

* 1-1-73 - Effective - Humble Oil & Refining was changed to Exxon Co. U.S.A.

** Effective 2-1-73, Walter Duncan Oil Properties purchased Navajo 116 from Exxon

FILE NOTATIONS

Entered in NID File ✓
Entered On S R Sheet 7
Location Map Pinned ✓
Card Indexed ✓
I W R for State or Fee Land

Checked by Chief PMB
Copy NID to Field Office ✓
Approval Letter ✓
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW / WW TA
GW OS PA

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log
Electric Logs (No.) 3
E I E-I ② GR GR-N Micro ②
Lat Mi-L Sonic gr Others

Copy Handled
(SUBMIT IN TRIPLICATE)

Indian Agency _____

| | | |
|--|----|--|
| | | |
| | 31 | |
| | o | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. _____

2

SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | | SUBSEQUENT REPORT OF REDRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 18, 1953

Well No. 116-1 is located 1953 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 1946 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 31

SS NW $\frac{1}{4}$ SE $\frac{1}{4}$ 41 South - 25 East SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan County, Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5076 ft. *Ge*

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

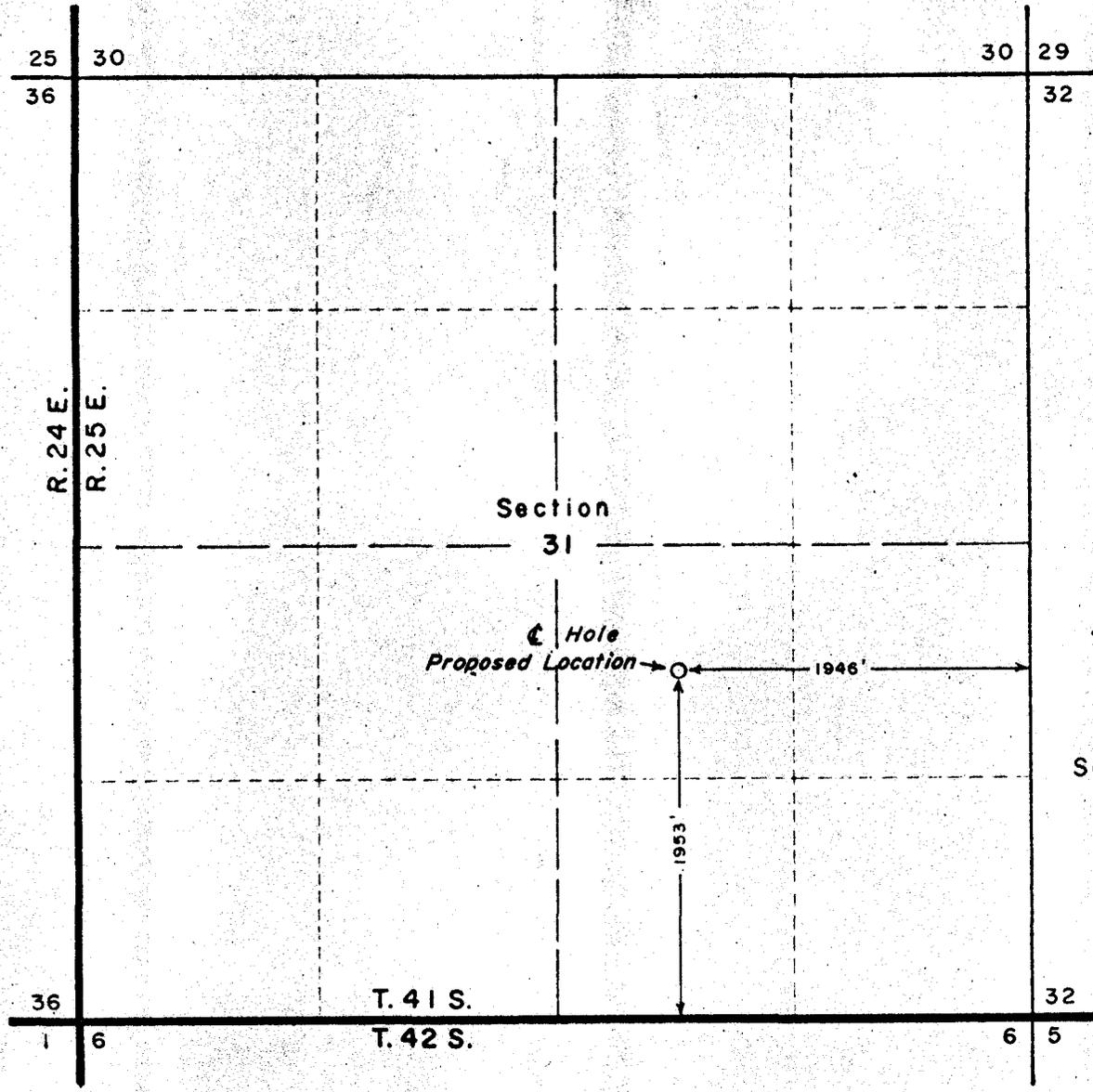
- Run 150 feet of 13-3/8" casing, cemented to the surface.
- Will drill through the Navajo formation at approximately 1300 feet.
- If excessive water throw is encountered, will run 8-5/8" ~~intermediate~~ ^{intermediate} string and attempt to produce water through the annulus.
- Will drill to a depth to adequately test the Desert Creek formation.
- All shows of oil or gas will be drill-stem tested, and electric logs run to total depth.
- 5-1/2" casing will be run if commercial production is encountered, otherwise the well will be plugged and abandoned in accordance with your prevailing regulations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company ZOLLER AND DANNEBERG
Address 324 Patterson Building
Denver, Colorado 80202

By *[Signature]*
K. I. DANNEBERG
Title Partner

20



Scale 1" = 1000'

WELL LOCATION: Zoller & Danneberg - Navajo 116-1

Located 1953 feet North of the South line and 1946 feet West of the East line of Section 31,
 Township 41 South, Range 25 East, Salt Lake Base & Meridian.
 San Juan Co., Utah
 Existing ground elevation determined at 5067 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Utah # 2689



| | |
|---|---------------------------------------|
| ZOLLER & DANNEBERG Denver, Colorado | |
| WELL LOCATION Section 31 - T. 41 S. - R. 25 E. San Juan Co., Utah | |
| E. M. CLARK & ASSOC. Durango, Colorado | DATE: Sept. 11, 1963 FILE NO 63054 |

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ZOLLER AND DANNEBERG

324 PATTERSON BUILDING
DENVER 2, COLORADO

September 18, 1963

Utah Oil and Gas
Conservation Commission
310 Newhouse Building
Salt Lake City 10, Utah

RE: Notice of Intention to Drill
Well No. 116-1
NW SE Section 31-41S-25E
San Juan County, Utah

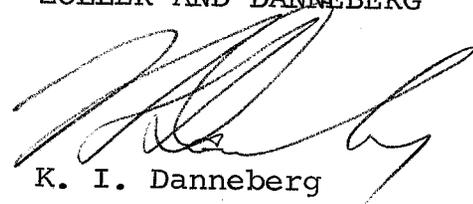
Gentlemen:

Enclosed please find two copies each of the
drilling intention and certified staking plat on the
above-described location.

Please indicate your approval on copy of
this letter.

Very truly yours,

ZOLLER AND DANNEBERG



K. I. Danneberg

KID:mob
attachments

accepted this 20 day of September, 1963.
UTAH OIL AND GAS CONSERVATION COMMISSION

BY _____

29

September 20, 1963

Zoller & Danneberg
324 Patterson Building
Denver, Colorado 80202

Attention: K. I. Danneberg, Partner

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 116-#1, which is to be located 1953 feet from the south line and 1946 feet from the east line of Section 31, Township 41 South, Range 25 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHILL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if the above well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be

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Zoller & Danneberg

-2-

September 20, 1963

completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: P. T. McGrath, District Engineer
U. S. Geological Survey
Farmington, New Mexico

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah

18

October 21, 1963

Re: Walter Duncan 116-1
Sec. 31-T41S-R25E, SLM
San Juan County, Utah

U. S. Geological Survey
Box 959
Farmington, New Mexico

ATTENTION: Mr. Phil McGrath

Dear Mr. McGrath:

Enclosed are five copies each of the following reports
pertaining to the captioned well:

Change of Operator (from Zoller and
Danneberg to Walter Duncan)
Subsequent Report of Water Shut-Off.

Yours very truly,

WALTER DUNCAN


Raymond T. Duncan

RTD:br
Encls.

cc: Utah Oil & Gas Conservation Commission ✓
310 Newhouse Building, Salt Lake City, Utah
(with 2 copies each of enclosures)

cc: Zoller and Danneberg

100 5 5 100

Hand ID file 496

Copy H-L-E

Form 9-331 (May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN REVERSE SIDE

Form approved. Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-373

6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo (Tribal Lands)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [X] GAS WELL [] OTHER []
2. NAME OF OPERATOR Walter Duncan
3. ADDRESS OF OPERATOR Post Office Box 137, Durango, Colorado
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1953' PSL, 1946' FEL, (NW/4 SE/4) Section 31, Township 41 South, Range 25 East, SLM
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3076 (DF)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Navajo 116-1

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLC. AND SURVEY OR AREA Sec. 31, T41S., R 25E.

12. COUNTY OR PARISH San Juan 13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [] PULL OR ALTER CASING [] WATER SHUT-OFF [] REPAIRING WELL []
FRACTURE TREAT [] MULTIPLE COMPLETE [] FRACTURE TREATMENT [] ALTERING CASING []
SHOOT OR ACIDIZE [] ABANDON* [] SHOOTING OR ACIDIZING [] ABANDONMENT* []
REPAIR WELL [] CHANGE PLANS [] (Other) Change of Operator [X]
(SUBSEQUENT REPORT OF: (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.)*

Change Operator from: ZOLLER AND DANNEBERG, 324 Patterson Building, Denver, Colorado
to: WALTER DUNCAN, P. O. Box 137, Durango, Colorado

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] for WALTER DUNCAN DATE October 21, 1963

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT TO STATE DEPARTMENT OF THE INTERIOR
(Other information on reverse side)

Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|--|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-32 |
| 2. NAME OF OPERATOR WALTER DUNCAN | | 6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo (Tribe) |
| 3. ADDRESS OF OPERATOR Post Office Box 137, Durango, Colorado | | 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 1953' FSL, 1946' FEL (NW/4 SE/4) Section 31 Township 41 South, Range 25 East, SLM | | 8. FARM OR LEASE NAME |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR. etc.) 5076 (DF) | 9. WELL NO. Navajo 116-1 |
| | | 10. FIELD AND POOL OR WILDCAT |
| | | 11. SEC. T, E, M, OR BLK. AND SURVEY OR AREA Sec. 31-T41S-R25E |
| | | 12. COUNTY OR PARISH 13. STATE San Juan Utah |

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

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

(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.)*

October 17, 1963:
**Set 187 joints 4-1/2" casing at 5952' with 100 sacks 6% gel,
 100 sacks Neat. PD 12:15 A.M., October 18, 1963.**

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

SIGNED *Walter Duncan* **WALTER DUNCAN** DATE **October 21, 1963**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

12/2

October 24, 1963

Mr. Walter Duncan
P. O. Box 137
Durango, Colorado

Re: Well No. Navajo #1
Sec. 8, T. 42 S, R. 25 E.,
San Juan County, Utah

Dear Mr. Duncan:

Reference is made to our telephone conversation of October 24, 1963. Please find enclosed a photostat copy of the approval letter for the above mentioned well. It should be noted that as of this date, a designation of agent has been filed for Southland Royalty Company.

Regarding Well No. Navajo 116-#1, located in Section 31, Township 41 South, Range 25 East, San Juan County, Utah, our records indicate that you are now the operator of this well. In accordance with Rule A-4, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, you are also required to file a Designation of Agent with this office. We are enclosing forms for your convenience.

Your cooperation in this request will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:cnp

Enclosures

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October 30, 1963

Mr. Walter Duncan
Box 137
Durango, Colorado

Re: Designation of Agent

Dear Mr. Duncan:

We are returning the Designation of Agent Form you filed with this Commission. If you will note at the bottom of this form, the agent you designation must be a resident of the State of Utah.

Thank you for your kind attention to this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

Enclosure

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WALTER DUNCAN
OIL PROPERTIES
P. O. BOX 137
DURANGO, COLORADO

WEST BUILDING

November 1, 1963

PHONE CH 7-1196
Area Code 303

Re: Walter Duncan Navajo 116-1
31-41S-25E, SLM
San Juan County, Utah

Utah Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Gentlemen:

We have received your letter of October 30th with regard to the Designation of Agent.

We have no agent who is a resident of Utah whom we would wish to entrust with the receipt of notices from the Commission relative to production and/or operations on the Navajo 116-1. We can appoint our pumper as representative; however, we would like to specifically state that any notices sent to him should also be sent to Raymond T. Duncan in Durango.

We would appreciate your response to this arrangement.

Yours very truly,

WALTER DUNCAN

RTD:br


Raymond T. Duncan

13
R.

Copy to WHE

WALTER DUNCAN
OIL PROPERTIES
P. O. BOX 137
DURANGO, COLORADO

*PHS
7*

WEST BUILDING

PHONE CH 7-1196

November 4, 1963

Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Gentlemen:

An oil-gas ratio test was made on the well below described with results as reported herewith:

| | |
|----------------|---|
| Well: | Walter Duncan, Navajo 116-1 |
| Location: | 1953 FSL, 1946 FEL Sec. 31, T. 41 S., R. 25 E., San Juan County, Utah |
| Date of Test: | November 1, 1963 |
| Gas-Oil Ratio: | 452 cubic feet of gas per barrel of oil. |

We trust this letter will meet the requirements of your Rule C-19. If this report is required on a particular form, would you please send a supply of the forms at your convenience. ✓

Yours very truly,

WALTER DUNCAN


Raymond T. Duncan

RTD:br

cc: USGS, Farmington

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*Carol
Horn
file
1/10*

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DU. A.L.E.*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo (Tribal Lands)

7. UNIT AGREEMENT NAME

None

8. FARM OR LEASE NAME

9. WELL NO.

Navajo 116-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 31, T41S-R25E, SLM

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Zoller and Danneberg - Walter - Dunsmuir

3. ADDRESS OF OPERATOR
Box 137, Durango, Colorado

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

At surface **1953 FSL, 1946 FEL (NW/4 SE/4) Sec. 31., Township 41 South, Range 25 East**

At top prod. interval reported below

At total depth

14. PERMIT NO. **--** DATE ISSUED **--**

15. DATE SPUDDED **9-26-63** 16. DATE T.D. REACHED **10-18-63** 17. DATE COMPL. (Ready to prod.) **11-3-63** 18. ELEVATIONS* (DF, RKB, RT, GR, ETC.)* **5076 DF** 19. ELEV. CASINGHEAD **5066**

20. TOTAL DEPTH, MD & TVD **5956** 21. PLUG, BACK T.D., MD & TVD **--** 22. IF MULTIPLE COMPL., HOW MANY* **--** 23. INTERVALS DRILLED BY ROTARY TOOLS **XX** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5754-5800, Desert Creek formation

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
ES-Induction; Gamma Ray-Sonic; Microlog

27. WAS WELL CORED
Yes

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---------------|-----------------|----------------|---------------|--------------------------|---------------|
| 13-3/8 | 24 | 165 | 17-1/4 | 150 sacks | |
| 4-1/2 | 10.5 | 5952 | 7-7/8 | 100 sacks 6% gel, | |
| | | | | 100 sacks Neat | |

29. LINER RECORD **None** 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------------|----------------|-----------------|
| | | | | | 2-3/8 | 5789 | 5730 |

31. PERFORATION RECORD (Interval, size and number)
Perforated 5754-5800 with 4 shots jet

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 5754-5800 | 250 gal. mud acid |
| | 5000 gal. 15% HCl |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump) | WELL STATUS (Producing or shut-in) | | | | | |
|-----------------------|---|------------------------------------|-------------------------|------------|------------|-------------------------|----------------|
| 10-27-63 | Flowing | Producing | | | | | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
| 11-3-63 | 24 | 18/64 | → | 255 | | none | 492 - 1 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) | |
| 225 | -- | → | | | | 40.5 | |

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

TEST WITNESSED BY
C. H. Thomas

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 *[Signature]* TITLE _____ DATE **Nov. 11, 1963**

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form, and in 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, of intervals, top(s), bottom(s) and name(s) (if any) 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.)

NOV 13 1963

37. SUMMARY OF POROSITY ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF. CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME, TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|------------------------------|------------|---|-----------------------------|
| Drillstem Test No. 1: | 5720-5835. | Strong blow of gas immediately. Burned with 15' flare. Mud to surface 45 min. Oil to surface 50 min. Flowed 5 min. Shut in. Recovered 2060' of oil, 90' of thin, watery drilling mud. Initial flow pressure 563#; final flow pressure 1217#. Initial shut-in pressure: 2039#, final shut-in pressure 2024#. | |
| Core No. 1: | 5835-85. | Cored 50', recovered 50' of limestone and dolomite, gray, very fine- to medium crystalline, with abundant anhydrite infilling. | |

38. GEOLOGIC MARKERS

| NAME | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|--------------|-------------|-----|------------------|
| Chinle | 1755 | | |
| DeChelly | 2852 | | |
| Organ Rock | 3075 | | |
| Hermosa | 4770 | | |
| Ismay Shale | 5555 | | |
| Ismay Car- | | | |
| bonate | 5587 | | |
| Paradox | | | |
| Shale | 5731 | | |
| Desert Creek | 5750 | | |
| C Shale | 5939 | | |

WALTER DUNCAN
OIL PROPERTIES
P. O. BOX 137
DURANGO, COLORADO

WEST BUILDING

PHONE CH 7-1196

November 22, 1963

Re: Zoller & Danneberg -
Walter Duncan, Navajo
116-1, Sec. 31-T41S-R25E
San Juan County, Utah

State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

ATTENTION: Miss Clarella N. Peck

Dear Miss Peck:

In reply to your letter of November 14, 1963 we enclose in duplicate Report of Water Encountered During Drilling pertaining to the captioned well.

We also wish to thank you for the supply of forms for reporting Gas-Oil Ratio Tests which were sent to us under date of November 13, 1963. The instructions printed on the reverse side of these forms refer to "Field Operating Rules". Would you please send us a copy of these rules at your earliest convenience.

Yours very truly,

WALTER DUNCAN


Raymond T. Duncan

RTD:br
Encl.

Sent 11-27-63

PMB

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number: Walter Durcan, Navajo 116-1

Operator: Walter Duncan Address: Box 137, Durango, Colorado

Telephone: Durango, Colorado, Area Code 303, 247-1196

Contractor: Arapahoe Drilling Company Address: Denver, Colorado

Location: NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 31, T. 41 S., R. 25 E., San Juan County, Utah

Water Sands:

| <u>Depth</u> | | <u>Volume</u> | <u>Quality</u> |
|--------------|-----------|--------------------------|-----------------------|
| <u>From</u> | <u>To</u> | <u>Flow Rate or Head</u> | <u>Fresh or Salty</u> |
| 945 | 1750 | Unknown | Probably fresh |
| 2852 | 3075 | Unknown | Probably salty |

Formation Tops:

| | |
|--------------|------|
| Navajo | 945 |
| Chinle | 1750 |
| DeChelly | 2852 |
| Organ Rock | 3075 |
| Hermosa | 4770 |
| Ismay | 5587 |
| Desert Creek | 5750 |

2
11

July 3, 1964

Walter Duncan
P.O. Box 137
Durango, Colorado

Re: Well No. Navajo #116-1,
Sec. 31, T. 41 S., R. 25 E.,
San Juan County, Utah

Dear Mr. Duncan:

Reference is made to our telephone conversation of June 26, 1964. As of this date, we still have not received your Production Reports for the above mentioned well.

Your immediate attention in filing these reports monthly from October, 1963, to May, 1964, will be appreciated. We would also like to remind you that these reports are to be filed in the future, on or before the 20th day of each month.

Copies of the United States Geological Survey Form 9-329, "Lessee's Monthly Report of Operations", will suffice.

Very truly yours

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
SUPERVISING CLERK STENOGRAPHER

CNP/al

2

JMS

ARAPAHOE DRILLING CO.

5303 EAST EVANS • P. O. BOX 22273 • WELLSHIRE BRANCH
DENVER, COLORADO 80222

JOHN E. SCHALK
MANAGING PARTNER

AREA CODE 303
TELEPHONE 757-5431

September 21, 1964

Walter Duncan, Inc.
P. O. Box 137
Durango, Colorado

Re: Navajo #116-2
San Juan County, Utah

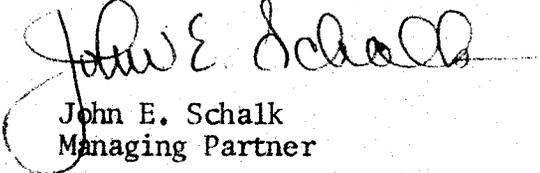
Gentlemen:

In response to your request of September 17, 1964 may we advise as follows regarding hole deviation:

| <u>Date</u> | <u>Depth</u> | <u>Deviation</u> |
|-------------|--------------|------------------|
| 7-13-64 | 170' | 3/4° |
| 7-15-64 | 1503' | 3° |
| 7-16-64 | 2276' | 2-1/2° |
| 7-16-64 | 2649' | 3-1/2° |
| 7-17-64 | 3135' | 3° |
| 7-19-64 | 3537' | 1/2° |
| 7-20-64 | 3817' | 1-1/2° |
| 7-21-64 | 4225' | 1/4° |
| 7-23-64 | 4783' | 3/4° |
| 7-26-64 | 5319' | 1/4° |

Yours very truly,

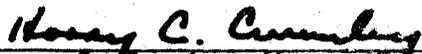
ARAPAHOE DRILLING CO.


John E. Schalk
Managing Partner

STATE OF COLORADO) SS
COUNTY OF DENVER)

On this 21st day of September, 1964 before me, a Notary Public, in and for said County, personally appeared John E. Schalk for Arapahoe Drilling Co. and who is personally known to me, and makes oath that the matters set forth in the above statement are true.

My commission expires June 26, 1968.


Harry C. Crumley, Notary Public

57

#

WALTER DUNCAN
OIL PROPERTIES
POST OFFICE BOX 137
DURANGO, COLORADO

September 23, 1964

Re: Walter Duncan - Zoller & Danneberg
Navajo 116-2
Sec. 6, T42S-R25E, SLM
San Juan County, Utah

Oil and Gas Conservation Commission
of the State of Utah
348 East South Temple
Suite 301
Salt Lake City, Utah

Gentlemen:

Enclosed is a certified statement of deviations in
the drilling of the captioned well, by Arapahoe Drilling
Company.

Yours very truly,

WALTER DUNCAN


Raymond T. Duncan

RTD:br
Encl.
cc:
USGS
Zoller & Danneberg
Warrior Oil Company
Mr. H. E. Zoller, Sr.
Mr. E. A. Obering
Humble Oil & Refining Company
La Salle

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS DATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo 116

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Big Wash

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

31-418-25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Zoller & Danneberg

3. ADDRESS OF OPERATOR
c/o Walter Duncan, Box 137, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 2008' S/N, 682' W/E, Sec. 31, T41S, R25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4689 (ground)

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) surface casing

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Set 5 joints 13-3/8", 45#, 150' set at 163' with 160sx of 2% CaCl PD 2:15 p.m., July 12, 1965

Copies to:

- USGS
- Oil & Gas Commission
- Zoller & Danneberg
- Superior Oil Company
- Humble Oil & Refining Company
- H. E. Zoller, Sr.
- Warrior Oil Company
- Arapsahoe Drilling Company
- La Salle
- Denver

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

SIGNED

[Signature]

for ~~NAME~~

Zoller & Danneberg

DATE

July 13, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS FORM
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo 116

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Big Wash

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

31-41S-25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Zoller & Danneberg

3. ADDRESS OF OPERATOR

c/o Walter Duncan, Box 137, Durango, Colorado

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

2008' S/N, 682' W/E, Sec. 31
T41S-R25E, SLM

14. PERMIT NO.

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

4689 (ground)

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)

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.)

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.)*

Ran 41 joints 8-5/8", 24# casing
1325.57' set at 1305' KB. Ran float,
shoe, 3 centralizers, cement basket,
150sx Reg. 2% CaCl. PD 4:00 a.m. (MDST),
July 14, 1965.

Copies to: USGS
Oil & Gas Commission ✓
Zoller & Danneberg
Superior Oil Company
Humble Oil & Refining Company
H. E. Zoller, Sr.
Warrior Oil Company
Arapahoe Drilling Company
La Salle
Denver

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

SIGNED

[Signature]

for

Zoller & Danneberg

DATE July 14, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

La Salle State Bank Bldg.
654 First Street
La Salle, Illinois
Box 211

Walter Duncan
Oil Properties

May 9, 1967

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah 84111

Attention: Miss Jan S. Wayman

Re: Big Wash Field,
San Juan County, Utah

Gentlemen:

This is to acknowledge receipt of your letter of May 3rd, advising us Walter Duncan has not filed Form OGCC-4, "Report of Operations and Well Status Report" or Form 9-329, "Lessee's Monthly Report of Operations" for the month of March, 1967.

We assume your letter refers to the Navajo Tract #116, Southeast White Mesa Area, San Juan County, Utah.

Effective March 1, 1967, operations of this lease were taken over by Humble Oil & Refining Company, and, according to our records, a copy of the Lessee's Monthly Report of Operations was filed by Humble Oil & Refining Company and sent to you. Therefore, we would appreciate it if you would amend your records to indicate future reports will be received by you from Humble.

Yours truly,

Walter Duncan Oil Properties

By George Kamps

GL/kr

cc: Humble Oil & Refining Company
Box 120
Denver, Colorado
cc: Humble Oil & Refining Company
2000 Classen Bldg., Wester-North
Oklahoma City, Oklahoma 73106
cc: Mr. Raymond T. Duncan

EXXON COMPANY, U.S.A.
P.O. Box 1600, Midland, Texas 79701

January 3, 1973

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

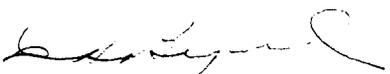
Gentlemen:

Effective on January 1, 1973, Humble Oil & Refining Company merged into its parent corporation. On that date all of the rights, assets, and liabilities of Humble will accrue to and be assumed by Exxon Corporation.

After January 1, 1973, all invoices, payments, notices or other communications which were sent previously to Humble should be sent to Exxon Corporation, P. O. Box 1600, Midland, Texas 79701.

We would appreciate your cooperation in helping us make these changes, and we want to assure you that our policies and business relationships with you will remain the same.

Sincerely,


L. H. Byrd

DLC:mej

EXXON COMPANY, U.S.A.

May 8, 1973

File No. 22-3

Navajo Tract 116
Navajo Tract 125
Exxon-Superior Tract 115

Utah Oil & Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84111

Attention: Jan Wayman

Gentlemen:

The following information is provided as per your telephone request of May 4, 1973.

~~Navajo Tract 116~~, (Lease No. 14-20-603-373, located NW/4 SE/4 Section 31, T-41-S, R-25-E, San Juan County, Utah) was sold to Walter Duncan Oil Properties, 1800 Security Life Building, Denver, Colorado 80202, effective at 7:00 a.m. February 1, 1973.

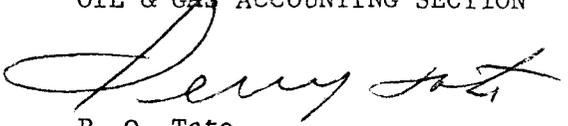
~~Navajo Tract 125~~ (Lease No. 14-20-603-700, located SW/4 Section 21 and NW/4 Section 28, T-41-S, R-25-E, San Juan County, Utah) and ~~Exxon-Superior Tract 115~~ (Lease No. 14-20-603-264, located NE/4 Section 29, T-41-S, R-25-E, San Juan County, Utah), were transferred to The Superior Oil Company, P. O. Drawer G, Cortez, Colorado 81321, for producing and operation responsibilities effective February 1, 1973. Exxon Corporation remains an interest owner in these two leases but The Superior Oil Company is the actual lease operator, as well as an interest owner.

Effective February 1, 1973, Walter Duncan Oil Properties and The Superior Oil Company should commence submitting monthly reports for these three properties.

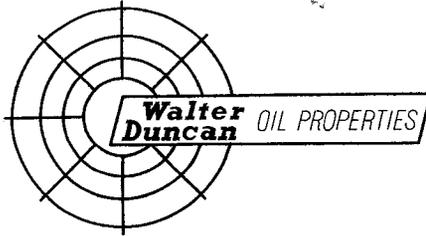
We trust the above will assist you in maintaining records for the named leases.

Yours very truly,

OIL & GAS ACCOUNTING SECTION


P. Q. Tate
Unit Head

JWS:mej



1777 SOUTH HARRISON STREET • PENTHOUSE ONE
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

October 14, 1983

RECEIVED
OCT 17 1983

State of Utah
Oil, Gas & Mining Division
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF
OIL, GAS & MINING

ATTN: Cleon B. Feight, Director

RE: Navajo Tract 116
SE White Mesa Field
San Juan Co., UT

Dear Mr. Feight:

Duncan is hereby requesting your approval for off-lease measurement of gas production from the Navajo 116-1, NW SE Sec. 31-41S-25E, San Juan County, UT.

This well has been producing since 1963. When Duncan took over operations from Exxon in February, 1973, requirements for off-lease measurement were not in effect. We now wish to comply.

METER DESCRIPTION: Rockwell Type 201
50 PSI Spring Inverted Chart

METER LOCATION: At a point on the El Paso Natural Gas Co.
Purchasing line: 3336.85' West and 749.45'
North 50° 30' West from the SE corner of
Section 25-41S-24E S.L.M. San Juan Co., UT

Duncan's request for off-lease measurement of oil was approved June 20, 1968 by the USGS, and August 30, 1968 by the State of Utah.

Please contact our office if you require additional information.

Very truly yours,
RAYMOND T. DUNCAN

John W. Lowry

John W. Lowry
District Drilling and Prod. Supt.

JWL:cl

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 14-20-600-373 UT-293
 Communitization Agreement No. NA
 Field Name Aneth (White Mesa)
 Unit Name Navajo 116-1
 Participating Area NA
 County San Juan State Utah
 Operator Raymond T. Duncan, et al

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 1984

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

| Well No. | Sec. & 1/4 of 1/4 | TWP | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|----------|-------------------|-----|-----|-------------|------------|-----------------|-------------|-------------------|--|
| 1 | 31 NWSE | 41S | 25E | POW | *22 | 504 | 1,219 | None | API #43-037-15390 *Waiting for new pump |

cc: Denver Office - John W. Lowry
 cc: Schalk Development Co.
 cc: State of Utah Dept of Natural Resources - 2 ✓
 cc: Premier Resources Ltd.
 cc: Warrior Oil Co.
 cc: Superior Oil Co.
 cc: H. E. Zoller, Jr.
 cc: Navajo Nation
 cc: Kenneth E. Carter
 cc: H. E. Zoller Sr., deceased
 cc: File

RECEIVED
FEB 27 1984
DIVISION OF
OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

| | Oil & Condensate (BBLS) | Gas (MCF) | Water (BBLS) |
|--------------------------|-------------------------|----------------------|----------------------|
| *On hand, Start of Month | 634 | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Produced | 504 | 1,219 | None |
| *Sold | 119 | 1,219 | XXXXXXXXXXXXXXXXXXXX |
| *Spilled or Lost | None | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Flared or Vented | XXXXXXXXXXXX:XXXXXX | None | XXXXXXXXXXXXXXXXXXXX |
| *Used on Lease | None | None | XXXXXXXXXXXXXXXXXXXX |
| *Injected | None | None | None |
| *Surface Pits | XXXXXXXXXXXX:XXXXXX | XXXXXXXXXXXXXXXXXXXX | None |
| *Other (Identify) | None | None | None |
| *On hand, End of Month | 1019 | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content | 40.1 | 1439 | XXXXXXXXXXXXXXXXXXXX |

Authorized Signature: Sheraldene Kertman Address: Box 211, La Salle, Illinois 61301
 Title: Production Clerk 2/23/84

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLE
(Other instructions
verse side)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
MAR 29 1989
DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Raymond T. Duncan

3. ADDRESS OF OPERATOR
1777 S. Harrison St., P-1, Denver, CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1953' FSL & 1946' FEL
(NW SE)

14. PERMIT NO.
43-037-15390

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5067' GL

5. LEASE DESIGNATION AND SERIAL
14-20-603-373

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo (Tribal Lands)

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Navajo

9. WELL NO.
116-1

10. FIELD AND POOL, OR WILDCAT
Aneth (White Mesa)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31-T41S-R25E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

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 checked="" 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) <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.)*

During a routine pump change, drilling mud was found in the pump and anchor. Raymond T. Duncan proposes to repair casing leaks in this well. Duncan will cement holes located from 910-925' and from 1902'-2220'. The casing below 2220' has been tested to 1000 psi. The casing above 2220' will be tested to 200 psi. A pressure gauge will be installed on the surface casing valve to monitor the annulus for any signs of communication. Verbal approval to continue with present isolation procedure was given by Steve Mason on 3-23-89.

I hereby certify that the foregoing is true and correct

SIGNED John A. Bettridge TITLE Operations Superintendent DATE March 27, 1989
(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: 4-10-89
BY: John R. Bay

*See Instructions on Reverse Side

Federal approval of this action is required before commencing operations.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

Form Approved
Budget Bureau No. 404-0115
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|---|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-373 |
| 2. NAME OF OPERATOR Raymond T. Duncan | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo (Tribal Lands) |
| 3. ADDRESS OF OPERATOR 1777 S. Harrison St. P-1, Denver, CO 80210 | | 7. UNIT AGREEMENT NAME N/A |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1953' FSL & 1946' FEL | | 8. FARM OR LEASE NAME Navajo |
| 14. PERMIT NO. 43-037-15390 | | 9. WELL NO. 116-1 |
| 15. ELEVATIONS (Show whether dr, rt, ca, etc.) 5067' GL | | 10. FIELD AND POOL, OR WILDCAT Aneth (White Mesa) |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-T41S-25E |
| | | 12. COUNTY OR PARISH San Juan |
| | | 13. STATE UT |

RECEIVED
MAY 15 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 checked="" type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | |

(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.)*

The subject well was repaired as per the attached procedure.

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

SIGNED J. A. Bettridge TITLE Operations Superintendent DATE May 10, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Navajo 116-1

3/16-3/22/89

MIRU. POOH w/rods and pump. Release a.c. and attempt to pull, could not get free. Circulate hole @ 5 BPM and work anchor free. POOH. Had drlg mud and formation debris on anchor. PU & RIH w/bit and scraper. Tag PBID @ 5850'. POOH w/bit & scraper. PU & RIH w/HP and pkr. Set BP @ 5604'. Begin testing to isolate holes. Srfc +910', tested ok

- 910-925' - hole in csg - comm w/srfc
- 925-1903' - tested ok to 500 psi
- 1903-2218' - hole in csg, esp @ 2190' have big hole
- 2220-6204' - test good to 1000 psi

PU & RIH w/RBP and set @ 950' and cap w/2 sx sd.

3/23/89

Load hole w/2 BSW, well went on vac. RIH w/6 jts tbg to 187', RU Halco. Pump 10 bbls FW @ 1 BPM @ 170 psi. Pump 35 sx G w/.4% HAI-322 @ 2 BPM. Taking cmt on vac. SD & disp to 675', close valve, wait 1 hr. Well still on vac, wait 3 hrs on cmt. Fill hole w/5 Ebls, went on vac @ 1 BPM, load hole w/5 Bbls, mix 75 sx G w/.4 Hal 322, 15.8 ppg, took cmt @ 2 BPM @ 0 psi. Air bubbling below srfc csg. Disp to 675' @ 0 psi, SI tbg valve 5 min, open ann & tbg, no vac after 1/2 min. POOH w/tbg, shut blind rams. DC \$5,600 CC \$18,500

3/24/89

Filled hole w/7 BW, 1.1 BPM @ 300 psi, went on vac after SD. Wait 4 hrs on cmt, RIH w/7 stds to 436', RU Halco, est rate @ 3/4 BPM @ 275 psi, mix & pump 75 sx B w/2% CaCl (15.7 Bbl). After 1 Bbl into ann, rate 1/3 BPM @ 300 psi. Press staged 200-300, staged 3 times from 250-50 psi. Test to 150 psi on 3rd stg, rel press, flowed .5 Bbl back fluid @ srfc. POOH w/tbg, SI. SDFN. DC \$4,105 CC \$22,676

3/25/89

Press to 100 psi, held ok. PU & RIH w/3-7/8" mill on 3-1/8" DC's & 2-3/8" tbg. Tag cmt @ 418'. Drlg stringers to 476'. Fell free to 802'. Drl cmt 802-860', firm to 885', hard to 911', fell thru @ 911'. Circ hole clean. Test to 200 psi, held ok. POOH w/mill, RIH w/ pkr & 1 std. Test wellhead to 200 psi, held ok. SI well, SDFN. DC \$2,405 CC \$25,081

3/26/89

SDFS

3/27/89

PU & RIH w/rtrv head, circ off SN, POOH w/RBP. RIH w/2-3/8" tbg to 5310', dump 25 sx sd @ 5604'. Disp tbg w/10 bw, POOH 66 stds, EOT @ 1416', RU Halco, est rate @ .5 BPM @ 250 psi, mix & pump 150 sx B neat w/cmt @ hole,

2 BPM @ 250 psi w/87 sx in 1/2 BPM @ 250 psi. Disp to EOT. Final sqz 300 psi, well flowing back, sqz to 300 psi. SI & held press for 30 min, bleed off press. RD Halco, POOH w/tbg & load hole. SI. SDFN. DC \$7,148 CC \$32,229

3/28/89

Filled hole w/7 BW, inject @ 3/4 BPM @ 250 psi. PU & RIH w/2-3/8" tbg. Tag cmt @ 1111', POOH w/tbg. RIH w/pkr to 1062', use pkr to isolate hole 295-355'. POOH w/pkr, RU Halco, mix & pump cmt w/2% CaCl. Pump @ 1/4 BPM @ 300 psi w/10 sx pumped. Press incr to 400 psi, SD 15 min, press again to 400 psi. Reverse out excess. POOH & bleed down. SI. SIFN. DC \$3,982 CC \$36,211

3/29/89

PU & RIH w/mill. Tag cmt @ 215', drld hard cmt to 315', fell thru. Test to 200 psi, held ok. RIH to 1088', drl cmt to 1628', circ hole clean. PU mill to 1038'. SI, SDFN. Fluid standing in hole. CC \$39,362

3/30/89

RIH w/9 stds @ 1628', drld cmt to 2247'. Circ hole clean, SDFN. DC \$2,445 CC \$41,807

3/31/89

Drl cmt 2247-2438', fell thru. RIH to 2483', no cmt, circ hole clean. RIH to 3070', no cmt. POOH w/tbg, collars & mill. PU pkr & RIH to 245' & set. Test to 200 psi down tbg, held to 100 psi in 5 min. Test ann to 200 psi, held to 125 psi in 5 min. POOH w/pkr, PU & RIH w/rtrv head, tag sn @ 5590'. Circ sn & cmt pieces off RBP. Latch onto plug, RD circ. RU swab & RIH. Hit paraffin @ 1000', made 1 run, could not get below 1300'. SI, SDFN. DC \$2,967 CC \$44,774

4/1/89

Circ hole clean w/150 BW, RD circ, ru swab. RIH & swab FL to 2300', Had paraffin BU @ 900-1000'. RIH w/knife on sand, circ and clean out. Swab FL to 3400', hit tite spot in tbg, rec 49.5 BF. Open RBP bypass, rel plug & pooh w/tbg, found crimped jt & LD. SI, SDFN. DC \$3,147 CC \$47,921

4/2/89

SDFS

4/3/89

ID DC's. PU & RIH w/2-3/8" tbg as follows:

| | |
|--------------------------------------|-------------|
| KB | 12' |
| nbc | .2' |
| 1 jt | 28.36' |
| sn | 1.10' |
| 7 jts | 203.07' |
| 30 M# 5 hrs | .8' |
| 188 jts | 5562.15' |
| pup | 6.04 + 6.1' |
| EOT @ 5820' KB sn @ 5791' ac @ 5586' | |

ND BOP & set ac w/14 M# tension, NU wellhead. PU 2" x 1-1/2 x 18 RWBC, 4 new 3/4" rods & RIH w/total of 156 3/4", 73 7/8", 1 7/8" x 6' x 1 7/8 x 2'. Set pump & spaced out +1' off bottom. Test tbg to 425 psi w/pump, held ok. Left on loc: 6 jts good 2-3/8" tbg

9 jts junk 2-3/8" tbg
2 7/8" rods - good
4 3/4" rods - bad

DC \$3,552 CC \$51,473

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.
14-20-603-373

6. If Indian, Allottee or Tribe Name
Navajo (Tribal Lands)

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Navajo 116-1

9. API Well No.
43-037-15390

10. Field and Pool, or Exploratory Area
Aneth (White Mesa)

11. County or Parish, State
Sec 31-T41S-R25E

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Raymond T. Duncan

3. Address and Telephone No.
1777 S. Harrison St. P-1 Denver, CO. 80210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1953' FSL & 1946' FEL NWSE

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>time extension</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.)*

Raymond T. Duncan requests an additional sixty day extension to provide information regarding paying status of the subject lease. The Navajo 116-1 well and lease are in the process of being sold to Chuska Energy Company and the additional time is needed to complete the transaction and allow the operator opportunity to submit the necessary information.

CC: State of Utah
Oil and Gas Division
3 Triad Center, Ste 350
Salt Lake City, UT 84180

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

RECEIVED

OCT 09 1991

DATE: 10-9-91
BY: [Signature]
DIVISION OF OIL GAS & MINING

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

Signed Marie O'Keefe Title Engineering Technician Date October 7, 1991

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

| | |
|--|---|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | 5. Lease Designation and Serial No. 14-20-603-373 |
| 2. Name of Operator Raymond T. Duncan | 6. If Indian, Allottee or Tribe Name Navajo (Tribal Lands) |
| 3. Address and Telephone No. 1777 S. Harrison St. P-1 Denver, CO 80210 | 7. If Unit or CA, Agreement Designation N/A |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1953' FSL & 1946' FEL NWSE | 8. Well Name and No. Navajo 116-1 |
| | 9. API Well No. 43-037-15390 |
| | 10. Field and Pool, or Exploratory Area Aneth (White Mesa) |
| | 11. County or Parish, State Sec 31 T41S-R25E |

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>time extension</u> (revised) |
| | <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.)*

Raymond T. Duncan requests an extension until December 31, 1991 to provide information regarding paying status of the subject lease. The Navajo 116-1 well and lease are in the process of being sold to Chuska Energy Company and the additional time is needed to complete the transaction, change operatorship, and allow the new operator time to complete a planned re-work in order to increase well productivity. If, at the end of the extension period, there is no prod. in paying quantities, the operator will plug and abandon the well per BLM and state requirements.

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

RECEIVED

CC: State of Utah
Salt Lake City, UT

DATE: 10-18-91

OCT 15 1991

BY: [Signature]

DIVISION OF
OIL GAS & MINING

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

Signed Maria O'Keefe Title Engineering Technician Date 10-10-91

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
14-20-603-373

6. If Indian, Allottee or Tribe Name

Navajo (Tribal Lands)

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

116-1

9. API Well No.

4303715390

10. Field and Pool, or Exploratory Area

Aneth (White Mesa)

11. County or Parish, State

San Juan UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Raymond T. Duncan

3. Address and Telephone No.

1777 S. Harrison St. P-1 Denver, Co. 80210

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

1953' FSL & 1946' FEL T41S R25E Sec 31

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Change of operator
 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.)*

Effective November 1, 1991 Raymond T. Duncan sold the captioned well to Chuska Energy Co.

RECEIVED

FEB 10 1992

DIVISION OF
OIL GAS & MINING

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

Signed Mavis O'Keefe

Title Sr. Engineering Technician

Date 2-7-92

(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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *[Handwritten initials]*

| | |
|-------------------|--------|
| 1- LCR | 7- LCR |
| 2- DTS | TS |
| 3- VLC | |
| 4- RJF | |
| 5- RWM | |
| 6- ADA | |

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: 11-1-91)

| | | | |
|-------------------|------------------------------|------------------------|---------------------------------|
| TO (new operator) | <u>CHUSKA ENERGY COMPANY</u> | FROM (former operator) | <u>DUNCAN, RAYMOND T.</u> |
| (address) | <u>3315 BLOOMFIELD HWY</u> | (address) | <u>1777 S HARRISON ST PH #1</u> |
| | <u>FARMINGTON, NM 87401</u> | | <u>DENVER, CO 80210</u> |
| | <u>LARRY SESSIONS</u> | | |
| | phone <u>(505) 326-5525</u> | | phone <u>(303) 759-3303</u> |
| | account no. <u>N 9290</u> | | account no. <u>N 0360</u> |

Well(s) (attach additional page if needed): #14-20-603-373

| | | | | |
|------------------------------------|--------------------------|--------------------|---|---------------------------|
| Name: <u>116-1 NAV TRIBAL/DSCR</u> | API: <u>43-037-15390</u> | Entity: <u>545</u> | Sec <u>31</u> Twp <u>41S</u> Rng <u>25E</u> | Lease Type: <u>INDIAN</u> |
| 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

- 1 (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-10-92)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 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: _____.
- * 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.
- LCR 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(4-23-92)*
- LCR 6. Cardex file has been updated for each well listed above. *(4-23-92)*
- LCR 7. Well file labels have been updated for each well listed above. *(4-23-92)*
- LCR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-23-92)*
- LCR 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

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

- RM 1. All attachments to this form have been microfilmed. Date: April 29 1992.

FILING

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

COMMENTS

920423 Bfm/Mcab "Handled through Farmington, NM office".

920423 Process per administrative decision.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other
 2. Name of Operator
 Raymond T. Duncan
 3. Address and Telephone No.
 1777 S. Harrison St. P-1, Denver, CO 80210
 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1953' FSL & 1946' FEL T41S R25E Sec 31 NWSE

5. Lease Designation and Serial No.
 14-20-603-373
 6. If Indian, Allottee or Tribe Name
 Navajo (Tribal Lands)
 7. If Unit or CA, Agreement Designation
 N/A
 8. Well Name and No.
 Navajo 116-1
 9. API Well No.
 43-037 15390
 10. Field and Pool, or Exploratory Area
 Aneth (White Mesa)
 11. County or Parish, State
 San Juan Cnty, Utah
 Sec 31-T41S-R25E

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

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|---|
| <input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Sale of Well</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small> |

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

Effective November 1, 1991, Raymond T. Duncan sold this well to Chuska Energy Co. Chuska is the operator.

RECEIVED

JUN 13 1992

DIVISION OF
OIL, GAS & MINING

CC: State of Utah
Salt Lake City, UT

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

Signed Marie O'Keefe Title Sr. Engineering Technician Date June 16, 1992

(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

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9290

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT (Highlight Changes)

| Well Name API Number Entity Location | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|---|-------------------|----------------|--------------|--------------------|----------|------------|
| | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| 116-1 NAVAJO TRIBAL | | | | | | |
| ✓ 4303715390 00545 41S 25E 31 | DSCR | | | | | |
| NAVAJO TRIBAL 23-13 | | | | | | |
| ✓ 4303730971 09420 40S 24E 13 | DSCR | | | | | |
| NAVAJO TRIBAL 42-2 | | | | | | |
| ✓ 4303731017 09425 42S 24E 2 | DSCR | | | | | |
| NAVAJO TRIBAL 24-13 | | | | | | |
| ✓ 4303730970 09435 40S 24E 13 | DSCR | | | | | |
| NAVAJO TRIBAL 41-2 | | | | | | |
| ✓ 4303731041 09437 42S 24E 2 | DSCR | | | | | |
| NAVAJO TRIBAL #32-26 | | | | | | |
| ✓ 4303731060 09990 40S 22E 26 | DSCR | | | | | |
| NAVAJO TRIBAL 14-10 | | | | | | |
| ✓ 4303730977 10130 40S 24E 10 | DSCR | | | | | |
| SAHGZIE NO. 1 | | | | | | |
| ✓ 4303731472 11032 42S 24E 5 | DSCR | | | | | |
| ANASAZI #1 | | | | | | |
| ✓ 4303731478 11042 42S 24E 5 | DSCR | | | | | |
| CAJON MESA 8-D-1 | | | | | | |
| ✓ 4303731497 11074 40S 25E 8 | DSCR | | | | | |
| MONUMENT #8-N-2 | | | | | | |
| ✓ 4303731509 11087 40S 25E 8 | DSCR | | | | | |
| TOWER #1 I-2 | | | | | | |
| ✓ 4303731507 11088 40S 25E 1 | ISMY | | | | | |
| RUNWAY 10G #1 | | | | | | |
| ✓ 4303731515 11105 40S 25E 10 | DSCR | | | | | |
| TOTALS | | | | | | |

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

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

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

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

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

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

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

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

Other
Oper. Nm. Change

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

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

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

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

4. Highlights of Conversation:

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

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

| | |
|----------|--------|
| Routing: | |
| 1-LEC | 7-SJ ✓ |
| 2-DTS | 8-FILE |
| 3-VLC | |
| 4-RJE | ✓ |
| 5-LEC | |
| 6-PL | ✓ |

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

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

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

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

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

| | | | | | | |
|-------------------------------|-------------------------|---------------|------------|------------|------------|-------------------|
| Name: **SEE ATTACHED** | API: <u>43637-15390</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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
OTS 3/12/94
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

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

FILING

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

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

| | | |
|---|--|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Designation and Serial No. 14-20-603-373 |
| 2. Name of Operator HARKEN SOUTHWEST CORPORATION | | 6. If Indian, Allottee or Tribe Name NAVAJO |
| 3. Address and Telephone No. P. O. BOX 612007, DALLAS, TX 75261-2007 214/753-6900 | | 7. If Unit or CA, Agreement Designation N/A |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1953' FNL & 1946' FEL SEC 31-41S-25E | | 8. Well Name and No. NAVAJO 116 #1 |
| | | 9. API Well No. 43-037-15390 |
| | | 10. Field and Pool, or Exploratory Area 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 type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

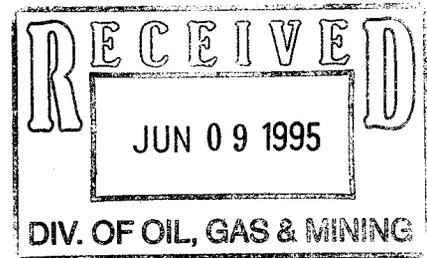
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Harken Southwest (HSW) has recently drilled two more wells on this same lease. HSW's technical staff believes this wellbore could be utilized at a future date. Therefore, HSW plans to maintain the subject wellbore for secondary recovery operations.

The well will maintain a Shut-in Status.

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



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

Signed *Michelle Montgomery* Title PRODUCTION ADMINISTRATOR Date 6/08/95
(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB - 5 1996

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

| | |
|--|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | 5. Lease Designation and Serial No. BIA 14-20-603-373 |
| 2. Name of Operator Harken Southwest Corporation | 6. If Indian, Allottee or Tribe Name Navajo |
| 3. Address and Telephone No. P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900 | 7. If Unit or CA, Agreement Designation N/A |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/4, SE/4 Section 31, T41S, R25E 1953' FNL & 1946' FEL | 8. Well Name and No. Navajo Tribal # 116-1 |
| | 9. API Well No. 43-037-15390 |
| | 10. Field and Pool, or Exploratory Area 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 type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other <u>Surface Restoration</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.)*

The subject well was plugged and abandoned on December 20, 1995. Following well plugging, surface rehabilitation operations and location reseeding operations were concluded on January 29, 1996. Verbal reseeding notification was given to Ron Snow, BLM, on December 19, 1995. Required surface restoration stipulations are complete.

CC: State of Utah
Navajo Nation
BIA - Gallup

Attachment: 1

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

Signed Richard D. Brown Title Operations Manager Date February 1, 1996

(This space for Federal or State office use)

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

SOUTHWEST SEED INC
 13260 C.R. 29
 DOLORES, CO 81323
 (303) 565-8722

SEED FOR ALL NEEDS
 SEED CONSULTING SERVICE

PLS SEED MIXTURE ANALYSIS

| ITEM | SPECIES / VARIETY | LOT # | ORIG | PURE | INERT | CROP | WEED | R/N | NOX | GERM | PLS % | DATE | PLS lbs | BULK # | % OF MIX | |
|------|-------------------------------|-------|------|-------|-------|------|------|-----|-----|-------|-------|----------|---------|--------|----------|--------|
| 1 | GRASS W: ALKALI SACATON VNS | 05003 | KS | 93.14 | 5.94 | 0.12 | 0.74 | NF | NF | 82.00 | 76.37 | 11/22/95 | 2.00 | | 2.62 | 12.50 |
| 2 | WHEATGR: WESTERN VNS | 04612 | WA | 86.77 | 12.08 | 0.02 | 0.13 | NF | NF | 90.00 | 78.09 | 08/31/95 | 8.00 | | 10.24 | 50.00 |
| 3 | FOUR WING SALT BUSH NM NATIVE | 04335 | NM | 95.80 | 4.16 | 0.04 | 0.00 | NF | NF | 63.00 | 60.35 | 04/14/95 | 6.00 | | 9.94 | 37.50 |
| | | | | | | | | | | | | | 16 | | 22.81 | 100.00 |

M05039-2

NAVAJO TRIBAL MIX 116-6

BWR

1 BAG AT

22.81 BULK LBS (16 PLS LBS)

THE DATE IS 01/24/96
 THE TIME IS 18:31:24

Richard O. Quinn

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB - 5 1996

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

14-20-603-373

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo 116 #1

9. API Well No.

43-037-15390

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Drawer 612007 Dallas, Texas 75261

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

1953' FNL & 1946' FEL
Sec 31-41S-25E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

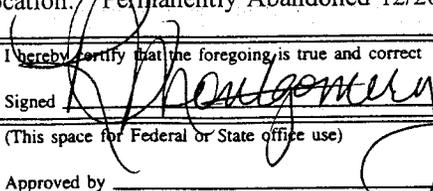
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

The subject well failed a MIT in December 1994. Verbal approval to plug and abandon was received from BLM engineer Steve Mason. The subject well was permanently P&A'd as follows:
RIH TO 5684' KB, set cmt retainer @ 5684' KB. Mixed 30 sx CL B cmt & circ to end of tbg. Stung in and pumped 19 sx below retainer. Place 7sx on top of retainer. **Plug #1** - 5800-5538' KB (262') w/30 sxs. Covered Ismay Top @ 5588' KB. Max squeeze press 500 psig. Perf Hermosa @ 4824' KB w/4 JSPF, 90° phasing - all shots fired. Set cmt ret @ 4767' KB. Press up to 1000 psi to establish rate into Hermosa perfs; could not establish. **Plug #2** - 4767-4617' KB (150' in csg) w/11 sxs. Covered Hermosa top @ 4771' KB. Perf DeChelly @ 2902' KB w/4 JSPF - all shots fired. Set cmt retainer @ 2844' KB. Est rate into DeChelly @ 3 BPM/200 psig. Pump 42 sxs Cl B cmt thru retainer (max squeeze press 1000 psig @ 1/4 BPM). Place 11 sxs Cl B on top of retainer. **Plug #3** - 2902'-23702' KB (200') w/53 sxs. Covered DeChelly top @ 2852' KB. Perforate Chinle @ 1807' KB w/4 JSPF. Set cmt retainer @ 1745' KB. Est rate into Chinle @ 1/8 - 1/4 BPM @ 1000 psig. Pump 24 sxs of cmt thru retainer (max press 1400 psig). Place 8 sxs cmt on top of retainer. **Plug #4** - 1807-1630' (177') w/32 sxs. Covered Chinle top @ 1757' KB. Perforate 215' KB (50' below 13-3/8" csg shoe) w/3 JSPF. Set cmt retainer @ 185' KB. Pump 5 sx Cl B cmt to squeeze perfs @ 215' KB. Max squeeze press > 1400 psig. Stung out of retainer, reversed tbg clean. **Plug #5** - 215-175' KB(40') w/6 sxs. Perforated 158' KB. Est rate @ 1.5 BPM/1000 psig. Pump 50 sxs cmt. **Plug #6** - 50 sx C-lite cmt, 50 sxs Cl B cmt from 158'-120' KB in 4-1/2" csg & calculated 823'-158' KB outside 4-1/2" in 4-1/2-7-7/8" annulus. **Plug #7** - 120' to surf inside 4-1/2" csg w/15 sxs Cl B w/3% CaCl₂ accelerator. **Plug #8** - 15 sxs Cl B from 13' to surf in 4-1/2" - 13-3/8" annulus and topped off 4-1/2" csg. Cut off csg below surface and weld on regulation subsurface P&A marker. All operations and plugs witnessed and approved by Ron Snow - BLM representative on location. Permanently Abandoned 12/20/96

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

Signed 

Title Production Administrator

Date 02/01/96

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date