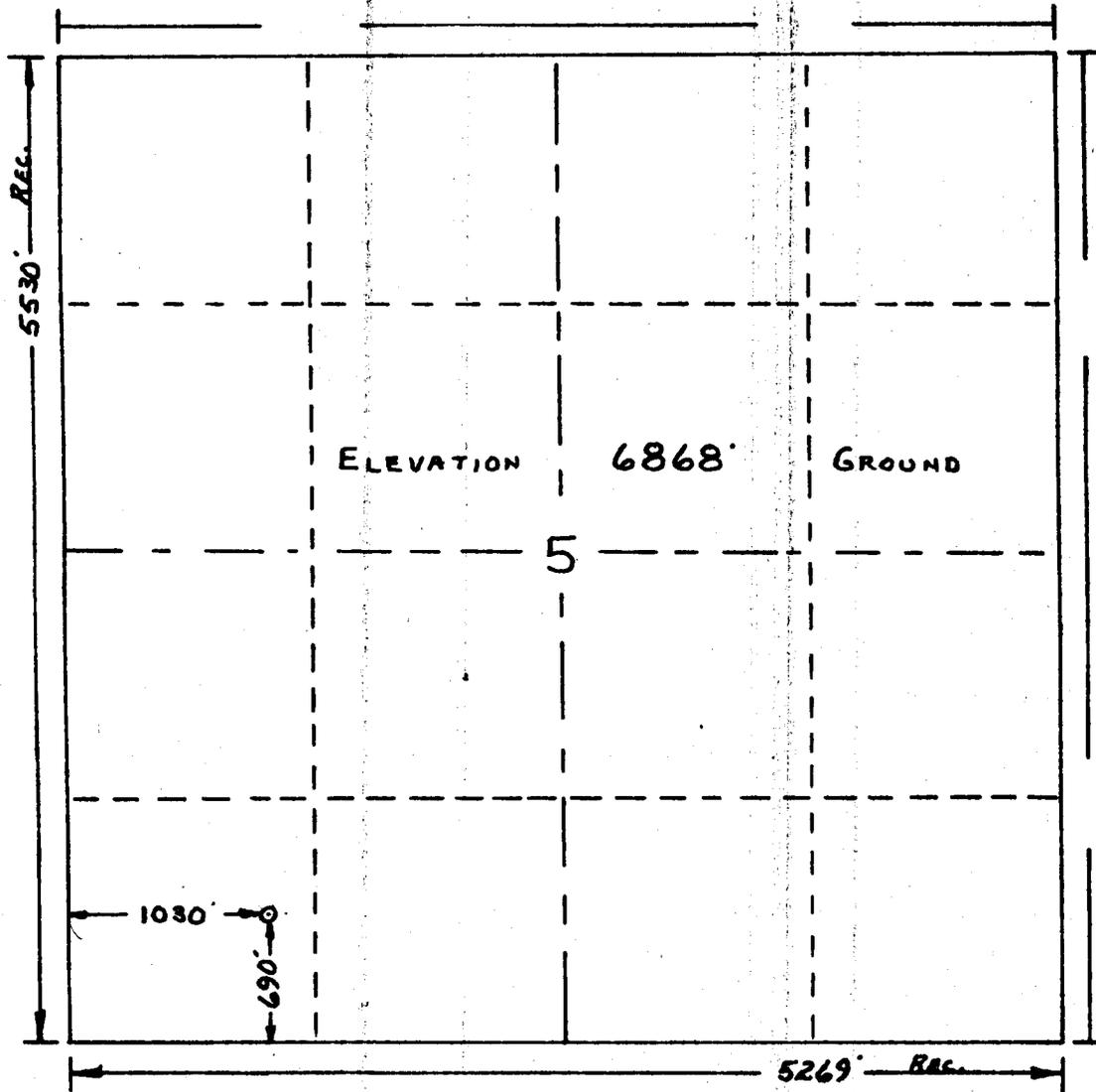




PLAT NO. 1

R. 24 E.



T.
17
S.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from Jim Routson
 for PALMER OIL AND GAS COMPANY
 determined the location of #5-13 SOUTHWEST FEDERAL
 to be 690' FS & 1030' FW Section 5 Township 17S.
 Range 24 E OF THE SALT LAKE Meridian
 GRAND County, UTAH

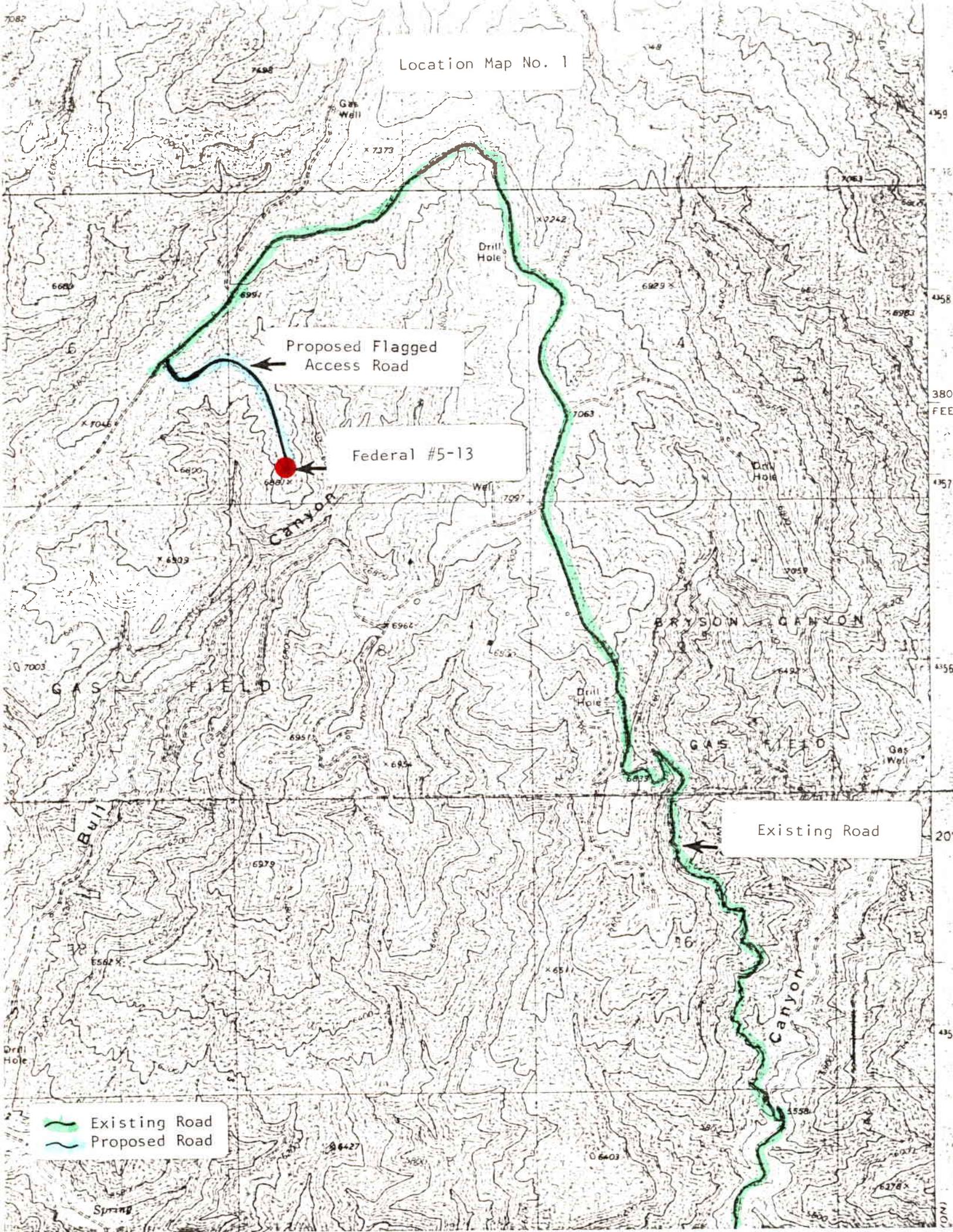
I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

#5-13 SOUTHWEST FEDERAL

Date: 5-22-79

T. Nelson
 Licensed Land Surveyor No. 2711
 State of UTAH

Location Map No. 1



Proposed Flagged
Access Road

Federal #5-13

Existing Road

Existing Road
Proposed Road

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: June 4, 1979

Operator: Palmer Oil & Gas Co. - Energy Increments *Inc.*

Well No: Federal 5-13

Location: Sec. 5 T. 17S R. 24E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-D19-30544

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.J. Minder 8-10-79

Remarks: Conditionally approved per discussion and instruction of J. Knight that Palmer may have to share on 320 ac. spacing unit.

Director: _____

Remarks:

#3

Conditionally

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 165-4 June 26, 1979

Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3

O.K. In _____ Unit

Other:

See plotted

Letter Written/Approved
utw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: ~~690'~~ ^{878'} FSL, ~~1030'~~ ^{1098'} FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Supplement to NTL-6			

5. LEASE
USA U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-T17S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS: (SHOW DF, KDB, AND WD)
6868' GL, 6879' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Enclosed is a map view and profile view of the road cut where it crosses through a rim on the proposed access road for the Federal #5-13.

Please add this information to our NTL-6 as Plat #2B.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 9/13/79

BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED James G. Routson TITLE Pet. Engineer DATE August 21, 1979
James G. Routson

(This space for Federal or State office use)

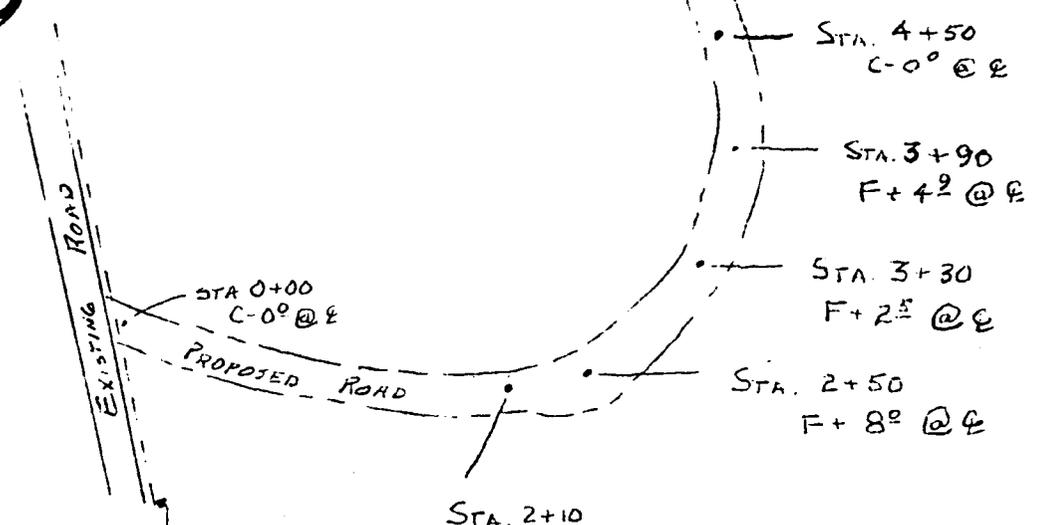
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

PLAT #2B

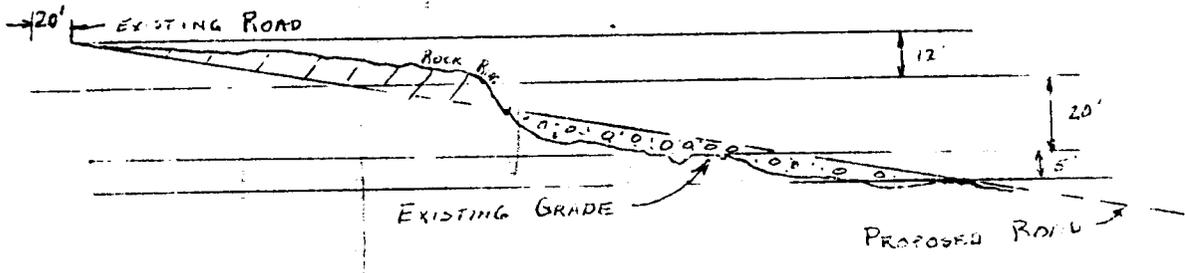


POWERS ELEVATION COMPANY, INC.

To LOCATION



MAP VIEW
SCALE 1" = 100'



PROFILE VIEW
SCALES HORIZ. 1" = 100'
VERT. 1" = 50'

PALMER OIL AND GAS CO	
ROCK CUT IN ROAD TO #5-13 FEP.	
DRAWN BY R. SCHULTZ	DATE 8-10-79

September 19, 1979

Palmer Oil and Gas Company -
Energy Increments, Inc.
PO Box 2564
Billings, Montana 59103

Re: Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E.,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well ~~is~~ hereby granted in accordance with the Order issued in Cause No. 165-4 dated June 26, 1979. However, as stated and instructed by Cleon Feight, Palmer Oil may have to share a 320 acre spacing unit.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

or

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30544.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:dm

cc: USGS

Tenneco Oil
A Tenneco Company

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130

Kathy ⁷



October 23, 1979



Mr. Cleon B. Feight
Utah Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84111

RE: Tenneco Well formerly operated
by Palmer Oil and Gas Company
Grand County, Utah

Gentlemen:

The following wells formerly operated by Palmer Oil and Gas Company will now be operated by Tenneco Oil Company. Please note that record title to several of these wells will be held by Energy Increments, Inc., and Pate Oil Company, however, Tenneco Oil Company will continue to operate the wells.

Grand County, Utah

Township 16 South, Range 24 East

Sec. 33: 33-14/~~Section 29: Federal 29-15~~
Sec. 35: 35-10/ Section 28: Federal 28-15

Township 16 South, Range 25 East

Section 13: Federal 13-9-SIGW
Section 17: Federal 17-9-SIGW
Section 14: Federal 14-2

Township 16 South, Range 26 East

Section 32: State 32-1-SIGW
State 32-11-SIGW
Section 33: Federal 33-13-SIGW
Section 16: State 16-4

Township 17 South, Range 24 East

-SIGW-Section 3: Federal 3-8/Section 5: Federal 5-13
SIGW-Federal 3-15/Section 14: Federal 14-4

Section 4: Federal 4-12

Township 17 South, Range 25 East

Section 6: Federal 6-7
Federal 6-14-SIGW
Section 7: Federal 7-4-SIGW
Section 29: Federal 29-1

✓ Township 17 South, Range 26 East

Section 5: Federal 5-4-SIGW
Federal 5-9-SIGW
Section 8: Federal 8-5-SIGW

***SIGW=SHUT IN GAS WELL
REMAINING ARE DRILLING WELLS

2/19/80

*If this well is drilled in call
J C Thompson - 303 839 5748 he
owns to 120 acre span. We will
call Tenneco -*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE COPY

LEASE DESIGNATION AND SERIAL NO.

USA U41372

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
 TENNECO OIL COMPANY

3. ADDRESS OF OPERATOR
 720 South Colorado Boulevard, Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface: 690' FSL, 1030' FWL } PLEASE NOTE
 At proposed prod. zone: 878' 1098' } F.L. CHANGE
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 33 miles Northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 630'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6868' G.L., 6879' K.B.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal #5-13

10. FIELD AND POOL, OR WILDCAT
 Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 5-17S-24E

12. COUNTY OR PARISH 13. STATE
 Grand Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
 120

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 September 12, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" new	K-55 36#	120'	150 sacks - Cont to Sur
7 7/8"	7" new	K-55 20#	2130'	150 sacks - 200' } above
6 1/4"	4 1/2" new	K-55 10.5# & 11.6#	6539'	225 sacks - 200' } upper most hydrocarbon zone

- Surface formation is the Mesa Verde.
- Anticipated geologic markers are: Castlegate - 2279, Frontier - 5529, Morrison - 6
- Gas is anticipated in the Dakota, Morrison, and possibly in the Castlegate. No water, oil, or other minerals are anticipated.
- Proposed casing program: See item No. 23 above.
- Pressure control equipment: See attached well control plan and schematic of drilling contractors BOP stack. BOP's will be tested before drilling out from under surface casing and will be checked daily.
- Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered approximately 300 bbls. of gel type mud will be used. The well will be air drilled from under surface casing to T.D.
- Auxiliary Equipment: See well control plan.
- The logging program will consist of an IES log from TD to the base of intermediate casing,

(CONTINUED ON NEXT PAGE)

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 - J. D. Traywick
 (This space for Federal or State office use)

TITLE Administration Supervisor DATE 11-16-79

PERMIT NO. _____
 APPROVED BY (ORIG. SGP) E. W. GUYNN
 CONDITIONS OF APPROVAL, IF ANY:

APPROVAL DATE _____
 DISTRICT ENGINEER
 FEB 13 1980 B 11 1980
 DATE



DIVISION OF
 CONDITIONS OF APPROVAL ATTACHED
 TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Utah State Oil & Gas

: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

OBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-41372

OPERATOR: Palmer Oil and Gas - Energy - Increments

WELL NO. Federal 5-13

LOCATION: 1/4 SW 1/4 SW 1/4 sec. 5, T. 17S, R. 24E, SLM

Grand County, Utah

Stratigraphy:		elev.
Mesaverde	surface	
Castlegate	2279	+4460
Frontier	5529	+1350
Dakota	5929	+950
Morrison	6085	+794

Fresh Water: Sands of the Mesaverde and Castlegate may contain fresh water or water not too brackish to be used by stock

Leasable Minerals: Valuable prospectively for coal in the Dakota.
Coal is subeconomic at this time.

Additional Logs Needed: None

Potential Geologic Hazards: None anticipated.

References and Remarks: USGS files SLC, Utah

1/4 mile N of Westwater KGS.

Signature: J Paul Matheny

Date: 6-26-79

United States Department of the Interior
 -Geological Survey
 8440 Federal Building
 Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-41372
 Operator ~~Palmer Oil & Gas~~ *Tenneco Oil Co.* (*Tenneco?*) Well No. 5-13
 Location 878' FSL 1098' FWL Sec. 5 T. 17S R. 24E
 County Grand State Utah Field Westwater
 Status: Surface Ownership Public Minerals Federal
 Joint Field Inspection Date (7/19/79 cancelled in field) September 9, 1979

Participants and Organizations:

<u>7/19</u>	<u>Rocky Curnutt</u>	<u>Bureau of Land Management</u>
<u>7/19</u>	<u>Bob Ballentyne</u>	<u>Palmer</u>
<u>7/19</u>	<u>Harry Quinn</u>	<u>Tenneco</u>
<u>9/9</u>	<u>Elmer Duncan</u>	<u>Bureau of Land Management</u>
<u>7/19 & 9/9</u>	<u>John Evans</u>	<u>U. S. Geological Survey</u>
<u>" "</u>	<u>Bill Buniger</u>	<u>Operator's Rep., Dirt Contractor</u>
<u>" "</u>	<u>Mike Buniger</u>	<u>Dirt Contractor</u>

Related Environmental Analyses and References:

- (1) Book Mountain Unit Resource Analysis, Bureau of Land Management, Utah
- (2)

Analysis Prepared by: John T. Evans, Environmental Scientist, Grand Junction

Date October 10, 1979

*well site moved to:
 878' FSL & 1098' FWL
 Access changed*

*Pad 200 x 300
 pit 30 x 100
 6/10 mi 18' new access*

*Stockpile top soil
 2 ac
 Stips Pg 6
 1-4 Pdg prior to
 12/11 or after
 4/80*

*Excess fines
 in pit hauled
 to drillsite #4-12*

Proposed Action:

On June 4, 1979, Palmer Oil & Gas filed an Application for Permit to Drill the No. 5-13 exploratory well, a 6539' gas test of the Dakota and Morrison Formations; located at an elevation of 6868' in the SW SW, Sec. 5, T17S, R24E, on Federal mineral lands and Public surface; lease No. U-41372.

Onsite was cancelled in field by BLM for July 19, 1979. Second onsite delayed waiting for data from operator requested by BLM. Scheduling of second onsite delayed at request of operator to facilitate processing of other applications of operator.

As an objection was raised to the wellsite, it was moved to 878' FSL and 1098' FWL. This did not change the $\frac{1}{4}$ coordinates. This is a move of approximately 200' 20° NNW. As an objection was raised to the access road, it was changed. See attached map for new access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan is on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City, Utah.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 200' wide x 300' long and a reserve pit 30' x 100'. A new access road would be constructed 18' wide x 0.6 mile long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flowline would be submitted to the appropriate agencies for approval. The anticipated starting date is October 1979 and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 33 miles NW of Mack, Colorado, the nearest town. A fair road runs to within 0.6 mile of the location. This well is in the Westwater Field.

Topography:

The topography is very rugged with ridges and cliffs formed from sandstone and conglomerates. Portions of existing access road exceed 15% grade. The

proposed location was staked on a narrow ridge of resistant material which slopes steeply to east and west. A move, as proposed 200' 20° NNW would place location on a wider portion of ridge, reducing the amount of cut and fill required to level location. Pits would be constructed long and narrow to improve stability. As area available to construct location and pits is limited, excess fluids from operations would be hauled to pit of drillsite 4-12 in Sec. 4.

Geology:

The surface geology is Mesa Verde. The soil is limited and is primarily sandstone. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verde. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The topsoils in the area range from a sandy clay to a sandstone outcrop. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present.

The limited topsoil at the location would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management. Due to rocky nature of drillsite, some permanent evidence of man's intrusion would remain after rehabilitation.

Approximately two acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. Operator would control dust from blowline discharge by an acceptable means.

Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rainstorms. This type of storm is rather uncommon as the annual precipitation is around 8". Snowfall and spring runoff may make existing access road hazardous due to steep grades and poor surface conditions.

Winds are medium and gusty, occurring predominantly from west to east. Air mass inversions are rare. The climate is semiarid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The proposed location is on ridge. Any leaks or spills that are not contained on drill pad would be difficult to clean up due to clifflike topography. Drainage is to Bull Canyon, a drainage element of the Colorado River. Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Groundwater Hydrology:

Some minor pollution of groundwater systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of freshwater formations are listed in the 10-Point Subsurface Protection Plan. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval. Pits would probably be unlined, however, if unstable soils are encountered during construction, operator should line pit. Operator responsible to ensure stable and tight pit.

Vegetation:

Plants in the area are of the salt-desert shrub types grading to the pinyon-juniper association.

Proposed action would remove about two acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations. Rehabilitation of site would be difficult due to lack of topsoil, exposure on ridgetop and low available moisture.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads.

The overall effect of oil and gas drilling and production activity is significant in Grand County but it is difficult to assess the environmental impact of a single well on state and/or national levels. However, if said well was to produce in sufficient quantity, additional development wells might be anticipated. This additional development, in turn, would lead to greater environmental and socioeconomic consequences.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

1) Not Approving the Proposed Permit--The Oil and Gas Lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration.

2) Minor relocation of the wellsite and access road would reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken as outlined in the 13-Point Surface Plan.

Proposed Stipulations if Approved:

- 1) Location moved 200' 20° NNW to wider portion of ridge to reduce cuts and fills and place reserve pits in stable area of ridge. Pad was rotated 180° to place pits in cut and to better fit topography.
- 2) Pits would be constructed long and narrow but available area is limited. Excess fluids would be hauled to nearby location in Section 4, if necessary.
- 3) Access road changed to reduce grade and to facilitate construction through rock ledge.
- 4) Drilling recommended before December 1, 1979, and after April 1980 because of steep grades on existing access road.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor

increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to freshwater aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Bull Canyon would exist through leaks and spills.

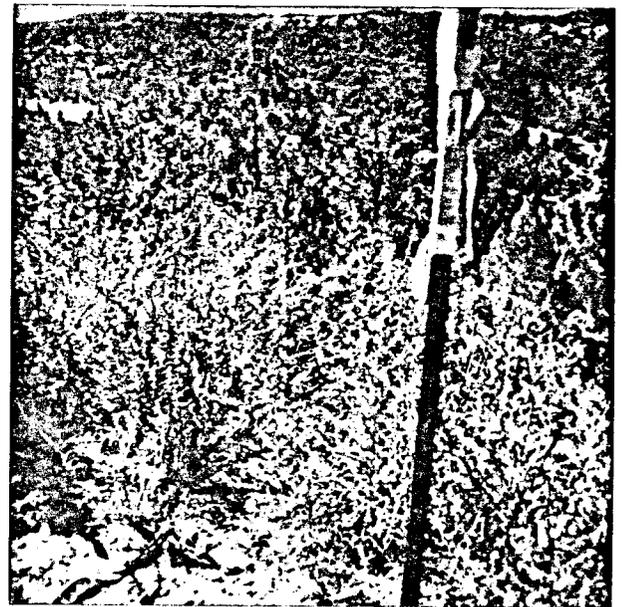
If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

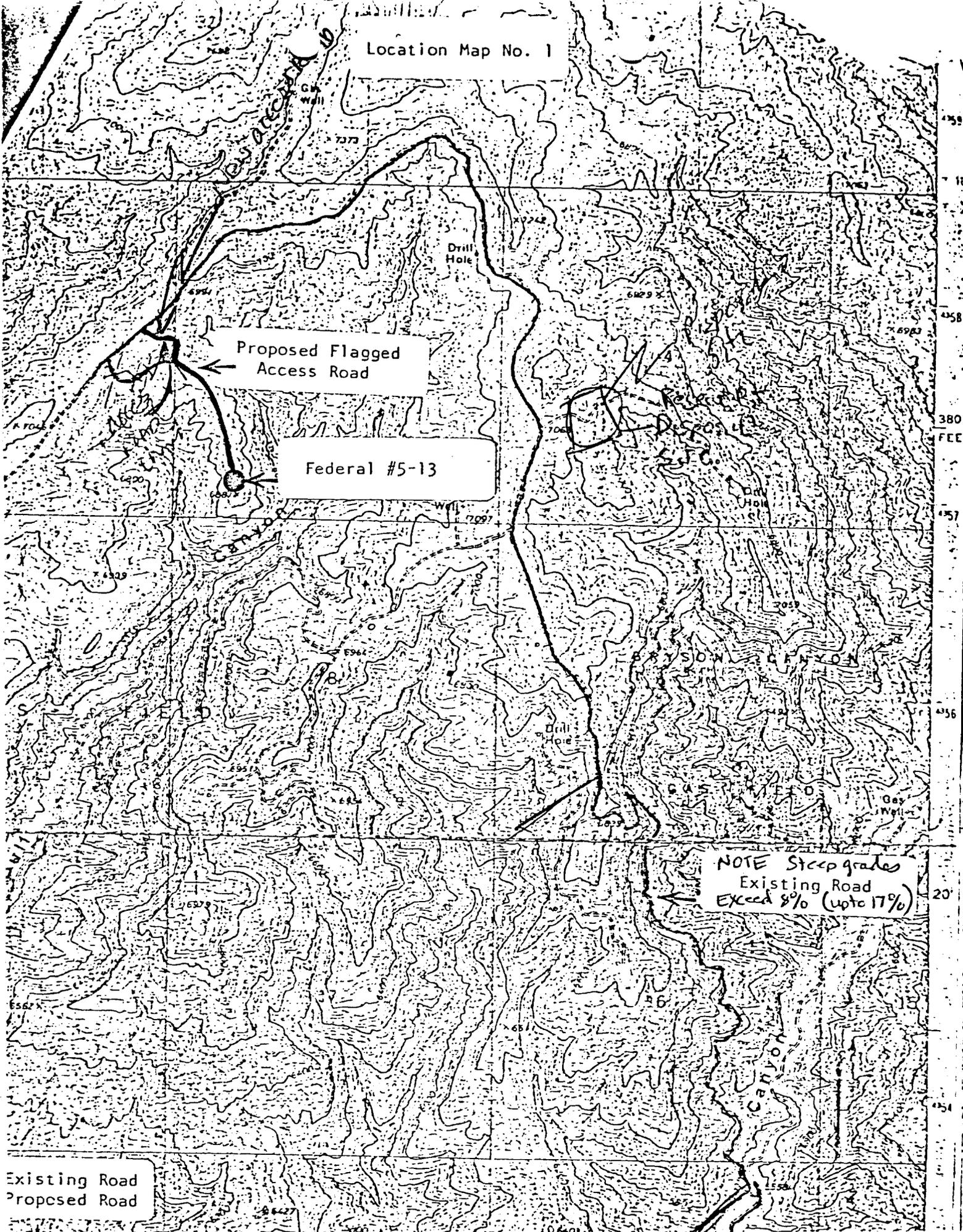
10/22/79
Date

E. W. Sweeney
District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



*ACCESS ROAD (original)
rerouted to avoid this steep grade*

Location Map No. 1



Proposed Flagged Access Road

Federal #5-13

NOTE Steep grades Existing Road Exceed 8% (up to 17%)

Existing Road
Proposed Road

APPLICATION FOR PERMIT TO DRILL (Con't)

9. No abnormal pressures or temperatures anticipated. No poisonous gas anticipated.
10. Anticipated spud date is September 12, 1979, depending on rig availability. Completion operations should commence within 30 days of rig release.
11. Survey plats enclosed.
12. The gas is dedicated to Southwest Gas Corporation.
13. The spacing unit is the $S\frac{1}{2}SW\frac{1}{4}$ and $NE\frac{1}{4}SW\frac{1}{4}$ of Section 5, containing 120 acres.
14. Designation of Operator forms are enclosed.

TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL #5-13
SW¼SW¼ Section 5-T17S-R24E
Grand County, Utah

1. Existing roads

- A. Proposed wellsite: Survey plat enclosed.
- B. Location is approximately 10 miles North of Highway 6 & 50 on the East Canyon Road and 6 miles up an existing lease road in the Bryson Canyon Field.
- C. Access roads: See Location Map #1.
- D. Not applicable, well is not exploratory.
- E. Existing roads within 1 mile of wellsite: See Location Map #1.
- F. No improvements of existing roads are planned.

2. Planned access roads

- A. See Location Map #1 for necessary access road to be constructed by bulldozing and blading. Length of access road is approximately 3,500 feet.
 - 1. Maximum width of 35'.
 - 2. Maximum grade of 8%.
 - 3. No turnouts needed.
 - 4. Natural drainage, road will follow contour of land.
 - 5. No culverts needed. One major cut is required where the access road leaves the existing lease road and drops through a rim. Some blasting may be necessary.
 - 6. No surfacing material to be used.
 - 7. No gates, cattleguards, or fence cuts needed.
 - 8. Access road is center flagged.

3. Location of existing wells (See Map No. 2)

- 1. There are no existing water wells within a 1 mile radius.
- 2. See Map #2 for location of abandoned wells.
- 3. No temporary abandoned wells are located within a 1 mile radius.
- 4. No disposal wells in the area.
- 5. No drilling wells in the area, locations are shown on Map No. 2.
- 6. Producing wells shown on Map No. 2.
- 7. Shut in wells shown on Map No. 2.
- 8. No injection wells in the area.
- 9. No monitoring or observation wells in the area.

4. Location of existing and proposed production facilities

- A.
 - 1. No tank batteries within a 1 mile radius.
 - 2. Production facilities within a 1 mile radius include separators and meter runs at the gas wells shown on Map No. 2.
 - 3. No oil gathering lines in the area.
 - 4. A field gathering system generally follows the roads shown on Map No. 1. The closest pipeline is the Mesa Pipeline in East Canyon.
 - 5. No injection lines in the area.
 - 6. No disposal lines in the area.
- B.
 - 1. The gathering system has not yet been designed.
 - 2. A separator, approximately 5' x 10', and a meter run, approximately 6' x 8', will be on the drillsite pad, and will be painted to blend with the desert environment.
 - 3. No construction materials are necessary. All lines will be coated, wrapped, and buried.
 - 4. A 10' x 10' water disposal pit will be dug within 50' of the separator and will be enclosed by a wire fence. A 6' x 6' x 3½' metal guard will be placed around the wellhead.
- C. Plans for restoration of the surface.
On completion of the drilling of this well, all pits will be backfilled and top-soil replaced and re-contoured back to the original terrain. Upon abandonment all disturbed area, including the location and access road, will be re-contoured, ripped or scarified as needed, and re-vegetated using a seed formula as specified by the BLM. All seeding will be done between September 15 and November 15.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

5. Location and type of water supply

- A. Very little water is needed to drill this well because it will be air drilled. Water will be hauled from a water hole in the Westwater drainage. If this is dry, it will be hauled from West Salt Creek drain ditch near Mack, Colorado.
- B. Water will be transported by truck. The truck will use the access road.
- C. No water well is to be drilled.

6. Source of construction materials

- A. No construction materials are to be used.

7. Methods of handling waste disposal

1. Cuttings will be buried 3' under top-soil.
2. Drillings fluids (if any) will be left in open pit to evaporate. Pit will be fenced on 4 sides during drilling and completion operations.
3. Produced oil or condensate (if any) will be stored in a tank and sold. Produced water will be disposed of in compliance with rules and regulations of the USGS and the State of Utah.
4. Portable chemical toilet will be provided.
5. Trash will be burned in burn pit. The burn pit will be fenced with expanded metal. Noncombustible trash will be buried at least 4' deep in the reserve pit.
6. Drilling fluid in pit, which will be very minimal due to air drilling, will be left to dry, if necessary. After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil will be used to cover both pit and location area. The area will be policed for all trash when the well is completed and the location will be left as much like the natural environment as possible.

8. Ancillary facilities

No camps or airstrips proposed.

9. Wellsite layout

1. See Plat No. 2 showing location pad. All necessary cuts and fills are shown on this plat, and two cross sections are shown on the bottom of the plat.
2. Location of pits, etc.: See plan of drillsite layout diagram, Plat #2-A.
3. Rig orientation: See plan of drillsite layout diagram, Plat #2-A.
4. Pits will be unlined.

10. Plans for restoration of surface

1. Backfilling, leveling, etc.: See 7-1 and 4-C.
2. Rehabilitation, etc.: See 4-C.
3. Fencing of pits: Pit will be fenced on all sides during drilling and completion operations.
4. Oil on pits: Occurance is improbable. If it does occur, the pits will be flagged to prevent an influx of wild fowl. Any oil which does occur will be trucked off for disposal.
5. Rehabilitation timetable: See 4-C. Contouring will be done as soon as the pits are dry. Barring any unforeseen problems, rehabilitation should be completed within 90 days of completing the well.

11. Other information

1. Topography: Immediate wellsite is in the Book Cliffs. The Book Cliffs and deep canyons surround the location.
Soil: Eroded Mesaverde and Blow Sand.
Vegetation: Sparse grassland with greasewood, sagebrush, junipers, and Pinion Pine. Land is used for grazing.
Fauna: Occasional use by deer, antelope, rabbits, lizards, hawks, and miscellaneous small birds.
Geologic features: Nothing significant in immediate area.
2. A. Surface Ownership: Public lands administered by the BLM.
B. Surface Activities: Rabbit and bird hunting, sheep and cattle grazing, gas well maintenance.
3. No water or dwellings are on the lease. An archaeological study will be done by Powers Elevation Company of Eagle, Colorado.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

12. Lessee's or operator's representative

J. G. Routson
P. O. Box 2564
Billings, Montana 59103

Office Phone (406) 248-3151
Home Phone (406) 245-8797
Mobile Phone (303) 245-3660 Unit #327

R. D. Ballantyne
P. O. Box 2564
Billings, Montana 59103

Office Phone (406) 248-3151
Home Phone (406) 656-1304
Mobile Phone (303) 245-3660 Unit #327

William H. Buniger
P. O. Box 42
Loma, Colorado 81524

Home Phone (303) 858-7577
Mobile Phone (303) 245-3660 Unit #289

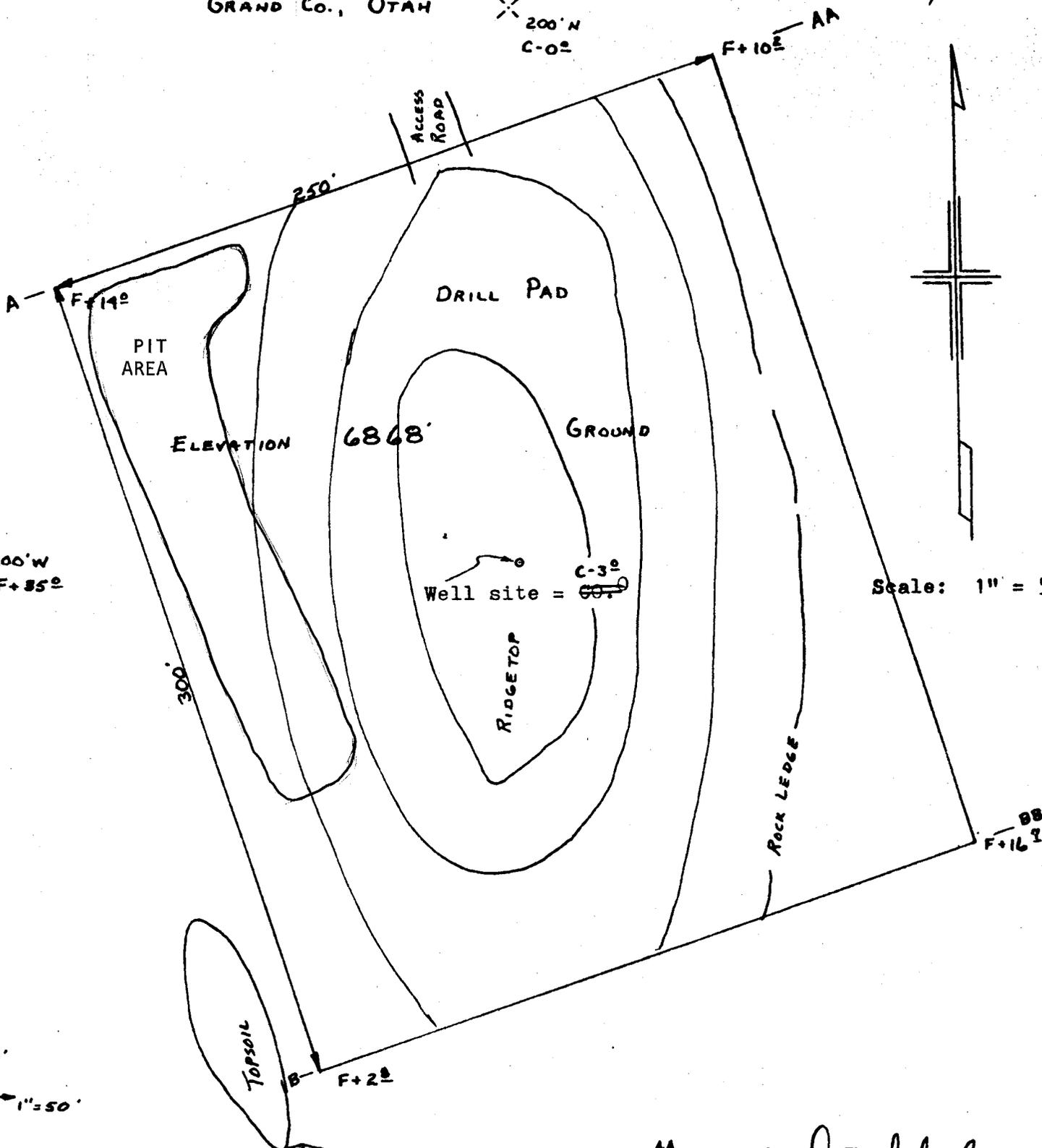
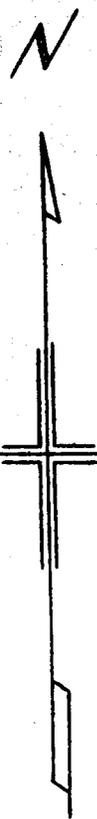
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

Date: June 1, 1979

James G. Routson
James G. Routson
Petroleum Engineer

PALMER OIL & GAS CO.
5-13 SOUTHWEST FEDERAL
690' FS & 1030' FW SEC. 5 T17S. R24E.
GRAND CO., UTAH

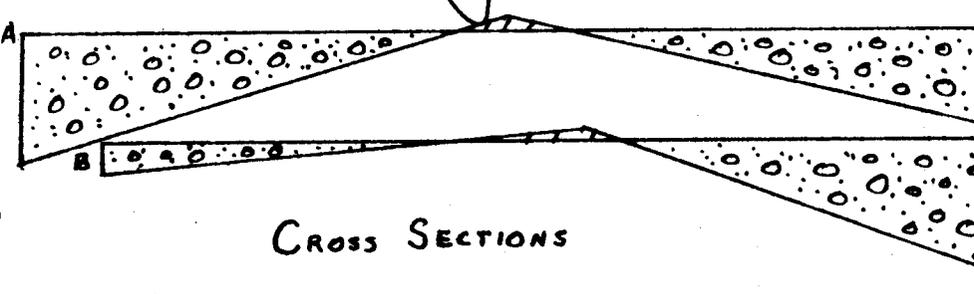
200' N
C-02



200' W
F+852

Scale: 1" = 50'

1" = 20'
1" = 50'



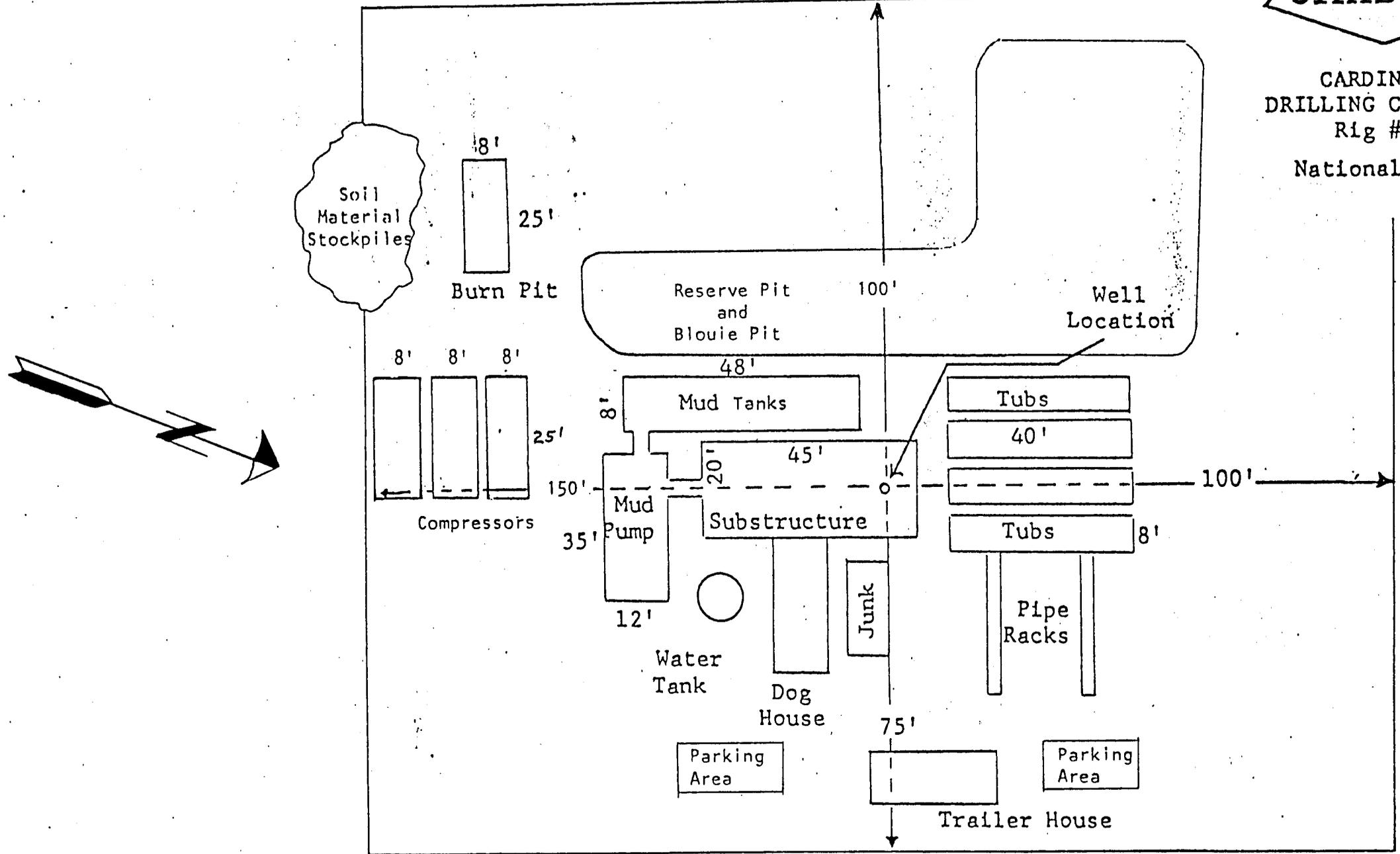
CROSS SECTIONS

AA
by: Richard A. Lehner
Powers Elevation Company, Inc.
5-22-79

BB



CARDINAL
DRILLING COMPANY
Rig #4
National T-32

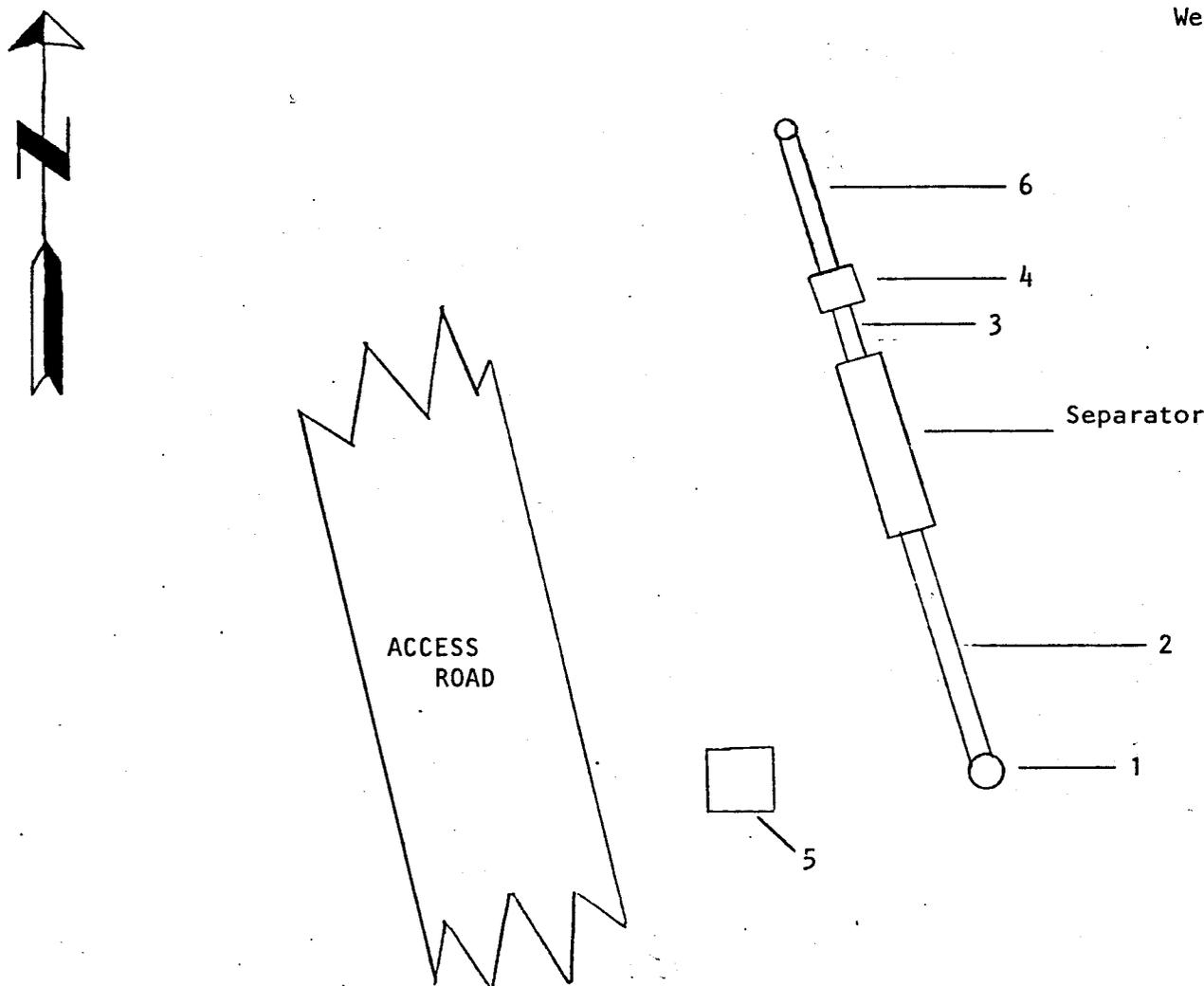


PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

PLAT #3

Federal #5-13
Wellhead



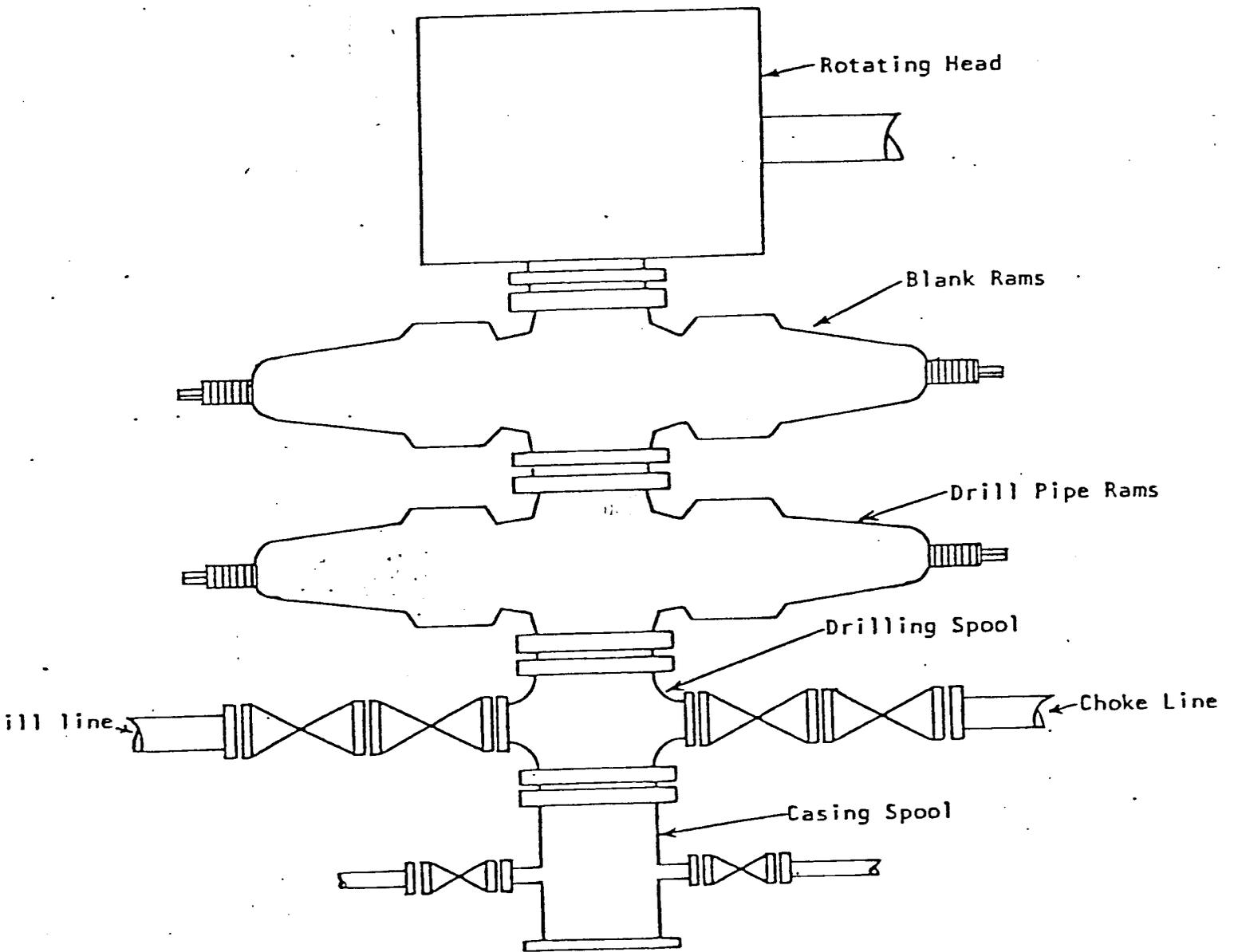
1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet PO&GC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried and will be approx. 25 feet in length.
4. Meter run will be American 4" run, 500 psi static rating, 100' of water differential rating.
5. Pit, if necessary will be 10' x 10', enclosed by dikes and fenced.
6. Gathering system has not yet been designed.

SCHEMATIC OF BOP STACK

AIR DRILLED WELLS
using

900 series well head equipment

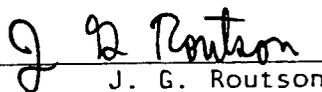
Interval from 120' to TD



WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D. 36#/ft., Grade K-55, Short T&C, set at 120' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10-3/4" top 1500 psig W.P. Larkin (or equivalent) casinghead with two 2" 1500 psi L.P. outlets.
3. Intermediate Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C, set at 2130, cemented with pump and plug method using 150 sacks or more. At least 12 hours WOC time will be required before drilling the plug.
4. Blowout Preventor: A 10" 3000 psig W.P. Double gate hydraulic Shaffer BOP (or equivalent) with drill; pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P.
5. Auxiliary equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained.
6. Anticipated bottom hole pressure is less than 1200 psi at 6500' or a gradient of 1846 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY



J. G. Routson

March 21, 1980

Tenneco Oil
720 So. Colorado Blvd.
Denver, Colorado 80222

Re: Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E.
Grand County, Utah

Gentlemen:

In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH
CLERK-TYPIST

MARCH 27

Tenneco

5-13

via telephone
conversation today,
they intend on
drilling the above
well in the summer,
& will send a sundry
Notice stating so

Tenneco Oil
Exploration and Production
A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

April 3, 1981

RECEIVED

APR 9 1981

U.S. Geological Survey
2000 Administration Building
1745 West, 1700 South
Salt Lake City, UT 84138

DIVISION OF
OIL, GAS & MINING

Re: Federal #5-13
927.1 FSL, 979.2 FWL, Sec 5,
T17S, R24E, Grand County, Utah

Gentlemen:

Due to a change in our drilling schedule we were unable to spud the above referenced well within the one year approval period. Per telephone conversation with your office on April 2, 1981, we respectfully request an extension of six months on this approval to drill. A new form 9-331C is attached per your request.

Also attached are a new plat for the Federal 5-13 and a copy of the original form 9-331C. You will note that the new footages are not the same as those penciled in on the original approval. This is due to the fact that new control was brought in by a different surveyor to establish the footages for the new plat. Nevertheless, the new location is only 196' from the original stake (in a direction 20° west of north). Thus the new stake is within 200 actual feet of the original stake. This change has been made in accordance with the intent of the stipulations attached to the approval of our APD.

I trust that we may proceed with our operations at this location as soon as the extension of approval is received. If you require any additional information please contact me at your earliest convenience.

Yours very truly,

TENNECO OIL COMPANY

R.A. Mishler
Senior Production Analyst

RAM/lo

Enclosures

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO. USA U 41372
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 5-13
10. FIELD AND POOL, OR WILDCAT Westwater
11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec 5, T17S, R24E
12. COUNTY OR PARISH Grand
13. STATE Utah
22. APPROX. DATE WORK WILL START* April 1, 1981

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 927.1 FSL 979.2 FWL
 At proposed prod. zone
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 33 miles NW of Mack County

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	530'	16. NO. OF ACRES IN LEASE	120	17. NO. OF ACRES ASSIGNED TO THIS WELL	120
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH	±6539	20. ROTARY OR CABLE TOOLS	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 Ground est 6870'

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" new	K-55 36#	+120'	Circulate to surface
7 7/8"	7" new	K-55 20#	+2130'	Circulate to surface
6 1/4"	4 1/2" new	K-55 10.5# 11.6#	±6539'	Sufficient to cover all productive zones

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.

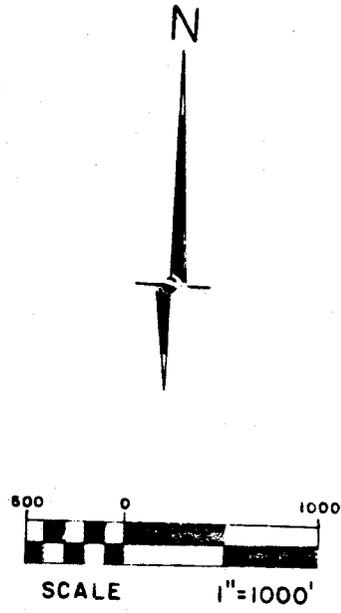
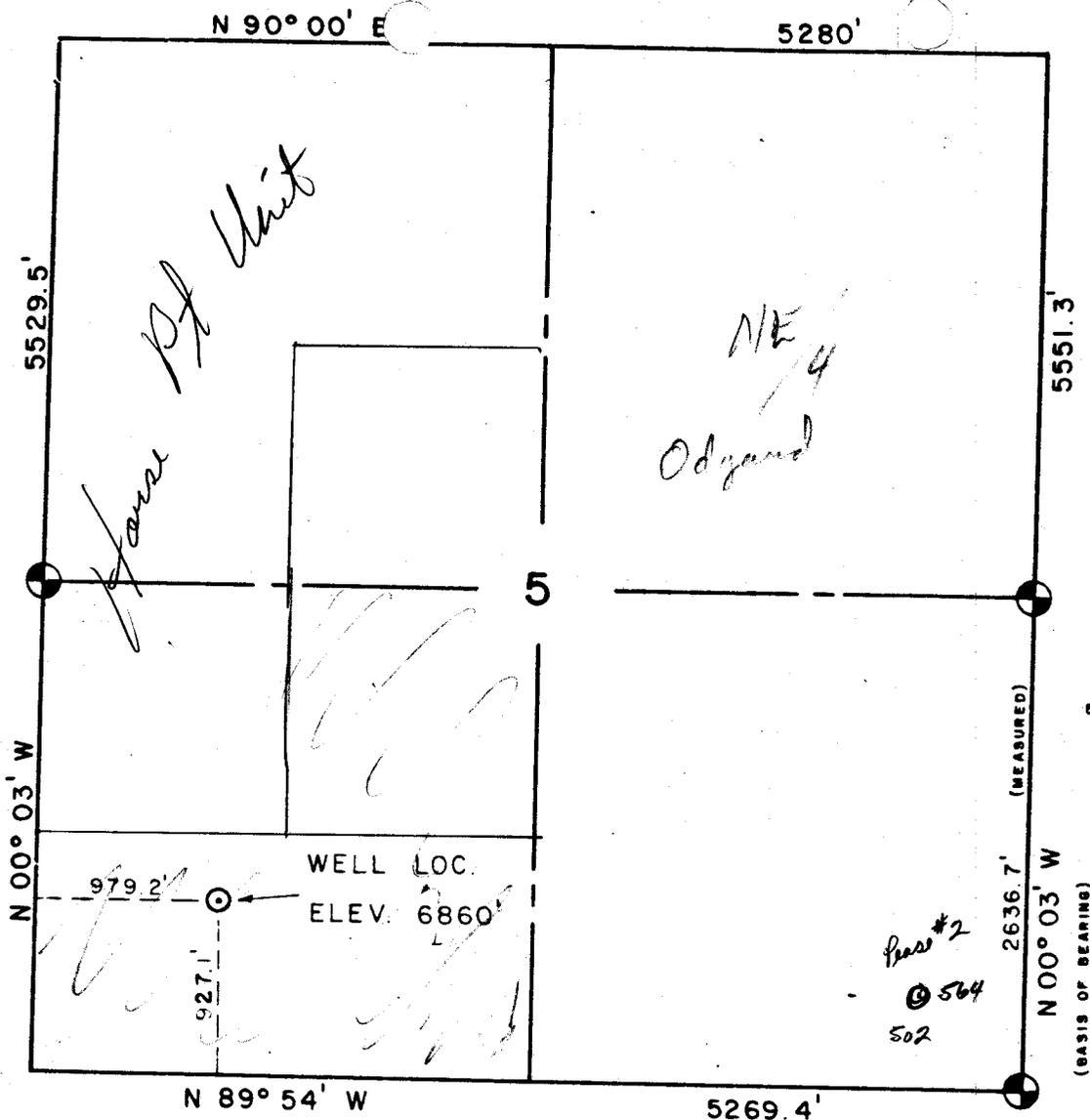
24. SIGNED R.A. Mishler TITLE Senior Production Analyst DATE APR 1 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE APR 9 1981

APPROVED BY _____ TITLE _____ DATE DIVISION OF OIL, GAS & MINING

CONDITIONS OF APPROVAL, IF ANY:



LEGEND

 FD. U.S.G.L.O. BRASS CAP

WELL LOCATION
 927.1 FT. N.S.L. — 979.2 FT. E.W.L.
 SECTION 5, T.17 S., R.24 E., S.L.B & M.
 GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

RECEIVED

EDWARD A. ARMSTRONG PE & LS 4464
 APR 9 1981

	ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • DIVISION OF CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861	
	SCALE 1" = 1000'	TENNECO OIL T.O.C. USA 5-13
	DRAWN BY LHS	SHEET 1 of 3
	DATE 3/13/81	

DUPLICATE
UNITED STATES

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
USA U 41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD AND POOL, OR WILDCAT
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 5, T17S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

22. APPROX. DATE WORK WILL START*
April 1, 1981

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
927.1 FSL 979.2 FWL
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 33 miles NW of Mack County

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 530'

16. NO. OF ACRES IN LEASE 120

17. NO. OF ACRES ASSIGNED TO THIS WELL 120

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

19. PROPOSED DEPTH ±6539'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Ground est. 6870'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" new	K-55 36#	+120'	Circulate to surface
7 7/8"	7" new	K-55 20#	+2130'	Circulate to surface
6 1/4"	4 1/2" new	K-55 10.5# 11.6#	±6539'	Sufficient to cover all productive zones

This approval is conditioned to include all stipulations together with the surface use plan which was approved initially on February 11, 1980. In addition, 2 other stipulations will be added:

1. Reserve pit will be deepened to 12', making dimensions 30' X 100' X 12'.
2. If fractured rock is encountered during pit construction, line pit with 2 to 3 inches of bentonite.

The physical location has not changed. Resurvey of the location reflects new footages.

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 R.A. Mishler TITLE Senior Production Analyst DATE APR 20 1981 April 3, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE DIVISION OF OIL, GAS & MINING

APPROVED BY _____ TITLE FOR E. W. GYNN DISTRICT ENGINEER DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State Oil - Gas

UNITED STATES **APR 30 1981**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY **DIVISION OF OIL, GAS, AND MINING**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 927.1 FSL, 977.9 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

5. LEASE
USA U 41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 5, T17S, R24E

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

14. API NO.
43-019-30544

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Ground 6860'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>change drill pad</u>		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Per the request of the U.S. Bureau of Land Management we propose to alter the drill pad location as follows. The dimensions of the pad will be 325' X 165'. The reserve pit will be located on the east side of the location. Laydown will be south.

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

DATE: 5-11-81
BY: R.A. Mishler

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R.A. Mishler TITLE Sr. Prod. Analyst DATE April 28, 1981

(This space for Federal or State office use)

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



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

October 14, 1981

Tenneco Oil Company
P.O. Box 3249
Englewood, CO 80155

Re: See Attached Sheet

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify this office.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

Well No. Middle Canyon Unit #23-6
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #23-16
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-1
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-12
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E
Grand County, Utah

Well No. Hougen USA 15-9
Sec. 15, T. 17S, R. 24E
Grand County, Utah

Well No. Nataro 19-4
Sec. 19, T. 17S, R. 24E
Grand County, Utah

Well No. USA 15-7
Sec. 15, T. 18S, R. 22E
Grand County, Utah

Well No. Sulpher Canyon Unit #17-9
Sec. 17, 18S, R. 24E
Grand County, Utah

Well No. USA #12-10
Sec. 12, T. 19S, R. 22E
Grand County, Utah

Tenneco Oil
Exploration and Production
A Tenneco Company

Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

October 23, 1981

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

Attention: Ms. Terri Reid

RE: Status of Wells with APD's
Approved by Your Office

Dear Ms. Reid:

In regards to your letter dated October 14, 1981, the following is a report on the drilling status on each of the wells mentioned:

Middle Canyon Unit #23-6
Sec. 23, T16S R24E Grand, Utah

Federal APD's have been returned.
This well has been scratched indefinitely.

Middle Canyon Unit #23-16
Sec. 23, T16S R23E Grand, Utah

Location is built. State approval
expires 2/20/82. Will drill in 1982.

Middle Canyon Unit #27-1
Sec. 27, T16S R24E Grand, Utah

Federal APD's returned. This well has
been scratched indefinitely.

Middle Canyon Unit #27-12
Sec. 27, T16S R24E Grand, Utah

Location is built. State approval
expires 2/82. Will drill in 1982.

TOC USA #5-13
Sec. 5, T17S R24E Grand, Utah

Federal approval expires 9/19/81. Will
send in extension request under separate
cover.

Hougen USA #15-9
Sec. 15, T17S R24E Grand, Utah

Federal APD will be filed under new name
TOC/TXO #15-9

Nataro #19-4
Sec. 19, T17S R24E Grand, Utah

Will not be drilled in 1981. Scratched
from program indefinitely.

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
927.1' FSL 979.2' FWL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)		

5. LEASE
USA-U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T17S R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6870' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

11-5-81 - MIRURT. Spud well w/Brinkerhoff Signal rig #32. Run 42 jts 9-5/8" 32# K-55 ST&C csg. Cmt to surface.

11-9-81 - Run 7" csg. Circ.

11-10-81 - Bradenhead squeeze w/34sx Cl-G w/2% CC.

11-17-81 - Ran 146 jts 4-1/2" csg, 11.6 K-55 ST&C, and 10.5# K-55 ST&C. Cmtd w/20 bbls mud flush and 23 sx Cl-H w/additives. Circ.

11-18-81 - Rig released 11-17-81.

11-19-81 - WOCU.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Sandra Peron TITLE Production Analyst DATE 12-2-81
Sandra Peron

(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**

Form Approved
Budget Bureau No. 42-11426
U.S. MANAGEMENT
SERVICE

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 927.1' FSL 979.2' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
MAY 6 1982

7. UNIT AGREEMENT NAME
SALT LAKE CITY, UTAH

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T17S R24E

12. COUNTY OR PARISH
Grand

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6870' gr.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Log well <input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

4/26/82 - MIRUSU, NDWH, NUBOP. Talleyed in hole w/3-3/4" bit, scraper w/F nipple 1 jt off btm. Tagged btm @ 6189'. PT to 4000 psi for 15 min. Circ hole clean w/ 2% KCL and displaced hole. POOH w/tbg, F nipple, scraper and bit.

4/27/82 - Ran GR/CDL/CBL transit time bond log. TOC @ 4100'. Held 1000 psi on csg during job. RIH w/tbg & F nipple to 6107'. Swbd fluid down to 4500'.

4/28/82 - Spot 300 gal 7-1/2% DI HCL across perms. POOH w/2-3/8" tbg. Perf'd Dakota w/2 JSPF 6101-07', 6044-56', 6014-18', 6002-04', 5996-99' (27', 54 holes) fr top to btm. CP @ on each run. RIH w/compression pkr and set @ 5900'. Load annulus w/2% KCL. PT annulus to 1000 psi, 15 min, ok. Acidize w/1000 gal inhibited 15% HCL w/ 600# NAACL/1000 gal. Blocked w/65 l.l RCL balls. Initial brk dn pressure unable to determine. Pmpd @ rate of 7 BPM & 3450 psi. ISIP 850 psi, 15 min SIP 100 psi. Good ball action. But didn't ball off. Released pkr & RIH to 6120'. SD 15 min. Pull up to 5900'. Pmpd 15 bbls 2% KCL dn annulus. Set pkr. Made 10 swb runs. FL on 1st run @ 600'. Rec'd 55 BW & acid & well swbd dry. Slight show of gas. Set @ _____ Ft.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Denise Wilson TITLE Production Analyst DATE 5/4/82

(This space for Federal or State office use)
APPROVED BY E. W. Gynn TITLE District Oil & Gas Supervisor DATE MAY 7 1982

CONDITIONS OF APPROVAL, IF ANY:

epu.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

May 6, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E.
Grand County, Utah
(January - April 1982)

Well No. Tusher Canyon Unit State #2-9
Sec. 2, T. 20S, R. 19E.
Grand County, Utah
(January - April 1982)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

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

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 927.1' FSL 979.2' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
USA U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T17S R24E

12. COUNTY OR PARISH
Grand

13. STATE
UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6870' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

4/29/82 - SITP 175 on arrival. Pkr in hole. Made 1 swab run. FL @ 3600'. Rec'd 8 bbl gas cut wtr. POOH w/pkr and tbg. RIH w/tbg open ended and set @ 5700' w/blast jet @ WH. Frac'd Dakota w/75,000 gal 75% quality foam and 145,000# 20/40 SD. AIR 30 BPM, AIP 3800 psi, CP 3800, TP 7000 psi. ISIP csg 3000 psi, 15 min SIP csg 2420 psi. ISIP tbg 6000 psi, 15 min SITP 2450 psi. Opened tbg to pit after 2 hrs on 1/2" choke to CU.

4/30/82 - SICP 165 psi, well flwg N2 and gas, 12' flare. RIH w/2-3/8" tbg to 6110' and tagged SD fill. CO SD to 6150'. PUH w/tbg and land @ 6052'. NDBOP, NUWH, RDMOSU.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Denise Wilson Production Analyst DATE 5/10/82
Denise Wilson

(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**

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 927.1' FSL 979.2' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T17S R24E

12. COUNTY OR PARISH | 13. STATE
Grand | UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6870' gr.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)			

RECEIVED
MAY 17 1982

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

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.)*

4/29/82 - SITP 175 on arrival. Pkr in hole. Made 1 swab run. FL @ 3600'. Rec'd 8 bbl gas cut wtr. POOH w/pkr and tbg. RIH w/tbg open ended and set @ 5700' w/blast jet @ WH. Frac'd Dakota w/75,000 gal 75% quality foam and 145,000# 20/40 SD. AIR 30 BPM, AIP 3800 psi, CP 3800, TP 7000 psi. ISIP csg 3000 psi, 15 min SIP csg 2420 psi. ISIP tbg 6000 psi, 15 min SITP 2450 psi. Opened tbg to pit after 2 hrs on 1/2" choke to CU.

4/30/82 - SICP 165 psi, well flwg N2 and gas, 12' flare. RIH w/2-3/8" tbg to 6110' and tagged SD fill. CO SD to 6150'. PUH w/tbg and land @ 6052'. NDBOP, NUWH, RDMOSU.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Denise Wilson Production Analyst DATE 5/10/82

(This space for Federal or State office use)

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

Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado



May 18, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
Attn: Cari Furse
4241 State Office Building
Salt Lake City, UT 84114

RE: Federal 5-13, Sec. 5, T17S, R24E
Grand County, UT
Tusher Canyon Unit State 2-9
Sec. 2, T20S, R19E, Grand County, UT

Dear Ms. Furse:

Please find enclosed Sundry Notices submitted to the MMS during May for the completion work performed on the Tenneco Federal 5-13. These sundries summarize all 1982 activity on this well.

No work was performed on the Tusher Canyon Unit State 2-9 since ceasing operations due to winter in December 1981. Tenneco plans to P & A this well.

If you should need any further information, please do not hesitate to contact me.

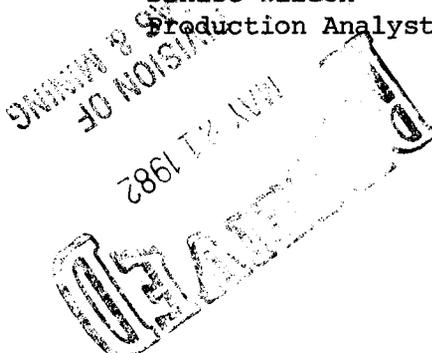
Sincerely,

TENNECO OIL COMPANY

Denise Wilson
Denise Wilson
Production Analyst

DW:jt

Enclosure



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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

13

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 927.1' FSL, 979.2' FWL
 At top prod. interval reported below
 At total depth 878' FSL & 1098' FWL SWSW

14. PERMIT NO. 43-019-30544 | DATE ISSUED 9-19-76

5. LEASE DESIGNATION AND SERIAL NO.
USA U-41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD AND POOL, OR WILDCAT
Westwater

11. TOWNSHIP, RANGE, M., OR BLOCK AND SURVEY
Sec. 5, T17S R24E

12. COUNTY OR PARISH Grand | 13. STATE UT

15. DATE SPUNDED 11/5/81 | 16. DATE T.D. REACHED 11/16/81 | 17. DATE COMPL. (Ready to prod.) 5/24/82 | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6882' KB | 19. ELEV. CASINGHEAD 6870' KB

20. TOTAL DEPTH, MD & TVD 6275' KB | 21. PLUG, BACK T.D., MD & TVD 6150' KB | 22. IF MULTIPLE COMPL., HOW MANY* - | 23. INTERVALS DRILLED BY 0' - TD | ROTARY TOOLS - | CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5996-6107' KB Dakota

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Ind Lateralog, JCD/CNL, Dual Ind/CDL, CBL/GR

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32#	42' KB	12-1/4"	50sx C1-B	None
7"	23#	2681' KB	8-3/4"	700sx 50/50 POZ, 100sx C1	Circ to surface
4-1/2"	11.6, 10.5#	6275' KB	6-1/4"	230sx C1-H	G. Circ to surf TOC @ 4100' KB

29. LINER RECORD | 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6052' KB	

31. PERFORATION RECORD (Interval, size and number)

6101-07' KB	2 JSPF
6044-56' KB	(27', 54 holes)
6014-18' KB	
6002-04' KB	
5996-99' KB	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Bradenhead sqz:	34sx C1-G
6107-5996' KB	1000 gal inh. 15% HCL, 65 l.l RCL balls, 75,000 gal 75% foam
	145,000# 20/40 SD

33.* PRODUCTION

DATE FIRST PRODUCTION 4/30/82 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing | WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/24/82	48	3/4"	→	—	540	12	—

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
370 psi	480 psi	→	—	270	6	—

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)
To be sold

35. LIST OF ATTACHMENTS
Electric logs forwarded by OWP and Gearhart

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

SIGNED Denise Wilson TITLE Production Analyst DATE 5/26/82

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

303-740-2591

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 38, 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, or 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.)

BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Dakota Sand	5895'KB	6109'KB	Sand, gas			
Morrison	6114'KB	TD	Sand, water			

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

38. GEOLOGIC MARKERS



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

September 10, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Federal #5-13
Sec. 5, T. 17S, R. 24E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office May 26, 1982, from above referred to well, indicates the following electric logs were run: DIL, CD/CNL, DIL/CDL, CBL/GR. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 927.1' FSL 979.2' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)		Notice of Production	

5. LEASE USA U-41372	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal	
9. WELL NO. 5-13	
10. FIELD OR WILDCAT NAME Westwater	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T17S R24E	
12. COUNTY OR PARISH Grand	13. STATE UT
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6870' GR	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 referenced well was put on production on 12-20-83. The nature of production is natural gas.



DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Pendelgh E. Wall TITLE Sr. Prod. Analyst DATE 12-28-83

(This space for Federal or State office use)

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

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92306011	FEDERAL #5-13 17S. 25E. 5	06	07	3	12/85	1100
95795016	FEDERAL #32-3	06	12	6	11/85	0800
92151018	FEDERAL #17-9 14S. 25E. 17	06	12	10	12/85	0900
92178013	CARLSON USA #15-4 14S. 25E. 13	06	12	4	12/85	0800
93124015	FEDERAL #2-23	06	15	—	11/85	T.D.
93154010	FEDERAL #23-12	06	15	—	11/85	T.D.
93439015	FEDERAL #29-5	06	15	12	11/85	1200
93321014	FEDERAL #29-16	06	15	3	12/85	1000

Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado

April 25, 1984

RECEIVED

APR 27 1984



DIVISION OF OIL
GAS & MINING

State of Utah
Department of Oil & Gas Conservation
4241 State Office Bldg.
Salt Lake City, UT 84114

Gentlemen:

Attached is a list of wells for which Tenneco Oil Company has been providing you with monthly state reports. Effective March 1, 1984, these wells were purchased by Quinoco Petroleum, Inc., 3801 East Florida Avenue, Suite 300, P. O. Box 10800, Denver, Colorado 80210. Quinoco will now be responsible for all state reporting on these wells beginning with March 1984 business.

Very truly yours,

TENNECO OIL COMPANY

Ursula C. Sulzbach
Ursula C. Sulzbach
Senior Revenue Analyst

UCS/wt
Attachment

TENNECO OIL COMPANY
Utah Wells Sold to Quinoco
Effective March 1, 1984

09
✓T. 17S R 24E Sec 4 Federal 4-12
✓T17S R 24E Sec. 14 Hogle USA 14-4
✓T17S R24E Sec 3 Federal 3-8
✓T17S R24E Sec 3 Federal 3-15
✓T16S R24E Sec 35 Federal 35-10
✓T17S R24E Sec 2 Dietler State 2-14
✓T17S R24E Sec 2 Dietler State 2-7
✓T16S R25E Sec 31 Calvinco USA 31-12
✓T17S R24E Sec 1 Reinauer 1-5
✓T17S R24E Sec 1 Reinauer 1-14
✓T16S R24E Sec 36 Tenneco State 36-14
✓T16S R24E Sec 36 Tenneco State 36-16
✓T16S R 24E Sec 35 Brown USA 35-3
✓T17S R24E Sec 12 Edward 12-2
✓T17S R25E Sec 7 Winter Camp Unit 7-14
✓T17S R24E Sec 11 Hogle 11-12
✓T17S R25E Sec 6 Federal 6-7
✓T17S R25E Sec 7 Federal 7-4
✓T16S R25E Sec 17 Federal 17-9
✓T16S R25E Sec 14 Federal 14-2
✓T16S R26E Sec 16 State 16-4
✓T16S R25E Sec 13 Carlson USA 13-4
✓T17S R24E Sec 5 Federal 5-13
✓T16S R24E Sec 33 Wilson USA 33-15
✓T17S R25E Sec 6 Federal 6-14
✓T16S R25E Sec 13 Federal 13-9
✓T16S R26E Sec 33 Federal 33-13
T17S R26E Sec 5 Federal 5-4
✓T16S R26E Sec 32 State 32-1
✓T16S R26E Sec 32 State 32-11
✓T17S R24E Sec 12 Tenneco USA 12-9

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

SEE IN TRIPLICATE 031718
(Order instructions on reverse side)

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
Omimex Petroleum, Inc.

3. ADDRESS OF OPERATOR
Stanford Place 1, Suite 1060
8055 E. Tufts Ave. Pkwy., Denver, CO 80237

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

878' FSL, 1098' FWL

14. PERMIT NO.
43-019-30544

15. ELEVATIONS (Show whether OF, BT, OR, etc.)
6868' GL, 6879' KB

5. LEASE DESIGNATION AND SERIAL NO.
USA U41372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
5-13

10. FIELD AND POOL, OR WILDCAT
Westwater

11. SEC., T., R., M., OR BLM. AND SURVEY OR ABRA
Sec. 5, 17S-24E

12. COUNTY OR PARISH 13. STATE
Grand Utah

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) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Change of Operator <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.)*

Change of Operator from Quinoco Petroleum, Inc., P.O. Box 378111, Denver, CO 80237 to Omimex Petroleum, Inc. effective as of March 1, 1987.

RECEIVED
MAR 12 1987

DIVISION OF OIL, GAS & MINING

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

SIGNED Mary Earle TITLE Production Analyst DATE 3-1-87

(This space for Federal or State office use)

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

<p>1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:</p>	<p>5. Lease Designation and Serial Number: ---</p>
<p>2. Name of Operator: OMIMEX PETROLEUM, INC.</p>	<p>6. If Indian, Allottee or Tribe Name: ---</p>
<p>3. Address and Telephone Number: 8055 E. Tufts Avenue Parkway, #1060 Denver, CO 80237 (303) 771-1661</p>	<p>7. Unit Agreement Name: CR222</p>
<p>4. Location of Well Footages: 1030' FNL, 690' FSL QQ, Sec., T., R., M.: SW Sec. 5-17S-24E</p>	<p>8. Well Name and Number: Federal 5-13</p> <p>9. API Well Number: 43-0193052200 30544</p> <p>10. Field and Pool, or Wildcat: Westwater</p> <p>County: Grand State: Utah</p>

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)																										
<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate date work will start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u>Annual Status Report</u></td> </tr> </table> <p>Date of work completion <u>Shut in June 1992</u></p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Annual Status Report</u>	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
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<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											
<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Annual Status Report</u>																											

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Omimex has no future plans for this well.

RECEIVED

MAR 15 1993

DIVISION OF
OIL GAS & MINING

13.
Name & Signature: B. J. Whitney *B.J. Whitney* Title: Production Analyst Date: 3/10/93

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

UTU41372

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Federal 5-13

9. API Well Number:

43-01930544

10. Field and Pool, or Wildcat:

Bryson Canyon Field

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
Oimimex Petroleum, Inc.

3. Address and Telephone Number:
8055 E. Tufts Ave. Pkway., #1060 - Denver, CO 80237 (303)771-1661

4. Location of Well

Footages:

QQ, Sec., T., R., M.: SWSW 5-17S-24E

County: Grand

State: Utah

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

NOTICE OF INTENT

(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. 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, 1993 operatorship transferred to:

North Star Resources, Inc.
15000 NW Freeway
Houston, TX 77040

(corporate office)

2210 Highway 6N50
Grand Junction, CO 81505
(303) 245-5902

(operations office)

13.

Name & Signature:

B.J. Whitney
B.J. Whitney

Title: Production Analyst

Date: 11/11/93

(This space for State use only)

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.

UTU41372

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

FEDERAL 5-13

2. Name of Operator

NORTHSTAR GAS COMPANY INC.

9. API Well No.

43-01930544

3. Address and Telephone No.

820 GESSNER SUITE 1630 713-9359542
HOUSTON TX 77024

10. Field and Pool, or Exploratory Area

WESTWATER

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

SWSW 5-17S-24E

11. County or Parish, State

GRAND COUNTY, UTAH

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

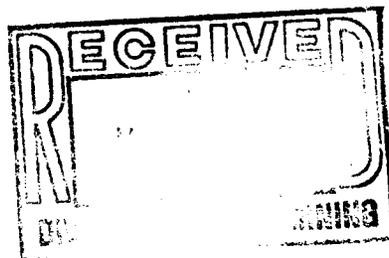
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other 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 11-01-93 NORTHSTAR GAS CO. INC. WILL BECOME OPERATOR OF THE ABOVE WELL.



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

Signed PAUL BERNARD

Title SEC/TREAS

Date 05-04-94

(This space for Federal or State office use)

Approved by /s/ WILLIAM C. STRINGER
Conditions of approval, if any:

Title Associate District Manager

Date _____

CONDITIONS OF APPROVAL ATTACHED

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.

Northstar Gas Company, Inc.
Well No. Federal 5-13
SWSW Sec. 5, T. 17 S., R. 24 E.
Grand County, Utah
Lease U-41372

CONDITIONS OF APPROVAL

Approval of this application 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.

Be advised that Northstar Gas Company, Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0845 (Principal - Northstar Gas Company, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL GAS OTHER:

2. Name of Operator: NORTHSTAR GAS COMPANY, INC.

3. Address and Telephone Number:
820 GESSNER, SUITE 1630, HOUSTON, TX 77024 713-935-9542

4. Location of Well

Footage:

OO, Sec., T., R., M.: SWSW 5-17S-24E

5. Lease Designation and Serial Number:

UTU41372

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

FEDERAL 5-13

9. API Well Number:

43-01930544

10. Field and Pool, or Wildcat:

WESTWATER

County: GRAND

State: UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATOR</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. 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, 1993 OPERATORSHIP TRANSFERRED FROM:
OMIMEX PETROLEUM, INC.
8055 E. TUFTS AVE. PKWAY. #1060
DENVER CO 80237 (303) 771-1661

TO:
NORTHSTAR GAS COMPANY, INC.
820 GESSNER, SUITE 1630
HOUSTON, TX 77024 (713) 935-9542

INDEXED
5-1007

13.

Name & Signature:

Harry K. Dean

Title:

President

Date:

5/24/94

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-LEC
2-DES	
3-VLC	
4-RJF	
5-PL	
6-SJ	

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: 11-1-93)

TO (new operator)	<u>NORTHSTAR GAS COMPANY INC.</u>	FROM (former operator)	<u>OMIMEX PETROLEUM INC.</u>
(address)	<u>15000 NW FWY STE 203</u>	(address)	<u>8055 E TUFTS AVE STE 1060</u>
	<u>HOUSTON, TX 77040</u>		<u>DENVER, CO 80237</u>
	<u>PAUL BERNARD</u>		
phone	<u>(713) 937-4314</u>	phone	<u>(303) 771-1661</u>
account no.	<u>N 6680</u>	account no.	<u>N 0735</u>

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

- | | | | | | | | | | | | | | | |
|-------|-----------------------------|------|---------------------|---------|-------------|-----|-----------|------|------------|-----|------------|-------|-------|----------------|
| Name: | <u>FEDERAL 3-8/DKTA</u> | API: | <u>43-019-30521</u> | Entity: | <u>6545</u> | Sec | <u>3</u> | Twpl | <u>17S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U38838A</u> |
| Name: | <u>FEDERAL 3-15/DK-MR</u> | API: | <u>43-019-30463</u> | Entity: | <u>6530</u> | Sec | <u>3</u> | Twpl | <u>17S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U38838A</u> |
| Name: | <u>FEDERAL 5-13/DKTA</u> | API: | <u>43-019-30544</u> | Entity: | <u>6528</u> | Sec | <u>5</u> | Twpl | <u>17S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U41372</u> |
| Name: | <u>FEDERAL 28-15/DKTA</u> | API: | <u>43-019-30545</u> | Entity: | <u>9160</u> | Sec | <u>28</u> | Twpl | <u>16S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U10152A</u> |
| Name: | <u>WILSON 33-2/MNCSB</u> | API: | <u>43-019-30703</u> | Entity: | <u>9162</u> | Sec | <u>33</u> | Twpl | <u>16S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U31468</u> |
| Name: | <u>WILSON 33-15/DKTA</u> | API: | <u>43-019-30520</u> | Entity: | <u>2870</u> | Sec | <u>33</u> | Twpl | <u>16S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U31468</u> |
| Name: | <u>BROWN USA 35-3/DK-MR</u> | API: | <u>43-019-30771</u> | Entity: | <u>6526</u> | Sec | <u>35</u> | Twpl | <u>16S</u> | Rng | <u>24E</u> | Lease | Type: | <u>U10152</u> |
- CONT.

OPERATOR CHANGE DOCUMENTATION

- Le 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 11-15-93)*
- Le 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 11-19-93) (Rec'd 5-23-94)*
- 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: _____.
- Le 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.
- Le 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-31-94)*
- Le 6. Cardex file has been updated for each well listed above. *6-1-94*
- Le 7. Well file labels have been updated for each well listed above. *6-1-94*
- Le 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-31-94)*
- Le 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 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

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.
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: June 8 1994.

FILING

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

COMMENTS

940531 Btm/Moeb Aprv. 5-15-94 eH. 11-1-93.