



STATE OF UTAH
NATURAL RESOURCES
Water Rights

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

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

RECEIVED
FEB 05 1990

February 1, 1990

DIVISION OF
OIL, GAS & MINING

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

Re: 1) Tower #1: NW4SE4 Sec. 1, T40S, R25E, SLB&M
2) Big Bend #1: NE4NE4 Sec. 7, T40S, R26E, SLB&M
3) Ismay Extension #1: NE4SE4 Sec. 12, T40S, R25E, SLB&M

Dear Mr. Barnes: *New loc. 40S25E Sec. 8 NWNW Payon mesa 8-D-1 replaces cancelled APD.*

This letter will serve as authorization from this office to proceed with the drilling at the three noted locations. Drilling and main water will be hauled to the sites by Hay Hot Oil Inc. under their water right #09-1419 (A60809). It is anticipated that 0.90 acre feet of water will be required at each location.

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

Sincerely,

Mark

Mark P. Page
Area Engineer

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

MPP/mjk

* D. Barnes send written notice to water rights 2-14-90.
* Verbal approval from Mark Page 2-14-90. Jct



CHUSKA ENERGY COMPANY

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

February 6, 1990

RECEIVED
FEB 12 1990

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

DIVISION OF
OIL, GAS & MINING

RE: Application for Permit to Drill the Cajon Mesa 8-D-1, San Juan County, Utah.

Gentlemen,

Attached for your examination and approval is the original and two copies of the Application for Permit to Drill the Cajon Mesa 8-D-1 well in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

This well has been staked 40 ft outside of the 40 acre Utah State spacing window in order to position the well bore to penetrate a geologic structure that has been identified by seismic interpretation. Chuska Energy Company controls all of the surrounding acreage in section 8 and in the adjacent sections. Attached is a base map showing the Cajon Mesa 8-D-1 and the area of interest.

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

Sincerely,

H. Merle Myers

H. Merle Myers
Vice President - Production

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

2. NAME OF OPERATOR
 Chuska Energy Company

3. ADDRESS OF OPERATOR
 315 North Behrend, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 420' FNL x 612' FWL (NWNW)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 miles north of Aneth, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 420'

18. NO. OF ACRES IN LEASE
 50,000

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5,000'

19. PROPOSED DEPTH
 6,300' Akah

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5139' GR 5153' KB

22. APPROX. DATE WORK WILL START*
 4-15-90

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	500	370 sks (424 cf)
7 7/8	5 1/2	15.5	6300	670 sks (1066 cf)

See attached 10 point plan and detailed prognosis

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

24. SIGNED Donald S. Barnes (505) 326-5525 TITLE Operations Manager DATE 2-7-90

(This space for Federal or State office use)

PERMIT NO. 43-037-31497 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 2-20-90

CONDITIONS OF APPROVAL, IF ANY: _____ BY: John R. Dupa WELL SPACING: PA15-3-3

*See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN PLUG BACK

b. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Chuska Energy Company

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)
 At surface
420' ENL x 612' FWL
At proposed prod. zone

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

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)
420'

13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
5000'

21. Elevations (Show whether DF, RT, GR, etc.)
5139' GR 5153' KB

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4	8 5/8	24	500	370 sks (424 cf)
7 7/8	5 1/2	15.5	6300	670 sks (1066 cf)

See attached prognosis

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

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

Signed Robert R. Barnes for Donald S. Barnes Title Operations Manager Date 2-7-90

(This space for Federal or State office use)

APT NO. _____ Approval Date _____

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

*See Instructions On Reverse Side

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

6. If Indian, Allottee or Tribe Name
 Navajo Tribal

7. Unit Agreement Name

8. Farm or Lease Name
 Garden Mesa

9. Well No.
 810 - 1

10. Field and Pool, or Wildcat
 Aneth

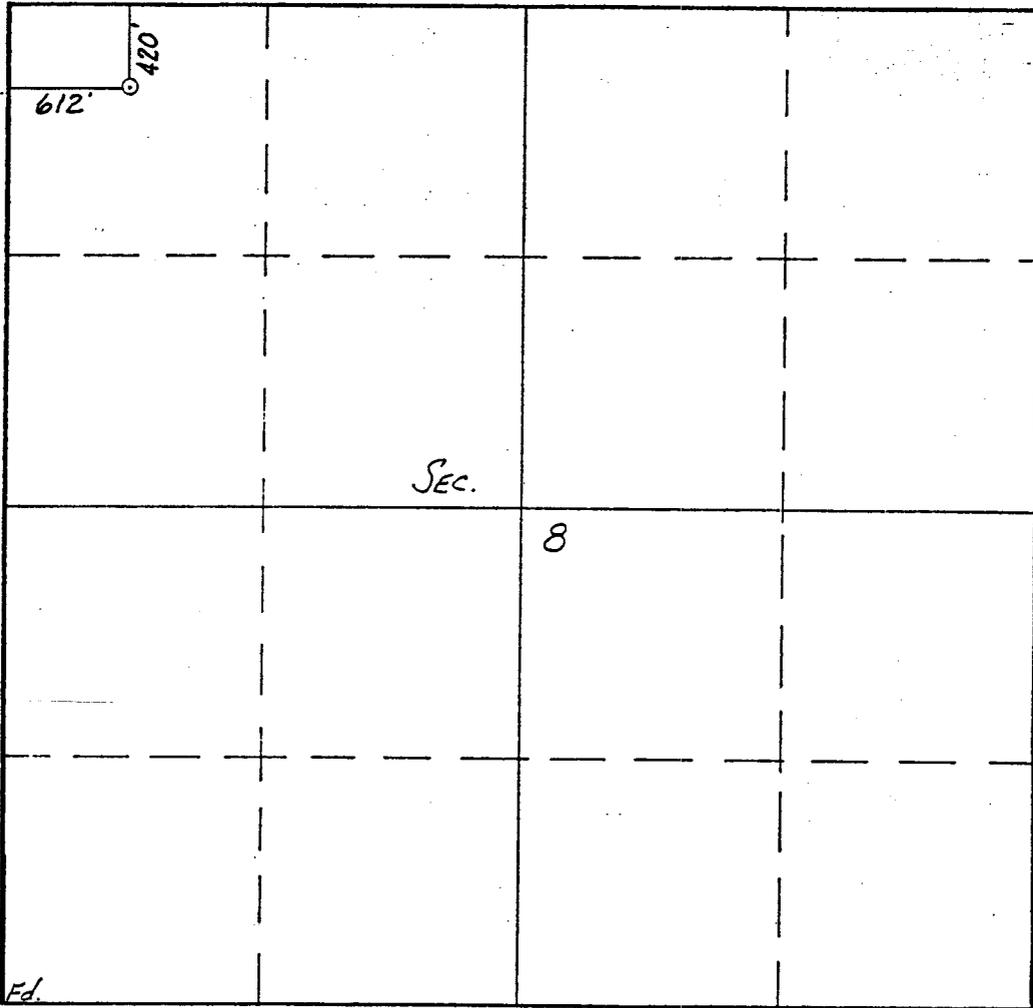
11. 00. Sec., T., R., M., or Blk. and Survey or Area
 Sec. 8, T40S, R25E

12. County or Parrish
 San Juan

13. State
 Utah

RECEIVED
 FEB 12 1990
 DIVISION OF
 OIL, GAS & MINING

COMPANY CHUSKA ENERGY COMPANY
 LEASE Cajon Mesa 8-d-1
~~WEST ISMAY 8D~~ WELL NO. 1
 SEC. 8, T. 40 S, R. 25 E
 COUNTY San Juan STATE Utah
 LOCATION 420'FNL & 612'FWL
 ELEVATION 5139

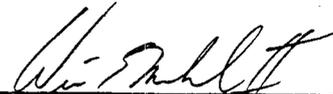


SCALE: 1" = 1000'

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

SEAL:

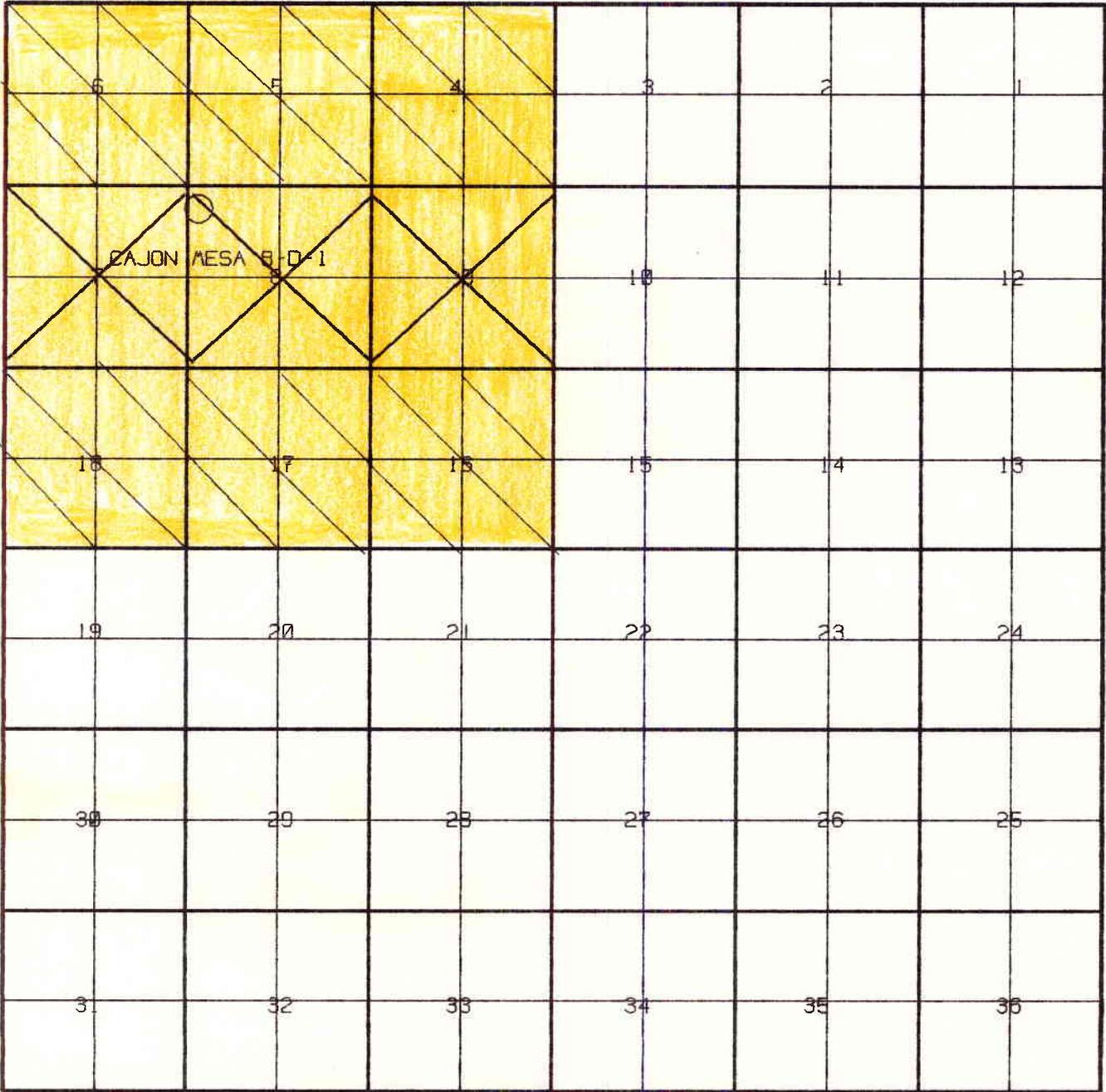



 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. N° 8466

SURVEYED JAN. 29 1990

MAP LEGEND

-  CECO ACREAGE
-  FARM-IN OPTION
-  DYCO ETAL
-  CECO CONTROLLED ACREAGE
- 



CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Cajon Mesa No. B-D-1
420' FNL, 612' FWL
Section 8, T40S, R25E
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation; Dakota.

2. ELEVATION

Surface elevation; 5139' GR, 5153' KB.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>	
Surface	Dakota	+ 5139'	
64'	Morrison	+ 5089'	
1238'	Navajo	+ 3915'	
1928'	Chinle	+ 3225'	
2978'	DeChelly	+ 2175'	
3153'	Organ Rock	+ 2000'	
3843'	Cedar Mesa	+ 1310'	
4949'	Hermosa	+ 204'	Oil/Gas
5896'	Upper Ismay	- 743'	Oil/Gas
5999'	Lower Ismay	- 846'	Oil/Gas
6071'	Desert Creek	- 918'	Oil/Gas
6198'	Akah	- 1045'	
6300'	Total Depth	- 1147'	

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24.0 ppf	K-55	STC
Production:	6300'	5 1/2"	15.5 ppf	K-55	STC

Surface Cementing:

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

Production Cementing:

First Stage

TD to 3500' (stage collar @ + 3500'). Lead with 200 sx Class 'G' cement, 65:35 Pozmix with 6% gel and ¼ lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 450 ft³.

Second Stage

3500' to surface. Lead with 270 sx Class 'G' cement, 65:35 Pozmix with 6% gel and ¼ lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 616 ft³.

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

5. BLOWOUT PREVENTER (See attached schematics)

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

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

6. PROPOSED MUD PROGRAM

Surface to 3500'

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

3500' to Total Depth

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

7. AUXILIARY EQUIPMENT

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

8. WELL EVALUATION

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

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

9. ABNORMAL PRESSURES/GAS

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

10. TIMING

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

DETAILED DRILLING PROGRAM

DATE: February 7, 1990

WELL NAME: Cajon Mesa WELL NO.: 8-D-1

LOCATION: 420' FNL, 612' FWL
Section 8, T40S, R25E
San Juan County, Utah

ELEVATION: 5139' GR, 5153' KB

TOTAL DEPTH: 6300'

PROJECTED HORIZON: Upper Ismay at 5896', Lower Ismay at 5999'
Desert Creek at 6071'

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12¼" hole to + 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500'. Deviation surveys will be run at 250' and at casing point.
4. Run 8 5/8", 24 ppf, K-55, STC casing to TD. Cement with 370 sx (424 ft³) of Class 'G' cement with 2% CaCl₂ and ¼ lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Pressure test BOP to 2000 psi for 30 minutes. Pressure test manifold and all related equipment to 2000 psi. Pressure test casing to 1500 psi for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to TD. Deviation surveys are to be taken every 500' or on bit trip whichever occurs first. Maximum allowable deviation will be 5° at TD with the maximum allowable rate of change to be 1°/100'.
8. Run open hole logs and evaluate. Drill stem test as per wellsite geologist's recommendation.

9. If well is determined to be commercial, run 5½", 15.5 ppf, K-55, STC casing to TD. Set stage cementing collar at + 3500'. Cement in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5½" casing slips, cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

EXHIBIT A

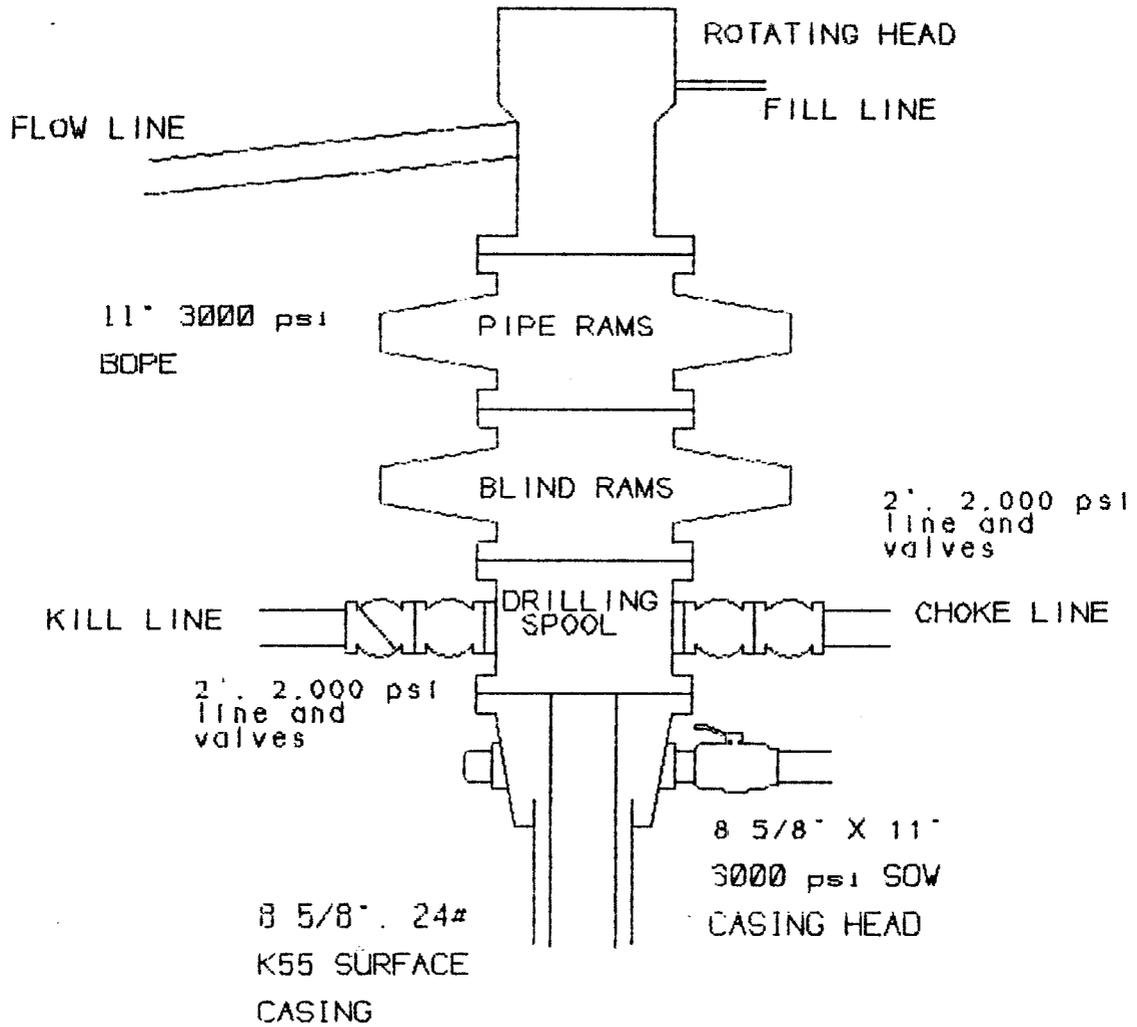
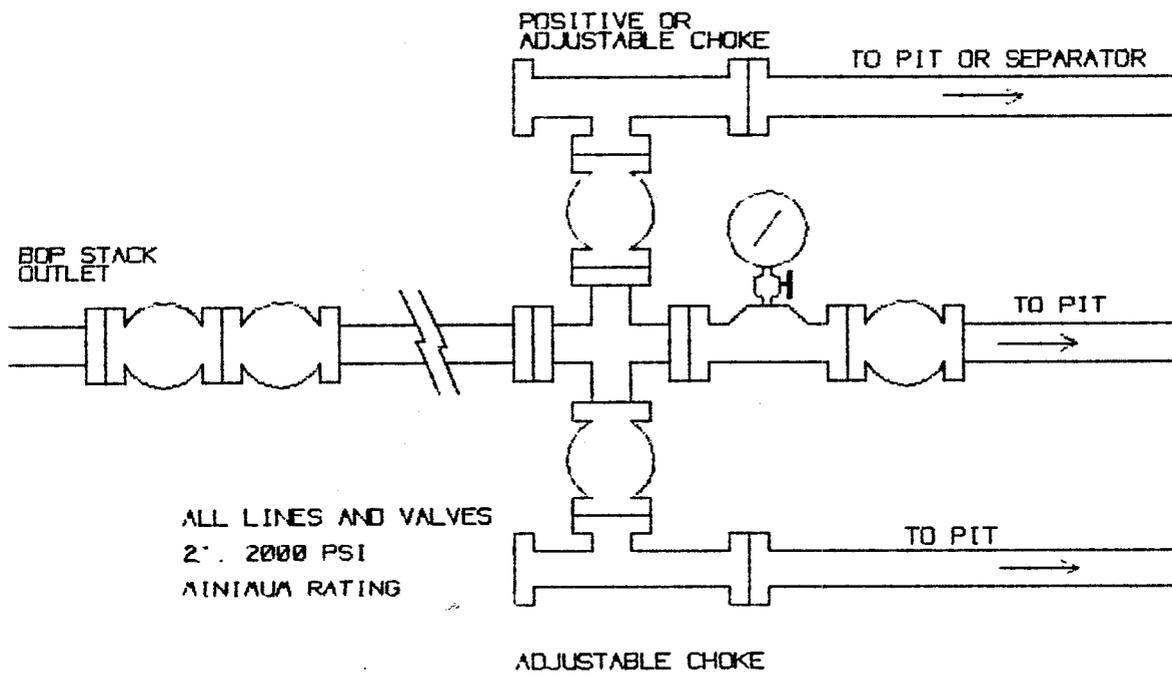


EXHIBIT B - CHOKE MANIFOLD



Cajon Mesa No. 8-D-1
Section 8, Township 40S, Range 25E
420' FNL, 612' FWL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

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

PLUGGING AND ABANDONMENT

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

Cajon Mesa No. 8-D-1
Section 8, Township 40S, Range 25E
420' FNL, 612' FWL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed from Aneth, following the Hovenweep Road (exhibit 1). Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD (SHOWN IN RED)

The access road as shown on the attached topographic map will exit from the Hovenweep Road. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Approximately 250 ft of new road will be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other wells or facilities in the area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

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

5. LOCATION & TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

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

7. METHODS OF HANDLING WASTE MATERIAL

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

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

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on an southwest/northeast trend requiring 10' of cut on the west corner and 19' of fill on the east corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

11.

OPERATORS REPRESENTATIVE

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

12. CERTIFICATION

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


DONALD S. BARNES
Operations Manager

OPERATOR Chuska Energy Company (19290) DATE 2-13-90
WELL NAME Cajon Mesa 8-D-1
SEC NWNW 8 T 40S R 25E COUNTY San Juan

43-037-31497
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Water Permit 09-1419 / A60809 (Hot Pot Oil Inc.) see comments on copy
request for exception location received 2-12-90.

APPROVAL LETTER:

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

STIPULATIONS:

CC: BIA
CONFIDENTIAL
PERIOD
EXPIRED
ON 7-30-91



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

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

February 20, 1990

Chuska Energy Company
315 North Behrend
Farmington, New Mexico 87401

Gentlemen:

Re: Cajon Mesa 8-D-1 - NW NW Sec. 8, T. 40S, R. 25E - San Juan County, Utah
420' FNL, 612' FWL

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

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

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

Page 2
Chuska Energy Company
Cajon Mesa 8-D-1
February 20, 1990

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

The API number assigned to this well is 43-037-31497.

Sincerely,



R. J. Eirth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
D. R. Nielson
J. L. Thompson
WE14/1-2



STATE OF UTAH
NATURAL RESOURCES
Water Rights

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

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-4308

RECEIVED
FEB 22 1990

February 21, 1990

DIVISION OF
OIL, GAS & MINING

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

Re: Cajon Mesa No. 1 (NW4NW4 Sec. 8, T40S, R25E, SLB&M)

43-037-31497 - DAL

Dear Mr. Griffiee:

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

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

Sincerely,

Mark P. Page
Area Engineer

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

MPP/mjk

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

127
 COMPANY: Chuska Energy Co. COMPANY MAN: Kenny Hays
 WELL NAME: Cajon mesa 8-D-1 API #: 43-037-31497
 QTR/QTR: NW/NW SECTION: 8 TWP: 40S RANGE: 25E
 CONTRACTOR: Aztec 184 PUSHER/DRLR: _____
 INSPECTOR: Glenn DATE: 4/3/90 OPERATIONS: Drilling Surface
 SPUD DATE: 9⁰⁰ PM 4/2/90 TOTAL DEPTH: 300'

DRILLING AND COMPLETIONS

APD WELL SIGN BOPE RESERVE PIT
 FLARE PIT BURN PIT _____ H2S BLOOIE LINE
 SANITATION HOUSEKEEPING _____ VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL

PERFORATIONS: _____

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: _____ SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: Drilling Surface hole - and meeting with
Indians on loc Due to protest

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31497

SPUDDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY

WELL NAME: CAJON MESA 8D#1

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

DRILLING CONTRACTOR AZTEC

RIG # 184

SPUDDED: DATE 4/2/90

TIME 1900 hrs

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY DON BARNES

TELEPHONE # 505-326-5525

DATE 4/4/90 SIGNED TAS



CHUSKA ENERGY COMPANY

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

RECEIVED
APR 06 1990

DIVISION OF
OIL, GAS & MINING

3 April 1990

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

Ref: Sundry Notice/Entity Action Form: Cajon Mesa 8D-1 - Spud

Gentlemen

attached you will find the original and two copies of the subject Sundry Notice and Entity Action Form.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\CAJMESA.8D\SPUDSUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

N00-C-14-20-5297

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cajon Mesa 8D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

S8 T40S R25E

12. COUNTY

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
315 North Behrend, Farmington, New Mexico 87401

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

See also space 17 below.
At surface

420' FNL, 612' FWL

At proposed prod. zone

Same

14. API NO.
43-037-31497

15. ELEVATIONS (Show whether OF, AT, GR, etc.)
5,139' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF FULL OR ALTER CASING
 FRACTURE TREAT MULTIPLE COMPLETE
 SHOOT OR ACIDIZE ABANDON
 REPAIR WELL CHANGE PLANS
 (Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF REPAIRING WELL
 FRACTURE TREATMENT ALTERING CASING
 SHOOTING OR ACIDIZING ABANDONMENT*
 (Other) Spud

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION 4-2-90

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

* Must be accompanied by a cement verification report.

Spudded well 1900 hrs, 4-2-90. Drilling 12 1/4" hole. Using Aztec Well Service Rig #184. As per verbal advice Don Barnes to Tammy Searing, 1015 hrs, 4-3-90.

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

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

SIGNED Donald S. Barnes

TITLE Operations Manager

DATE 4-3-90

(This space for Federal or State office use)

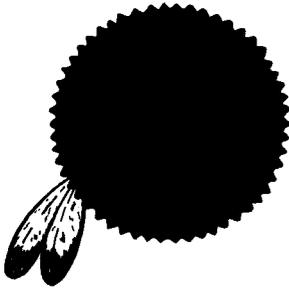
APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

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

RECEIVED
APR 06 1990

DIVISION OF
OIL, GAS & MINING

3 April 1990

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

Ref: Sundry Notice/Entity Action Form: Cajon Mesa 8D-1 - Spud

Gentlemen

attached you will find the original and two copies of the subject
Sundry Notice and Entity Action Form.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\CAJMESA.8D\SPUDSUN.CVR

encl.

ENTITY ACTION FORM - FORM 6

OPERATOR Chuska Energy Company
ADDRESS 315 North Behrend
Farmington, NM 87401

OPERATOR ACCT. NO. N 9290

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11074	43-037-31497	Cajon Mesa 8D-1	NWNW	8	40S	25E	San Juan	4-2-90	
WELL 1 COMMENTS: Spudded well at 1900 hrs, 4-2-90, with Aztec Well Service Rig #184. Drilling 12 1/4" hole. New Well.											
WELL 2 COMMENTS: Indian-Lease Field-Undesignated Unit-N/A Proposed Zone - Akah (New entity 11074 added 4-10-90) fer											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

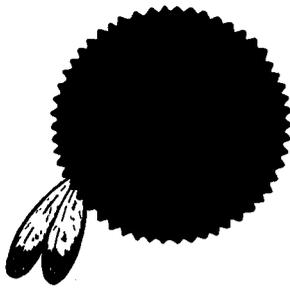
NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED
APR 06 1990

DIVISION OF
OIL, GAS & MINING

[Signature]
Signature
Operations Manager 4-3-90
Title Date
Phone No. (505) 326 5525



CHUSKA ENERGY COMPANY

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

RECEIVED
APR 09 1990

5 April 1990

DIVISION OF
OIL, GAS & MINING

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

Ref: Sundry Notice: Cajon Mesa 8D-1 - Surface Casing

Gentlemen

attached you will find the original and two copies of the subject Sundry Notice.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/csw
File: C:\WP\CSWH\CAJMESA.8D\SFCSGSUN.CVR

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
APR 09 1990

DIVISION OF
SUNDRY NOTICES AND REPORTS ON OIL, GAS & MINING
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION & SERIAL NO. NOO-C-14-20-5297	
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. ADDRESS OF OPERATOR 315 North Behrend, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 420' FNL, 612' FWL At proposed prod. zone: Same		8. FARM OR LEASE NAME Cajon Mesa 8D	
14. API NO. 43-037-31497		9. WELL NO. 1	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5,139' GR		10. FIELD AND POOL OR WILDCAT Wildcat	
		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA S8 T40S R25E	
		12. COUNTY San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Surface Casing</u> <input checked="" type="checkbox"/>	
(Other) _____		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION <u>4 4 90</u>	

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

* Must be accompanied by a cement verification report.

Drilled 12 1/4" hole to 524'. Rigged up and ran 12 joints (523.85') 8 5/8", 24 lb/ft, K-55 casing and landed at 519'. Cemented with 370 sx Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Circulated 19 bbl cement to surface.

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

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 4-5-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

DRL



CHUSKA ENERGY COMPANY

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

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

RECEIVED
APR 30 1990

April 25, 1990

DIVISION OF
OIL, GAS & MINING

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

RE: Sundry Notice: Cajon Mesa 8 D 1
Production Casing

Gentlemen:

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

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

Sincerely,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosures
File:DSB\CMESASU.8D1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1. LEASE DESIGNATION & SERIAL NO.

NOO-C-14-20-5297

2. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal
UNIT AGREEMENT NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

3. OIL WELL GAS WELL OTHER

RECEIVED
APR 30 1990

4. NAME OF OPERATOR

Chuska Energy Company

5. ADDRESS OF OPERATOR

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

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

At surface 420' FNL, 612' FWL

At proposed prod. zone

7. FARM OR LEASE NAME

Cajon Mesa 8 D

8. WELL NO.

1

9. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 8, T40S, R25E

11. COUNTY

San Juan

12. STATE

Utah

13. API NO.

43-037-31497

14. ELEVATIONS (Show whether OF, AT, GR, etc.)

5153 KD

15.

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 COMPLETS

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Production Casing

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Ran 141 joints (6260') of 5 1/2" 15.5# K-55 St&C casing equipped with Davis lynch guide shoe, differential float collar and stage collar, casing set at 6250', Dv @ 3495', cement first stage with 470 sx light cement followed with 270 sx Class G cement. PD 1730, 04-18-90, circ-W.O.C. 4 hrs - circulated 31 bbls cement to surface.

Cement second stage with 780 sx light cement followed with 100 sx Class G with 2% CaCl - PD - 2315 hours 04-18-90 - circulated 39 bbls. of cement to surface.

NDBOP - release Aztec Well Service Rig 184 0200 hours - 04-20-90.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1- IAS	
2- MICROFILM <input checked="" type="checkbox"/>	
3- FILE	

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

SIGNED

Donald S. Barnes
DONALD S. BARNES

TITLE

Operations Manager

DATE

4-25-90

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

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

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

RECEIVED
APR 30 1990

DIVISION OF
OIL, GAS & MINING

April 25, 1990

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

RE: Sundry Notice: Cajon Mesa 8 D 1
Operations 4-5 to 4-17-90

Gentlemen:

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

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

Sincerely,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosures
File:DSB\CMESAOP.8D1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMITS AND REPORTS")

RECEIVED
APR 30 1990

1. LEASE DESIGNATION & SERIAL NO. NOO-C-14-20-5297	
2. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo Tribal	
3. UNIT AGREEMENT NAME	
4. FARM OR LEASE NAME Cañon Mesa 8 D	
5. WELL NO. 1	
6. FIELD AND POOL, OR WILDCAT Wildcat	
7. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec. 8, T40S, R25E.	
8. API NO. 43-037-31497	9. ELEVATIONS (Show whether OF, AT, OR, etc.) 5153 KB
10. COUNTY San Juan	11. STATE Utah

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

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

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

* Must be accompanied by a cement verification report.

04-05 to 04-17-90

Drill 7 7/8" production hole to a total depth of 6252'. Ran full suite of logs Micro-scan, Litho Density, DLL-MSFL, Caliper, Gamma Ray and Sonic - 20 side wall cores were taken and sent to Denver for analysis. Detailed results will be on Completion Report. No problems were encountered while drilling this well.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
IFAS	
2- MICROFILM 4-25-90	
3- FILE	

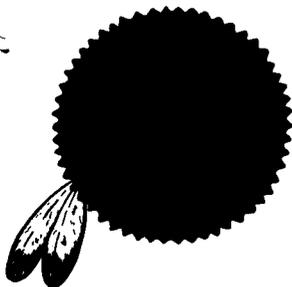
14. I hereby certify that the foregoing is true and correct

SIGNED Donald S. Barnes TITLE Operations Manager

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____



CHUSKA ENERGY COMPANY

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

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

May 1, 1990

RECEIVED
MAY 07 1990

State of Utah
Division of Oil, Gas and Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

RE: Cajon Mesa 8-D-1 Location

Gentlemen:

As per our telephone discussion, I am sending you a copy of the preliminary test results of the first sale of oil from the Desert Creek formation.

A Completion Report is being prepared at this time and will be mailed soon.

Thanks for your assistance.

Sincerely,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosure
File:DSB\OIL1SACA.8D1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1. LEASE DESIGNATION & SERIAL NO.

400-C-14-20-5297

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

4. FARM OR LEASE NAME

Cajon Mesa 8D

3. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA

Sec. 8, T40S, R25E

12. COUNTY

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
MAY 07 1990

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 420' FNL and 612' FWL
At proposed prod. zone

14. API NO.
43-037-31497

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5153 KB

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 COMPLETS
ABANDON
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Report first sale of oil to Giant Refining Company on April 30, 1990.
Prestesting of well's Desert Creek zone.
Preflow test FTP 1270, 32/64 ck. 458 BOPD, 5404 MCFD.
Report to Wayne Townsend of the BLM on May 1, 1990.

OIL AND GAS	
DRN	RJF
JRB	GLH
DT	SLS

1-TAS	<input checked="" type="checkbox"/>
2-MICROFILM	<input checked="" type="checkbox"/>
3-FILE	<input checked="" type="checkbox"/>

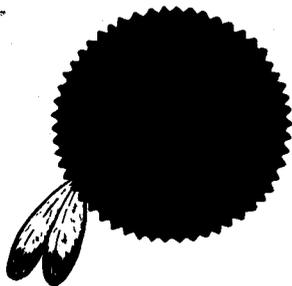
18. I hereby certify that the foregoing is true and correct

SIGNED Donald S. Barnes TITLE Operations Manager DATE 5-1-90

(This space for Federal or State Office use)

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

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

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

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

May 1, 1990

RECEIVED
MAY 07 1990

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

RE: Entity Action Form - Cajon Mesa 8 D 1

Gentlemen:

Enclosed you will find corrected Entity Action Form on the above-referenced well for your files. We inadvertently used an incorrect API number. Previously the number used was 43-037-31513. The number that should have been used is 43-037-31497.

Please accept our apology for any inconvenience this may have caused.

Sincerely,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosure
File:DSB\CORENCAJ.8D1

RECEIVED
MAY 07 1990

OPERATOR Chuska Energy Company

OPERATOR ACCT. NO. N 9290

ADDRESS P. O. Box 780

Farmington, New Mexico 87499

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	DIVISION OF OIL, GAS & MINING	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
						QQ	SC	TP	RG	COUNTY		
	11074		43-037-31497		Cajon Mesa 8 D 1		8	40S	25E	San Juan	4-2-90	

WELL 1 COMMENTS:
Spudded well: 1900 hrs. 4-2-90. Drilling 12 1/4" hole. As per verbal notification to Ken Townsend/Mark Kelly from Don Barnes, 0805 hrs. 4-3-90. Using Aztec Well Service Rig #184.

--	--	--	--	--	--	--	--	--	--	--	--	--

WELL 2 COMMENTS: ** No entity change needed! See*

--	--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--	--

WELL 4 COMMENTS:

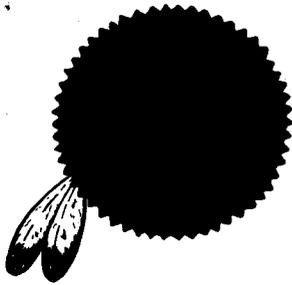
--	--	--	--	--	--	--	--	--	--	--	--	--

WELL 5 COMMENTS:

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

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

Donald S. Barnes
Signature Donald S. Barnes
Operations Manager 5-1-90
Title Date
Phone No. (505) 326-5525



CHUSKA ENERGY COMPANY

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

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

RECEIVED
MAY 10 1990

May 7, 1990

DIVISION OF
OIL, GAS & MINING

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

RE: Well Completion Report - Cajon Mesa 8-D-1

Gentlemen:

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

Please advise if you require any additional information concerning this.

Sincerely

DONALD S. BARNES *DSB*
Operations Manager

DSB:bnp
Enclosures
File: DSB\COMPCAJ.8N1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

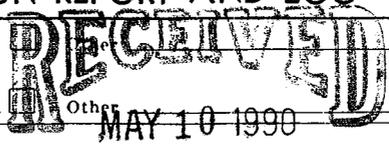
(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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



2. NAME OF OPERATOR
Chuska Energy Company

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

DIVISION OF
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
420' FNL - 612' FWL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
N00-C-14-20-5297

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cajon Mesa 8 D

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Aneth

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

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO. DATE ISSUED
API #43-037-31497/2-20-90

15. DATE SPUDDED 04-02-90 16. DATE T.D. REACHED 04-20-90 17. DATE COMPL. (Ready to prod.) 04-30-90 18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 5153 KB 19. ELEV. CASINGHEAD 5139

20. TOTAL DEPTH, MD & TVD 6252 21. PLUG, BACK T.D., MD & TVD 6194 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Desert Creek - 6080-6084 (4') 4SPF - 6096-6128 (32') 4SPF 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Microlog, DLL-MSFL, LDT-CNL-GR, Sonic, Sidewall Core Tool CBL 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	505	12 1/4	370 sx. Class G 2% CaCl	
5 1/2	15.5	6250	7 7/8	2 stage -(1st) 470 sx Lite, 270 sx G (2nd) 780 sx Lite	
				100 sx G	

OIL AND GAS

1-TAS

2- MICROFILM

3- FILE PRODUCTION

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	PACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
			GLH			
			SLS			

31. PERFORATION RECORD (Interval, size and number)
6084 - 84 - 4 SPF
6096 - 6128 - 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 6084-6128 AMOUNT AND KIND OF MATERIAL USED 7200 gallons 28% MSR-100 acid

33.* DATE FIRST PRODUCTION 04-28-90 PRODUCTION METHOD Flowing gas lift pumping size and type of pump Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
04-30-90	5 1/2	32/64		105	5404	10	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1270	Pkr		458	5404	-	47	

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

35. LIST OF ATTACHMENTS

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 5-2-90

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Desert Creek	6047	6197	Oil, Gas, Water
Lower Ismay	5982	6027	Oil, Gas

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
DeChelly	2890	2890
Organ Rock	3157	3157
Hermosa	4913	4913
Ismay	5880	5880
Lower Ismay	5902	5902
Gothic Shale	6027	6027
Desert Creek	6047	6047
Chimney Rock	6197	6197

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-5297

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. TRACT AGREEMENT NAME

8. TRACT OR LEASE NAME

Canon Mesa 8 D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Aneth

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

Sec. 8, T40S, R25E

12. COUNTY

San Juan

Utah

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. Other

3. NAME OF OPERATOR
Chuska Energy Company

4. ADDRESS OF OPERATOR
P. O. Box 780, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
420' FNL - 612' FWL
At top prod. interval reported below

At total depth

RECEIVED
MAY 10 1990

DIVISION OF
OIL, GAS & MINING

14. API NO. DATE ISSUED
API #43-037-31497 2-20-90

13. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RR, AT, GR, ETC.) 19. ELEV. CASINGHEAD
04-02-90 04-20-90 04-30-90 (Plug & Abd.) 5153 KB 5139

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
6252 6194 Rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE
Desert Creek - 6080-6084 (4') 4 SPF
- 6096-6128 (32') 4 SPF No

26. TYPE ELECTRIC AND OTHER LOGS RUN Sidewall Core Tool 27. WAS WELL CORED YES NO (Submit analysis)
Microlog, DLL-MSEL, LDT-CNL-Gr, Sonic DRILL STEM TEST YES NO (See reverse side) No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	505	12 1/4	370 sx. Class G 2% CaCl	
5 1/2	15.5	6250	7 7/8	2 stage - (1st) 470 sx Lite, 270 sx G (2nd) 780 sx Lite	
				100 sx G	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6084 - 84 - 4 SPF	
6096 - 6128 - 4 SPF	
6084-6128	7200 gallons 28% MSR-100 acid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
04-28-90	Flowing	SI					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
04-30-90	5 1/2	32/64	→	105	5404	10	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
1270	Pkr	→	458	5404	-	47	

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

35. LIST OF ATTACHMENTS

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 5-2-90

See Spaces for Additional Data on Reverse Side

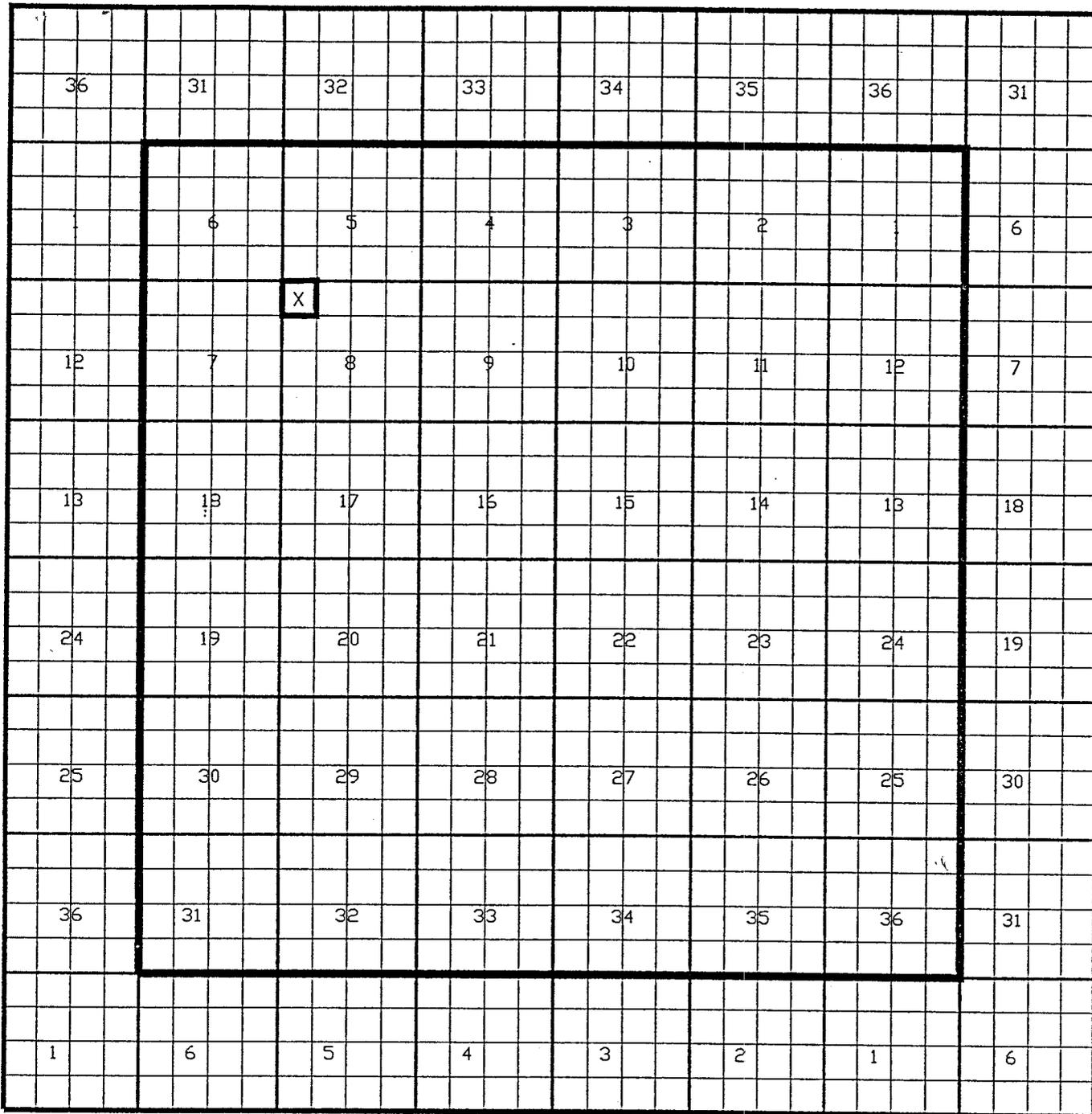
- X Reinstated Flat Canyon Field - to include all of Section 23-16S-6E, Emery County, East Mountain Unit 32-23 Well, Ferron Sandstone. 43-015-31031 TRSD
- X Extended Duchesne Field - to include SE SE, Section 3-4S-4W, Duchesne County, Ute Tribal 1-3D Well, Green River Pool. 43-013-31040 GRRV
- X New Field - Unnamed 24-4S-5W to include NW NW, Section 24-4S-5W, Duchesne County, CC Ute 1-24D Well, Green River Pool. 43-013-31034 GRRV
- X New Field - Ten Mile to include SW SW, Section 26-24S-17E, Grand County, Federal #1-26, Paradox Pool. 43-019-30588 PADOX
- X New Field - Tower to include NE SE, Section 1-40S-25E, San Juan County, Tower #11-2, Desert Creek Pool. 43-037-31507 FIRMV
- X New Field - Cajon Mesa to include NW NW, Section 8-40S-25E, San Juan County, Cajon Mesa #8-D-1, Desert Creek Pool. 43-037-31497 DSCR Pow
- X New Field - Monument to include SE SW, Section 8-40S-25E, San Juan County, Monument #8-N-2, Desert Creek Pool. 43-037-31509 DSCR
- X New Field - Runway to include SW NE, Section 10-40S-25E, San Juan County, Runway 10G #1, Desert Creek Pool. 43-037-31515 DSCR
- X Extended Rock House Field - to include SE SE, Section 18-11S-23E, Uintah County, Marble Mansion Unit #1, Wasatch Pool. 43-047-31805 WSTC

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

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

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

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



T. 40S

R. 25E

TOWNSHIP 40 SOUTH, RANGE 25 EAST - SAN JUAN COUNTY - 306

SECTION 8: NW/4 NW/4

OCTOBER 1990
DESERT CREEK POOL



CHUSKA ENERGY COMPANY

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

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

RECEIVED
NOV 2 1990

31 October, 1990

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

DIVISION OF
OIL, GAS & MINING

Ref: Sundry Notice: Cajon Mesa 8D-1 Well
First Sale of Gas

Gentlemen

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

Please advise if you require additional information concerning this submission.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\CAJNMESA.8D\SUNCOVER

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

NOG 8702-1116

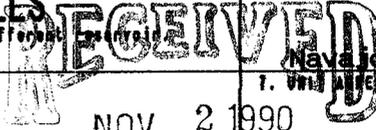
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. WELL IDENTIFICATION NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 420' FNL, 612' FWL
At proposed prod. zone Same

8. FARM OR LEASE NAME

DIVISION OF Cajon Mesa 8D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Cajon Mesa/Paradox

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

S8 T40S R25E

14. PERMIT NO.
43-037-31497 *SOB*

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

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(other) Report of 1st Sale of Gas <input checked="" type="checkbox"/>	

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION 10-30-90

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

First sale of gas from this well occurred at 1540 hrs, 10-30-90.

* Must be accompanied by a cement verification report.

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

SIGNED

Christopher S. Hill
Christopher S. Hill

TITLE Petroleum Engineer

DATE 31 October, 1990

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



CHUSKA ENERGY COMPANY

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

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

DEC 26 1990

DIVISION OF
12 December 1990

DEC 26 1990

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

DIVISION OF
OIL, GAS & MINING

Attn: Vicki Carney

Ref: Electric Logs

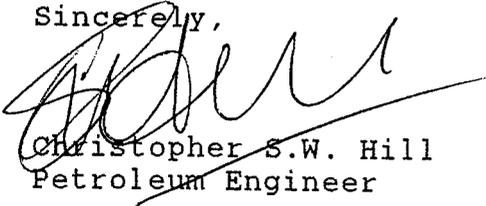
Dear Ms Carney

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

Rabbit Ears #1 ✓
Anasazi #1 ✓
Sahgzie #1 ✓
Big Bend 8E-1 ✓
Cajon Mesa 8D-1 ✓ 405 25E 8 POW
Monument 8N-2 ✓

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

Sincerely,


Christopher S.W. Hill
Petroleum Engineer

encl.



CHUSKA ENERGY COMPANY

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

May 17, 1991

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

Dear Ms. Kearney:

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

Thanks,

Herb

Herbert P. Mosca
Chuska Staff Geologist

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT (Highlight Changes)

Well Name	Producing Zone	Well Status	Days Oper	Production Volumes		
				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	ISMY					
RUNWAY 10G #1						
✓ 4303731515 11105 40S 25E 10	DSCR					
TOTALS						

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

CAJON MESA 8D-1
WORK OVER SUMMARY
JANUARY 22, 1994

DECEMBER 07, 1993

RD & ROAD RIG TO LOCATION. RU & TEST TBG TO 400 PSI, OK. UNSEAT PUMP & HOT OIL TBG & RODS WITH 35 BBLs OF 180⁰ OIL CONTAINING 4 GAL OF P.D. 100. PULL RODS & PUMP. ND WELLHEAD & NU BOP. PULL 2 7/8 TBG, TBG ANCHOR, SN & SLOTTED MUD ANCHOR. SDFN.

DECEMBER 08, 1993

RD & RUN GR-CCL STRIP 6191' - 5570'. LOAD HOLE WITH 95 BBLs H₂O. PERFORATE WITH 2 - 0.51 HOLES/FOOT THE FOLLOWING ZONES: 6180' - 618'8 (16 HOLES) & 5992' - 6003' (22 HOLES). FOUND FLUID LEVEL @ 5670'. FIRST ZONE (6180' - 6188') HAD MODERATE BLOW AFTER PERFORATING. ON SECOND GUN RUN FOUND FLUID LEVEL @ 3890', AFTER PERFORATING SECOND ZONE (5992' - 6003') HAD SLIGHT INCREASE IN GAS FLOW AT SURFACE. TIH WITH CSG SCRAPER TO 6191'. POOH WITH CSG SCRAPER TO +/- 2600'. SDFN. Note: fluid level at 3890'.

DECEMBER 09, 1993

POOH WITH 2 7/8 TBG & 5 1/2 CSG SCRAPER. TIH WITH 2 7/8 TBG & 5 1/2 MODEL "R-3" PACKER TO 6171'. SET PACKER @ 6171', RU & SWAB. RAN IN TO 2200" AND PULLED OUT NO FLUID, RE RAN SWAB TO CHECK FLUID LEVEL. FOUND FLUID @ +/- 4800'. ACIDIZE PERFS 6180' - 6188' WITH 600 GAL 20%, 9.2# GELLED HCL MTP = 4100 PSI @ 0.25 BBL/MIN, ATP = 1800 PSI @ 0.5 BBL/MIN. RU & PUMP 40 BBLs 180⁰ H₂O DOWN ANNULUS TO FLUSH ANNULUS & VERIFY COMMUNICATION BETWEEN ZONES WHILE SWABBING. MADE 5 RUNS: INF @ 4500', FFL @ 5100', PFF SN @ 6140'. RECOVERED 14 BBLs OF ACID/H₂O VERIFYING COMMUNICATION BETWEEN ZONES. EQUALIZE & RELEASE PACKER, PULL (10 STANDS) UP TO 5518'. SDFN.

DECEMBER 10, 1993

RIH 5 STANDS TO 5833'. SET PACKER @ 5833' & RU TO SWAB. SWABBING, MADE 6 RUNS: INITIAL FLUID LEVEL @ 5000', FINAL FLUID LEVEL @ 5500'. SWABBED FROM SN @ 5800', RECOVERED 7 BBLs OF 80% OIL. EQUALIZE RELEASE & POOH WITH PACKER. TIH WITH RBP RETRIEVING TOOL & 10' TAIL PIPE ON PACKER TO 6037'. SET RBP @ 6037', PU & SET PACKER @ 6122'. TEST RBP TO 2000 PSI, OK. DROP FLUID CONTROL VALVE. RELEASE PACKER. PU TO SET PACKER @ 5987' & OPEN BY PASS. LOAD ANNULUS WITH H₂O. TEST 5 1/2" & 2 7/8 ANNULUS TO 1500 PSI, OK. LEFT 500 PSI ON ANNULUS. ACIDIZE PERF'S 5992' - 6003'. ACID WAS SPOTTED TO PACKER WHILE LOADING ANNULUS. OPEN BY PASS ON PACKER. U-TUBE 1 TO 2 BBL OUT OF ANNULUS TO INSURE THAT THERE IS NO ACID AROUND PACKER. FISH FLUID CONTROL VALVE. SDFN.

CAJON MESA 8D-1 COMPLETION RPT., PAGE 2

DECEMBER 11, 1993

AM TBG/CSG PRESSURE = 0/0 PSI. WELL FLOWING TO TEST TANK AFTER 2ND SWAB RUN. INITIAL FLUID LEVEL @ 900'. FLUID LEVEL ON 2ND RUN @ 1000'. SWABBED FROM 3600', RECOVERED 29 BBLs OF 70% OIL. FLOW WELL THROUGH PRODUCTION SEPARATOR: 18 BFPHR (95% OIL, 5% H₂O), 825 MCFD, FTP = 140 PSI THROUGH 2" FLOW LINE. SDFN.

DECEMBER 14, 1993

OPEN BY PASS ON PACKER & KILL WELL ANNULAR FLUID. RELEASE PACKER AND SET @ 6010'. RU, RUN & LD 3/4 & 7/8 RODS. OPEN PACKER BY PASS & EQUALIZE TBG & RELEASE. PULL & LD 5 JOINTS OF TBG & SET PACKER @ 5972' WITH EOT TBG @ 5986'. SET PACKER IN 20 K TENSION, NDBOP & NU MASTER VALVE & UPPER TREE. LOAD 5 1/2" X 2 7/8" ANNULUS WITH H₂O CONTAINING 2 GAL/1000 CORROSION INHIBITOR & TEST TO 500 PSI, OK. RU SWABBING EQUIPMENT & ATTEMPT TO SWAB. COULD NOT GET SWAB DOWN TBG DUE TO PARAFFIN. SWI & SDFN.

DECEMBER 15, 1993

AM TBG/CSG PRESSURE = 225/0 PSI. FLOW WELL TO TEST TANK TO UNLOAD WELL. LOGGED OFF. HOT OIL DOWN TBG WITH 40 BBLs 285° +/- 5 GAL PD-100 PARAFFIN INHIBITOR. PULL 5 SWAB RUNS. FLOW WELL TO TEST TANK: 20.0 BO, 11.2 BW, 490 MCFD, FTP = 30-140 PSI FOR FIRST HOUR OF FLOW THROUGH 64/64" CHOKE. FLOW WELL TO PRODUCTION SEPARATOR: 13.9 BO, 3.7 BW, 405 MCFD WITH FTP @ 110 PSI & 64/64" CHOKE. RELEASE RIG, RD & ROAD TO YARD.

JANUARY 13, 1994

TBG = 60 PSI. OPEN TBG TO SEPARATOR & BLOW WELL DOWN. LOAD HOT OIL TRUCK WITH 40 BBLs LEASE OIL & 4 GAL PARAFFIN INHIBITOR. RU HOT OILER TO TBG & PUMP 40 BBLs LEASE OIL @ 185° DOWN TBG. SPOTTED RIG & RIGGED UP UNIT. RU BOP FLOOR & TOOLS TO PULL TBG. UNSEATED PACKER & PU 2 JOINTS 2 7/8 & LATCH ON RBP. UNSEATED RBP & PULL OUT OF HOLE WITH TBG & PACKERS. WELL STARTED FLOWING. OPEN TBG & CSG TO STOCK TANKS. BLEED DOWN WELL & PULL REST OF TBG & LD PRODUCTION PACKER & RBP. LOAD HOT OILER WITH 30 BBLs LEASE OIL & PUMP DOWN CSG TO KILL WELL. PU PURGE, 1 JOINT 2 7/8, 4' PERF SUB, COLLAR, SN, 7 JOINTS 2 7/8 TBG, TAC, 179 JOINTS 2 7/8 TBG IN HOLE. WELL CAME IN, LOAD TBG WITH 20 BBL LEASE OIL TO KILL WELL. RD FLOOR & BOP & SET TAC @ 17K TENSION, NU WELL HEAD, OPEN WELL TO SEPARATOR, SDFN.

JANUARY 17, 1994

LOAD TBG WITH 5 BBL LEASE OIL AND PRESSURE TEST TO 500 PSI, OKAY. PUMP 40 BBL LEASE OIL DOWN BS AND CHECK PUMP ACTION, OKAY. LIQUID ON VACUUM DURING ENTIRE PUMP TIME.

JANUARY 18, 1994

SHOT FLUID LEVEL DURING 1.5 HR PRESSURE BUILD-UP. IFL @ 4892' @ 39 PSI CSG PRESSURE; FFL @ 5694 @ 120 PSI CSG PRESSURE (446' LIQUID ABOVE PUMP & 116' GAS FREE LIQUID ABOVE PUMP. VENTED BACKSIDE TO STOCK TANK FOR 4 HR TEST; AVG. 1.23 BPH.

JANUARY 19, 1994

ROAD RIG TO LOCATION AND RIG UP.

JANUARY 20, 1994

STROKE PUMP WITH PUMPING UNIT, PUMP ACTION OKAY. UNSEAT PUMP AND TOH. PUMP 40 BBL LEASE OIL PLUS 4 GALLONS PARAFFIN INHIBITOR DOWN BACKSIDE, NDWHD, AND NUBOP. UNSEAT TAC, PU 1 JOINT 2 7/8 AND TAG PBT. POH STRAPPING OUT. PU RBP ON SETTING TOOL AND RIH WITH 2 7/8 MUD ANCHOR, 2 7/8 X 4 PERFORATED SUB, SN, 4 JTS 2 7/8 TBG, 2 7/8 X 5 1/2 TAC, AND 188 JTS 2 7/8 TBG AND SET RBP @ 6065' KB. PU 4' OFF BOTTOM AND RU TO SWAB. SWAB #1: FFL @ 4800, PF SN, WELL FLOWED 10.73 BBL OIL W/ FTP @ 25 PSI FOR 1/2 HR AND LOGGED OFF. SWAB #2: FFL @ 4800' GAS CUT, PF SN, WELL FLOWED 7.83 BBL OIL W/ FTP @ 25 PSI FOR 18 MINUTES. PLUMB IN TBG & CSG TO FLOW LINE AND PUT THROUGH PRODUCTION SEPARATOR. RELEASE RIG CREW AND SDFN.

JANUARY 21, 1994

PUMP 20 BBL LEASE DOWN BACKSIDE, NDBOP, AND NUWHD (EOT @ 6061', SN @ 6024', TAC @ 5929'). RIH W/ SWAB: STATIC FL @ 3800'. POH WITH SWAB AND RU TO RUN PUMP. PU 2 1/2 X 1 3/4 X 12 X 13 X 16 RHAC-SJ, 125-3/4 X 25 'D' RODS, 36-3/4 X 2 7/8 X 6 SCR 'D' RODS, 79-7/8 X 2 7/8 X 6 SCR 'D' RODS, AND 1 1/2 X 26 SM POLISH ROD. SPACE PUMP OUT AND SEAT. LOAD TBG WITH 15 BBL LEASE OIL AND CHECK PUMP ACTION WITH RIG, OKAY. HANG-OFF ON HEAD, RD, AND RELEASE RIG. TURN PUMPING UNIT ON AT 4 SPM/74 INCH STROKE LENGTH AND RELEASE WELL TO PRODUCTION DEPARTMENT.

JANUARY 22, 1994

AM GAUGE: 89.32 BBL OIL (4.96 BOPH), 160 MCFD, 0 BBL WATER, 28 PSI TBG/CSG PRESSURE FOR 18 HRS PRODUCTION.

Cajon Mesa 8D-1 Workover
Summary , page 4 Cont'd.

Production

Avg. Production prior: 15 BOPD, 0 BWPD, 80 MCFD

12/15/93	-	251 BOPD	284 MCFD	47 BWPD	
12/16/93	-	235 BOPD	241 MCFD	3 BWPD	(Remaining load to be recovered 28 bbl of water.)
12/17/93	-	203 BOPD	244 MCFD	0.4 BWPD	
12/18/93	-	191 BOPD	230 MCFD	0 BWPD	40 FTP
12/19/93	-	183 BOPD	216 MCFD	0 BWPD	
12/20/93	-	164 BOPD	204 MCFD	0.7 BWPD	
12/21/93	-	179 BOPD	213 MCFD	0.2 BWPD	
12/22/93	-	165 BOPD	213 MCFD	0 BWPD	35 FTP
12/23/93	-	144 BOPD	213 MCFD	0 BWPD	
12/24/93	-	141 BOPD	193 MCFD	0.4 BWPD	32 FTP
12/25/93	-	150 BOPD	139 MCFD	0 BWPD	
12/26/93	-	137 BOPD	176 MCFD	0 BWPD	
12/27/93	-	130 BOPD	204 MCFD	0.6 BWPD	
12/28/93	-	128 BOPD	195 MCFD	0 BWPD	
12/29/93	-	127 BOPD	181 MCFD	0 BWPD	30 FTP
12/30/93	-	126 BOPD	181 MCFD	0 BWPD	
12/31/93	-	121 BOPD	211 MCFD	0 BWPD	
1/01/94	-	121 BOPD	213 MCFD	0 BWPD	
1/02/94	-	117 BOPD	200 MCFD	0 BWPD	
1/03/94	-	107 BOPD	148 MCFD	0 BWPD	
1/04/94	-	96 BOPD	138 MCFD	3 BWPD	
1/05/94	-	104 BOPD	119 MCFD	0 BWPD	28 FTP
1/06/94	-	102 BOPD	138 MCFD	0 BWPD	
1/07/94	-	112 BOPD	138 MCFD	0 BWPD	
1/08/94	-	96 BOPD	157 MCFD	0 BWPD	
1/09/94	-	100 BOPD	139 MCFD	0.4 BWPD	
1/10/94	-	93 BOPD	119 MCFD	0 BWPD	
1/11/94	-	0 BOPD	17 MCFD	0 BWPD	(Well logged off after cutting paraffin.)
1/12 - 1/13/94	-	No production. POH RBP and commingled production.			
1/14/94	-	21 BOPD	36 MCFD	0 BWPD	20 WHDP
1/15/94	-	21 BOPD	61 MCFD	0 BWPD	
1/16/94	-	27 BOPD	68 MCFD	0 BWPD	
1/17/94	-	20 BOPD	58 MCFD	0 BWPD	(Pressure tested tbq to 600 psi, pumped 40 bbls lease oil down backside to check pump action.)
1/18/94	-	20 BOPD	58 MCFD	0 BWPD	(Shot fluid level during 1.5 hr pressure build-up: IFL @ 4892', 39 psi csg pressure; FFL @ 5694', 120 psi csg pressure, 446' liquid above the pump, 116' gas free liquid above the pump.) Vented backside to stock tank: avg'd 1.23 BPH during 4 hr test interval.
1/19/94	-	5.53 BOPD,	vent MCFD		
1/20/94	-	35 BOPD	92 MCFD	0 BWPD	
1/21/94	-	Isolate Desert Creek Zone w/ RBP & put Ismay Zone on pump.			
1/22/94	-	89.32 BO,	160 MCFD,	0 BW	for 18 hrs production



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

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

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

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

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

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

Other
Oper. Nm. Change

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

2. DOGM Employee (name) J. Cordova (Initiated Call
Talked to:
Name Wayne Townsend (Initiated Call - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Btm / Farmington N.M.

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

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

* 940210 Per Admin. OK to change.

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

3. Lease Designation and Serial No.

NOC14205297

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or C.A. Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Chuska Energy Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/4NW/4 Section 8-T40S-R25E

8. Well Name and No.
Cajon Mesa 8D1

9. API Well No.
43-037-31497

10. Field and Pool, or Exploratory Area
Wildcat

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

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

TYPE OF SUBMISSION

Notice of Intent

Subsequent Report

Final Abandonment Notice

TYPE OF ACTION

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other workover

Change of Plans

New Construction

Non-Routine Fracturing

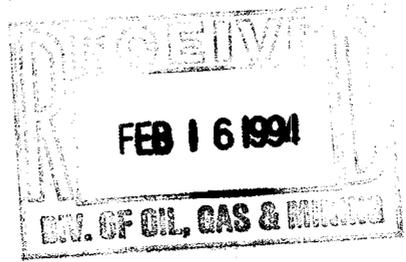
Water Shut-Off

Conversion to Injection

Dispose Water

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

Please see attached procedures for workover on Cajon Mesa 8D1



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

Signed [Signature] Title Operations Engineer

Date 1/7/94

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

Date _____

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

*See instruction on Reverse Side

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1	<input checked="" type="checkbox"/> LBC 7-SJ
2	<input checked="" type="checkbox"/> DTS 8-FILE
3	<input checked="" type="checkbox"/> VLC
4	<input checked="" type="checkbox"/> RJE
5	<input checked="" type="checkbox"/> JEC
6	<input checked="" type="checkbox"/> 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>037-31497</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

- 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* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Yes*
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) no. Today's date _____ 1994. If yes, division response was made by letter dated _____ 1994.

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 _____ 1994, 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 3/12/94*
- 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA. Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
Cajon Mesa 8D-1

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

9. API Well No.
43-037-31497

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

10. Field and Pool, or Exploratory Area
Cajon Mesa

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/NW Sec. 8-40S-25E
420' FNL & 612' FWL

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

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

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

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

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

The subject well was completed 4/90 as a Desert Creek producer (6080-84'; 6096-128'). In December, 1993, a the well was recompleted to the Ismay (6180-88'; 5992-6003') with a retrievable bridge plug set @ 5833'.

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

Accepted by the
Utah Division of
Oil, Gas and Mining

OCT 6 1994

CC: Navajo Nation
State of Utah

FOR RECORD ONLY

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

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

(This space for Federal or State office use)

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

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

HARKEN SOUTHWEST CORPORATION

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

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



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

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

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

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-037-31497

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Harken Southwest Corporation

3. Address and Telephone No.
 P.O. Box 612007 Dallas, Texas 75261-2007 (972) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 40, 41 & 42S - 23, 24 & 25S
 Various Sections

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
 Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.
 See attached

9. API Well No.
 See attached

10. Field and Pool, or Exploratory Area

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

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

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

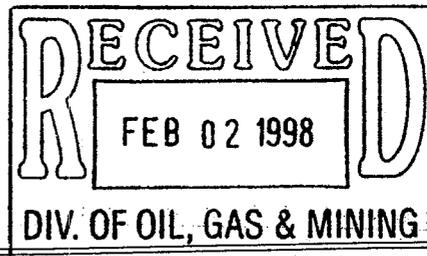
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

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

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

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



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

Signed *Sachelle Montgomery* Title Production Administrator Date 01/29/98

(This space for Federal or State office use)

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

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

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

Page 1 of 3

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

Vented Gas (MCF) December 1997

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

Vented Gas (MCF) January 1998

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

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

Page 2 of 3

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

Vented Gas (MCF) December 1997

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

Vented Gas (MCF) January 1998

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

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

Page 3 of 3

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NMNM85757
2. Name of Operator Harken Southwest Corporation	6. If Indian, Allottee or Tribe Name Navajo
3. Address and Telephone No. P.O. Box 612007 Dallas, TX 75261-2007 (972) 753-6900	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/NW Sec. 8-40S-25E 420' FNL & 612' FWL	8. Well Name and No. Cajon Mesa 8D-1
	9. API Well No. 43-037-31497
	10. Field and Pool, or Exploratory Area Aneth
	11. County or Parish, State San Juan Co., UT

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

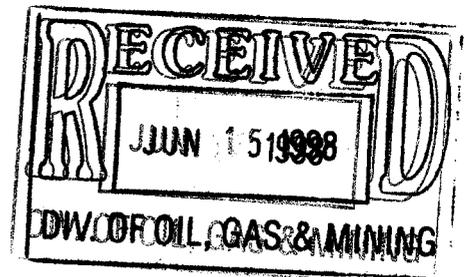
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

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

6/09/98: 42 MCF
6/10/98: 41 MCF



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

Signed [Signature] Title Production Administrator Date 6/12/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

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

UTAH ACCOUNT NUMBER:	N9290
REPORT PERIOD (MONTH/YEAR):	02/2001
AMENDED REPORT <input type="checkbox"/>	(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)
✓	BLUE HOGAN 1J-1								
4303731562	11161	42S 23E 01	DSCR	P	OW	27	800	778	36
✓	ANASAZI 5L-3								
4303731572	11207	42S 24E 05	DSCR	P	OW	28	1,187	1,284	0
✓	BROWN HOGAN 1A-2								
4303731573	11215	42S 23E 01	DSCR	P	OW	28	297	504	0
✓	STERLING 36L-1								
4303731595	11224	41S 23E 36	DSCR	S	OW	0	0	0	0
✓	MULE 31K (N)								
4303731617	11326	41S 24E 31	DSCR	P	OW	28	308	348	73
✓	NORTH HERON 35C								
4303731616	11479	41S 25E 35	DSCR	S	OW	0	0	0	0
✓	BURRO 31I								
4303731708	11496	41S 24E 31	DSCR	P	OW	28	489	0	0
✓	JACK 31G								
4303731709	11497	41S 24E 31	DSCR	S	OW	0	0	0	0
✓	MULE 31M								
4303731710	11498	41S 24E 31	DSCR	P	OW	28	1,074	333	120
✓	BIG SKY 6E (6L) 1								
4303731714	11722	42S 25E 06	DSCR	P	OW	26	262	551	0
✓	CLAY HILL CANYON 32D								
4303731741	11734	41S 25E 32	DSCR	TA	NA	0	0	0	0
✓	ANASAZI 6H-1								
4303731744	11773	42S 24E 06	DSCR	P	OW	28	205	303	0
TOTALS							4622	4101	229

COMMENTS:

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

Date: April 13, 2001

Signature Susan M. Herrera
Susan M. Herrera

RECEIVED Telephone Number (505) 326-0550

APR 17 2001

DIVISION OF
OIL, GAS AND MINING

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

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

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

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

Corporate Name Change from Harken Southwest Corporation to RIM Southwest Corporation, effective December 1, 2000 for reporting requirements.

RECEIVED

APR 27 2001

DIVISION OF
OIL, GAS AND MINING

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

(This space for State use only)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

12/1/2000

<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

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

4. Is the new operator registered in the State of Utah: YES Business Number: 794466-0143

5. If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: 8/13/2003

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

8. **Federal and Indian Units:**

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

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

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

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/26/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a

2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

(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: 9-17-01
Initials: ehd

RECEIVED

SEP 21 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

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

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

Method: c:\mti\ezchrom\200\methods\H2S_1.MET
 File: c:\mti\ezchrom\200\chrom\78_15306.2

Gas Analysis by Chromatograph

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

Ideal Total 100.000 1599.293 0.969 11.922
 Unnormalized Total 111.244

Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1610.156	Propane GPM = 3.302
Sat. = 1583.743	Butane GPM = 1.910
Actual = 1610.156	Gasoline GPM = 1.966
(0.000 lbs. water/MMCF)	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	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)	Gasoline Content
Dry = 1563.024	Propane GPM = 3.417
Sat. = 1537.392	Butane GPM = 1.505
Actual = 1563.024	Gasoline GPM = 1.353
(0.000 lbs. water/MMCF)	26# Gasoline CPM = 2.469
	Total GPM = 11.227

Real Relative Density Calculated = 0.9190
On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939

CQM, IN-ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

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

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

Gas Analysis by Chromatograph

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

Ideal Total	100.000	1819.096	1.080	15.891
Unnormalized Total	113.650			

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

Dry = 1835.446

Sat. = 1805.263

Actual = 1835.446

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 4.814

Butane GPM = 2.551

Gasoline GPM = 2.169

26# Gasoline GPM = 3.945

Total GPM = 15.891

Real Relative Density Calculated = 1.0892

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9911



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

ANALYSIS NO. HSC00012
 CUST. NO. 33500- 10105

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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

CQM, INC. ON-SITE GAS ANALYSIS

UNIT 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410 505-333-2003

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

Method: c:\mti\ezchrom\200\methods\H2S 1.MET
 File: c:\mti\ezchrom\200\chrom\78_14506.1

Gas Analysis by Chromatograph

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

Ideal Total 100.000 1600.514 0.945 12.084
 Unnormalized Total 110.907

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1611.115

Sat. = 1594.681

Actual = 1611.115

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.487

Butane GPM = 1.811

Gasoline GPM = 1.512

26# Gasoline GPM = 2.826

Total GPM = 12.084

Real Relative Density Calculated = 0.9508

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9934

COM, 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)

Dry = 1624.438

Sat. = 1597.782

Actual = 1624.438

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.492

Butane GPM = 1.784

Gasoline GPM = 1.672

26# Gasoline GPM = 2.953

Total GPM = 12.177

Real Relative Density Calculated = 0.9603

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9932



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

ANALYSIS NO. HSC00009
 CUST. NO. 33500- 10085

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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



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

ANALYSIS NO. HSC00010
 CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,471.5
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
DRY BTU @ 14.696	1,412.2
DRY BTU @ 14.730	1,415.4
DRY BTU @ 15.025	1,443.8

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

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

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

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

Gas Analysis by Chromatograph

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

Ideal Total 100.000 1421.788 0.837 9.151
Unnormalized Total 94.894

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)
Dry = 1428.837
Sat. = 1405.444
Actual = 1428.837
(0.000 lbs. water/MMCF)

Gasoline Content
Propane GPM = 2.708
Butane GPM = 1.076
Gasoline GPM = 0.884
26# Gasoline GPM = 1.676
Total GPM = 9.151

Real Relative Density Calculated = 0.8408
On-Site Relative Density = 0.0000

Gas Compressibility = 0.9951

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

<input checked="" type="checkbox"/> Well File _____	<input type="checkbox"/> Suspense _____	<input type="checkbox"/> Other _____
_____	(Return Date) _____	_____
(Loc.) Sec _____ Twp _____ Rng _____	(To-Initials) _____	_____
(API No.) _____	_____	_____

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 ^{de to} - bad western
 Gas Resources Pipeline

4. Highlights of Conversation: Wayne has had several meetings with
 Navajo Nation, Navajo EPA, Navajo minerals, Navajo Health and Human Services,
 the Department of Justice, US EPA, Texaco, Exxon-Mobil, western Gas & the
 Red Mesa & Aneth chapters. 12.5 miles of pipeline (downstream from
 Aneth Plant) no good. Options: a) rebuild 12.5 miles of pipeline - Row expires
 2005 western's renegotiate with Navajo to extend Row was denied [main choice], 1 month
 to rebuild once OK given from Navajo etc. b) Use 20" Questar oil pipeline [1980's - no go]
 c) Use 6" Coroco Line - convert to gas and truck liquids from plant - talks broke down 9/1/01.
 Everyone in agreement to keep wells producing - some verbal complaints from public, nothing
 in writing yet. Red Mesa & Aneth chapters wanted full shut-in. Current plan: EPA sending
 letter today to flare gas thru plant (gas will be metered). The gas will be counted as
 cost gas - no royalty due - because out of control of companies (producers). H₂S and other
 safety monitors will be set up around plant and monitor health risks, etc. - BLM
 has approved all flaring until Oct. 15, 2001 associated w/ this matter. Probably
 won't be back into operation before then though.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
See Attached

6. If Indian, Allottee or Tribe Name
Navajo Nation

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

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RIM SOUTHWEST CORPORATION

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

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

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

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

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

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

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

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

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

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

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

Federal Approval of This
Action Is Necessary

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

W. J. Holcomb

Title **Vice President**

Signature

[Signature]

Date **11/01/01**

RECEIVED

NOV 09 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

**DIVISION OF
OIL, GAS AND MINING**

Approved by

Title

Date

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

Office

RIM SOUTHWEST CORPORATION

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FILE

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RIM SOUTHWEST CORPORATION

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

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

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

5. Lease Serial No.
See Attached

6. If Indian, Allottee or Tribe Name
Navajo Nation

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

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Flare Gas</u>
	<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	

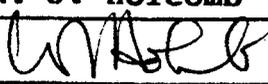
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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 _____ Date **NOV 23 2001**

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

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

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

			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

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
10000
N00 C-14-20-5297
5. Lease Serial No. ~~N00 8702-1116~~
6. If Indian, Allottee, or Tribe Name
The Navajo Nation
7. If Unit or CA. Agreement Designation
8. Well Name and No.
Cajon Mesa 8D-1
9. API Well No.
43-037-31497
10. Field and Pool, or Exploratory Area
Greater Aneth
11. County or Parish, State
San Juan Co., Utah

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)
NW NW sec 8 T 40S R 25E

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

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

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

Returned to sales on Friday, August 29, 2008.

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

Name (Printed/ Typed) **Kenneth J Kundrik** Title **Operations Engineer**

Signature *Kenneth J Kundrik* Date **9/2/2008**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

SEP 09 2008

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 **FARMINGTON FIELD OFFICE**

BY *[Signature]*

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

(Instructions on reverse)

RECEIVED

FARMINGTON

SEP 25 2008

0000-Utah

DIV. OF OIL, GAS & MINING

RECEIVED
MAY 21 2009
BUREAU OF LAND MANAGEMENT
Bureau of Land Management
Farmington Field Office

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

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

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

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

7. If Unit or CA. Agreement Designation

8. Well Name and No.
Cajon Mesa 8D-1

9. API Well No.
43-037-31497

10. Field and Pool, or Exploratory Area
Greater Aneth

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RIM Southwest Corp.

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

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

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

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

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

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 recompletes 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.)

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

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

RECEIVED
JUN 22 2009

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

Name (Printed/ Typed) **Kenneth J Kundrik** Title **DIV. OF OIL, GAS & MINING Operations Engineer**

Signature *Kenneth J. Kundrik* Date **5/18/2009**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____

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

ACCEPTED FOR RECORD
MAY 26 2009
FARMINGTON FIELD OFFICE

(Instructions on reverse)

NMOCD

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

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

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

8/1/2012

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

CA No. **Unit:** **N/A**

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 11074
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: NMNM85757
2. NAME OF OPERATOR: Navajo Nation Oil and Gas Company		8. WELL NAME and NUMBER: Cajon Mesa 8D #1
3. ADDRESS OF OPERATOR: P. O. Box 5069 Window Rock AZ 86515	PHONE NUMBER: 303-534-8300	9. API NUMBER: 43-037-31497
4. LOCATION OF WELL FOOTAGES AT SURFACE: 420 FNL & 612 FWL		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW NW sec. 8 T40S R25E		COUNTY: San Juan
		STATE: UTAH

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

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

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

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

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

RIM SOUTHWEST CORPORATION


RENE MORIN, VICE-PRESIDENT

Bond No. **RLB0006712**

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

(This space for State use only)

APPROVED

DEC 1 1 2012

DIV. OIL GAS & MINING
BY: Rachel Medina

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOOC-1420-5297
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 4439 , Window Rock, AZ, 86515		8. WELL NAME and NUMBER: CAJON MESA 8D-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0420 FNL 0612 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 40.0S Range: 25.0E Meridian: S		9. API NUMBER: 43037314970000
PHONE NUMBER: 303 534-8300 Ext		9. FIELD and POOL or WILDCAT: CAJON MESA
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/10/2012	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well is S/I, went on vent starting December 10, 2012 due to operational issues to sales line.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 31, 2012		
NAME (PLEASE PRINT) Lauren Germinario	PHONE NUMBER 303 534-8300	TITLE Land Manager
SIGNATURE N/A	DATE 12/26/2012	

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

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

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

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



September 18, 2012

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

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

RE: Change of Operator Name and Address for Wells

Dear Rachel,

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

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

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

The name and address change is as follows:

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Katie Hynes". The signature is fluid and cursive.

Katie Hynes
Associate Landman

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

The new Entity is:

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

NEW DOGM No. : 3930

Bond No. RLB0006712

Effective: July 10, 2010

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

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

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

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

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

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

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

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

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

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

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

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

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

DEC 31 2012

DIV. OIL GAS & MINING
BY: Rachel Medina

(See Instructions on Reverse Side)

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: NOOC-1420-5297
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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CAJON MESA 8D-1
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC	9. API NUMBER: 43037314970000
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202	PHONE NUMBER: 303 910-9525 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0420 FNL 0612 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 40.0S Range: 25.0E Meridian: S	9. FIELD and POOL or WILDCAT: CAJON MESA COUNTY: SAN JUAN STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/31/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

NNOGC is giving notice that, the Cajon Mesa 8D- will be temporarily SI due to uneconomical production levels (excessive water and low oil). Assessments are underway to determine if a PA will be necessary.

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

Date: April 02, 2015
 By: *Derek Duff*

NAME (PLEASE PRINT) Timothy Phillips	PHONE NUMBER 505 599-6060	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 3/31/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOOC-1420-5297
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC		8. WELL NAME and NUMBER: CAJON MESA 8D-1
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000, Denver, CO, 80202		9. API NUMBER: 43037314970000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0420 FNL 0612 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 40.0S Range: 25.0E Meridian: S		9. FIELD and POOL or WILDCAT: CAJON MESA
		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/19/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER
		OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
NNOGC is giving notice that the Cajon Mesa 8D-1 has not reached it's economic limit and put back on production 6-19-2015.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 07, 2015		
NAME (PLEASE PRINT) Timothy Phillips	PHONE NUMBER 505 599-6060	TITLE Petroleum Engineer
SIGNATURE N/A		DATE 6/24/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOOC-1420-5297
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC		8. WELL NAME and NUMBER: CAJON MESA 8D-1
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202		9. API NUMBER: 43037314970000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0420 FNL 0612 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 40.0S Range: 25.0E Meridian: S		9. FIELD and POOL or WILDCAT: CAJON MESA
		COUNTY: SAN JUAN
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

NNOGC is giving notice that, the Cajon Mesa 8D-1 will be temporarily shut (SI) in due to excessive water. Assessments are under weigh to determine additional production capabilities.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 18, 2015**

NAME (PLEASE PRINT) Timothy Phillips	PHONE NUMBER 505 599-6060	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 8/6/2015	