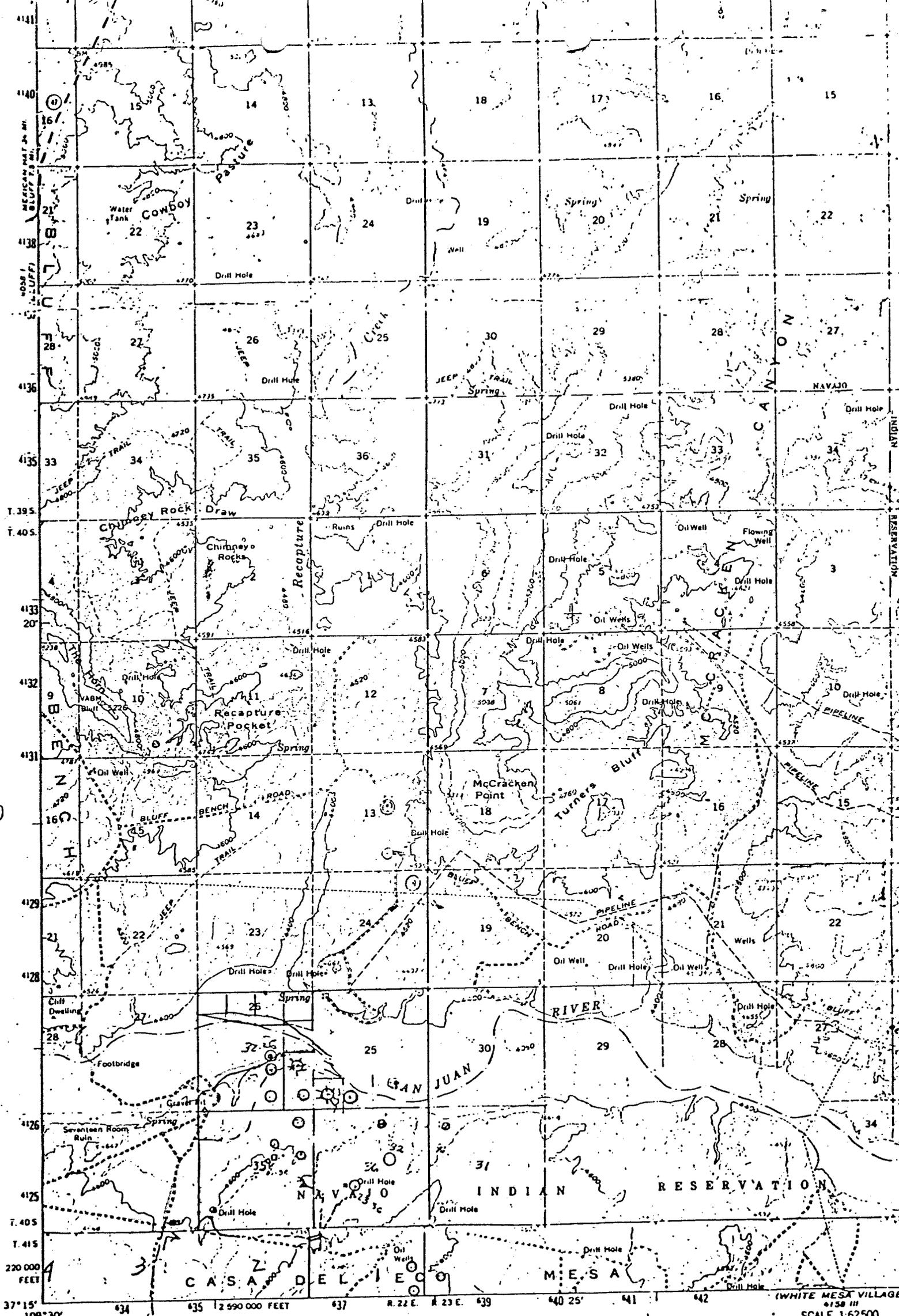
4360	-----					
4350	-----		-----		-----	-----

B-B' C/L

4360	-----					
4350	-----		-----		-----	

C-C' C/L

4360	-----					
4350	-----		-----		-----	-----

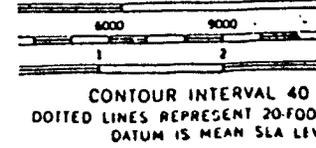


Mapped, edited, and published by the Geological Survey

Control by USGS and USACE
 Topography by photogrammetric
 photographs taken 1959
 Polyconic projection 1927
 10,000-foot scale on U.S.
 1000-meter Universal Transverse
 Mercator zone 12, shown in blue
 Where omitted, land lines have not been established

Vicinity Map for
CHUSKA ENERGY COMPANY #32-26 NAVAJO TRIBAL
2455' FSL 2120' FEL Sec. 26-T40S-R22E
SAN JUAN COUNTY, UTAH

SCALE 1:62500



UTM GRID AND 1942 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACT
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS

OPERATOR Chuska Energy Co. DATE 8-22-84

WELL NAME Narajo Tidal 32-26

SEC (B4L) SW NE 26 T 40S R 22E COUNTY San Juan
(Surface) NW SE 26

43-037-31060
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other oil wells within 1000'

Need water permit.

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

1 - Water

2 - BOP equipment with a minimum working pressure rating of 3000 psi should be used after drilling out of 8 5/8" casing.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 28, 1984

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

Gentlemen:

RE: Well No. Navajo Tribal #32-26 - Sec. 26, T. 40S, R. 22E
(Surface) 2455' FSL, 2120' FEL (NWSE), (BHL) 2130' FNL, 1980' FEL (SWNE)
San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. BOP equipment with a minimum working pressure rating of 3000 psi should be used after drilling out of 8 5/8" casing.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Chuska Energy Company
Well No. Navajo Tribal #32-26
August 28, 1984

5. 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 43-037-31060.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31060

NAME OF COMPANY: CHUSKA ENERGY CO

WELL NAME: NAVAJO TRIBAL #32-26

SECTION ^(BHL) SW NE 26 TOWNSHIP 40S RANGE 22E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 2

SPUDDED: DATE 12-5-84

TIME 3:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Bret Cook

TELEPHONE # 505-326-1135

DATE 12-5-84 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribal

9. WELL NO.
32-26

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
26-40S-22E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

RECEIVED
DEC 13 1984

OIL, GAS & MINING

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Co.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2455 FSL & 2120 FEL

At total depth: 2130' FNL & 1980' FEL

14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4367 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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SEGROUTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

Spud 17 1/2" hole 12-5-84 with Coleman Rig # 2 as drilling contractor. Drill to 98 ft. Ran 83' 13 3/8" 68lb casing to 97 ft. Cemented with 224 cu. ft. Class "B" cement containing 3% CaCl2 and 1/4 lb cellophane flake per sack. Circulated 67 cu. ft. cement to surface. Job complete 12-5-84.

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

SIGNED

Bret D. Cook
Bret D. Cook

TITLE

Agent

DATE 12-5-84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

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

DATE

DATE 12/19/84
BY: *John R. Buz*

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.
NOG-8308-1033

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

UNIT AGREEMENT NAME

OIL WELL GAS WELL OTHER

DEC 31 1984

2. NAME OF OPERATOR

Chuska Energy Co.

8. FARM OR LEASE NAME

Navajo Tribal

3. ADDRESS OF OPERATOR

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

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32-26

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See also space 17 below.)

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At total depth: 2130' FNL & 1980' FEL

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Aneth

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26-40S-22E

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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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

Drilled 7 7/8" hole to 5514' on 10/24/84. Ran DIL-FDL open hole logs. Ran 5 1/2" 15.50lb casing to 5513'. Cemented with: First stage--524 cu.ft Class "H" with 10% salt, 10lb Cal Seal per sack, and 0.6% Halad-9; Second stage--413 cu.ft Class "B" with 0.6% Halad-9. Stage tool set at 2313'. Maintained full circulation through job. Second plug down at 14:00. Job complete 12/26/84.

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

SIGNED

Bret D. Cook
Bret D. Cook

TITLE

Agent

DATE

12/27/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

TERRA SERVICES, INC.

1645 COURT PLACE, SUITE 218 • DENVER, COLORADO 80202
303/534-2871

RECEIVED
JAN 08 1985

January 3, 1985

DIVISION OF
OIL, GAS & MINING

Mr. Norman Stout
Utah Oil Division
4241 State Office Building
Salt Lake City, Utah 84111

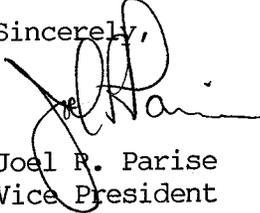
Dear Mr. Stout:

Enclosed is your final copy of the Well Log covering Chuska Energy:

Navajo Tribal 32-26
Sec. 26, T40S, R22E
San Juan County, Utah

Should you have any questions pertaining to this Well Log or any other matter which we can be of assistance, please contact us.

Sincerely,


Joel R. Parise
Vice President
Sales and Operations

JRP:mh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRICATE*
(Other instruct
verse side)

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

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NOG-8308-1033

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Navajo

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Navajo Tribal

WELL NO.

32-26

FIELD AND POOL, OR WILDCAT

Turner Bluff

SEC., T., R., M., OR BLK. AND SURVEY OR AREA

26-40S-22E

COUNTY OR PARISH STATE

San Juan

Utah

OIL WELL GAS WELL OTHER

NAME OF OPERATOR

Chuska Energy Co.

ADDRESS OF OPERATOR

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

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At t.d. 2130' FNL & 1980' FEL

PERMIT NO.

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

4367' KB

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TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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Summary of completion for Navajo Tribal 32-26:

Drill out stage tool at 2313'. Run cement bond log. Drill out 20' cement in shoe joint. New plug back t.d. = 5491. Pressure test to 3000 psi for 15 minutes with no leaks. Perforate 5440-5464', 24' Desert Creek zone with two shots per foot. Pumped 3600 gallon of 28% HCL containing two gallon per 1000 nonemulsifier and two gallon per 1000 ASA100. Swabbed and flow tested. Ran tubing production assembly. Ran rods and pump.

I hereby certify that the foregoing is true and correct

SIGNED

Bret D. Cook

TITLE

Agent

DATE

1/28/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Chuska Energy Co.

FEB 22 1985

3. ADDRESS OF OPERATOR

PO Box 2118 Farmington, NM 87499

DIVISION OF OIL
GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal regulations.
See also space 17 below.)
At surface

2455' FSL & 2120' FEL

14. PERMIT NO.

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

4365' KB

5. LEASE DESIGNATION AND SERIAL NO.

NOG 8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal

9. WELL NO.

32-26

10. FIELD AND POOL, OR WILDCAT

Aneth

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

26-40S-22E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Drilled 12 1/4" hole to 1251'. Ran 8 5/8" 24 pound casing to 1251'. Cemented with 853 cu.ft. Class "B" cement with 4% Gel, 1/2 pound Flocele per sack and 2% CaCl2, followed by 353 cu.ft. Class "B" with 1/2 pound Flocele per sack and 2% CaCl2. Maintained full circulation throughout job. Squeezed 531 cu.ft "Thixset" cement down 8 5/8" - 13 3/8" annulus to cut off water flow that persisted after cement job was completed. Job complete 12/9/84.

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

SIGNED

John Alexander
John Alexander

TITLE Agent

DATE 2/18/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 17, 1985

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

Gentlemen:

Re: Well No. 32-26 - Sec. 26, T. 40S., R. 22E.,
San Juan County, Utah - API #43-037-31060

Our records indicate that you have not filed drilling reports for the months of March to present on the above referenced well. Our rules and regulations stipulate that these reports be filed by the sixteenth of each month until the well is completed.

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than July 1, 1985.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/34

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

JUN 24 1985

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR Chuska Energy Co.		8. FARM OR LEASE NAME Navajo Tribal	
3. ADDRESS OF OPERATOR c/o 3E Co. Inc., Box 190 Farmington, NM 87499		9. WELL NO. 32-26	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2455 FSL & 2120 FEL At total depth: 2130' FNL & 1980' FEL		10. FIELD AND POOL, OR WILDCAT Aneth	
14. PERMIT NO.		18. STATE Utah	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4367 KB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 26-40S-22E	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		12. COUNTY OR PARISH San Juan	

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)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Drilled 7 7/8" hole to 5514' on 10/24/84. Ran DIL-FDL open hole logs. Ran 5 1/2" 15.50lb casing to 5513'. Cemented with: First stage--524 cu.ft Class "H" with 10% salt, 10lb Cal Seal per sack, and 0.6% Halad-9; Second stage--413 cu.ft Class "B" with 0.6% Halad-9. Stage tool set at 2313'. Maintained full circulation through job. Second plug down at 14:00. Job complete 12/26/84.

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

SIGNED

Bret D. Cook
Bret D. Cook

TITLE

Agent

DATE

12/27/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. LEASE DESIGNATION AND SERIAL NO.
NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribal

9. WELL NO.
32-26

10. FIELD AND POOL, OR WILDCAT
Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
26-40S-22E

12. COUNTY OR PARISH **13. STATE**
San Juan 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

JUN 24 1985

DIVISION OF OIL
GAS & MINING

1. OIL WELL **GAS WELL** **OTHER**

2. NAME OF OPERATOR
Chuska Energy Co.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2455' FSL & 2120' FEL
At t.d. 2130' FNL & 1980' FEL

14. PERMIT NO. **15. ELEVATIONS** (Show whether DF, RT, GR, etc.)
4367' KB

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

NOTICE OF INTENTION TO:

TEST WATEL 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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)

Summary of completion for Navajo Tribal 32-26:

Drill out stage tool at 2313'. Run cement bond log. Drill out 20' cement in shoe joint. New plug back t.d. = 5491. Pressure test to 3000 psi for 15 minutes with no leaks. Perforate 5440-5464', 24' Desert Creek zone with two shots per foot. Pumped 3600 gallon of 28% HCL containing two gallon per 1000 nonemulsifier and two gallon per 1000 ASA100. Swabbed and flow tested. Ran tubing production assembly. Ran rods and pump.

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

SIGNED Bret D. Cook TITLE Agent DATE 1/28/85
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-58

10

WELL COMPLETION, OR RECOMPLETION REPORT AND LOG*

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

2. NAME OF OPERATOR **Chuska Energy Co.** JUN 24 1985

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface **2455' FSL & 2120' FEL NWSE**
 At top prod. interval reported below
 At total depth **2130' FENL & 1980' FEL SWNE**

14. BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
43-037-31060 8-28-84

5. LEASE DESIGNATION AND SERIAL NO.
NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribal

9. WELL NO.
32-26

10. FIELD AND POOL, OR WILDCAT
Turner Bluff

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
26-40S-22E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDDED **12/5/84** 16. DATE T.D. REACHED **12/24/84** 17. DATE COMPL. (Ready to prod.) **1/17/85** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **4367' KB** 19. ELEV. CASINGHEAD **4352 GR**

20. TOTAL DEPTH, MD & TVD **5514' MD 5425 TVD** 21. PLUG, BACK T.D., MD & TVD **5471 MD** 22. IF MULTIPLE COMPL., HOW MANY* **→** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-5514'** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Desert Creek 5440-5464'

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, GR, FDC, CNL, Caliper, Cement Bond

27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	68	83' 97'	17 1/2		None
8 5/8	24.0	1251'	12 1/4	See Attachment	None
5 1/2	15.50	5513'	7 7/8		None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5466'	5398'

31. PERFORATION RECORD (Interval, size and number)
5440-5464 24' zone with two shots per ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5440-5464	3450 gallons 28% HCL containing two gal/1000 nonemulsifier & 2 gal/1000 ASA-100

33.* PRODUCTION

DATE FIRST PRODUCTION **1/17/85** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Pumping 1 1/2" X 2 1/2" X 16' BHD** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/7/85	24	1"	→	146		0	881:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
125 psi		→	100 bbl/D	125 MCFD	0	43

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Used for Fuel** TEST WITNESSED BY **Bret Cook**

35. LIST OF ATTACHMENTS
Cementing Attachment

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

SIGNED Bret D. Cook TITLE Agent DATE 1/28/85

ACCEPTED FOR RECORD
FEB 20 1985

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

OPERATOR

FARMINGTON RESOURCE AREA
BY Smn

CHUSKA ENERGY
Navajo Tribal 32-26

CONTROL DATA

Navajo Tribal 32-26 Sec. 26, T40S, R22E San Juan County, Utah Ground Elev. 4355' Kelly Bushing Elev. 4367'	Navajo Tribal 14-25 Sec. 25, T40S, R22E San Juan County, Utah Ground Elev. 4545' Kelly Bushing elev. 4557'	Navajo Tribal 43-26 Sec. 26, T40S, R22E San Juan County, Utah Ground Elev. 4497' Kelly Bushing Elev. 4510'
--	--	--

<u>FORMATIONS</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>From Sea Level</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>From Sea Level</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>From Sea Level</u>
HERMOSA GROUP									
Ismay	5152'	5155'	5088' TVD (-715')	5326'	5214'	(+158') (-772')	4398'	4328'	(+180') (-742')
Lower Ismay	5290'	5280'	5205' TVD (-836')	5448'	5449'	(-892')	5370'	5370'	(-862')
Gothic Shale	5335'	5338'	5255' (-921')	5516'	5510'	(-952')	5428'	5430'	(-920')
Desert Creek	5365'	5371'	5288' (-921')	5550'	5542'	(-985')	5470'	5470'	(-960')
Chimney Rock	5484'	5490'	5401' (-1123')	5656'	5663'	(-1106')	5575'	5570'	(-1164')
T.D.	5514'	5514'							

TERRA SERVICES, INC.

163 SOUTH VAN GORDON ST. • LAKEWOOD, COLORADO 80228

303/988-5111

CHUSKA ENERGY

Navajo Tribal 32-26

San Juan County, Utah

Prepared by:

TERRA SERVICES, INC.

1645 Court Place, Suite 218

Denver, Colorado 80202

(303) 534-2871

Supervisors: Steve Szekula
Joel Parise

Loggers: Eric Fagrelus
Dudley Deardorff

CHUSKA ENERGY
Navajo Tribal 32-26

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CHUSKA ENERGY
Navajo Tribal 32-26

WELL DATA

OPERATOR:

Chuska Energy
Farmington, New Mexico

WELL:

Chuska Energy
#32-26 Navajo Tribal

LOCATION:

Sec. 26, T40S, R22E
Aneth Field
San Juan County, Utah

FIELD:

Aneth

ELEVATION:

Ground: 4355'
Kelly Bushing: 4367'

CONTRACTOR:

Coleman Drilling Rig #2
Box 1058
Cortez, Colorado 81321

Tool Pusher: C.D. Keenom

COMPANY REPRESENTATIVE:

John Alexander, Ralph Sloan
Chuska Energy

GEOLOGIST:

John Pudliner
Chuska Energy

MUD COMPANY:

Hunter Mud Company
3006 North Sullivan
Farmington, New Mexico 87401

Engineer: John Hunter
(505) 327-5666

CHUSKA ENERGY
Navajo Tribal 32-26

WELL DATA, continued

MUDLOGGING COMPANY:

Terra Services, Inc.
1645 Court Place, Suite 218
Denver, Colorado 80202

Engineers: Dudley Deardorff
Eric Fagrelus

Report Prepared by: Eric Fagrelus

SPUD DATE:

December 5, 1984

COMPLETED DRILLING DATE AND TOTAL DEPTH:

A total depth of 5514' was reached at 2:50 A.M. on December 25, 1974.
The hole was then circulated bottoms up and conditioned for E-Logs.

DRILL TYPE:

4-1/2" XH Type E

MUD PUMPS AND TANK VOLUME:

#1 OpI 700 Stroke Length: 5-1/2" X 8"
#2 IDECO 600 Stroke Length: 5-1/2" X 16"
Tank Volumer: 400 bbl

CASING PROGRAM:

29 Joints of 8-5/8" St & C 24#
1268' of sting set at 1255'

E-LOG COMPANY:

Dresser Atlas
Farmington, New Mexico

Engineer:

DIRECTIONAL DRILLER:

AMF Scientific Drilling
6634 Coal Road
Casper, Wyoming

Engineer: Dick Spencer

CHUSKA ENERGY
Navajo Tribal 32-26

SURVEY RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>	<u>TYPE</u>	<u>TRUE VERTICAL</u>
12-7-84	3348'	3/4°	Dropped	
12-7-84	7000'	1-1/4°	Dropped	
12-7-84	1000'	2-1/4°	Dropped	
12-7-84	1217'	3°	Dropped	
12-10-84	1555'	1-1/2°	Dropped	
12-11-84	1867'	1-1/4°	Dropped	
12-11-84	2167'	1-1/2°	Dropped	
12-11-84	2472'	3/4°	Dropped	2472'
12-11-84	2474'	1° N35W	Wireline	2474'
12-11-84	2500'	1-1/4° N44W	Wireline	2500'
12-11-84	2500'	1° N54W	Wireline	
12-12-84	2532'	1-1/2° N30W	Wireline	2532'
12-12-84	2563'	1-3/4° N20W	Wireline	2563'
12-12-84	2595'	2-1/4° N14W	Wireline	2595'
12-12-84	2625'	3° N 5W	Wireline	2625'
12-13-84	2716'	3-3/4° N 4W	Wireline	2716'
12-13-84	2775'	4-1/2° N 6W	Wireline	2775'
12-13-84	2867'	5-1/4° N 3E	Wireline	
12-13-84	2899'	6° N 1W	Wireline	2898'
12-13-84	2960'	7-1/2° N 2E	Wireline	2959'
12-14-84	3085'	10-1/4° N 1E	Wireline	3082'
12-14-84	3147'	12° N23E	Wireline	3143'
12-14-84	3209'	13-1/4° N13E	Wireline	3203'
12-15-84	3270'	14° N12E	Wireline	3263'
12-15-84	3333'	15° N	Wireline	3324'
12-15-84	3401'	15° N 2E	Wireline	3389'

CHUSKA ENERGY
Navajo Tribal 32-26

SURVEY RECORD, continued

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>	<u>TYPE</u>	<u>TRUE VERTICAL</u>
12-16-84	3524'	15° N15E	Wireline	3508'
12-16-84	3649'	15° N13E	Wireline	3629'
12-16-84	3772'	15° N 1W	Wireline	3748'
12-17-84	3927'	15° N12E	Wireline	3897'
12-17-84	4084'	15° N12E	Wireline	4049'
12-18-84	4210'	15° N12E	Wireline	4171'
	4244'	15° N13E	Wireline	4204'
12-18-84	4332'	15° N14E	Wireline	4289'
12-19-84	4395'	15-1/2° N15E	Wireline	4350'
12-19-84	4459'	16° N16E	Wireline	4411'
12-19-84	4492'	16-3/4° N16E	Wireline	4443'
12-19-84	4588'	16-1/4° N17E	Wireline	4535'
12-20-84	4712'	15° N18E	Wireline	4654'
12-20-84	4806'	14° N18E	Wireline	4745'
12-23-84	4921'	14° N20E	Wireline	4856'
12-23-84	4983'	14-1/4° N21E	Wireline	4916'
12-23-84	5076'	15° N23E	Wireline	5007'
12-23-84	5167'	16° N27E	Wireline	5095'
12-24-84	5261'	17-1/4° N24E	Wireline	5184'
12-24-84	5383'	18° N26E	Wireline	5300'
12-24-84	5470'	18-3/4° N25E	Wireline	5383'
12-24-84	5514'	18-3/4° N25E	Wireline	5425'

CHUSKA ENERGY
Navajo Tribal 32-26

BIT RECORD

<u>NO.</u>	<u>SIZE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>TOTAL FOOTAGE</u>	<u>HOURS RUN</u>	<u>FEET/ HOUR</u>
1	12-1/4	REED HS-S1	98'	98'	3	32.67
2	17-1/2	HTC OSC-3.4	98'	98'	2	49.0
3	12-1/4	REED HS-S1	1257'	1159'	12-1/2	92.7
4	7-7/8	HTC J-22	2529'	1272'	23-3/4	53.6
5	7-7/8	REED HS-S1	2682'	153'	17-1/2	8.7
6	7-7/8	HTC J-33	2865'	183'	8-1/4	22.2
7	7-7/8	HTC HP53AJ	2946'	59'	5	11.8
8	7-7/8	HTC J-33	4311'	1365'	94	14.5
9	7-7/8	REED HP 53A	4536'	224'	18-3/4	11.9
10	7-7/8	Smith F-37	4880'	345'	26-3/4	12.9
11	7-7/8	REED HP 53	4885'	5'	1	5.0
12	7-7/8	Smith F-3	5514'	659'	48-1/4	13.6

CHUSKA ENERGY
Navajo Tribal 32-26

MUD REPORT

<u>DATE</u>	<u>TIME</u>	<u>DEPTH</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>	<u>FILTRATE</u>	<u>FILTER CAKE</u>	<u>pH</u>	<u>CHLORIDES</u>	<u>CALCIUM</u>	<u>SOLIDS</u>
12-5	10:30	98'		WOC						
12-6	11:30	196'		H2O			7.5	450	100	
12-7	11:30	560'		H2O						
12-8	11:00	1257'		H2O						
12-9	13:00	1257'		H2O						
12-10	22:00	1850'	8.8	37	7.8	1/32	11.0	500	8	4.8
12-11	10:30	2410'	9.3	39	7.8	1/32	11.5	500	40	7.25
12-12	8:00	2610'	10.3	40	8.0	1/32	12.0	1200	40	12.0
12-13	11:00	2865'	10.2	38	7.4	1/32	12.5	1400	40	12.0
12-14	13:00	3135'	10.4	43	7.2	1/32	12.0	1700	40	12.5
12-15	13:00	3375'	10.4	43	8.2	1/32	11.5	1600	60	12.5
12-16	12:00	3680'	10.4	41	9.8	1/32	12.0	1700	80	12.5
12-17	12:00	4000'	10.5	41	9.8	1/32	11.5	1600	160	13.0
12-18	11:00	4311'	10.3	39	8.8	1/32	12.5	1700	80	12.0
12-19	11:00	4470'	10.3	40	9.2	1/32	12.5	2500	80	12.0
12-20	11:30	4680'	10.5	37	8.6	1/32	12.5	2600	40	13.0

CHUSKA ENERGY
Navajo Tribal 32-26

MUD REPORT, continued

<u>DATE</u>	<u>TIME</u>	<u>DEPTH</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>	<u>FILTRATE</u>	<u>FILTER CAKE</u>	<u>pH</u>	<u>CHLORIDES</u>	<u>CALCIUM</u>	<u>SOLIDS</u>
12-21	12:30	4883'	10.5	40	8.4	1/32	13.0	2700	40	13.0
12-22	23:00	4903'	10.6	41	6.4	1/32	12.0	2600	40	13.5
12-23	11:30	5104'	10.4	40	6.6	1/32	13	2900	40	13.0
12-24	02:00	5505'	10.5	39	8.6	1/32	13	2900	80	13.0

CHUSKA ENERGY
Navajo Tribal 32-26

DRILLING PARAMETERS

<u>DATE</u>	<u>INTERVAL</u>	<u>WEIGHT ON BIT</u>	<u>RPM</u>	<u>PUMP PRESSURE</u>	<u>STROKES/ MINUTE</u>
12-17-84	4098'-4311'	45,000	70	1900	98
12-18-84	4311'-4361'	38,000	70	1700	98
12-19-84	436'-4535'	40,000	70	1700	98
12-20-84	4535'-4812'	40,000	70	1850	98
12-21-84	4812'-4885'	40,000	70	1800	98
12-22-84	4885'-4887'	20,000	70	1800	98
12-22-84	4887'-4941'	30,000	80	1800	98
12-23-84	4941'-5196'	30,000 32,000 38,000 35,000 40,000	80	1800	98
12-23-84	5196'-5308'	30,000	80	1800	98
12-24-84	5308'-5514' T.D.	33,000	80	1800	98

FORMATION TOPS

See Page 9

CHUSKA ENERGY
Navajo Tribal 32-26

CONTROL DATA

Navajo Tribal 32-26
Sec. 26, T40S, R22E
San Juan County, Utah
Ground Elev. 4355'
Kelly Bushing Elev. 4367'

Navajo Tribal 14-25
Sec. 25, T40S, R22E
San Juan County, Utah
Ground Elev. 4545'
Kelly Bushing elev. 4557'

Navajo Tribal 43-26
Sec. 26, T40S, R22E
San Juan County, Utah
Ground Elev. 4497'
Kelly Bushing Elev. 4510'

<u>FORMATIONS</u>	<u>Sample</u>	<u>E-Log</u>	<u>From Sea</u>	<u>Sample</u>	<u>E-Log</u>	<u>From Sea</u>	<u>Sample</u>	<u>E-Log</u>	<u>From Sea</u>
	<u>Top</u>	<u>Top</u>	<u>Level</u>	<u>Top</u>	<u>Top</u>	<u>Level</u>	<u>Top</u>	<u>Top</u>	<u>Level</u>
HERMOSA GROUP					4398'	(+158')	4328'	4328'	(+180')
Ismay	5152'	5155'	5088' TVD (-715')	5326'	5214'	(-772')	5250'	5250'	(-742')
Lower Ismay	5290'	5280'	5205' TVD (-836')	5448'	5449'	(-892')	5370'	5370'	(-862')
Gothic Shale	5335'	5338'	5255' (-921')	5516'	5510'	(-952')	5428'	5430'	(-920')
Desert Creek	5365'	5371'	5288' (-921')	5550'	5542'	(-985')	5470'	5470'	(-960')
Chimney Rock	5484'	5490'	5401' (-1123')	5656'	5663'	(-1106')	5575'	5570'	(-1164')
T.D.	5514'	5514'							

FORMATION SUMMARY

CUTLER GROUP - PERMIAN

Rico Formation

E-Log top: Not picked

Thickness: Indeterminable

Drilling Rate: 3.5 min/ft or 17 ft/hr

The early Permian Rico Formation of the Cutler Group was the first formation encountered during the logging of the Navajo Tribal 32-26 Well.

The Rico Formation represents the final phase of the Permian Cutler Group. The time line separating Permian and Pennsylvanian Strata lies within the Rico Formation in much of the Paradox Basin. The Upper Rico Formation is comprised of predominantly non-marine strata grading in to predominantly marine conditions in the Lower Rico Formation.

The lithologies within the Rico Formation range from light to medium gray limestones to reddish brown silty shales to white sandstones. The limestone is white to cream and partially light to medium gray. It is cryptocrystalline, lithically dense, predominantly clean to slightly argillaceous, slightly grainy, firm, tight porosity with no shows, fluorescence or cut. The shale is red to reddish brown, blocky, earthy, silty, calcareous, slightly sandy in part, trace of mica, and moderately firm. The sandstones are light brown to clear to light gray, very fine to fine grained, moderately well sorted, subangular, argillaceous, micaceous, slightly calcareous to calcareous and hard.

Background gas with the transitional Rico Formation remained minimal at 1 unit. Methane was the only constituent gas found.

FORMATION SUMMARY, continued

Honaker Trail Formation

E-Log Top: Not picked

Thickness: Indeterminable

Driller Rate: 3.5 min/ft 17 ft/hr

The Honaker Trail Formation is the uppermost formation in the Pennsylvanian Hermosa Group. The Honaker Trail Formation represents marginal marine and shelf carbonae facies within the Paradox Basin.

Lithologies within the Honaker Trail Formation ranged from reddish brown shales and siltstones with occasional sandstone markers to gray limestones.

The shale units range from reddish brown near the top to dark gray and black near the bottom of the formation. The shale is blocky, earthy, silty in part, occasionally chalky, moderately firm to hard, and calcareous. Three separate sandstone markers were encountered within the Honaker Trail Formation. The sandstone is white to clear to light gray, very fine to fine grained, moderately well sorted, sub-round to subangular, clean, usually calcareous, traces of mica and carbonaceous material, cherty in part, and hard limestone was the most abundant lithology encountered in the Honaker Trail Formation, comprising approximately 50% of the rock in the upper part of the formation, and approximately 90% of the rock in the lower formation. The limestone is light to medium gray to tan, mottled in part, cryptocrystalline, microsucrosic, lithic dense to chalky in art, clean to slightly argillaceous, soft to firm, tight porosity.

Background gas remained steady at 1 unit throughout the upper part of the Honaker Trail Formation. After adding crude oil, as a lubricant, to the mud, background gas increased to 50 units. Within a black shale unit at 5047', total gas peaked at 116 units, with 29

CHUSKA ENERGY
Navajo Tribal 32-26

FORMATION SUMMARY, continued

units of C4 as the highest constituent gas reading.

HERMAN GROUP - PENNSYLVANIAN

Paradox Formation

E-Log Tops: Paradox Formation - not picked

Thickness: Indeterminable

Drilling Rate: 4.0 min/ft or 15 ft/hr

The Paradox Formation is the target formation of the Navajo Tribal 32-26 well. It is the second formation encountered within the Pennsylvanian Hermosa Group. The contact shared by the Honaker Trail and Paradox Formations marks a regional disconformity. This time line is recognized throughout the Paradox Basin. In deeper sections of the Paradox basin, the Paradox Formation is recognized as thick evaporate facies of salt, gypsum and anhydrite. Shelfward within the basin, the Paradox Formation grades into black euxinic shales, minor reddish brown shales biostromal limestones and dolomites, with occasional sandstone units.

The black shales are blocky to slightly platy, earthy to sooty, slightly calcareous, carbonaceous, and moderately firm. The reddish brown shales are blocky, earthy, slightly silty, calcareous and moderately firm. The limestone is white to light gray to light brown, microcrystalline, microsucrosic, grainy, slightly argillaceous, traces of fossil fragments, traces of free calcite, abundant fair to good microvugular porosity, poor to fair intercrystalline porosity, occasional black hydrocarbon residue, faint yellow fluorescence, with a very slight bleeding light yellow cut. Secondary and primary dolomite was encountered sporadically throughout the section. Sandstone was a minor constituent in the Navajo Tribal 32-26 well. When encountered, it was

CHUSKA ENERGY
Navajo Tribal 32-26

FORMATION SUMMARY, continued

white to light gray, very fine grained, subangular, moderately well sorted, predominantly clean, calcareous, and firm.

Paradox Formation:

Upper Member

	<u>E-LOG TOP</u>	<u>THICKNESS</u>	<u>DRILL RATE</u>
Ismay	5155' (-715')	183'	4.5 min/ft or 13 ft/hr
Gothic Shale	5338' (-888')	33'	3.5 min/ft or 16 ft/hr
Desert Creek	5371' (-921')	119'	4.0 min/ft or 15 ft/hr
Chimney Rock	5490' (-1123')	Inderminable	4.0 min/ft or 15 ft/hr

The upper member of the Paradox Formation contains the two potential pay zones in the Navajo Tribal 32-26 well. Laterally, these zones grade from typical Paradox Formation evaporites in the Northeast, to shelf-carbonates in the 32-26 well. The two zones are the Ismay and Desert Creek zones.

The Ismay zone is divided into an upper and a lower section. The lower section is one of the potential pay zone targets. The lower Ismay contains approximately 30' of dense limestone with fair porosity, abundant fluorescence, and a very slight cut. Liberated gas within the Lower Ismay is as follows:

<u>BEFORE PEAK</u>	<u>PEAK</u>	<u>AFTER PEAK</u>
Total: 75 units	Total: 96 units	Total: 85 units
c1 15 units	C1: 158 units	C1: 100 units
C2 8 units	C2: 15 units	C2: 8 units
C3 5 units	C3: 8 units	C3: 4 units
C4 7 units	C4: 12 units	C4: 5 units

CHUSKA ENERGY
Navajo Tribal 32-26

FORMATION SUMMARY, continued

Separating the Ismay and Desert Creek zones is approximately 33' of the black, euxinic Gothic Shale. No shows were encountered within the Gothic Shale. Background gas remained steady at about 85 units total.

The Desert Creek zone is approximately 120' thick. It is comprised of shale, dolomitic limestone, algal limestone, and dolomitic shales. Three potential porosity zones were drilled, each liberating some gas. The thickest and best porosity zone was encountered at 5464', with the drilling rate breaking down to 2 min/ft at 5476'.

Liberated gas within the lowest and also best developed porosity zone of the Desert Creek limestone is as follows:

<u>BEFORE PEAK</u>	<u>5460'-5490'</u>	<u>AFTER PEAK</u>
Total: 40 units	PEAK Total: 70 units	Total: 50 units
C1: 40 units	C1: 180 units	C1: 100 units
C2: 8 units	C2: 20 units	C2: 10 units
C3: 2 units	C1: 4 units	C3: 2 units
C4: Trace	C4: Trace	C4: Trace

The two other intervals where gas peaks were encountered are at 5396'-5402' and 5436'-5452'.

<u>BEFORE PEAK</u>	<u>5396'-5402'</u>	<u>AFTER PEAK</u>
Total: 60 units	PEAK Total: 76 units	Total: 25 units
C1: 30 units	C1: 55 units	C1: 25 units
C2: 4 units	C2: 4 units	C2: 4 units
C3: 3 units	C3: 3 units	C3: 4 units
C4: 1 unit	C4: 1 unit	C4: 1 unit

CHUSKA ENERGY
Navajo Tribal 32-26

FORMATION SUMMARY, continued

5436'-5452'

BEFORE PEAK

PEAK

AFTER PEAK

Total: 25 units

Total: 68 units

total: 40 units

C1: 25 units

C1: 164 units

C1: 38 units

C2: 4 units

C2: 18 units

C2: 3 units

C4: 1 unit

C4: 2 units

C4: 1 unit

Below the Desert Creek Zone of the Upper member of the Paradox Formation of the Pennsylvanian Hermosa Group is the black shale Chimney Rock zone of the Middle Member. The Navajo Tribal 32-26 well was T.D.'d at a depth of 5514' in the chimney rock zone. No shows were encountered within the Chimney Rock.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN 7
(Other instr
reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OIL WELL GAS WELL OTHER

JUN 24 1985

1. LEASE DESIGNATION AND SERIAL NO.
NOG 8308-1033

2. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

3. NAME OF OPERATOR
Chuska Energy Co.

4. UNIT AGREEMENT NAME
Navajo Tribal

5. ADDRESS OF OPERATOR
PO Box 2118 Farmington, NM 87499

6. FARM OR LEASE NAME
Navajo Tribal

7. DIVISION OF OIL GAS & MINING

8. WELL NO.
32-26

9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2455' FSL & 2120' FEL

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
26-40S-22E

12. PERMIT NO.

13. ELEVATIONS (Show whether DF, RT, GR, etc.)
4365' KB

14. COUNTY OR PARISH
San Juan

15. STATE
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" 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) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

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

Drilled 12 1/4" hole to 1251'. Ran 8 5/8" 24 pound casing to 1251'. Cemented with 853 cu.ft. Class "B" cement with 4% Gel, 1/2 pound Flocele per sack and 2% CaCl2, followed by 353 cu.ft. Class "B" with 1/2 pound Flocele per sack and 2% CaCl2. Maintained full circulation throughout job. Squeezed 531 cu.ft "Thixset" cement down 8 5/8" - 13 3/8" annulus to cut off water flow that persisted after cement job was completed. Job complete 12/9/84.

RECEIVED
FEB 19 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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

SIGNED John Alexander TITLE Agent DATE 2/18/85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY _____ TITLE _____ DATE FEB 20 1985

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side
OPERATOR

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 12 / 93

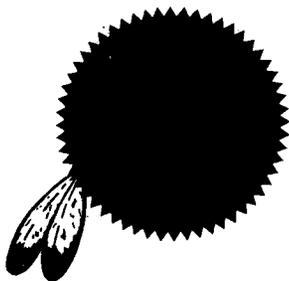
AMENDED REPORT (Highlight Changes)

Well Name 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 1-2								
✓ 4303731507	11088	40S 25E 1	ISMV					
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 _____

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

Other
Oper. Nm. Change

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

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

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

Name Wayne Townsend (Initiated Call) - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Bhm / 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-VLC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJE	
5-IEC	
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: <u>**SEE ATTACHED**</u>	API: <u>037-31060</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: _____
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

- Yes 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 Yes 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.
OTS 3/2/94
- 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

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

COMMENTS

OCT 19 1994
DIV. OF OIL, GAS & MINES

NOG-8308-1033 (WC)
3162.7-3 (07327)

OCT 16 1994

CERTIFIED RETURN RECEIPT REQUESTED
Z-777-608-660

Mr. Larry Chambers
Harken Southwest Corporation
501 Airport Drive, Suite No. 158
Farmington, NM 87401

Re: Venting and Flaring
Indian Lease NOG-8308-1033
No. ~~32-16~~ Navajo Tribal
2455' FSL, 2120' FEL
Sec. 26, T. 40 S., R. 22 E.
San Juan County, Utah

32-26 FRM 43-037-31060

Dear Mr. Chambers:

The Farmington District Office, Inspection and Enforcement staff observed the venting of natural gas, except for that amount being used on lease, from the above referenced well. Between August 1992 and July 1994, this well had an average production of 562 Mcf/month.

Approval for venting on this lease had previously been granted, but expired on April 4, 1989. In NTL-4A it clearly states that an operator is obligated to obtain approval for venting or flaring of gas. If you choose not to obtain the necessary approval, you could be assessed royalty on the value of the gas that is vented.

Please submit, no later than thirty days from receipt of this letter, an application for permission to vent gas on a long term basis. Please make your application retroactive to April 4, 1989. Your application, should illustrate that sales of this gas is not economically feasible and that venting is warranted.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any further questions, please contact Brian W. Davis at (505) 599-6367 or (505) 599-8900.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

1 Enclosure:
1 - Copy NTL-ADO-93-1

bcc: See Attached List

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

Bureau of Indian Affairs
Navajo Area Office
P. O. Box 1060
Gallup, NM 87305-1060

The Navajo Nation
Minerals Department
P. O. Box 1910
Window Rock, AZ 86515

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 18 1994
DIV OF OIL, GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

NOG 8303-1033

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo Tribal 32-26

9. API Well No.

43-037-31060

10. Field and Pool, or Exploratory Area

Turner Bluff

11. County or Parish, State

San Juan, 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. Drawer 612007, Dallas, TX 75261 (817) 695-4900

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

2455' FSL & 2120' FEL (NW/SE)
Section 26-40S-22E

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

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

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

Harken Southwest (HSW) request authorization to vent gas on a long term basis, from the subject well, due to the following:

Closest gas line to which a connection can be made is ± 6 miles

Estimated daily volume in excess of lease use is ± 19 MCF

It is not economically feasible to lay a gas line for the small amount of production

Venting is warranted due to low volume production

The cost of laying a gas line to the connection point would make this project uneconomical .

In addition, HSW request this authorization be retroactive to April, 1989.

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

Signed

Rachelle Montgomery

Title Production Administrator

Date 11/16/94

(This space for Federal or State office use)

Approved by _____

Title _____

Conditions of approval, if any:

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

FOR RECORD ONLY

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.

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

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

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
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
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

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

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

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

TOTALS	4622	4101	229
--------	------	------	-----

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: April 13, 2001

Signature Susan M. Herrera Telephone Number (505) 326-0550
 Susan M. Herrera

RECEIVED

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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	
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>SEE ATTACHED</u>	
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: <u>SEE ATTACHED</u> COUNTY: <u>San Juan</u> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: <u>UTAH</u>	

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

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

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

RECEIVED

APR 27 2001

DIVISION OF
OIL, GAS AND MINING

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

(This space for State use only)

OPERATOR CHANGE WORKSHEET

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

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

CA No.

Unit:

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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

DATA ENTRY:

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

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

Division of Oil, Gas and Mining
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 in 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 renegotiate with Navajo to extend Row was denied [man choice], 1 month
to rebuild once OK given from Navajo etc. b) Use 20" Questar oil pipeline [1950's - no go]
c) Use 6" Conoco Line - convert to gas 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
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
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)

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**

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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Vent/Flare Gas</u>	<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.)*

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]
Exp. Oct 15, 2001

Federal Approval Of This
Action Is Necessary

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

RECEIVED

SEP 19 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 _____ Title _____ Date _____
Conditions of approval, if any:

RIM SOUTHWEST CORPORATION

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

- 43-037-31714

- 43-037-31509

- 43-037-31497

- 43-037-30971

- 43-037-30977

- 43-037-31041

- 43-037-31060

- 43-037-31472

- 43-037-31478

- 43-037-31515

- 43-037-31597

- 43-037-31550

- 43-037-31547

- 43-037-31562

- 43-037-31573

- 43-037-31708

- 43-037-31709

- 43-037-31617

- 43-037-31710



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

COM, IN 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
DRY BTU @ 14.696	1,476.1
DRY BTU @ 14.730	1,479.5
DRY BTU @ 15.025	1,509.2

CYLINDER #	005
CYLINDER PRESSURE	22 PSIG
DATE RUN	12/22/00
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

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

UNIT 2

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

CQM, IN-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)	Gasoline Content
Dry = 1624.438	Propane GPM = 3.492
Sat. = 1597.782	Butane GPM = 1.784
Actual = 1624.438	Gasoline GPM = 1.672
(0.000 lbs. water/MMCF)	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
DRY BTU @ 14.696	1,476.1
DRY BTU @ 14.730	1,479.5
DRY BTU @ 15.025	1,509.2

CYLINDER #	005
CYLINDER PRESSURE	22 PSIG
DATE RUN	12/22/00
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

T 2

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

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. See Attached
2. Name of Operator RIM SOUTHWEST CORPORATION		6. If Indian, Allottee or Tribe Name Navajo Nation
3a. Address 87499 P.O. Box 145, Farmington, NM	3b. Phone No. (include area code) (505) 327-5531	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		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.

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

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

Attachment

Date: 11/19/01
By: [Signature]
BA 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**

RECEIVED

Signature

[Signature]

Date **11/01/01**

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. See Attached
2. Name of Operator RIM SOUTHWEST CORPORATION		6. If Indian, Allottee or Tribe Name Navajo Nation
3a. Address P.O. Box 145, Farmington, NM 87499	3b. Phone No. (include area code) (505)327-5531	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		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 	Date 11/19/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by	Title	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

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 8707-1162	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	

RIM Southwest Corporation
5 Inverness Drive East
Englewood, Colorado 80112
(303) 799-9828 ext. # 303
(303) 799-4259 (fax)

January 9, 2004

Mr. Stephen Mason
United States Department of the Interior
Bureau of Land Management
Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

Re: Navajo Tribal 32-26 – SW SE sec 26 T 40S R 22E, Lse. NOG-8303-1033
San Juan Co., Utah

Dear Mr. Mason:

Please find enclosed the Notice of intent to plug and abandon the above well. We wish to get this well plugged in January, 2004. If you have any question or concerns do not hesitate to contact the undersigned.

Sincerely,



Kenneth J Kundrik
Operations Engineer

CC: BIA Window Rock,
Navajo Nation Minerals Department, Akhtar Zaman Director

State of Utah
Division of Oil, Gas & Mining

RECEIVED
JAN 13 2004
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

5. Lease Serial No.
NOG-8303-1033

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

7. If Unit or CA. Agreement Designation
NA

8. Well Name and No.
Navajo Tribal #32-26

9. API Well No. **31060**
43-037-~~31036~~

10. Field and Pool, or Exploratory Area
Greater Aneth

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

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
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)
~~2455 FNL & 1970 FEL SWNE~~ sec 26 - Twp 40S - Rge 22E

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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" 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 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.)

- 1) RU Service Rig, POOH with rods & tubing.
- 2) PU Cement retainer.
- 3) TIH to 5400 ft.. Set Retainer.
- 4) Roll hole to produced water.
- 5) Set plugs as follows:
 - a) 1 st plug: 5464 to 5050'. 1.5 bbls below retainer and 8.3 bbls above retainer.
 - b) 2 nd plug: 4350 to 4100'.
 - c) 3 rd plug. 2310 to 2110'.
- 6) Perf 5 1/2" 1351'.
- 7) Establish circulation. TIH w./ tbg. Set Cmt. Retainer 1100'.
- 8) Sqz. 17.5 bbls below retainer. Pull out of retainer and cap with 1 bbls cmt.
- 9) Fill 5 1/2" casing and 5 1/2" x 8 5/8" annulus with cmt. from 100 ft to surface.
- 10) Cut casing of 3 ft. below grd. Level . Weld steel cap on stub with name of Operator, Well Name, Location, and API .
- 11) Reclaim location.

RECEIVED
JAN 13 2004

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 1/16/04
Initials: CHO

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed) Kenneth J. Kundrik Title Operations Engineer

Signature Ken Kundrik Date 12/21/2003

THIS SPACE FOR FEDERAL APPROVAL

Accepted by the Utah Division of Oil, Gas and Mining

Office 116104 Date 1/16/04

Federal Approval Of This Action is Necessary

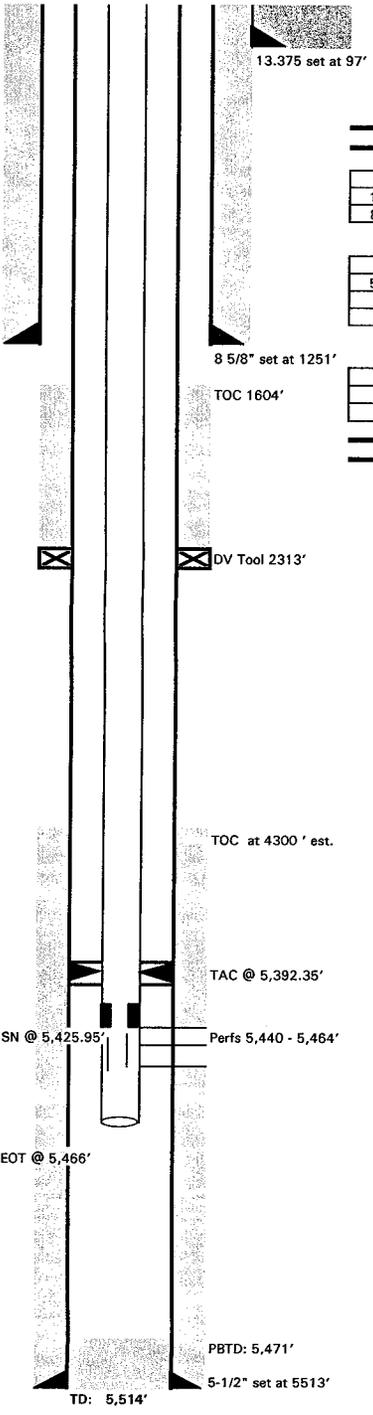
Approved by _____ Title _____ Date _____

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.

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 statement or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

WELL: Navajo Tribal 32-26 COUNTY: San Juan / API #: 4303731036
 FIELD: Greater Aneth STATE: UT SPUD DATE:
 FORMATION: DC/Ismay LOCATION: SW NE, Sec. 26, T40S-R22E
 TD: 5,514' PBTD: 5,471' ELEVATION: GL = 4,352', KB = 4,367'



CASING RECORD

SURFACE CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
13 3/8	68.0#	H-40	ST&C	Surface	97		17 1/2"	190	Surface
8 5/8"	24.0#	J-55	ST&C	Surface	1251		12 1/4"	1206	Surface

PRODUCTION CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
5-1/2"	15.5#	J-55	LT&C	Surface	5,513		7-7/8"	524	4300'
							DV TOOL	2,313'	1604'

LINER

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.

TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.
2-7/8"	6.5#	J-55	8 rd	Surface	5,768'	182	4-3/4"

PERFORATION RECORD

DATE	TOP	BOTTOM	SPF	ZONE	STATUS
Jan-85	5,440'	5,460'	2 spf	D. Creek	Open

TREATMENT

Sqz 8 5/8" x 13 3/8" annulus with 525 sxs Thixset cmt. Pressured to 600 psi shut off water flow. Welded steel plate between 8 5/8" and 13 3/8".

1/17/1985 Perf 5440 - 5464 2 spf treated w/ 3450 gal 28% HCL
 IP 146 BOPD 125 MCF/D

Formations: Chinle 1183'
 DeChelly 2210', Organ Rock 2274', Hermosa 4192', Upper Ismay 5155'
 Lower Ismay 5280, Desert Creek 5371', Chimmney Rock 5492'

REMARKS

Tubing Detail	Rod Detail
175 Jts of 2-7/8", 6.5 # J-55 EUE	5381.25 1 - 1 1/2" x 22' SM
TAC 2 7/8" x 5 1/2"	2.85
1 Jts of 2-7/8", 6.5 # J-55 EUE	30.85 110 - 7/8"
1 - SN	1.1 100 - 3/4"
1 - perf Sub 2 7/8"	7.1
1 Jts 2 7/8" 6.5#/R J-55 EUE	30.85 pump 2 1/2" x 1 1/2" x 16" RHAC
2 7/8" purge valve	1
EOT 5,466' KB	

PU Smaco 228 - 200 - 74 w/ Lister 20 Hp motor

Lease #: NOG 8308-1033 / Navajo Nation 1983 Operating Agreement

MISCELLANEOUS

RIM Wt%:	
BHT:	
BHP:	
EST SITP:	
LOGS:	

CAPACITIES

Tubular Cap.	Bbl/ft	Ft3/ft
	Tubing	0.00579
Casing (15.5 #/ft)	0.02380	0.13360
Annular Cap.		
Tbg x Csg (15.5 #/ft)	0.01580	0.08860
Csg x Open Hole	0.03090	0.17320

TUBULAR GOODS PERFORMANCE

Material	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID (in)	Drift (in)
5-1/2", 15.5# J-55 LT&C	202,000	4,810	4,040	4.950	4.825
2-7/8", 6.5# J-55 8rd Coupling OD = 3.668"	99,660	7,260	7,680	2.441	2.347

Prepared By: KJK
 Date: 02/06/2003
 Updated: 02/06/2003

RIM Southwest Corporation
5 Inverness Drive East
Englewood, Colorado 80112
(303) 799-9828 ext. # 303
(303) 799-4259 (fax)

January 26, 2004

Mr. Stephen Mason
United States Department of the Interior
Bureau of Land Management
Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

Re: Navajo Tribal 32-26 – SW SE sec 26 T 40S R 22E, Lse. NOG-8303-1033
San Juan Co., Utah

Dear Mr. Mason:

Please find enclosed the Subsequent Report to plug and abandon the above well. This well was Plugged & Abandoned January 23, 2004. If you have any question or concerns do not hesitate to contact the undersigned.

Sincerely,



Kenneth J Kundrik
Operations Engineer

CC: BIA Window Rock,
Navajo Nation Minerals Department, Akhtar Zaman Director

State of Utah
Division of Oil, Gas & Mining

RECEIVED
JAN 29 2004
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

FORM APPROVED OMB No. 1004-0135 Expires: January 31, 2004	
5. Lease Serial No.	NOG-8303-1033
6. If Indian, Allottee, or Tribe Name	Navajo Nation
7. If Unit or CA. Agreement Designation	NA
8. Well Name and No.	Navajo Tribal #32-26
9. API Well No.	43-037-31060
10. Field and Pool, or Exploratory Area	Greater Aneth
11. County or Parish, State	San Juan Co., Utah

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator RIM Southwest Corporation	
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) 2455' FSL & 2120' FEL NW SE sec 26 - Twp 40S - Rge 22E	

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"/> 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"/> 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" 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 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 reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

- 1) RU Service Rig, POOH with rods & tubing on 1/20/2004
- 2) PU Cement retainer. TIH to 5400'. Set Retainer. Roll hole to produced water 1/21/04. SDFN
- 3) Established rate below retainer. Pull out to pressure test casing to 500 psi. retainer would not hold. Stung into retainer tested annulus to 500 psi. Held Okay. Pumped 10.5 bbls Cls "B" cement . Stung into Cmt. Retainer well on vaccum. Pull out of Retainer to spot plug on top of retainer. Pulled up 1200 ft. to wait on cement. Well not on vaccum. Took 12 bbls to fill hole before setting setting second plug. Ran to top of cement retainer. Capped w/ 8.3 bbls cment. Watched hole remain full. 1st Plug - 80 sxs Cls "B" 15.6#/gal 5464' to 5050'
- 4) Set second plug 4350' to 4100' pumped 6.3 bbls - 30 sxs Cmt Cls "B" 15.6#/gal
- 5) Set third plug 2310' to 2100' pumped 5 bbls - 24 sxs Cmt Cls "B" 15.6#/gal. SDFN
- 7) Tag plug 2120' w/ wireline on 1/23/2004. Perf 1351 w 4 shots. Set Retainer @ 1100'
- 8) Established circulation with 8 5/8" csg. Pumped 17.5 bbls under retainer and caped w/ 1 bbl. 88 sx Cls "B" 15.6#/gal
- 9) Perf csg. 147'. Establish circulation pumped 10.5 bbls - 50 sxs. Cls "B" Cmt 15.6#/gal to surface 1/23/2004
- 10) Cut casing of 3 ft. below Grd. Level . Weld steel cap on stub with name of Operator, Well Name, Location, and API .
- 11) Will reclaim location in Spring, 2004.

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

Name (Printed/ Typed)

Kenneth J. Kundrik

Title

Operations Engineer

Signature

Ken Kundrik

Date

1/26/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

RECEIVED

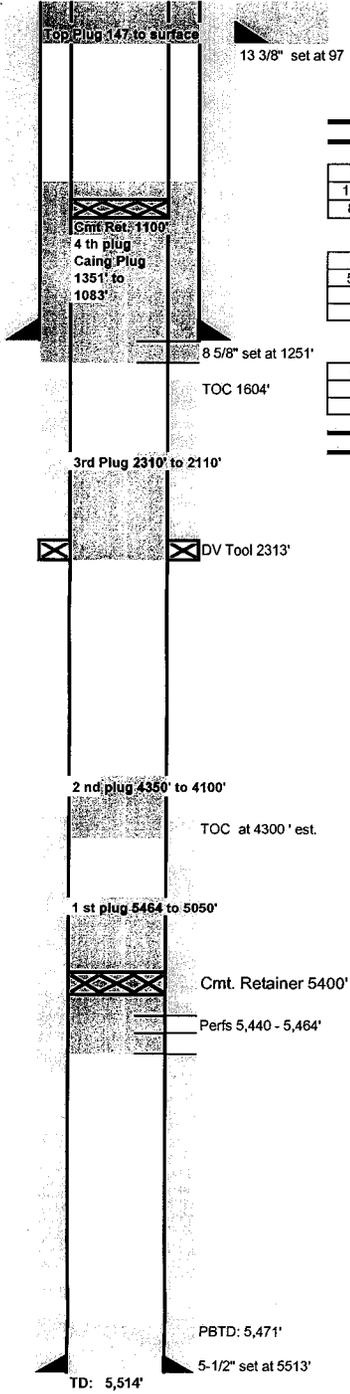
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JAN 29 2004

(Instructions on reverse)

DIV. OF OIL, GAS & MINING

WELL: Navajo Tribal 32-26 COUNTY: San Juan / API #: 4303731060
 FIELD: Greater Aneth STATE: UT SPUD DATE:
 FORMATION: DC/Ismay LOCATION: NW SE, Sec. 26, T40S-R22E
 TD: 5,514' PBDT: 5,471' ELEVATION: GL= 4,352', KB= 4,367'



CASING RECORD

SURFACE CASING									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
13 3/8"	68.0#	H-40	ST&C	Surface	97		12 1/4"	224	Surface
8 5/8"	24.0#	J-55	ST&C	Surface	1251		12 1/4"	1206	Surface

PRODUCTION CASING									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.
5-1/2"	15.5#	J-55	LT&C	Surface	5,513		7-7/8"	524	4300'
						DV TOOL	2,313'	413	1604'

LINER									
O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SX CMT.	TOP CMT.

TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.
2-7/8"	6.5#	J-55	8 rd	Surface	5,768'	182	4-3/4"

PERFORATION RECORD

DATE	TOP	BOTTOM	SPF	ZONE	STATUS
Jan-85	5,440'	5,460'	2 spf	D. Creek	Open

TREATMENT

Sqz 8 5/8" x 13 3/8" annulus with 525 sxs Thixset cmt. Pressured to 600 psi shut off water flow. Welded steel plate between 8 5/8" and 13 3/8".

1/17/1985 Perf 5440 - 5464 2 spf treated w/ 3450 gal 28% HCL
 IP 146 BOPD 125 MCF/D
 Formations: Chinle 1183'
 DeChelly 2210', Organ Rock 2274', Hermosa 4192', Upper Ismay 5155'
 Lower Ismay 5280, Desert Creek 5371', Chimney Rock 5492'
 P & A - 1/23/2004

REMARKS

2455' FSL & 2120' FEL Surface Location --- 2130' FNL & 1980' FEL Surface Location
 PU Smaco 228 - 200 - 74 w/ Lister 20 Hp motor
 Lease #: NOG 8308-1033 / Navajo Nation 1983 Operating Agreement

MISCELLANEOUS

RIM Wt%:	
BHT:	
BHP:	
EST SITP:	
LOGS:	

CAPACITIES

Tubular Cap.	Bbl/ft	Ft3/ft
	Tubing	0.00579
Casing (15.5 #/ft)	0.02380	0.13360
Annular Cap.	Bbl/ft	Ft3/ft
	Tbg x Csg (15.5 #/ft)	0.01580
Csg x Open Hole	0.03090	0.17320

TUBULAR GOODS PERFORMANCE

Material	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID (in)	Drift (in)
5-1/2", 15.5# J-55 LT&C	202,000	4,810	4,040	4.950	4.825
2-7/8", 6.5# J-55 8rd Coupling OD = 3.668"	99,660	7,260	7,680	2.441	2.347

Prepared By: KJK
 Date: 02/06/2003
 Updated: 02/06/2003

TOTAL P.02



P. O. BOX 302
FARMINGTON, NEW MEXICO 87409

CEMENT JOB DETAIL SHEET

CUSTOMER Rim Operating	DATE 1-22-04	F.R.S. 70045706	SER. SUP. Chris Bigsby	TYPE JOB Well
LEASE & WELL NAME - OCSG Muonio Tr/byl #9296	LOCATION Sec 26 T 40S R 22 E	COUNTY Sandoval, NM		
DRILLING CONTRACTOR RIG #	OPERATOR			

MATERIAL FURNISHED	TYPE OF PLUGS		LIST CSG HARDWARE	SO MANY FOLD Y/N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP BTM					SLURRY WEIGHT PPG	SLURRY YIELD FT ³	WATER GPM	PUMP TIME HR: MIN	BM SLURRY	BM MIX WATER
50 SX class "B" Neat Cement (Bucket down hole)					5380	15.6	1.18	5.2	6	10.5	6.2
30 SX class "B" Neat Cement (Reverse) out					4100	15.6	1.18	5.2	10	6.3	3.7
40 SX class "B" Neat Cement (Spot on Rev.)					5050	15.6	1.18	5.2	4	8.5	5
30 SX class "B" Neat Cement					4100	15.6	1.18	5.2	3	6.3	3.7
24 SX class "B" Neat Cement					200	15.6	1.18	5.2	2	5	3

Available Mix Water Bbl. **40** Available Dept. Fluid Bbl. **40** TOTAL **30.6 21.6**

HOLE				TDC CSG-O.P.				TDC CSO-D.P.				COLLAR DEPTHS		
SIZE	% LOSS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STANG	
			2 7/8	6.5		5380	5/2	15.5	J-55	5400				

LAST CASING				PICK-UP NET BR PL-LINER				PERF DEPTH		TOP CONN.		WELL FLUID	
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT		
							5380		2 7/8		420		8.7

CAL. DISPL. VOL. BBL.			CAL. PSI		OP. MAX PSI		MAX TRG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE
TRG	CSG	CSO	TOTAL	BUMP PLUG	TO REV.	NO PSI	RATED	OP	RATED	OP	TYPE	WGT	
56.3			56.3					2000		2000	H2O	8.33	H2O Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG., ETC., PRIOR TO CEMENTING:

PRESSURE RATE DETAIL						EXPLANATION	
TIME HR: MIN	PRESSURE - PSI		RATE BPM	BM FLUID PUMPED	FLUID TYPE	SAFETY MEETING: CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	PSI
0800	300		3	120	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0930	500		1.5	22	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0957			2.5	3	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1004	100		2.5	10.5	CMT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1012	100		2.5	38	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1030	500		2.5	12	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1040	400		2.5	8.3	CMT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1250	250		3	14	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1330	400		2.5	8	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1340	400		2	8.5	CMT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1344	500		2.5	27.5	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1434	300		2	6	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1442	250		2	6.3	CMT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1445	100		3	22.5	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1545	300		2.5	8.5	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1558	500		2.5	8	CMT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1600	400		3	11	H2O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNING/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. Chris Bigsby
Y N		Y N	319.10				CUSTOMER Bobby Higgins



P. O. BOX 302
FARMINGTON, NEW MEXICO 87499

CEMENT JOB DETAIL SHEET

CUSTOMER: Rim Operating DATE: 1-23-03 F.R.#: 70045725 SER. SUP.: Chris Bigley TYPE JOB: 5 1/2" P&A
 LEASE & WELL NAME - OCSG: N. A. U. 910 Tribal # 32-26 LOCATION: Sec 26 T405R 22E COUNTY: SAN JUAN, UT
 DRILLING CONTRACTOR RIG #: _____ OPERATOR: _____

MATERIAL FURNISHED	TYPE OF PLUGS	LIST CSG HARDWARE	SQ MANI FOLD Y N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
					SLURRY WEIGHT PPG	SLURRY YIELD FT ³	WATER GPG	PUMP TIME HR: MIN.	Bbl SLURRY	Bbl MIX WATER
88 5X class 'B' Neop					15.6	1.18	5.2	13	18.5	11
50 5X class 'B' Neop					15.6	1.18	5.2	5	10.8	6.2

Available Mix Water Bbl: 40 Available Dtopl. Fluid Bbl: 40 TOTAL: 29 17.2

HOLE			TBG-CSG-D.P.				TBG-CSG-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
			2 7/8	6.5		1100	3 1/2	15.5	J-55	5400'			

LAST CASING			PKR-CMT NET-DR PL-LINER		PERF DEPTH		TOP CONN.		WELL FLUID		
SIZE	WGT.	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT
8 7/8	24.00	1251			1100		1351	2 7/8		H2O	8.35

CAL DISPL VOL. Bbl.				CAL. PSI		CAL. MAX. PSI		OP. MAX.		MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE	
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	OP. MAX	SG PSI	RATED	OF	RATED	OF	TYPE	WGT	WATER SOURCE			
5.4			5.4					2000		2000		H2O	8.33	H2O Truck			

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG., ETC., PRIOR TO CEMENTING:

PRESSURE RATE DETAIL

TIME HR: MIN.	PRESSURE - PSI		RATE BPM	Bbl FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	ANNULUS				
0818	600		1.5	10	H2O	Circulate well
0904	600		1.5	1.5	H2O	Est. Rate
0911	700		2	18.3	CMT	Pump Cmt
0924	500		2	5.4	H2O	Pump Disp
1024	1500		1	4.5	H2O	Circulate well
1032	1400		1.5	10.8	CMT	Pump Cement

BUMPED PLUG: Y N PSI TO BUMP PLUG: _____ TEST FLOAT EQUIP.: Y N TOTAL Bbl. PUMPED: 50.4 Bbl. CMT RETURNS/ REVERSED: _____ PSI LEFT ON CSG: _____ SPOT TOP CEMENT: Surface SER. SUP.: Chris Bigley CUSTOMER REP.: Robert Higgins

