

CHUSKA ENERGY COMPANY

P.O. BOX 2118 • FARMINGTON, N.M. 87499 • PHONE: (505) 326-5525

July 7, 1989

RECEIVED
JUL 13 1989

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Mr. John Baza

Re: Non-standard location Saghzie No. 1

Gentlemen:

Chuska Energy Company requests an exception to Utah Rule R615-3-2 for its Saghzie No. 1 well to be located 1370' FNL and 2340' FWL, Section 5, Twn. 42S, Rng. 24E, San Juan County, Utah. Exception to the rule is requested on the basis of topography. Attached is a surveyors plat showing the location, outline of the 400' square in which a standard location could be made, and ownership of adjacent acreage. Also attached is a topographic map showing the location of this well. A standard location is not available due to topographic relief. No offset operators exist within the 460' radius indicated on the surveyors plat.

Chuska Energy Company asks that you administratively grant this application.

Sincerely,

John Alexander
Production Manager

JCA/mn

File: JCA\LNSLSZN1.451

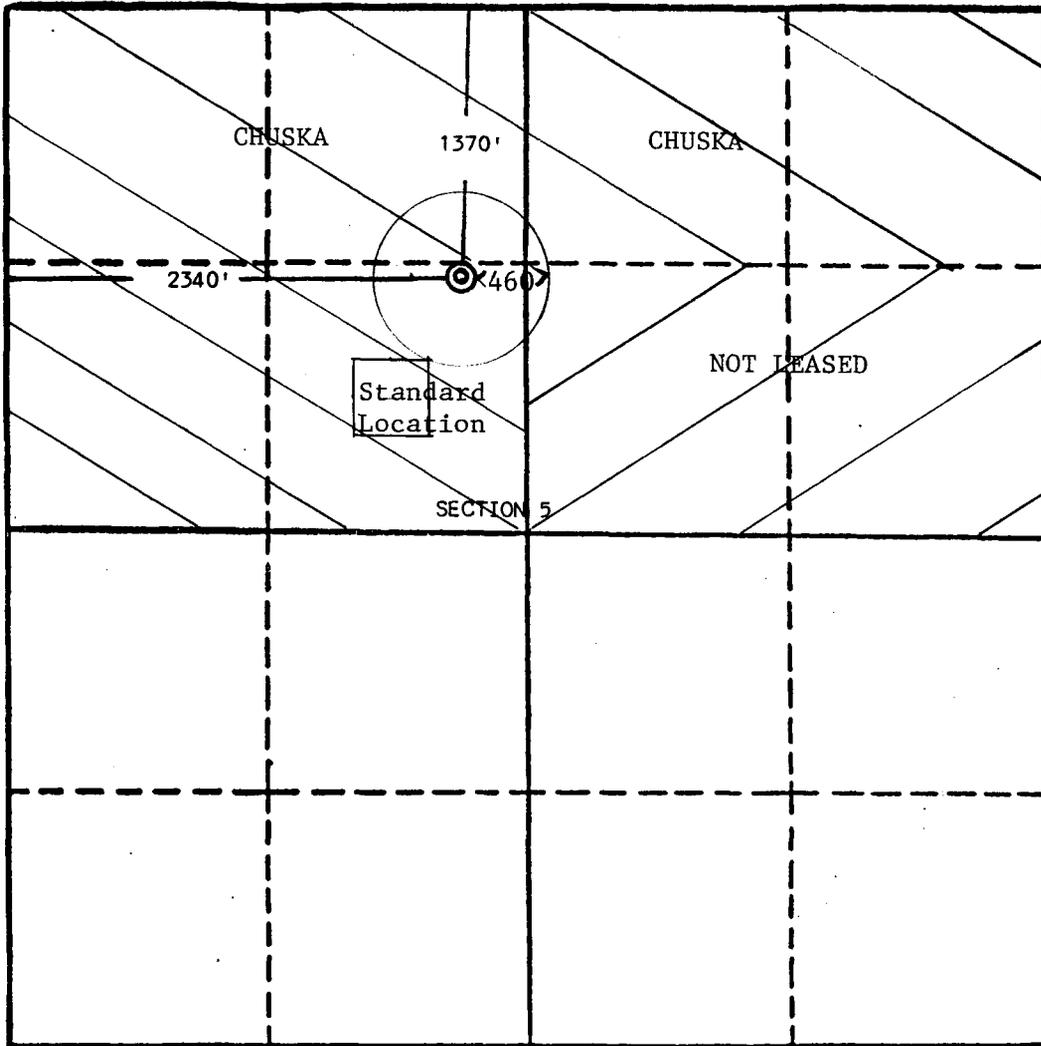
Company Chuska Energy Company

Well Name & No. Saghalie No. 1

Location 1370' F/NL 2340' F/WL

Sec. 5, T. 42 S., R. 24 E., S. L. M., County San Juan, Utah

Ground Elevation 4771



Scale, 1 inch = 1,000 feet

Surveyed June 22, 1989

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.

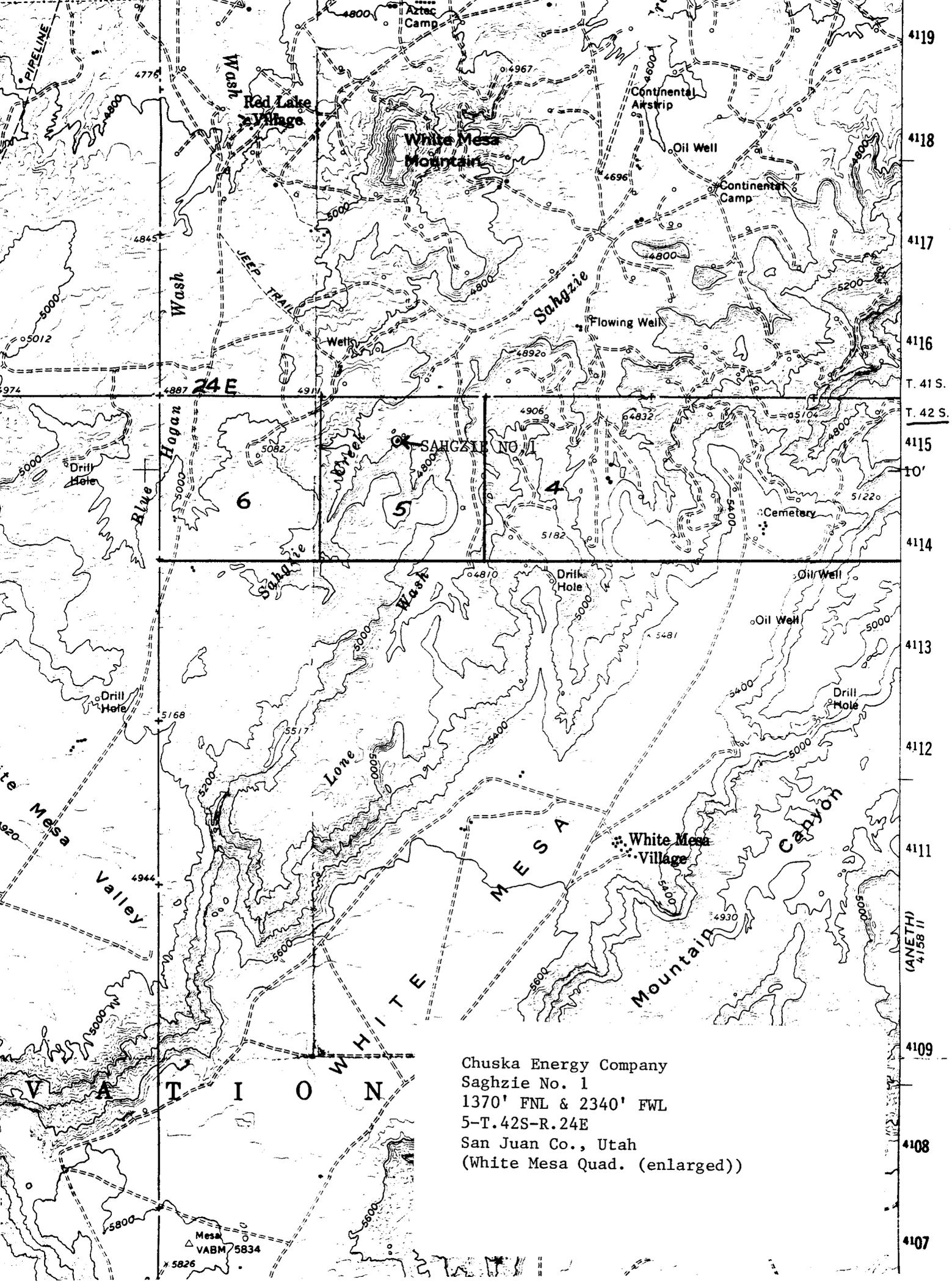
Seal:



Edgar L. Risenhoover

Edgar L. Risenhoover
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)



Chuska Energy Company
 Saghie No. 1
 1370' FNL & 2340' FWL
 5-T.42S-R.24E
 San Juan Co., Utah
 (White Mesa Quad. (enlarged))

4119
 4118
 4117
 4116
 T. 41 S.
 T. 42 S.
 4115
 10'
 4114
 4113
 4112
 4111
 4109
 4108
 4107

(ANETH)
4158 II

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Chuska Energy Company

3. ADDRESS OF OPERATOR
 315 N. Behrend, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with State Requirements.)
 At surface 1315'
 1370' FNL, 2340' FWL *NEW*
 At proposed prod. zone

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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

Sahgzie 4-5-42S24E

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Aneth (365)

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

Sec. 5, Twn 42S, R24E

12. COUNTY OR PARISH | 13. STATE

San Juan | Utah

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

16. NO. OF ACRES IN LEASE
 50,000

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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

19. PROPOSED DEPTH
 5,900' *Desert Creek*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4771' GR

22. APPROX. DATE WORK WILL START*
 8-1-89

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	80	(see attached)
12 1/4	8 5/8	24	1500	
7 7/8	5 1/2	15.50	5900	

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 TITLE Operations Manager DATE 7-17-89

(This space for Federal or State office use)

PERMIT NO. 43-037-31472 APPROVAL

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

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 7/17/89
 BY: [Signature]
 WELL SPACING: Case 17

*See Instructions On Revs

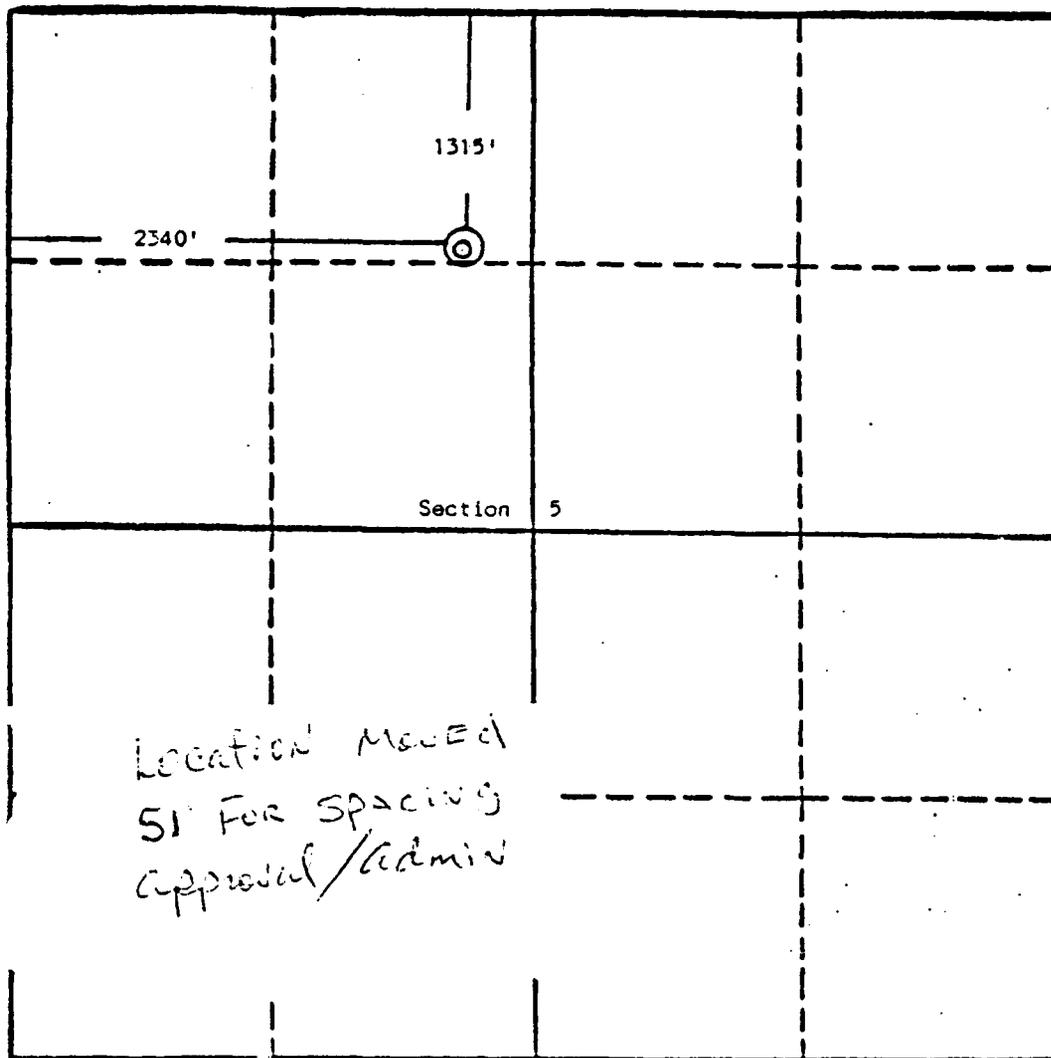
Company Chuska Energy Company

Well Name & No. Sahzi No. 1

Location 1315' F/NL 2340' F/WL

Sec. 5, T. 42 S., R. 24 E., S. L. M., County San Juan, Utah

Ground Elevation 4776 Estimated



Scale, 1 inch = 1,000 feet

Surveyed August 4, 19⁸⁹

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.

RECEIVED
AUG 28 1989



Edgar L. Risenhoover
Edgar L. Risenhoover,
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)

UTAH OIL & MINING

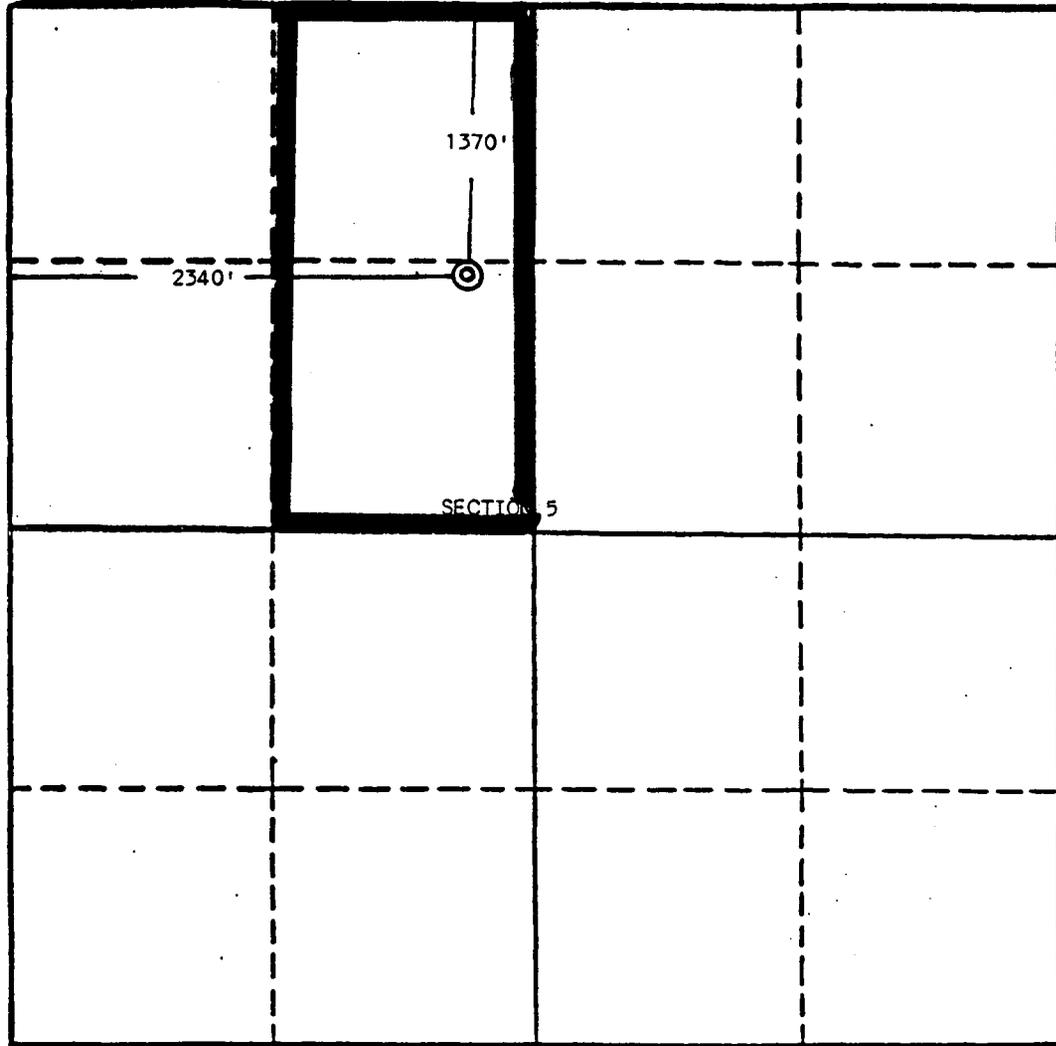
Company Chuska Energy Company

Well Name & No. Sahgzie 4-5-42S24E No. 1

Location 1370' F/NL 2340' F/WL

Sec. 5, T. 42 S., R. 24 E., S. L. M., County San Juan, Utah

Ground Elevation 4771



Scale, 1 inch = 1,000 feet

Surveyed June 22, 19 89

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:



Edgar L. Risenhoover
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Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)

Chuska Energy Company
 Sahgzie 4-5-42S24E Well #1
 1370' FNL, 2340' FWL
 Sec. 5 Twn 42S, Rge 24E
 San Juan County, New Mexico

- The geologic surface formation is the Morrison Bluff which is a sand, shale sequence.
- Estimated Tops of Geologic Markers:

<u>Depth</u>	<u>Sub/Sea Elevation</u>	<u>Name of Horizon</u>	<u>Type of Potential Shows</u>
Surface	4771' gr.	Morrison Bluff	-
150'	+ 4624'	Entrada	Water
519'	+ 4254'	Carmel	-
618'	+ 4153'	Navajo	Water
973'	+ 3798'	Wingate	Water
1392'	+ 3379'	Chinle	Water
2332'	+ 2439'	Moenkopi	Shale
2571'	+ 2200'	De Chelly	Water
2786'	+ 1985'	Organ Rock	Shale
4471'	+ 300'	Hermosa	Oil/Gas
5286'	- 515'	Ismay	Oil/Gas
5421'	- 650'	Gothic Shale	
5441'	- 670'	Desert Creek	Oil/Gas
5900'	- 1129'	Total Depth	

- Estimated Depths (Top & Bottom) of Anticipated Water, Oil, Gas or Minerals:

Oil 4471' - 5441'
 Water 150' - 2571'

- Proposed Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>Length</u>	<u>Size</u>	<u>Grade</u>	<u>Weight/Thread</u>	<u>Condition</u>
17 1/2	0-80	80'	13 3/8"	48# H-40	St&C	(N)
12 1/4	0-1500	1500'	8 5/8"	24# K-55	St&C	(N)
7 7/8	0-5900	5900'	5 1/2"	15.5# K-55	St&C	(N)

- Cementing Program:

Conductor 0-80'
 150 cuft Class G Cement, 2% S-1 CaCl₂, 1/4 #/SX D-29 Celloflake

Surface: 1500'
Lead: 375 cuft 35/65 pozmix, 6% gel, 2% S-1 CACL2, .25
#/SX D-29 Celloflake
Tail: 160 cuft class G w/2% S-1 Cadz, .25 #/SX D-29
Celloflake

Production: 5900

1st Stage: Lead - 100 cuft 50/50 Pozmix, 2% gel, 0.6% D-127
Flac, 0.25 #/SX D-29 Celloflake

Tail - 200 cuft SX class G w/0.8% D-60 Flac, stage
tool @ 2825' +/-

2nd Stage: Lead - 200 cuft 50/50 Pozmix, w/2% Gel, 10% salt,
0.75% D-65 Vic, 0.25 #/SX D-29 Celloflake

Tail - 100 cuft Class G w/0.6% D-60 Flac - 1% S1
Cacl 2

5. Blow out Preventor - (Exhibit C)

- a. Surface: 12"/900 Series Diverter on 13 3/8" casing
- b. Production: 10"/900 Series, Double Ram, hydraulic
operated complete w/complete shut off (blind) rams & rams
for the drill pipe (4 1/2")
- c. Accumulator System: Shall have a pressure capacity to
close all hydraulics on the blowout preventor stack under
repeated operations, plus a 200 psi reserve above the
recommended precharge pressure.
- d. Manifold: 900 Series manifold for drilling production
hole.

See Exhibit "C" for detailed schematic.

BOP Testing Requirements:

The BOP will be tested prior to drilling operations.

- a. Test pressure shall not be less than 600 psi for the
surface casing and/or a minimum of 1500 psi or 0.2
psi/ft, which ever is greater for production casing
strings.
- b. Cement will be in place a minimum of 8 hours prior to
test procedures.
- c. (1) Pipe rams shall be activated to test proper function
- test once each day.
(2) Blind rams will be activated/shut each trip.

6. Drilling Mud Program

<u>Interval</u>	<u>Type</u>	<u>Weight</u>
0-80	Water native mud	8.4 #/gal - 30 FV - W1 NC
80-1500	Spud mud-fresh water	8.4 - 90#/ 30/35 - NC
1500-4000	Gel chemical-fresh water	8.4 - 9.0 #/ 30/36 NC/15cc
4000-TD	LSND gel chemical	10# 36/45 - 10cc

7. Auxiliary Equipment

- a. Floor valve to fit @ drill strings
- b. BH sub/BHC bored for drill bit float

8. Logging

Open Hole:

Electric logs: CNL - FDC litho density; dual induction; sonic (integrated) High Resolution Dipmeter

Mud logging: a two man unit will be operational from 4000' to 5900'/TD. 10' samples will be taken (wet/dry) well site

Drill stem test: All potential shows will be reviewed for possible DST - probably test intervals will be the Ismay and Desert Creek.

Cores: No conventional cores are planned for this well.

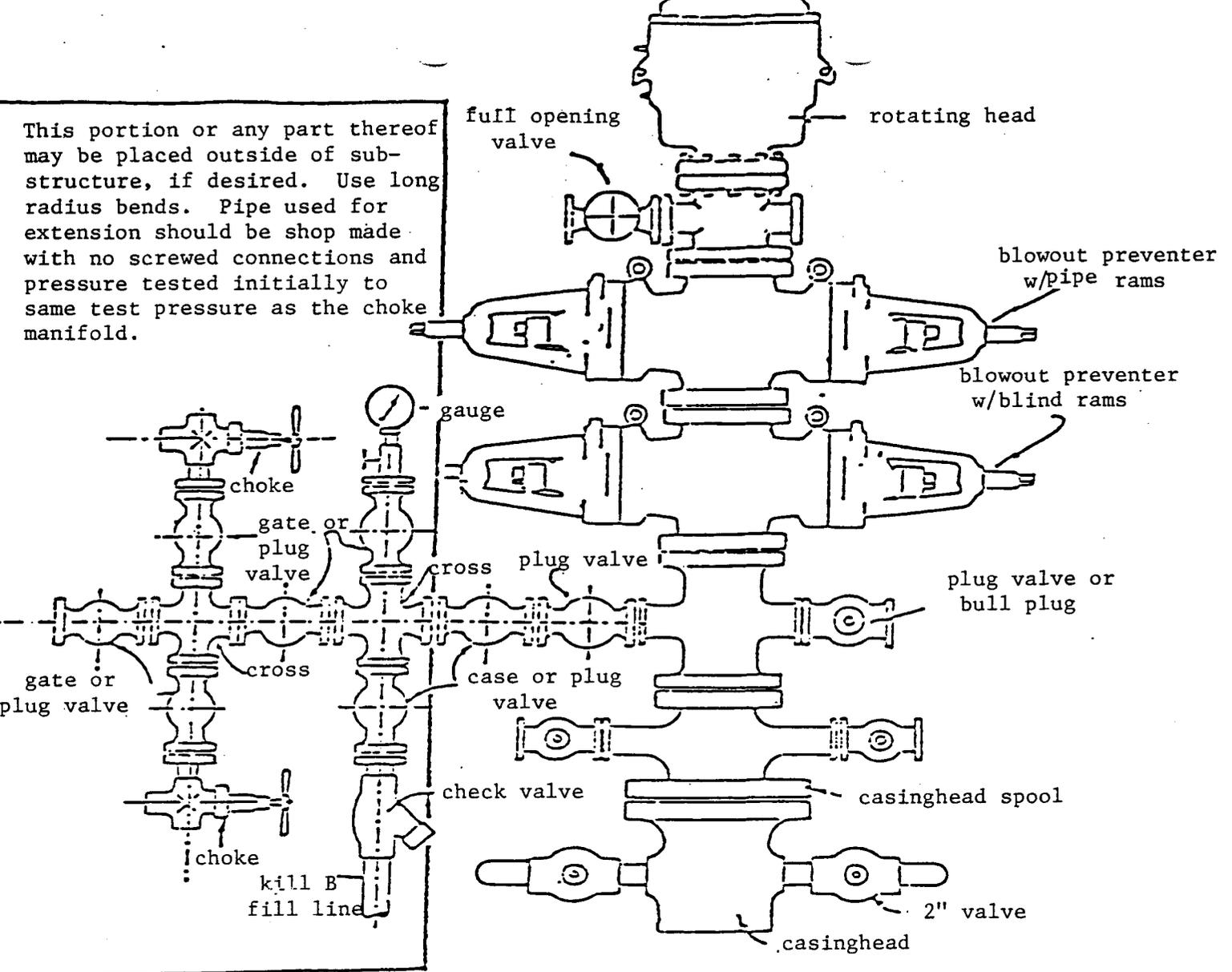
9. Abnormal temperature: pressures or potential hazards

None

10. Commencement Date

Anticipated spud date will be 8-1-89. Road, location and upgrading of road and location will be prior to spud.

This portion or any part thereof may be placed outside of sub-structure, if desired. Use long radius bends. Pipe used for extension should be shop made with no screwed connections and pressure tested initially to same test pressure as the choke manifold.



SLOWOUT PREVENTER HOOKUP

CHUSKA ENERGY COMPANY

Sahgzie 4-5-42SR24E Well #1
 1370' FNL, 2340' FEL
 Sec. 5 - Twn 42S, Rge 24E
 San Juan County, Utah

1. BOP will be 10"/900 series, double ram preventer, equipped with a set of pipe rams for drill pipe and a complete set of shut off rams (blind).
2. Manifold will be 900 series with 2" outlets, an adjustable choke to the mud pit, positive choke to relief flare pit. Kill line will be a steel 2" line equipped with a check valve/gate valve upstream of center spool.
3. A rotating head series 900 will be utilized during drilling operations.
4. Hand wheel for manual closing will be available.

Test Procedure

Conductor: 80'
13 3/8" 48# H-40 casing

Surface: 1500
8 5/8 24# J-55 St&C
Test casing - BOP to 1000 psi for 1/4 hour
Test pipe rams to 1000 psi for 1/4 hour

Production Casing: 5900'
5 1/2" - 15.50 casing St&C
Test casing - 1500 psi

File: dsb\shg#1GEO

Sahgzie 4-5-42S24E, Well #1
1370' FNL, 2340' FWL
Section 5, Twn 42S, Rge 24E
San Juan County, Utah

DRILLING PROGNOSIS

1. Build road and location. Install and test permanent anchors for drilling rig. A 9 mill liner will be installed in the reserve pit area.
2. Move in, rig up rotary tools.
3. Drill 12 1/4" hole to +/- 80' - run 17 1/2" hole opener to 80'.
4. Run 13 3/8" OD 48# H-40 St & C conductor set @ 80'.
5. Cement with class G cement, 2% CaCl₂, 1/4 #/SX flocculent circulate cement to surface (theoretical volumes 137 cuft).
6. W.O.C. 4 hours - nipple up.
7. Test to 500 psi - drill 12 1/4" hole to 1500'.
8. Run 8 5/8" - 24# K-55 St&C casing - Set @ 1500'.
9. Cement w/375 cuft 35/65 Pozmix, 6% gel, 2% S-1 CaCl₂, .25 #/SX D-29 Celloflake per SX, follow w/160 cuft class G - w/2% Si - CaCl₂ - & .25 #/SX D-29 Celloflake per SX. Use sufficient volumes to circulate cement and surface.
10. W.O.C. a minimum of 4 hours - nipple up 10" - 900 series well head - install 10"/900 series Double Ram hydraulic blow out preventor, high pressure manifold & accumulator system for all hydraulic operated equipment.
11. Pressure test BOE as per State, Federal, BIA requirements (see Exhibit "C")
12. TIH w/drilling assembly - pressure test pipe rams casing to 1,000 psi for 1/4 hour.
13. Reduce hole to 7 7/8" - drill and survey to TD as per State and Federal stipulations.
14. Drill stem tests, cores and logs will be as per well site geologist.
15. If well is commercial run 5 1/2" production casing.
16. Cement in two stages (see cementing program for detailed information).

17. If well is non-commercial, plug and abandon as per BLM, State of Utah and BIA stipulations.
18. RDR and move off location.
19. Rehab locations as per BLM stipulations.

SURFACE USE PLAN

1. Existing Roads

The attached topographic map shows the existing roads in the Aneth Field. Outlined are the roads to be used from the Montezuma Creek School and Highway 262 - Exhibit 1. Existing roads will be maintained in same or better condition.

2. Planned Access Road

The access road is shown on topographic map (White Mesa Quad). The road will be 14' wide flat bladed. If well is productive, upgrading will be necessary.

3. Location of Existing Wells

As shown on topographic maps.

4. Location to tank batteries, Production facilities and Production gathering and service line

If productive, production battery facilities will be on existing pad.

5. Location and type of water supply

Water will be trucked to location by Hay Hot Oil Service from Artesian water well, the EPNE 9-14-19, located @ Section 27, Township 40S, Range 23E, San Juan County, Utah. Water is owned by BLM.

6. Source of Construction Materials

Any additional materials in excess of the location top soil will be made with the approval of the Navajo Tribe, private source, or from borrowed material.

7. Methods of Handling Waste Material

Trash will be contained on location in a trash bin, transported to an approved disposal site. Drilling fluids will be contained in reserve pit during drilling operations. Reserve pit will be fenced during the interim time of evaporation or disposal. Hydrocarbons will be collected in temporary storage tanks - hauled from location to approved sales point. Reserve pit will be backfilled and restored to natural terrain.

8. Portable toilet facilities will be provided on location.

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well site layout

See attached rig layout with staking and cut & fill plats.

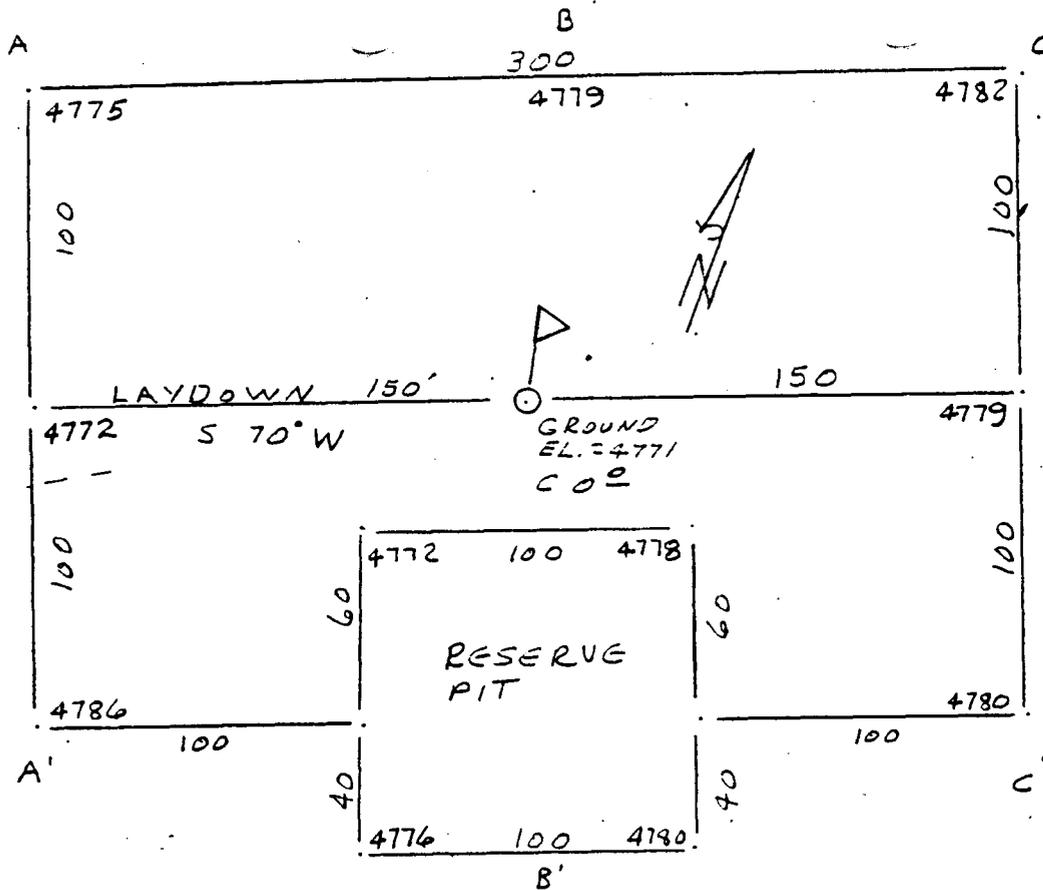
11. Plans for restoration of surface

Top soil will be stored @ site. After the drilling operations are complete, the top soil will be returned to location area and restored to existing terrain, reseeded as per the BLM stipulations. Reserve pit will be covered and reseeded. If well is P&A'd, road to location will be ripped and reseeded as per BLM stipulations. To existing roads burns will be placed to prevent traffic. The surface is owned by the Navajo Tribe.

12. The location is on a northwesterly slope requiring 4' to 5' cut. Reserve pit will be on cut - native sparse vegetation with no resident in the immediate area.

13. Donald S. Barnes
Chuska Energy Company
315 N. Behrend
Farmington, New Mexico 87401

14. _____, Operations Manager _____
Donald S. Barnes (Date)



Chuska Energy Company
OPERATOR

Sahzie No. 1
WELL NAME & NO.

1370' F/NL 2340' F/WL
FOOTAGES

5 42S 24E
SEC. TWP. RGE.

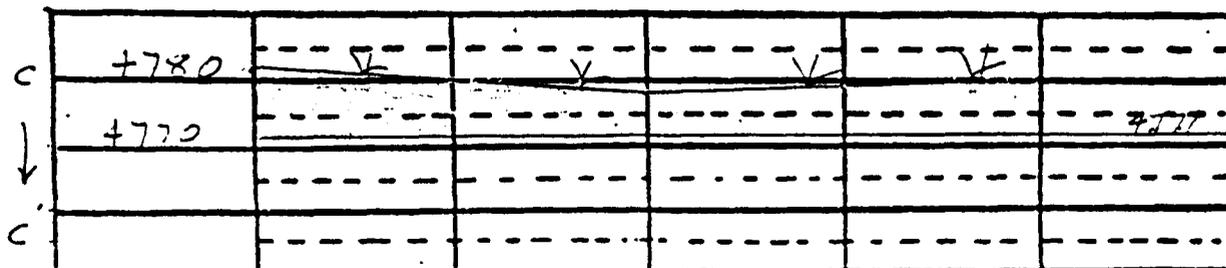
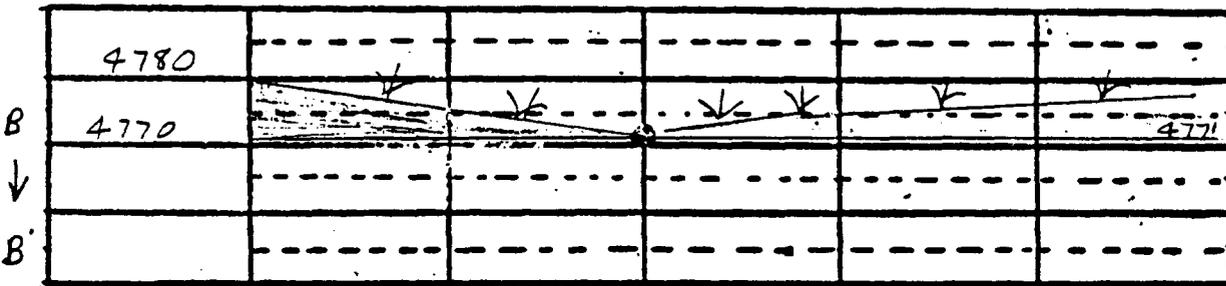
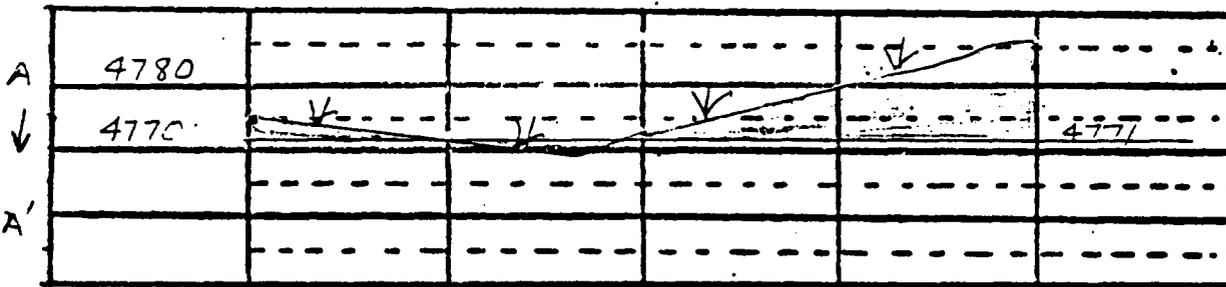
San Juan, Utah

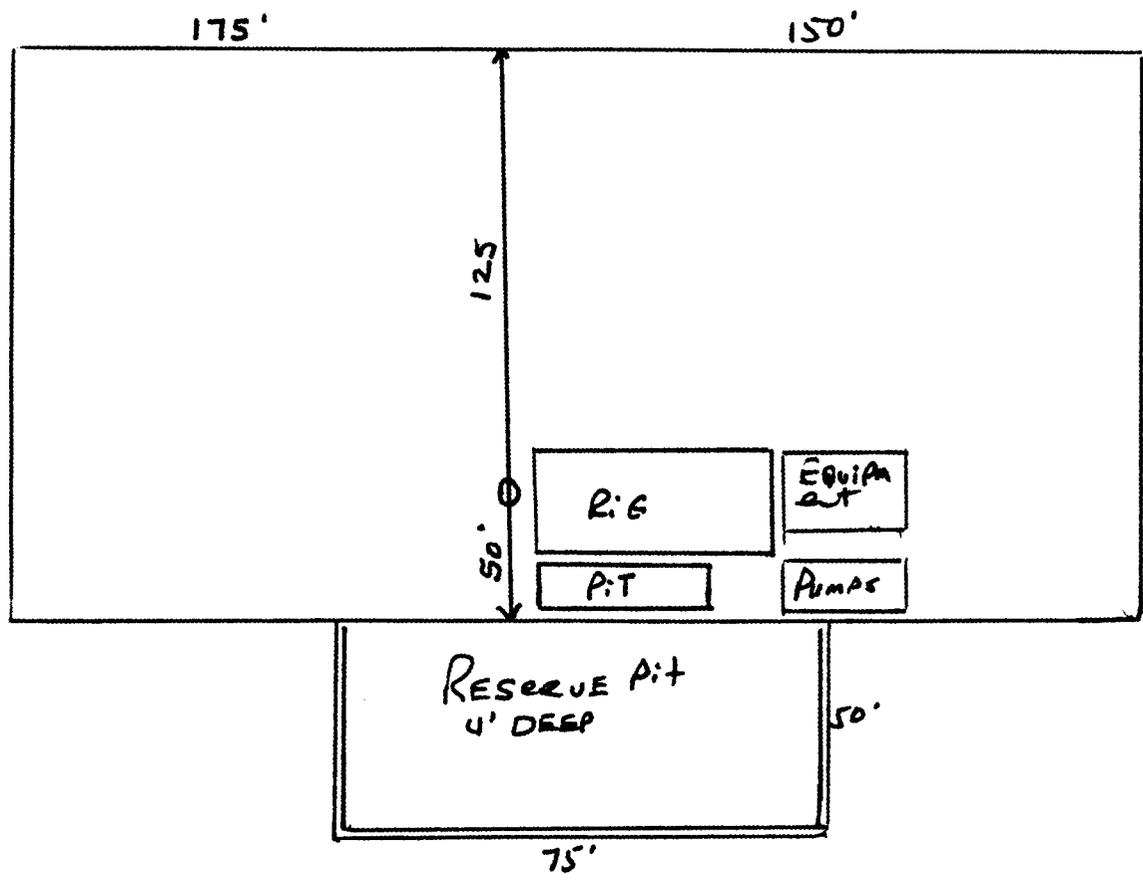
COUNTY

June 22, 1989

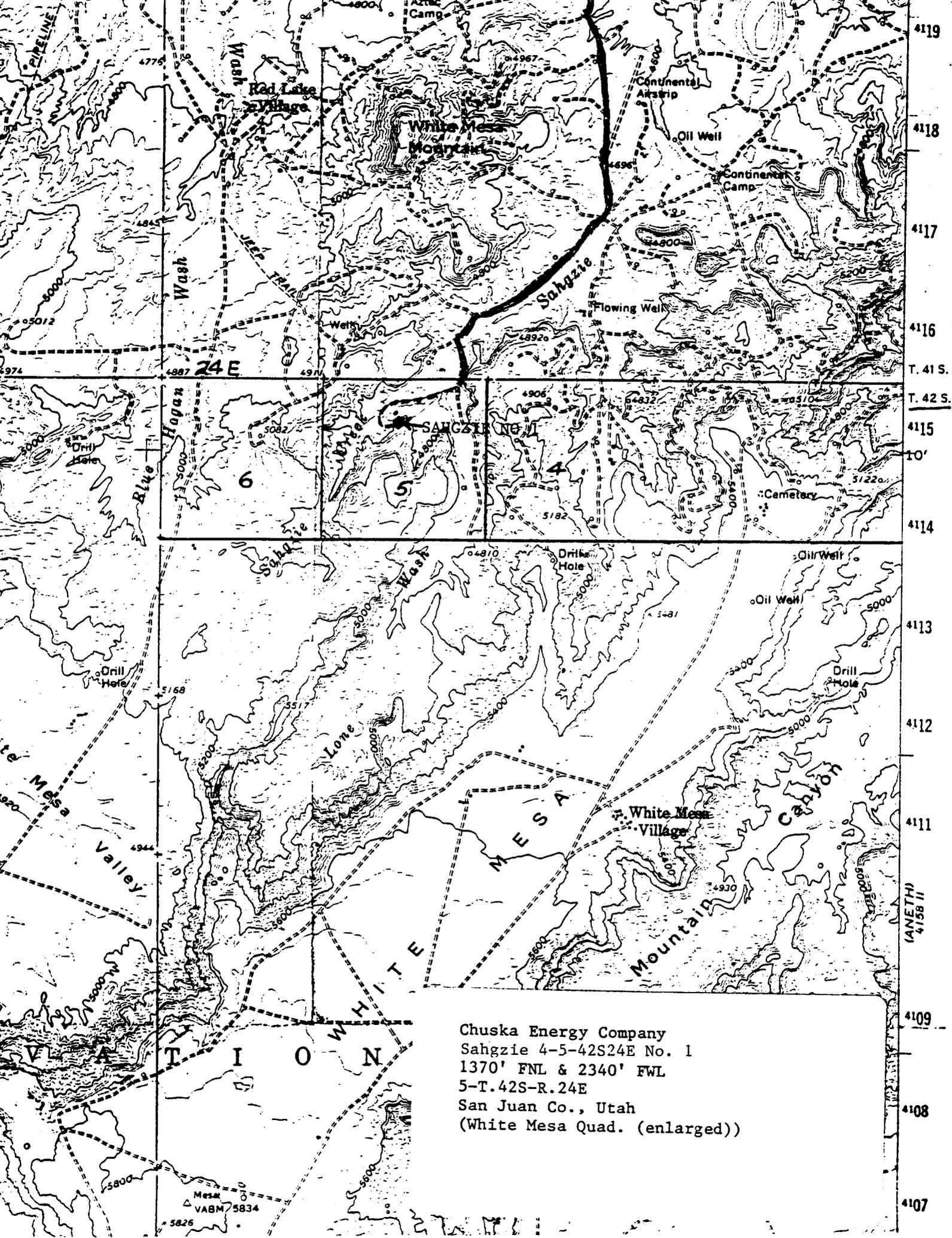
DATE

HORIZ 1" = 50'
 VERT 1" = 30'





Sahgie 4-5-42S24E No. 1
Layout



Chuska Energy Company
 Sahgzie 4-5-42S24E No. 1
 1370' FNL & 2340' FWL
 5-T.42S-R.24E
 San Juan Co., Utah
 (White Mesa Quad. (enlarged))

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 T. 41 S.
 T. 42 S.
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 10'
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 4109
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 4107

(ANETH) 4158 II



OPERATOR Chuska Energy Company (N9290) DATE 8-1-89
 WELL NAME Sahzie No. 1
 SEC NENW 5 T 42S R 24E COUNTY San Juan

43-037-31472
 API NUMBER

Indien
 TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

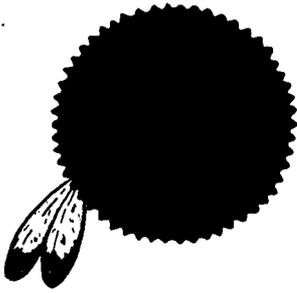
No other well in section 5
Need water permit
Exception to Cause No. 17 requested, due to topography.

APPROVAL LETTER:

SPACING: R615-2-3 N/A R615-3-2
 UNIT
 17 2-24-60 R615-3-3
 CAUSE NO. & DATE

STIPULATIONS:

- 1- ^{surveyors} Submittal of a ~~revised~~ ~~to enter~~ plat showing the revised well location.
2- Water permit / received 8-25-89. (09-1419 / A60809)



CHUSKA ENERGY COMPANY

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

August 14, 1989

State of Utah
Division of Oil, Gas & Mining
355 West N. Temple, Suite 350
Salt Lake City, Utah 84180-1203

Attention: John Baza

Re: Non-standard Location Sahgzie No. 1

Gentlemen:

This is a re-submittal of our request for an non-standard location for the Sahgzie No. 1 well. The location has been moved to 1315' FNL & 2340' FWL, S.5-T.42S-R.24E, San Juan County, Utah. The non-standard location is based on topographic as an exception to cause No. 17. Attached is a surveyor's plat of the location and a topic graphic map showing the restrictions. The surveyor's plat also shows acreage owned by Chuska and the Navajo Nation. Attached is a letter from the Navajo Nation demonstrating that they do not object to this location.

Chuska Energy Company ask that this non-standard location be granted administratively.

Please call me if you have questions concerning this application.

Sincerely,

John C. Alexander,
Production Manager

JCA\bc
attachments

RECEIVED
AUG 28 1989

DIVISION OF
OIL, GAS & MINING

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF
THE TEXAS COMPANY, THE CARTER OIL
COMPANY AND CONTINENTAL OIL COMPANY
FOR AN ORDER ESTABLISHING 80-ACRE
DRILLING UNITS FOR THE ANETH POOL,
SAN JUAN COUNTY, UTAH, WITH REFERENCE
TO THE KNOWN PRODUCING ZONES OF THE
HERMOSA FORMATION (CAUSE NO. 8)

CAUSE NO. 17
(CONSOLIDATED CAUSES NOS.
8 AND 11)

AND

IN THE MATTER OF THE APPLICATION OF
CONTINENTAL OIL COMPANY FOR AN ORDER
ESTABLISHING 80-ACRE DRILLING AND
SPACING UNITS FOR THE UPPER PARADOX
SECTIONS OF THE HERMOSA FORMATION,
DESERT CREEK AREA, SAN JUAN COUNTY,
UTAH (CAUSE NO. 11)

FINDINGS OF FACT,
CONCLUSIONS OF LAW
AND ORDER

The above captioned Cause No. 17 is before the Oil and Gas Conservation Commission of the State of Utah as a consolidation of Causes Nos. 8 and 11, such consolidation having been effected on February 2, 1959, by order of this Commission. Each of said Causes Nos. 8 and 11 arose out of an application for an order establishing 80-acre drilling and spacing units for an area defined in the particular application. Since the initiation of said proceedings, the Commission has, pursuant to several requests, permitted several additions to the areas covered by said applications as originally filed, with the result that this consolidated Cause now involves those lands hereinbelow particularly described. Hearings were held in Cause No. 8 and in Cause No. 11 prior to their consolidation, and further hearings have been held in this Cause No. 17 since such consolidation. During the extensive course of the proceedings numerous witnesses testified and many exhibits were introduced both in support of and in opposition to the applications. On January 30, 1960, upon the conclusion of the hearings in this consolidated Cause, the matter was submitted to the full Commission for decision.

NOW, THEREFORE, after due and careful consideration, this Commission makes the following Findings of Fact and Conclusions of Law:

FINDINGS OF FACT

1. The area involved in this consolidated Cause, and which is hereinafter for convenience referred to as the "Greater Aneth Area," lies within San Juan County and is described as follows:

✓ T. 40 S., R. 23 E., S1E4

Section 1: All
Section 2: E $\frac{1}{2}$
Section 11: E $\frac{1}{2}$, SW $\frac{1}{4}$
Sections 12, 13, 14, 23 through 26,
34, 35, 36: All

✓ T. 40 S., R. 24 E., S1E4

Sections 7 through 11,
13 through ~~26~~: All 13-35

✓ T. 40 S., R. 25 E., S1E4

Section 16: E $\frac{1}{2}$
Section 17: E $\frac{1}{2}$
Section 18: E $\frac{1}{2}$
Sections 19, 20, 21: All
Section 22: E $\frac{1}{2}$, NW $\frac{1}{4}$
Sections 27 through 34: All

✓ T. 41 S., R. 23 E., S1E4

Sections 1, 2, 3, 10 through 15,
22, 23, 24: All
Section 25: E $\frac{1}{2}$
Section 33: E $\frac{1}{2}$
Section 36: All

✓ T. 41 S., R. 24 E., S1E4

Sections 1 through 24: All
Section 25: NW $\frac{1}{4}$
Sections 26 through 35: All

✓ T. 41 S., R. 25 E., S1E4

Section 3: NW $\frac{1}{4}$
Sections 4 through 9: All
Section 10: NW $\frac{1}{4}$
Sections 16 through 20: All

✓ T. 42 S., R. 23 E., S1E4

Section 1: All
Section 2: E $\frac{1}{2}$
Section 11: E $\frac{1}{2}$
Section 12: All

✓ T. 42 S., R. 24 E., S1E4

Sections 2 through 10: All

2. The Desert Creek (Aneth) formation is continuous over the Greater Aneth Area and constitutes a common source of supply. It is

found at a depth of approximately 5600 feet below the surface of the ground and varies in thickness from 100 feet to 220 feet. The formation consists essentially of carbonate material with minor amounts of other constituents. The reservoir is what is known as a "stratigraphic trap."

3. The properties of the reservoir rock, in regard to permeability and porosity distribution, indicate a degree of heterogeneity that is common in limestone reservoirs.

4. The original reservoir pressure at a datum of 900 feet subsea was approximately 2200 pounds per square inch.

5. The producing mechanism from the original reservoir pressure down to the saturation pressure or bubble point pressure is "fluid expansion." The producing mechanism below the saturation pressure or bubble point pressure is the release of gas originally in solution in the oil or so-called "solution gas drive." The predominant producing mechanism is "solution gas drive."

6. Reduced formation pressures which have been found upon the completion of new wells show that drainage of oil and gas had occurred from under the locations of the newly drilled wells by reason of production from earlier drilled wells.

7. With the drilling of the field on an 80-acre pattern there is and will be efficient horizontal communication. In some areas of the field there is also efficient vertical communication through interfingering of reservoir layers aided by fractures, while in other areas vertical communication between layers depends to a substantial extent upon connection provided by the well bore.

8. In the five special test wells drilled by Shell Oil Company and the well layer tested by Humble Oil and Refining Company, pressure depletion from original reservoir pressure had occurred in each of the lenses and layers tested. The pressure depletion conditions found at the location of each such well were normal for a heterogeneous reservoir of this type.

9. The various layers or lenses containing oil and gas are of sufficient size that wells drilled with a density of one well to each 80 acres will, with insignificant exceptions, pierce the various layers and

provide efficient and adequate intercommunication for all parts of the reservoir.

10. While there are varying permeabilities within the pay sections throughout the field, any so-called barriers of low permeability are not continuous and do not completely surround or isolate oil and gas or create islands but, to the contrary, the pressure history of this field along with the gas/oil ratio behavior in relationship to the total cumulative production demonstrates that the field is being efficiently and economically drained by one well to each 80-acre tract.

11. Pressure differentials exist in the reservoir. These differentials are normal, are to be expected and constitute a condition necessary to the flow of oil through the reservoir into producing wells. The variation in magnitude of the pressure differentials existing within the reservoir is attributed to differences in rate of production, cumulative production, permeability, pay thickness, porosity and water saturation and differences in shut-in times prior to measurement of pressures.

12. One well to each 80 acres will efficiently and economically drain the reservoir as found in and underlying the Greater Aneth Area.

13. Eighty-acre spacing and drilling units for the Greater Aneth Area should be established in order to prevent waste, to avoid the drilling of unnecessary wells and to protect the correlative rights of interested parties. No more than one well should be drilled on any such unit for the production of oil or gas from the Desert Creek (Aneth) formation.

14. Except for the "Specially Designated Drilling Units" hereinafter specified, the drilling and spacing units for the Greater Aneth Area should be formed by dividing each governmental quarter section into two such units to consist respectively of the east half of such quarter section and the west half of such quarter section. Each specially designated drilling unit consisting of an 80-acre tract as specifically described below should constitute a drilling and spacing unit and represents a departure from the general spacing unit pattern as set forth in the preceding sentence.

SPECIALLY DESIGNATED DRILLING UNITS

<u>80-ACRE TRACT</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>
NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$	16	40 South	24 East

<u>80-ACRE TRACT</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>
SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	16	40 South	24 East
NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	16	40 South	24 East
S $\frac{1}{2}$ SE $\frac{1}{4}$	16	40 South	24 East
S $\frac{1}{2}$ SW $\frac{1}{4}$	16	40 South	24 East
SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	16	40 South	24 East
NW $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$	16	40 South	24 East
NE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	13	41 South	23 East
SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	13	41 South	23 East
NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$	13	41 South	23 East
NW $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$	13	41 South	23 East
SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	13	41 South	23 East
NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	13	41 South	23 East
S $\frac{1}{2}$ SE $\frac{1}{4}$	13	41 South	23 East
S $\frac{1}{2}$ SW $\frac{1}{4}$	13	41 South	23 East
N $\frac{1}{2}$ SW $\frac{1}{4}$	11	41 South	24 East
S $\frac{1}{2}$ SW $\frac{1}{4}$	11	41 South	24 East
N $\frac{1}{2}$ SE $\frac{1}{4}$	11	41 South	24 East
S $\frac{1}{2}$ SE $\frac{1}{4}$	11	41 South	24 East
NE $\frac{1}{4}$ NE $\frac{1}{4}$)	11)	41 South	24 East
NW $\frac{1}{4}$ NW $\frac{1}{4}$)	12)		
SE $\frac{1}{4}$ NE $\frac{1}{4}$)	11)	41 South	24 East
SW $\frac{1}{4}$ NW $\frac{1}{4}$)	12)		
N $\frac{1}{2}$ NE $\frac{1}{4}$	12	41 South	24 East
S $\frac{1}{2}$ NE $\frac{1}{4}$	12	41 South	24 East
N $\frac{1}{2}$ SW $\frac{1}{4}$	18	41 South	24 East
S $\frac{1}{2}$ SW $\frac{1}{4}$	18	41 South	24 East

15. Except as may be hereafter ordered by the Commission, after notice and hearing, and as hereinafter provided, in that portion of the Greater Anath Area lying north of the San Juan River the permitted well for a spacing unit should be located in either the northwest quarter of a governmental quarter section or in the southeast quarter of a governmental quarter section and should be not less than 500 feet from any property or lease line or governmental quarter-quarter section line. Except as

hereinafter provided, in that portion of the Greater Aneth Area lying south of the San Juan River the permitted well for a spacing unit should be located in either the northeast quarter of a governmental quarter section or in the southwest quarter of a governmental quarter section and should be not less than 500 feet from any property or lease line or governmental quarter-quarter section line. An exception should be recognized for any well which has heretofore been drilled or which is now being drilled to the Desert Creek (Aneth) formation and which is not located in accordance with the general well location pattern above defined and such heretofore drilled or now being drilled well shall be the permitted well for the drilling and spacing unit upon which it is located, provided expressly that no one of the five test wells drilled by Shell Oil Company under this Commission's order of February 24, 1959 in this Cause shall constitute the permitted well for the drilling unit upon which such well was drilled unless, after notice and hearing, specifically ordered by this Commission pursuant to said Order of February 24, 1959, or otherwise; and provided further that the water injection well drilled by Phillips Petroleum Company under this Commission's order of August-5, 1959 in Cause No. 23 shall not constitute the permitted well for the drilling unit upon which such well was drilled unless, after notice and hearing, specifically so ordered by the Commission.

16. Wherever reference is made herein to a "governmental quarter-quarter section" or to any subdivision thereof or to a "governmental quarter-quarter section" or to any specific description by subdivision, section, township and range, such reference is intended, in the case of surveyed lands, to refer to the indicated quarter section or other legal subdivision as determined by the government survey and is intended, in the case of unsurveyed lands or of partially surveyed lands, to refer to the indicated quarter section or other legal subdivision as determined by and through projection or protraction from existing township surveys and/or existing township boundary line surveys.

CONCLUSIONS OF LAW

1. The Commission has jurisdiction over the subject matter of this Cause and over the lessees and operators in the area involved. Notice

of the respective hearings and respective other proceedings in this consolidated Cause, and in Causes Nos. 8 and 11 prior to the consolidation thereof, was in each instance given in all respects as required by law.

2. The Desert Creek (Aneth) formation is continuous over the Greater Aneth Area, as such area is defined in Finding 1 of the foregoing Findings, and constitutes a common pool or source of supply.

3. One well to each 80 acres will efficiently and economically drain the said pool or common source of supply as found in and underlying the Greater Aneth Area.

4. The establishment of 80-acre spacing and drilling units for the Greater Aneth Area is necessary to prevent waste, to avoid the drilling of unnecessary wells and to protect the correlative rights of interested parties.

5. The shape and pattern of the spacing units for the Greater Aneth Area should be as set forth and defined in Finding 14 of the foregoing Findings.

6. No more than one well should be drilled on any such spacing or drilling unit for the production of oil or gas from the Desert Creek (Aneth) formation.

7. The locations or patterns of the permitted wells should be as set forth in Finding 15 of the foregoing Findings.

8. The here-involved applications for the issuance by this Commission of an Order establishing 80-acre spacing should be granted.

ORDER

IT IS THEREFORE ORDERED by the Commission as follows:

1. That 80-acre drilling and spacing units be and the same are hereby established for the production of oil and gas from the Desert Creek (Aneth) formation underlying the Greater Aneth Area;

2. That the shape and pattern of such drilling and spacing units shall be as set forth and defined in Finding 14 of the foregoing Findings;

3. That no more than one well shall be drilled on any such unit for the production of oil or gas from the Desert Creek (Aneth) formation;

4. That the location of the permitted well for each such unit shall be as set forth and defined in Finding 13 of the foregoing Findings, provided, however, that an exception in respect to the location of a permitted well may be had without notice or hearing upon the filing with the Commission of an application showing that the proposed exception location is within the quarter-quarter section specified hereunder as the situs for the permitted well; that topographic conditions exist which reasonably require a well location nearer than 500 feet to one or more boundaries of said quarter-quarter section; and either that the ownership of all oil and gas leases within a radius of 660 feet of the proposed exception location is common with the ownership of the oil and gas leases upon the proposed exception location or that all owners of oil and gas leases within such radius have consented in writing to the proposed exception location.

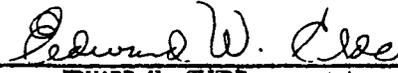
3. That nothing in the foregoing Findings of Fact or Conclusions of Law or in this Order is intended or shall be construed in any manner to determine or affect any question relating to the boundaries of any lease or the title to any lands or to determine the rights of any party in respect to any voluntary or involuntary pooling of interests within any hereby established spacing or drilling unit.

6. That this Order shall be effective forthwith; and

7. The Commission retains continuing jurisdiction of all matters covered by this Order.

DATED this 24th day of February, 1960.

By Order of
THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF UTAH


EDWARD W. CLYDE,
Commissioner Presiding

APPROVED:





CHUSKA ENERGY COMPANY

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

RECEIVED

AUG 21 1989

August 16, 1989

WATER RIGHTS
PRICE

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

Re: Sahgzie 4-5-42S-24E No.1
1370' FNL & 2340' FWL
Sec. 5, Twn.42S, Rge. 24E
San Juan County, Utah

Dear Sir:

Chuska Energy Company proposes to drill the referenced well in late August or early September 1989.

Chuska requests permission to use water from an artesian well permitted to Hay Hot Oil Service, Permit #09-1419 (A60809). Hay will be the transporter of the water from the well to the location. Estimated volumes to drill this well will be 9000 BBLS.

Please advise if you need additional information. You can contact me at 505-326-5525 or Chuska Energy Company at 315 North Behrend in Farmington, New Mexico 87401.

Thank you for your assistance in this matter.

Sincerely,


Donald S. Barnes,
Operations Manager

DSB\bc
file:rsahgh2o.45



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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

August 23, 1989

Chuska Energy Company
315 N. Behrend
Farmington, New Mexico 87401

Gentlemen:

Re: Sahzie No. 1 - NE NW Sec. 5, T. 42S, R. 24E - San Juan County, Utah
1315' FNL, 2340' FWL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 17 dated February 24, 1960 subject to the following stipulations:

1. Submittal of a surveyors plat showing the revised well location.
2. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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.
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 43-037-31472.

Sincerely,



R. J. Roth

Associate Director, Oil & Gas

aws
Enclosures
cc: Bureau of Indian Affairs
Bureau of Land Management
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 • 801-637-1303

August 24, 1989

RECEIVED
AUG 25 1989

DIVISION OF
OIL, GAS & MINING

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

Re: Sahgzie 4-5-42S-24E No. 1
1370' FNL & 2340' FWL
Section 5, T42S, R24E, SLB&M
San Juan County, Utah

Dear Mr. Barnes:

This letter is written to grant you permission to use the water from the flowing well permitted by Hay Hot Oil Inc. under water right 09-1419 (A60809). This water, in the amount of 1.16 acre feet, will be used for the drilling of the Sahgzie 4-5-42S-24E No. 1 Well located at a point S. 1370 ft. & E. 2340 ft. from the NW Cor. Sec. 5, T42S, R24E, SLB&M.

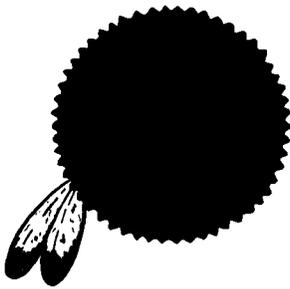
If you have any questions concerning the enclosed, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

cc: Hay Hot Oil Inc.
P.O. Box 9
Montezuma Creek, Utah 84534

Division of Oil, Gas & Mining
Attn: Lisha Romero
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



CHUSKA ENERGY COMPANY

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

RECEIVED
AUG 28 1989

DIVISION OF
OIL, GAS & MINING

August 22, 1989

State of Utah
Division of Oil, Gas & Mining
355 West N. Temple, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Arlene Sollis

Dear Arlene:

Thank you for taking the time to talk with me this morning. As stated in our telephone conversation, I am sending you a copy of the new Staking Plat, and a copy of John Alexander's letter to John Baza.

We have verbal approval from the Navajo Nation that this move will not effect the Tribes position and will approve same. If you need a copy of this letter for your files, I will send it to you, however due to a 2 day delay, in receiving this letter, I am sending this ahead for your review and approval.

Please advise if you see any problems or need additional information. Thanks again for your assistance.

Sincerely,

Donald S. Barnes,
Operations Manager

DSB/bc
file:dsb\1ns1sahg.451

* Per Donald Barnes, approval from
Navajo Nation to follow.
8-30-89
JCF

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API NO. 43-037-31472

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: SAHGZIE NO. 1

SECTION NENW 5 TOWNSHIP 42S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC WELL SERVICE

RIG # 222

SPUDED: DATE 10-³8-89

TIME 8:40 P.M.

HOW ROTARY

DRILLING WILL COMMENCE 10-3-89

REPORTED BY DONALD S. BARNES

TELEPHONE # (505) 326-5525

DATE 10-4-89 SIGNED LCR



CHUSKA ENERGY COMPANY

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

RECEIVED
OCT 10 1989

October 6, 1989

State of Utah
Division of Oil, Gas & Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84111-2303

DIVISION OF
OIL, GAS & MINING

Gentlemen:

Enclosed you will find six copies of Sundry Notices and Reports on Wells on the Sahzie No. 1.

Very truly yours,

H. Merle Myers

H. MERLE MYERS
Vice-President

HMM:bnp
Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.
NOE 8702-1116

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

RECEIVED
OCT 10 1989

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Chuska Energy Company

8. FARM OR LEASE NAME
Sahzie 4-5-42S24E

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

9. WELL NO.
1

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

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT
Aneth
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T42S, R24E

14. API NO.
43-037-31472

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5900'

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

SUBSEQUENT REPORT OF:

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

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Spud well @ 2040 Hours on 10-2-89

OIL AND GAS	
DRY	RJF
JRE	CLH
	SLS
1-TAS	
MICROFILM	
2-	FILE

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

SIGNED Don S. Barnes

TITLE Operations Manager

DATE 10-4-89

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

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

COMPANY: Chuska Energy Co. COMPANY MAN: _____
WELL NAME: Sahgzie #1 API #: 43037-31472
QTR/QTR: NE/NW SECTION: 5 TWP: 42S RANGE: 24E
CONTRACTOR: Astec drlg. #222 PUSHER/DRLR: _____
INSPECTOR: Glenn DATE: 10/16/89 OPERATIONS: Drilling
SPUD DATE: _____ TOTAL DEPTH: 6181'

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED OCT 25 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CHUSKA ENERGY COMPANY

3. ADDRESS OF OPERATOR
315

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1315' FNL, 2340' FWL

14. PERMIT NO.
43-037-31472

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4771 GR

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SAHGZIE 4-5-42S-24E

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
S-5-T42S - R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE 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>Weekly report</u> <input checked="" type="checkbox"/>	

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

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

10-02-89 MIRU Aztec Well Svc. - Rig 222 Spud Well 8:40 P.M. 10-2-89.

10-03-89 94' - Drill 17-1/2" hole. Ran 2 jts. 13-3/8" 48# conductor csg., set @ 94'. Cement w/ "E" cement to surface. Nu BOP.

10-04-89 970' - Drill 12-1/4" hole.

10-05-89 1500' - Ran 8-5/8" surface casing. Set @ 1500'. Cement to Surface. WOC 14 hours. Pressure test to 1500 psi.

10-06-89 Drill - 7-7/8" hole at 1710'.

10-07-89 Drill - " " at 2985'.

10-08-89 Drill - " " at 3696'.

10-09-89 Drill - " " at 4189'.

OIL AND GAS	
DRM	TRF
JLH	GLH
	SLS
1-TAS	
MICROFILM	
2 - FILE	

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 10/09/89

DONALD S. BARNES

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side



CHUSKA ENERGY COMPANY

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

RECEIVED
OCT 25 1989

**DIVISION OF
OIL, GAS & MINING**

October 20, 1989

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Bldg., Suite 350
Salt Lake City, Utah 84180-1203

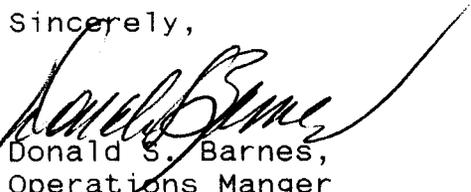
Re: Sahgzie Well No. 1
1315' FNL & 2340' FNL
Sec. 5, Twp. 42S, Rge.
24E, San Juan County, UT

Dear Sir:

Attached you will find Sundry Notices and Reports on Wells for the Sahgzie #1 on plans to perforate, acidize and test.

If you have any questions regarding this, please feel free to call.

Sincerely,


Donald S. Barnes,
Operations Manger

DSB/bc
file:1Sundrpt.Sa1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>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.)</p>		<p>5. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116</p>
<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal</p>
<p>2. NAME OF OPERATOR Chuska Energy Company</p>		<p>7. UNIT AGREEMENT NAME FARM OR LEASE NAME Sahgzie</p>
<p>3. ADDRESS OF OPERATOR 315 N. Behrend Avenue, Farmington, NM 87401</p>		<p>8. WELL NO. 1</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1315' FNL & 2340' FNL At proposed prod. zone</p>		<p>9. DIVISION OF OIL, GAS & MINING</p>
<p>10. FIELD AND POOL, OR WILDCAT Aneth</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5 - 42S - 24E</p>
<p>14. API NO. 43-037-3147a</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4771' GR</p>	<p>12. COUNTY San Juan</p>
		<p>13. STATE Utah</p>

RECEIVED

OCT 25 1989

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 checked="" type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) <input type="checkbox"/>		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START <u>10/25/89</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.

Plan to perforate 5 1/2" casing at 5590'-98', 6544'-64' with 2 SPF. Plan to acidize these perfs with 5600 gallons 28% HCl Acid, then swab back and test.

OIL AND GAS	
DRN	R/JF
JRB ✓	GLH
DTS	SLS
2-TAS	
MICROFILM	
3- FILE	

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 10-20-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
federal approval of this action is required before commencing operations

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10-30-89
BY: John R. Bay

(3/89) operations See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
OCT 25 1989

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116
2. NAME OF OPERATOR Chuska Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR 315 N. Behrend Avenue, Farmington, NM 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 1315' FNL & 2340' FWL		8. FARM OR LEASE NAME Sahgzie
14. PERMIT NO. 43-037-31472		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4771' GR 4785' KB		10. FIELD AND POOL, OR WILDCAT Aneth
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 5 - 42S - 24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT' <input type="checkbox"/>	MULTIPLE 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>Reports of Weekly Activities</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

10-10-89 Drilling @ 4496'.
 10-11-89 Drilling @ 4739'.
 10-12-89 Drilling @ 5075'.
 10-13-89 Drilling @ 5384'.
 10-14-89 Depth 5625'-c/c for DST #
 10-15-89 Depth 5732' - DST #1 Desert Creek 5625' to 5550'. IHP 2821, IFP 267/267, ICIP 2136, FFP 267/267, FCIP 1949, FHydi 2759. Rec 116' of water cut drilling mud, 500' of amonia water cushion.
 10-16-89 Drilling @ 6107'.

OIL AND GAS	
DRN	RJF
JRS	GLH
DT	SLS
1-TAS	
MICROFILM	
2- FILE	
DATE 10-20-89	

18. 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:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
OCT 25 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
315 N. Behrend Avenue, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1315' FNL & 2340' FWL

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4771' GR 4785' KB

14. PERMIT NO.
43-037-31472

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
Sahgzie

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5 - 42S - 24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

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

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

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

10-17-89 Drilling @ 6384'.
10-18-89 TD @ 6411' - c/c hole for logs.
10-19-89 6411'-Finish logging (Prepare to run 5 1/2" casing).
Ran sonic LDt-CNL,ER, DLL, MSFL, GR & side wall cores. Rig to run 5 1/2" casing. Notified Bill Blackard, BLM 1400 hrs @ 10-19-89.
10-20-89 6411'-Ran 160 joints 5 1/2" 15.5/17# K-55 casing set @ 6404'. Cement in 2 stages. Cement 1st stage with 185SX 65/35 light following 625SX salt mond II cement. Circulate WOC 8 hrs between stages. 2nd stage with 1144 SX 65/35 with 250 SX class G.
10-21-89 Job complete 0930 a.m. 10/21/89.
Rig released 10/21/89.

OIL AND GAS	
DRM	RJF
JRC	GLH
	SLS
MICROFILM	
2 - FILE	

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

SIGNED Donald S. Barnes TITLE Operations Manager DATE 10-20-89

(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

October 30, 1989

RECEIVED
NOV 01 1989

DIVISION OF
OIL, GAS & MINING

State of Utah
Oil, Gas & Mining Division
355 West North Temple
Salt Lake City, Utah 84180

ATTENTION: Records Department

RE: Sahgzie 4-5-42S,24E, Well #1
1315 FNL, 2340' FWL
Section 5, T42S, R24E
San Juan County, Utah

Gentlemen:

Attached is the Entity Action Form 6. In accordance with your instructions, I am sending the initial form of spud. As per Don's instructions, the detailed information of spud and first sale of oil will be included on that report.

As I stated, the first sale of oil was to Gary Energy Company on 10-28-89. A completion report will be sent as soon as the completion is finalized.

Please advise if you have any questions or need additional information.

Sincerely,

DONALD S. BARNES
Operations Manager
DSB:bnp
Enclosures

File:DSB\ENTACTSA1

OPERATOR Chuska Energy Company

OPERATOR ACCT. NO. N 9290

ADDRESS 315 North Behrend

Farmington, N. M. 87401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11032	43-037-31472 NO98702-1116	Sahgzie 4-5-42S24E#1	NE NW	5	42S	24E	San Juan	10-01-89	
WELL 1 COMMENTS: Spud @2045 hours 10-01-89. Drilled to a total depth of 6411'. 5 1/2" casing was run to 6404'. Completion report to follow as per State of Utah instructions. First sale of oil on 10-28-89. Gary Energy run ticket #B520328											
WELL 2 COMMENTS: Indian-Lease Proposed Zone-DSCR Field-Greater Aneth (Assign new entity 11032 on 11-2-89) JCK Unit-N/A											
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
NOV 01 1989

DIVISION OF
OIL, GAS & MINING

Donald S. Barnes
Signature Donald S. Barnes
Operations Manager 10-30-89
Title Date

Phone No. (505) 326-5525



CHUSKA ENERGY COMPANY

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

November 2, 1989

NOV 08 1989

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas and Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84111-2303

Re: Sundry Notice and Report on Well, Sahgzie No. 1

Gentlemen:

Enclosed you will find Sundry Notice and Report on well, requesting extended testing at rates in excess of Utah state rules.

Please advise Mr. Don Barnes or Mr. Tom McCarthy at the phone number on the letterhead if you require further information. Your prompt consideration of this will be appreciated.

Sincerely,

H. MERLE MYERS
Vice President - Production

HHM:bnp
Enclosures

File:TRM\FLARSAH1

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back an oil well (see Form 1). Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		3. LEASE DESIGNATION & SERIAL NO. NOG 8702-1116
		6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo Tribal
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		UNIT AGREEMENT NAME
2. NAME OF OPERATOR Chuska Energy Company		8. FARM OR LEASE NAME Sahgzie 4-5-42S24E
3. ADDRESS OF OPERATOR 315 N. Behrend, Farmington, N.M. 87401		9. WELL NO. #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone 1315' FNL & 2340' FWL		10. FIELD AND POOL, OR WILDCAT Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-T42S-R24E
14. API NO. 43-037-31472	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4771' GL	12. COUNTY San Juan
		13. STATE Utah

RECEIVED

NOV 08 1989

DIVISION OF
OIL, GAS & MINING

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) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) Flare		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START 10-28-89			

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

* Must be accompanied by a cement verification report.

Chuska requests administrative approval to flare casinghead gas in excess of state rules for well test purposes. The subject well penetrates a virgin reservoir; therefore, testing at rates in excess of state rules is necessary. Chuska will abide by BLM Rule NTL-4A (allowing maximum flaring of 50 MMCF in 30 days) as an alternative.

OIL AND GAS	
DRN	RJF
GLH <input checked="" type="checkbox"/>	GLH
	SLS
2-TAG 3 - MICROFILM DATE 11-2-89	

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

SIGNED Donald G. Barnes TITLE Operations Manager

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

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

DATE 11-20-89
BY: [Signature]



CHUSKA ENERGY COMPANY

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

RECEIVED
NOV 09 1989

November 6, 1989

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas and Mining
3 Triad Building, Suite 350
Salt Lake City, Utah 84111-2303

RE: Well Completion or Recompletion Report and Log, Sahgzie #1

Gentlemen:

Enclosed you will find the original and two copies of the above-mentioned report.

Sincerely,

DONALD S. BARNES
DSB:bnp

enclosures

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

RECEIVED

NOV 09 1989

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
315 N. Behrend, Farmington, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1315 FNL, 2340' FWL
At top prod. interval reported below
At total depth

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
NOG 8702-1116
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal
7. UNIT AGREEMENT NAME
Sahgzie 4-5-42S24E
8. FARM OR LEASE NAME
#1
9. WELL NO.
#1
10. FIELD AND POOL, OR WILDCAT
Anerh
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
5-42S-24E

14. API NO. 43-037-34721 DATE ISSUED 08-24-89
12. COUNTY San Juan 13. STATE Utah

15. DATE SPUDDED 10-02-89 16. DATE T.D. REACHED 10-21-89 17. DATE COMPL. (Ready to prod.) 11-02-89 (Plug & Abd.) 18. ELEVATIONS (DP, RES, RT, GR, ETC.) 5900 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6411 21. PLUG BACK T.D., MD & TVD 6300 22. IF MULTIPLE COMPL., HOW MANY
23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 5664-5644; 5598-5590 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN MSCT, DL, MSFL, GR SP-Cal; CNL Density, CCL-CBL 12-26-90 27. WAS WELL CORED YES NO (Submit analysis) DRILL STEM TEST YES NO (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	94	17 1/2	98 sx Class G 2% CaCl	-
8 5/8	24/32	1500	12 1/4	480 sx Lite; 180 sx Class E, 2% CaCl	
5 1/2	15.5/17	6404	7 7/8	(2 Stage) 625 sx Salt Bond II	
				1329 sx lite, 250 sx Class G	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A							

31. PERFORATION RECORD (Interval, size and number)		32. ACID. SHOT. FRACTURE. CEMENT SQUEEZE, ETC.	
INTERVAL	HOLES	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5664 - 5644 - 20'	2 JSPF 40 holes	5664-5644	4000 gals. 28% MSR-100 Acid
5598 - 5590 - 8'	2 JSPF 16 holes	5598-5590	1600 gals. 28% MSR 100 Acid

33. PRODUCTION
DATE FIRST PRODUCTION 11-02-89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11-03-89	20	1/2	→	1022	433	0	
FLOW. TUBING PRMB.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
245	250	→	1226	433	0	40°	

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

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 11-06-89
 DONALD S. BARNES

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

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

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS	
Formation	Top	Bottom	Description, contents, etc.
Desert Creek	5550'	5625'	<p>Ran 500' of ammonia water cushion. Open tools @ 11:00 A.M. Initial open for 10 minutes, initial closed in 67 minutes, find flow 30 minutes, final shut in 120 minutes.</p> <p><u>Pressure:</u> 1 HP: 2821, 1FP 267/267, ICIP 2136 FFP 267/267, FCIP 1949, FHP 2795, BHT 130°.</p> <p><u>MFE Chamber:</u> 2400 cc fluid, OCFG @ 140 PSIG w/ a trace of oil and gas (tstm) in chamber. 3.8 OHM-meter @ 70° @ 1500 PPM CL</p>
			<p><u>Name</u></p> <p>De Chelly Organ Rock Cedar Mesa Hermosa Ismay Hovenweep L. Ismay Gothic Shale Desert Creek Chimney Rock sh. Akah Salt Barker Creek</p>
			<p><u>Meas. Depth</u> <u>True Vert. Depth</u></p> <p>2500' 2812' 3480' 4503' 5381' 5486' 5496' 5524' 5542' 5712' 5727' 6158'</p>



CHUSKA ENERGY COMPANY

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

November 28, 1989

RECEIVED
NOV 30 1989

DIVISION OF
OIL, GAS & MINING

State of Utah
Mr. John Baza
Department of Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Bldg., Suite 350
Salt Lake City, Utah 84180-1203

Re: Sahgzie Well No. 1
Section 5, Township 42
South, Range 24 East
1315' FNL & 2340' FWL
San Juan County, Utah

Dear Sir:

Enclosed you will find a Sundry Notices and Reports on Wells for extended flaring.

If you have any questions please feel free to call.

Sincerely,


Donald S. Barnes,
Operations Manager

DSB/bc
Enclosure

file:dsb\lxtflar.451

OIL AND GAS	
DRN	RIF
✓JRB ✓	GLH
DTS	SLS
3 - MICROFILM ✓	
4 - FILE ✓	

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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

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.)

6. IF INDIAN ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sahzie 4-5-42S24E

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5 - T42S - R24E

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chuska Energy Company

3. ADDRESS OF OPERATOR
315 N. Behrend Avenue, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 1315' FNL & 2340' FWL
At proposed prod. zone

14. API NO.
43-037-31472

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4771' GL

12. COUNTY
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 PULL OR ALTER CASING
 FRACTURE TREAT MULTIPLE COMPLETE
 SHOOT OR ACIDIZE ABANDON
 REPAIR WELL CHANGE PLANS
 (Other) Extended Flaring

SUBSEQUENT REPORT OF:

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

We request administrative approval to flare casinghead gas for a time period in excess of 30 days for testing purposes. Flaring started on 11/05/89. As of 11/25/89, it is estimated that 3678 MCFD has been flared. The current gas rate is about 90 MCFD.

We request administrative approval to continue to flare until 12/20/89. When we expect to have a gas sales line installed.

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

SIGNED Donald Barnes TITLE Operations Manager DATE 11-28-89

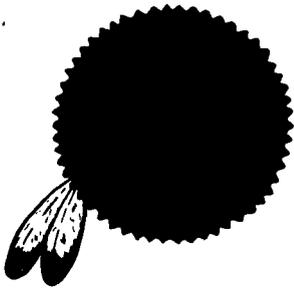
(This space for Federal or State office use)

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

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

See Instructions On Reverse Side

DATE 12-15-89
BY: John R. Dyer



CHUSKA ENERGY COMPANY

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

February 5, 1990

RECEIVED
FEB 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: Sundry, Sahgzie #1, Casing Report

Gentlemen:

Enclosed please find original of the above-referenced Sundry for your files.

Very truly yours,

DONALD S. BARNES
Operations Manager

DSB:bnp
Enclosures
File:DSB\SAH1CSG

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
FEB 07 1990

6. IF INDIAN ALLOTTEE OR TRIBE NAME
Navajo Tribal

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

8. FARM OR LEASE NAME
Sahgzie

Chuska Energy Company

3. ADDRESS OF OPERATOR

9. WELL NO.
#1

315 North Behrend, Farmington, New Mexico 87401

10. FIELD AND POOL, OR WILDCAT
Wildcat

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T42S, R24E

At surface 2349' FNL, 1110' FWL
At proposed prod. zone

14. API NO.

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

12. COUNTY

11. STATE

43-037-31472

5648'

San Juan

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

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

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Ran 140 joints of 5 1/2" casing 5785' of 15.5# casing equipped W/guide shoe, differential float collar and stage collar. Csg. set @ 5775', F/C @ 5734' & stage collar 3265'. Cement first stage W/630 sx. 65/35 Pozmix W/additives followed W/260 sx. Class "G" cement PD @ 1915 hours. Cement second stage 1410 sx. 65/35 Pozmix, tail in W/100 sx. Class "G" cement PD 0240 hours. Circ. cement to surface.

OIL AND GAS	
DPN	RUF
JR3	GLH
DTS	SLS
1-TAS	
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 C. Barnes
DONALD C. BARNES

TITLE Operations Manager

DATE 2-5-90

(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

February 27, 1990

RECEIVED
MAR 05 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 Notices: Sahqzie #1/Anasazi #1 - First Sale of Gas

Gentlemen

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

Please advise if you require additional information concerning these applications.

Sincerely

Donald S. Barnes
Operations Manager

DSB/csw

File: C:\WP\CSWH\ANASAZI\1STGAS.SUN

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

3

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

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.)

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sahgzie

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Wildcat

11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA
S5 T42S R24E

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 1315' FNL, 2340' FWL
At proposed prod. zone Same

14. API NO.
43-037-31472

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
4,771' GR

12. COUNTY 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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON
CHANGE PLANS

SUBSEQUENT REPORT OF:

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION 2-6-90

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.

Chuska Energy Company reports the first sale of gas from this well at 1500 hrs, 2-6-90.

OIL AND GAS	
OPN	R/F
JFB	GLH
DTS	SLS
L-TAS	
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 E. Barnes TITLE Operations Manager DATE 2-27-90
(This space for Federal or State office use)

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

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1. LEASE DESIGNATION & SERIAL NO.

NOG-8702-1116

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.)

2. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

3. UNIT AGREEMENT NAME

4. FARM OR LEASE NAME

Sahzie

5. WELL NO.

#1

6. FIELD AND POOL, OR WILDCAT

Aneth

7. SECTION, RANGE, OR BLM. AND SURVEY OR AREA

Sec. 5, T42S, R24E

8. COUNTY

San Juan

9. STATE

Utah

10. NAME OF OPERATOR
Chuska Energy Company

11. ADDRESS OF OPERATOR
P. O. Box 780, Farmington, New Mexico 87409

12. LOCATION OF WELL (Resort location clearly and in accordance with any State requirements. See use table 17 below.)

At surface 1315' FNL, 2340' FWL
At proposed prod. zone

Same

13. API NO.

43-037-31472

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

5900'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

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

APPROX. DATE WORK WILL START Venting Gas

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

Chuska Energy Company proposes to vent and/or flare gas from this well during the two-week period that the San Juan Gas Plant is shut down. Verbal approval for this venting or flaring was received by Tom McCarthy from Ken Townsend with the Bureau of Land Management on August 15, 1990 .

OIL AND GAS	
DFN	RJF
2 JPB ✓	GLH
DIS	SLS
1-DME ✓	
2-DME ✓	
4	MICROFILM ✓
5	FILE
	8-15-90

17. I hereby certify that the foregoing is true and correct:

SIGNED Thomas R. McCarthy TITLE Reservoir Engineer

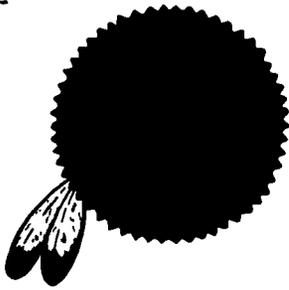
(This space for Federal or State office use)

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

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

DATE: 8-28-90
BY: John R. By

(3/89) Federal approval of this action is required before commencing operations See Instructions On Reverse



CHUSKA ENERGY COMPANY

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

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

9 November, 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

RECEIVED
NOV 13 1990

Ref: Report of Undesireable Event
Spill of Crude Oil - Sahgzie #1

DIVISION OF
OIL, GAS & MINING

43-037-31472 PGW

Dear Sirs

Attached for your information is a final report on the release of crude oil at the Sahgzie #1 well site, which was reported to your office on 10-5-90. Cleanup operations are now complete and all contaminated material has been buried on location.

Please advise if you require additional information concerning this submission.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\CSWH\SAGSPILL

encl.

REPORT OF UNDESIRABLE EVENT CHECKLIST

DATE OF OCCURRENCE/DISCOVERY: 10-5-90 TIME OF OCCURRENCE: 2200 HRS 10-4-90

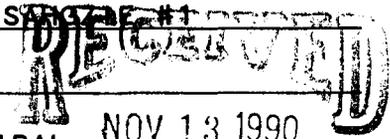
DATE REPORTED TO BLM: 10-6-90 TIME REPORTED: 0840 HRS

BLM OFFICE REPORTED TO (RESOURCE AREA/DISTRICT OFFICE/OTHER): FARMINGTON

LOCATION: SECTION: 5 T. 42S R. 24E MERIDIAN

COUNTY: SAN JUAN STATE: UTAH WELL NAME: SARGENT #1

OPERATOR: CHUSKA ENERGY COMPANY 43-037-31472



SURFACE OWNERSHIP (FEDERAL/INDIAN/FEE/STATE): NAVAJO TRIBAL

MINERAL OWNERSHIP (FEDERAL/INDIAN/FEE/STATE): NAVAJO TRIBAL

LEASE NO.: NOG 8702-1116 UNIT/CA NO.: RIGHT-OF-WAY NO.

TYPE OF EVENT, CIRCLE APPROPRIATE ITEM(S):

BLOWOUT, FIRE, FATALITY, INJURY, PROPERTY DAMAGE, OIL SPILL, SALTWATER SPILL, TOXIC FLUID SPILL, OIL AND SALTWATER SPILL, OIL AND TOXIC FLUID SPILL, SALTWATER AND TOXIC FLUID SPILL, GAS VENTING, UNCONTROLLED FLOW OF WELLBORE FLUIDS, OR OTHER (SPECIFY):

CAUSE OF EVENT: DUMP VALVE ON OIL SIDE OF SEPARATOR FAILED DUE TO PLUGGED MICRO-SWITCH AND SALT BUILD UP IN FLOW LINE

CAUSE AND EXTENT OF PERSONAL INJURIES/CAUSE OF DEATH(S): NIL

EFFECTS OF EVENT: CRUDE OIL OVERFLOWED FROM SEPARATOR INTO RESERVE PIT THEN DOWN WASH APPROXIMATELY 3/10 MILE

ACTION TAKEN TO CONTROL THE EVENT: DUMP VALVE MANUALLY OPERATED TO REROUTE OIL TO STORAGE TANKS.

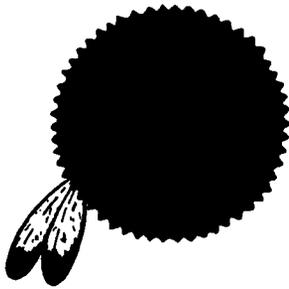
LENGTH OF TIME TO CONTROL EVENT AND SUBSEQUENT CLEAN-UP: DUMP VALVE OPENED IMMEDIATELY ON DISCOVERY ON PUMPER'S ROUNDS. 1 1/2 DAYS TO CLEAN UP WASH, COLLECT/STOCKPILE CONTAMINATED SOIL AND BURY SAME ON LOCATION.

VOLUME(S) OF FLUIDS (SPECIFY): DISCHARGED: 7 BARRELS CONSUMED: RECOVERED: 7 BARRELS

OTHER FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES NOTIFIED (INCLUDE NAMES AND DATE/TIME): STATE OF UTAH DIVISION OF OIL, GAS AND MINING: RON FRITH, 1650 HRS, 10-5-90. NAVAJO TRIBAL MINERALS: ADRIAN HANSEN, 0830 HRS, 10-6-90. NAVAJO TRIBAL EPA: MARIE CLAUDE, 0835 HRS, 10-6-90

ACTION THAT HAS BEEN OR WILL BE TAKEN TO PREVENT RECURRENCE: INCREASED SURVEILLANCE/MAINTENANCE AND PERIODIC MANUAL OPERATION OF EQUIPMENT

SIGNATURE OF OPERATOR (IF REPORT SUBMITTED BY OPERATOR): Larry G. Sorensen DATE: 10-9-90 TITLE: OPERATIONS MANAGER



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

Attn: Vicki Carney

Ref: Electric Logs

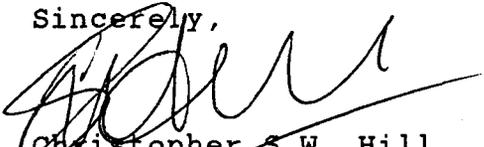
Dear Ms Carney

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

- Rabbit Ears #1 ✓
- Anasazi #1 ✓
- Sahgzie #1 ✓ 425 24E 5 PGW
- Big Bend 8E-1 ✓
- Cajon Mesa 8D-1 ✓
- 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.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				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								

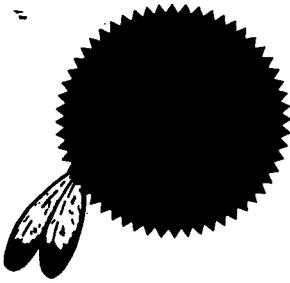
COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____



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. Name Change

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

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

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

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

4. Highlights of Conversation:

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

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- REC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJB	
5- REC	
6-PL	

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

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

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

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

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

Name: **SEE ATTACHED**	API: <u>037 31472</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *BTJ* *3/1/94* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

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

FILING

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

COMMENTS



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

RECEIVED

SEP 07 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

FOR OIL, GAS & MIN

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900

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

See Attached List

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attached List

9. API Well No.

43-037-31472

See Attached List

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan, Utah

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Flaring during plant shut-down
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

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

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

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

cc: Navajo Nation
State of Utah

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

Signed

Richard Montgomery

Title

Production Administrator

Date

Sept 6, 1995

Approved by

Title

Date

Conditions of approval, if any:

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

STATE OF UTAH
NOV 1 1995

Form 3160-5
(June 1990)

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

3. Lease Designation and Serial No.

NOG 8707-1162

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Sahzzie #1

9. API Well No.

43-037-31472

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan, UT

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 (214) 753-6900

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

NE/NW Sec 5-42S-24E
1315' FNL & 2340' FWL

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

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

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

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

As a result of maintenance procedures performed by Elkhorn Operating between September 18 and 27, 1995 Harken Southwest vented 54 MCF of gas on the subject well.

CC: State of Utah
Navajo Nation

ACCEPTED FOR RECORD

OCT 1995

FARMINGTON DISTRICT OFFICE

Ray Hoque

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

Signed

R. Montgomery

Title Production Administrator

Date

10/2/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-037-31472

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

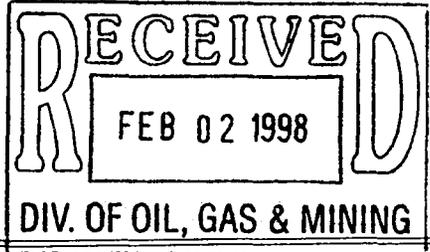
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input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

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

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



I hereby certify that the foregoing is true and correct

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

(This space for Federal or State office use)

Approved by _____ 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.

LARKEN 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-26E	Runway 10G-1 43-037-31515 SW/NE Sec 10-40S-26E
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-26E	Momentum 8N-2 43-037-31509 SE/SW Sec 8-40S-26E	Momentum 17E-2 43-037-31547 SW/NW Sec 17-40S-26E	Cajon Mesa 8D-1 43-037-31497 NW/NW Sec 8-40S-26E	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	20
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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
SEE ATTACHED

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:
SEE ATTACHED

1. TYPE OF WELL OIL WELL GAS WELL OTHER SEE ATTACHED

8. WELL NAME and NUMBER:
SEE ATTACHED

2. NAME OF OPERATOR:
RIM Southwest Corporation

9. API NUMBER:
SEE ATTACH

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

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 <small>(Submit in Duplicate)</small> 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 <small>(Submit Original Form Only)</small> Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Corporate Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

RECEIVED

APR 23 2001
DIVISION OF
OIL, GAS AND MINING

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

(This space for State use only)

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

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

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

COMMENTS: _____

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

Date: April 13, 2001

Signature


 Susan M. Herrera

RECEIVED

Telephone Number

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

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

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

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

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

COMMENTS: _____

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

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number (505) 326-0550

APR 13 2001

DIVISION OF
 OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

12/1/2000

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

CA No.

Unit:

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

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

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

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

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

DATA ENTRY:

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

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator

RIM SOUTHWEST CORPORATION

9. API Well No.

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

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

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]

Ext. Oct 15, 2001

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 9/17/01
Initials: [Signature]

RECEIVED

SEP 14 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	- 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	- 43-037-31000
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	- 43-037-31472
	Anasazi #1	05-42S-24E	67	- 43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	- 43-037-31515
	Runway 10C-5A	10-40S-25E	SI	- 43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	- 43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	- 43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	- 43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	- 43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	- 43-037-31708
	Jack 31G	31-41S-24E	SI	- 43-037-31709
	Mule 31K (N)	31-41S-24E	7	- 43-037-31617
	Mule 31M	31-41S-24E	24	- 43-037-31710
		TOTAL AVERAGE	254	



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

ANALYSIS NO. HSC80013
 CUST. NO. 33500- 10095

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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



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

ANALYSIS NO. HSC80012
 CUST. NO. 33500- 10015

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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



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

ANALYSIS NO. HSC80009
 CUST. NO. 33500- 10080

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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



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

ANALYSIS NO. HSC00018
 CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

CQM, INC. 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 UT	SAMPLE TEMP	69 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E308719	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,714.3	CYLINDER #	A002
DRY BTU @ 14.696	1,719.7	CYLINDER PRESSURE	14 PSIG
DRY BTU @ 14.730	1,723.7	DATE RUN	12/22/00
DRY BTU @ 15.025	1,758.2	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 GPM = 2.469
	Total GPM = 11.227

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

Gas Compressibility = 0.9939

CQM, INC. ON-SITE GAS ANALYSIS T 2
 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	CYLINDER #	KFL148
DRY BTU @ 14.696	1,384.4	CYLINDER PRESSURE	23 PSIG
DRY BTU @ 14.730	1,387.6	DATE RUN	12/22/00
DRY BTU @ 15.025	1,415.4	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

Gas = 1584.681

Actual = 1611.115

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.487

Butane GPM = 1.811

Gasoline GPM = 1.512

26# Gasoline GPM = 2.826

Total GPM = 12.084

Real Relative Density Calculated = 0.9508

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9934

CQM, INC. ON-SITE GAS ANALYSIS

U. 2

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	CYLINDER #	AZT047
DRY BTU @ 14.696	1,597.1	CYLINDER PRESSURE	15 PSIG
DRY BTU @ 14.730	1,600.8	DATE RUN	12/26/00
DRY BTU @ 15.025	1,632.9	ANALYSIS RUN BY	AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS L-1 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

Cross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1555.948	Propane GPM = 2.703
Sat. = 1530.436	Butane GPM = 1.533
Actual = 1555.948	Gasoline GPM = 1.890
(0.000 lbs. water/MMCF)	26# Gasoline GPM = 3.037
	Total GPM = 10.332

Real Relative Density Calculated = 0.9133
 On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939



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

ANALYSIS NO. HSC00018
 CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

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

REMARKS

ANALYSIS

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

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

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

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

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

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

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.876	0.000	0.018	
Methane	65.826	666.381	0.365	
CO2	0.039	0.000	0.001	
Ethane	16.765	297.360	0.174	4.484
H2S (approx)	0.000	0.000	0.000	
Propane	9.827	247.829	0.150	2.708
i-Butane	0.865	28.194	0.017	0.283
n-Butane	2.514	82.204	0.050	0.793
i-Pentane	0.633	25.384	0.016	0.229
n-Pentane	0.787	31.623	0.020	0.288
Hexanes	0.689	32.844	0.021	0.283
Heptanes	0.166	9.155	0.006	0.077
Octanes	0.013	0.814	0.001	0.007
Ideal Total	100.000	1421.788	0.837	9.151
Unnormalized Total	94.894			

Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730)	Gasoline Content
Dry = 1428.837	Propane GPM = 2.708
Sat. = 1405.444	Butane GPM = 1.076
Actual = 1428.837	Gasoline GPM = 0.884
(0.000 lbs. water/MMCF)	26# Gasoline GPM = 1.676
	Total GPM = 9.151

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

Gas Compressibility = 0.9951



Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

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

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

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

2. DOGM Employee (name) DUSTIN DOUCET (Initiated Call)
Talked to:
Name Wayne Townsend (Initiated Call) - Phone No. (505) 599 6359
of (Company/Organization) BLM

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

4. Highlights of Conversation: Wayne has had several meetings with
Navajo Nation, Navajo EPA, Navajo minerals, Navajo Health and Human Services,
the Department of Justice, US EPA, Texaco, Exxon-Mobil, western Gas & the
Red Mesa & Aneth chapters. 12.5 miles of pipeline (downstream from
Aneth Plant) no good. Options: a) rebuild 12.5 miles of pipeline - Row expires
2005 western's 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 [1950's - no go]
c) Use 6" Conoco Line - convert to gas and truck liquids from plant - talks broke down 9/11/01.
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). HES 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: CRD

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

Federal Approval of This
Action is Necessary

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

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

W. J. Holcomb

Title **Vice President**

Signature

[Signature]

Date **11/01/01**

RECEIVED

NOV 09 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

**DIVISION OF
OIL GAS AND MINING**

Approved by

Title

Date

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

Office

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

FILE

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

3b. Phone No. (include area code)

P.O. Box 145, Farmington, NM

(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

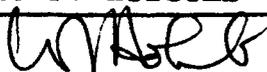
14. I hereby certify that the foregoing is true and correct

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

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

NOV 23 2001

Office

**DIVISION OF
OIL, GAS AND MINING**

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

RIM SOUTHWEST CORPORATION

LEASE NUMBER	WELL NAME	SEC-TWN-RNG	ESTIMATED GAS	
			VENTED	MCF/DAY
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahzie #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 *082908 2008*

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

5. Lease Serial No. **7**
NOG 8702-1162

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

7. If Unit or CA. Agreement Designation

8. Well Name and No.
Sahzie #1

9. API Well No.
43-037-31472

10. Field and Pool, or Exploratory Area
Desert Creek

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)
NE NW sec 5 T 42 N R 24E

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 be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, 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 Kundrik* Date **9/2/2008**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by _____ Title _____ Date **SEP 09 2008**

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**

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)

MOCD - Wick

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

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

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

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

5. Lease Serial No.
NOG 8707-1162

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

7. If Unit or CA. Agreement Designation

8. Well Name and No.
Sahgzie #1

9. API Well No.
43-037-31472

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)
NE NW Sec 5 T 42N R 24E
S

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

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

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

Returned to sales on Friday, February 27, 2009.

RECEIVED
MAR 12 2009

DIV. OF OIL, GAS & MINING

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

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

Signature *Kenneth J Kundrik* Date **3/2/2009**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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Office **ACCEPTED FOR RECORD**

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MAR 09 2009

(Instructions on reverse)

FARMINGTON FIELD OFFICE
BY *CM*

UTAH **OCD**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 30 2010

FORM APPROVED
OMB No. 1004-0135

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NOG 8707-1162
2. Name of Operator RIM Southwest Corp.		6. If Indian, Allottee, or Tribe Name The Navajo Nation
3a. Address 5 Inverness Drive East, Englewood CO 80112	3b. Phone No. (include area code) 303-799-9828	7. If Unit or CA. Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NW Sec 5 T 42S R 24E		8. Well Name and No. Sahgzie #1
		9. API Well No. 43-037-31472
		10. Field and Pool, or Exploratory Area Greater Aneth
		11. County or Parish, State San Juan Co., Utah

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 recompleation 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 Monday, September 13, 2010.

RECEIVED

OCT 18 2010

DIV. OF OIL, GAS & MINING

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

Signature *Kenneth J. Kundrik* Date 9/14/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by _____ Title _____ Date OCT 04 2010

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 _____

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(... on reverse)

Utah

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

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 11032
2. NAME OF OPERATOR: Navajo Nation Oil and Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
3. ADDRESS OF OPERATOR: P. O. Box 5069 Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: 303-534-8300		8. WELL NAME and NUMBER: Sahgzie #1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1315 FNL & 2340 FWL		9. API NUMBER: 43-037-31472
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE NW sec. 5 T42S R24E		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
COUNTY: San Juan		
STATE: UTAH		

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

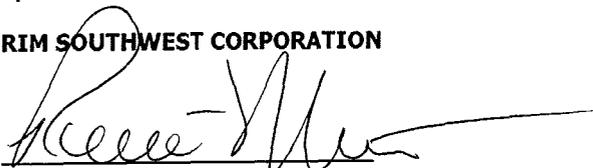
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

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

RIM SOUTHWEST CORPORATION


RENE MORIN, VICE-PRESIDENT

Bond No. RLB 0006712

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

(This space for State use only)

APPROVED

DEC 11 2012

DIV. OIL GAS & MINING
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: NOG-8702-1162
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS CO		8. WELL NAME and NUMBER: SAHGZIE 1
3. ADDRESS OF OPERATOR: P.O. Box 4439, Window Rock, AZ, 86515		9. API NUMBER: 43037314720000
PHONE NUMBER: 303 534-8300 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1315 FNL 2340 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 05 Township: 42.0S Range: 24.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/24/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On vent as of December 24, 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 12/28/2012	

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:

8/1/2010

FROM: (Old Operator):
 N2550- Navajo Oil & Gas Cp.
 1625 Broadway, Suite 1100
 Denver, CO 80202
 Phone: 1 (303) 534-8300

TO: (New Operator):
 N3930- NNOGC Exploration & Production, LLC
 1625 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: 12/31/2012
- Is the new operator registered in the State of Utah: Business Number: 8399948-0165
- (R649-9-2)Waste Management Plan has been received on: Not Yet
- Inspections of LA PA state/fee well sites complete on: 12/31/2102
- Reports current for Production/Disposition & Sundries on: 12/31/2012
- 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 8/1/2012
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 8/1/2010
- 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: 12/31/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2012
- Bond information entered in RBDMS on: 12/31/2012
- Fee/State wells attached to bond in RBDMS on: 12/31/2012
- Injection Projects to new operator in RBDMS on: 12/31/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/31/2012

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 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:

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

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

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

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



September 18, 2012

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

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

RE: Change of Operator Name and Address for Wells

Dear Rachel,

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

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

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

The name and address change is as follows:

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

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

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

Sincerely,

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

Katie Hynes
Associate Landman

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

The new Entity is:

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

NEW DOGM No. : 3930

Bond No. RLB0006712

Effective: July 10, 2010

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

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

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

Effective: Aug 1, 2012

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

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

DEC 31 2012

DIV. OIL GAS & MINING

BY: Rachel Medina (See Instructions on Reverse Side)

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