

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 Palmer Oil & Gas Company - Energy Increments, Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 2480' FWL, 1680' FSL **NE SW**
 At proposed prod. zone: 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 drlg. unit line, if any) 960'
 16. NO. OF ACRES IN DEED 520

17. NO. OF ACRES ASSIGNED TO THIS WELL 240
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None
 19. PROPOSED DEPTH 6673' Morrison
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7058' G.L., 7069' K.B.

22. APPROX. DATE WORK WILL START*
 October 1, 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
7 7/8"	7" new	K-55 20#	2225'	150 sacks
6 1/4"	4 1/2" new	K-55 10.5# & 11.6#	6673'	225 sacks

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Castlegate-2343, Frontier-5633, Dakota-6003, Morrison-6203.
- 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, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.

(Con't 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 James G. Routson TITLE Petroleum Engineer DATE June 1, 1979
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
 USA U31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal #33-14

10. FIELD AND POOL, OR WILDCAT
 Westwater

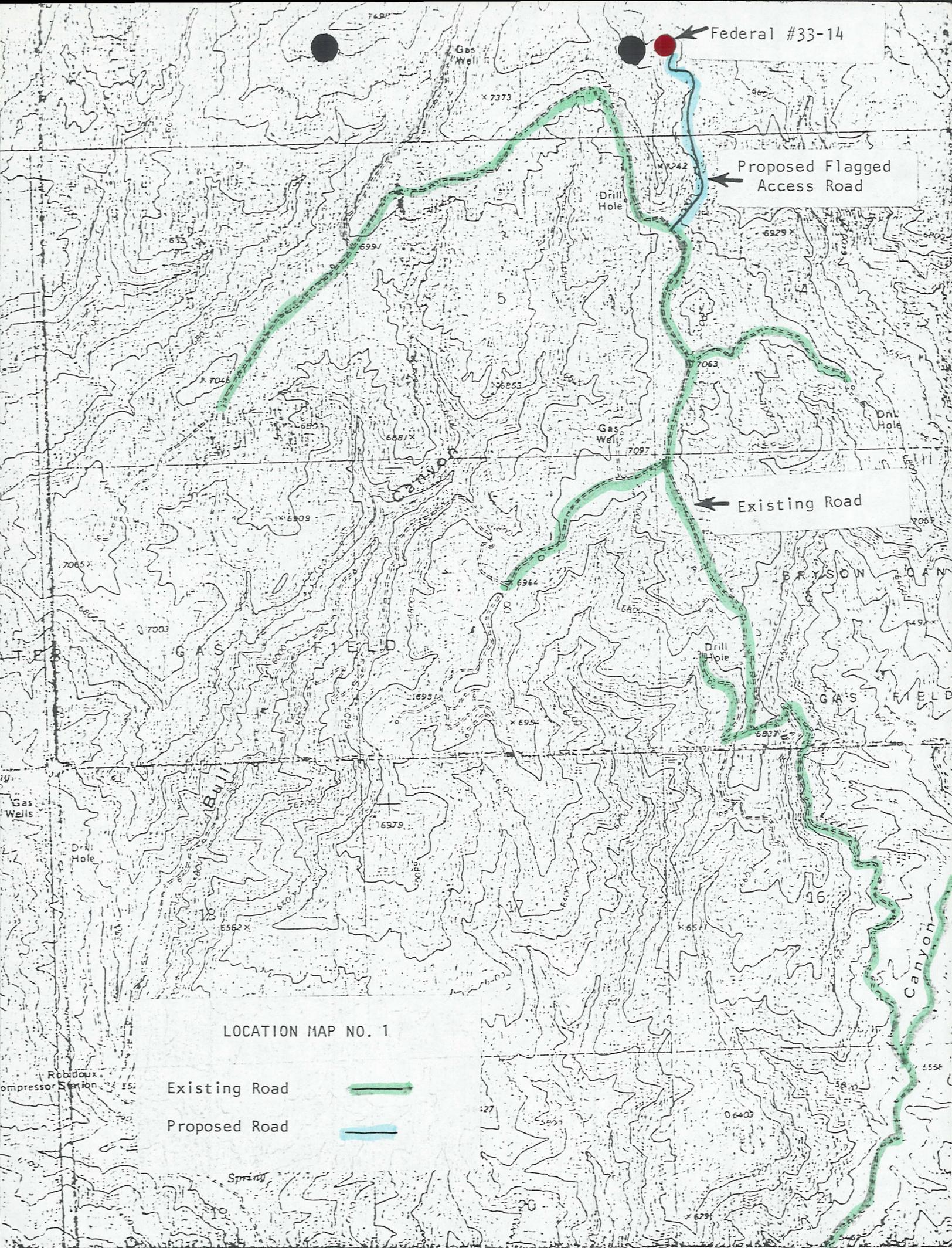
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 33-16S-24E

12. COUNTY OR PARISH 13. STATE
 Grand Utah



APPLICATION FOR PERMIT TO DRILL (Con't)

9. No abnormal pressures or temperatures anticipated. No poisonous gas anticipated.
10. Anticipated spud date is October 1, 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 $W\frac{1}{2}SW\frac{1}{4}$ and the $SE\frac{1}{4}$ of Section 33, containing 240 acres.
14. Designation of Operator forms are enclosed.
15. Stipulation form from Palmer Oil & Gas Company is enclosed.



Federal #33-14

Proposed Flagged Access Road

Existing Road

LOCATION MAP NO. 1

Existing Road
Proposed Road

Gas Well

Drill Hole

Gas Well

Drill Hole

Drill Hole

Drill Hole

Gas Wells

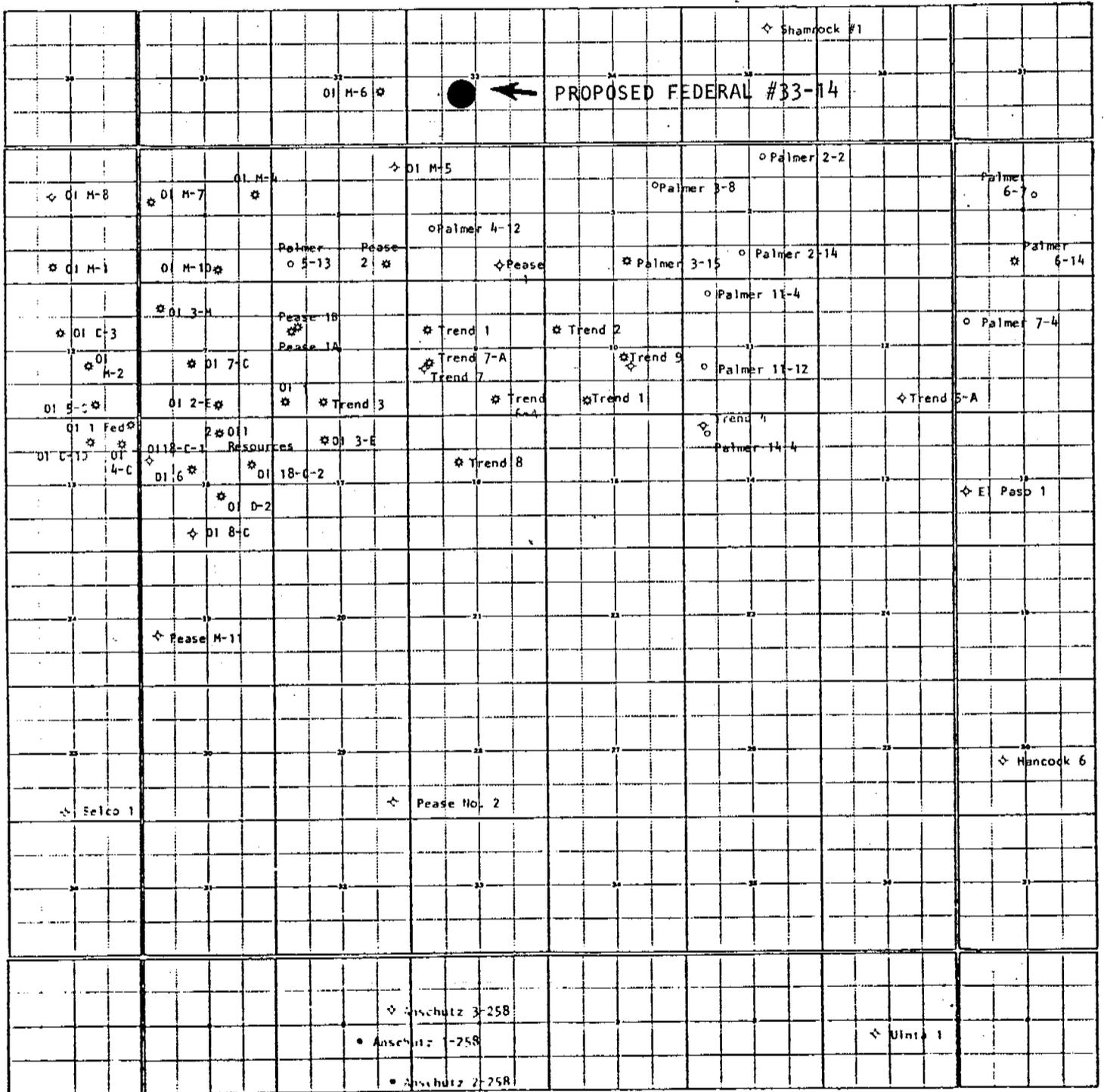
Drill Hole

Robidoux Compressor Station

Spring

WELL MAP NO. 2

01 - 011 Inc. Township 17 South Range 24 East County Grand State Utah



TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL #33-14
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 33-T16S-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 5 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.
 - 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 3 $\frac{1}{2}$ ' 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

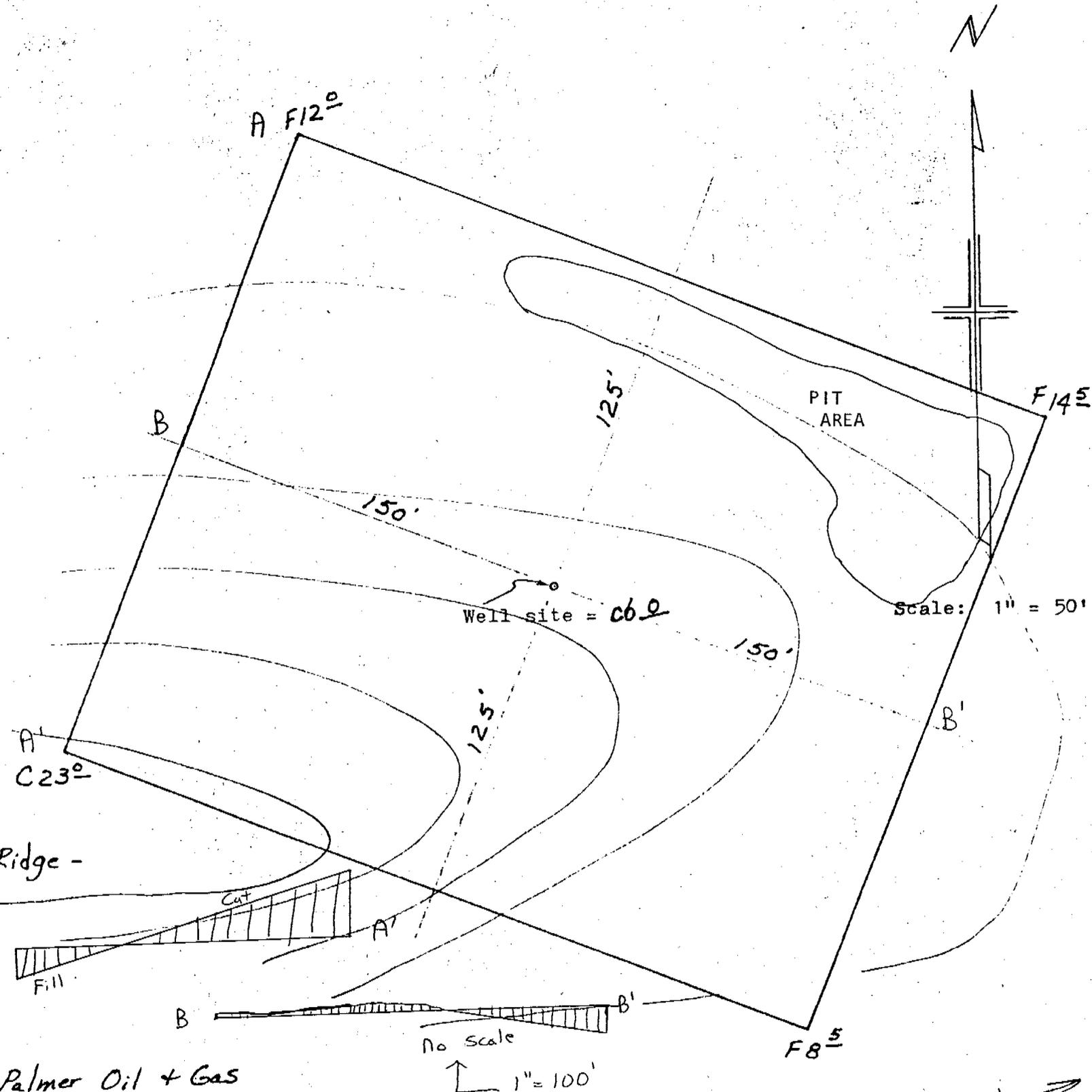
William H. Buniger
P. O. Box 42
Loma, Colorado 81524

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
 '33-14 Southwest Federal
 '680 FSL - 2480 FWL
 Sec. 33, T-16-S, R-24-E
 Grand Co. Utah

Draw →
 by: M. C. Edwards
 Powers Elevation Company, Inc.
 5-24-79

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

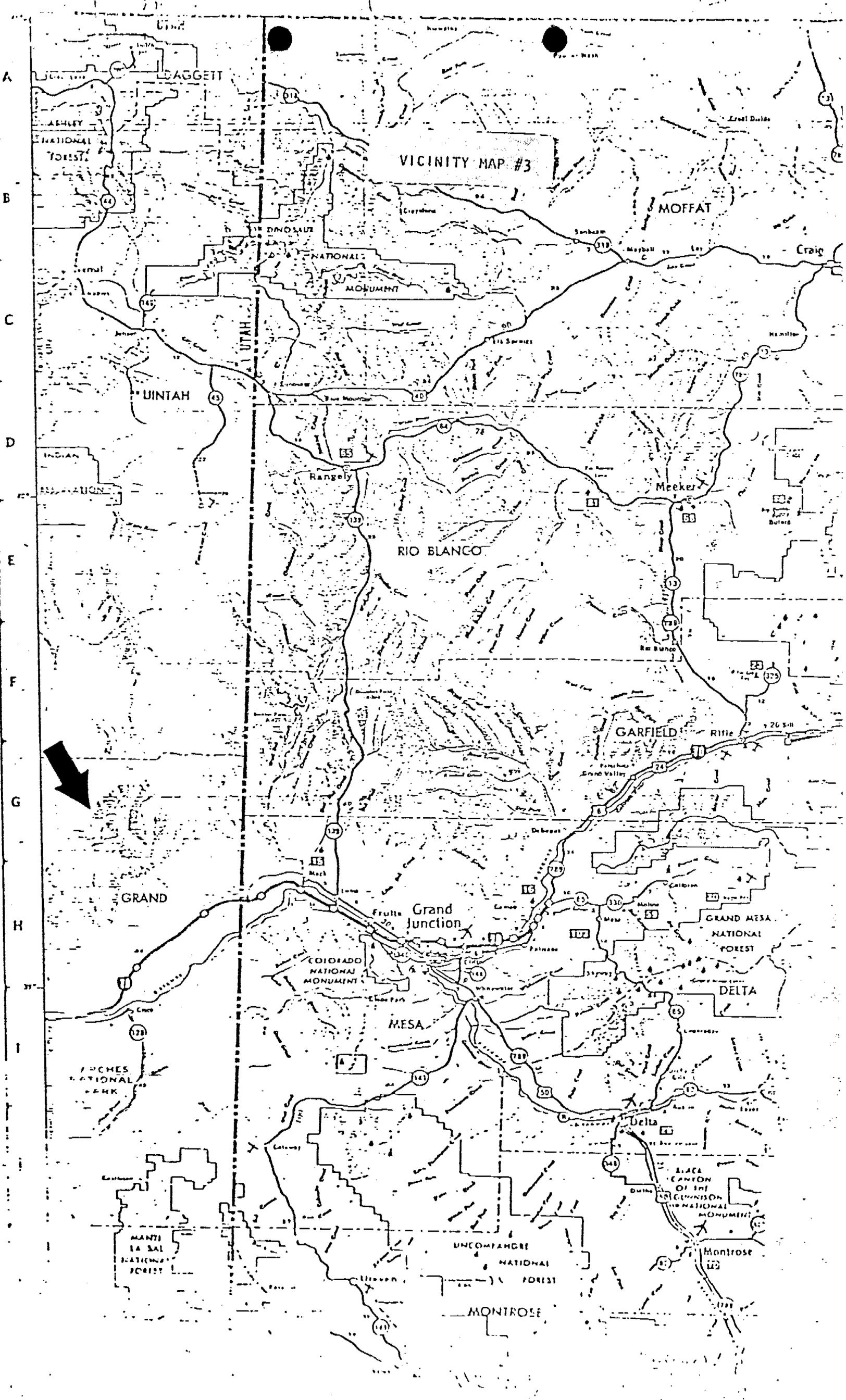
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. USA-631468OPERATOR: Dalme Oil & Gas Co. - Energy Increments, Inc. WELL NO. 33-14 (2dual)LOCATION: 1/2 NE 1/4 SW 1/4 sec. 33, T. 16S, R. 24E, S1MGrand County, Utah

1. Stratigraphy: State Geologic Map indicates surface formation is Tertiary Tuscher Formation. Operator's suggested stratigraphic tops are reasonable.
2. Fresh Water: May occur in Mesaverde
3. Leasable Minerals: Prospectively valuable for coal. Coal may occur in Mesaverde and Dakota and are probably uneconomic.
4. Additional Logs Needed: None; Run thru Mesaverde & Dakota to identify coal
5. Potential Geologic Hazards: None anticipated
6. References and Remarks: About 3 mi SW of San Arroyo KGS; WRD #44;
State Geologic Map

Signature: Candace C. Clark Date: 6-28-79



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

Usual Environmental Analysis

Lease No. U-31468

Operator Palmer Oil & Gas Co. & Energy Incre- Well No. 33-14
ments
 Formerly: 2480' FWL & 1680' FSL
 Location 1080' FSL 2235' FEL Sec. 33 T. 16S R. 24E

County Grand State Utah Field WestwaterStatus: Surface Ownership Public Minerals FederalJoint Field Inspection Date July 19, 1979 and 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>9/9</u>	<u>Mike Buniger</u>	<u>Dirt Contractor, Operator's Rep.</u>
<u>7/19 & 9/9</u>	<u>Bill Buniger</u>	<u>Operator's Representative</u>
<u>"</u>	<u>"</u>	<u>John Evans</u>
		<u>U. S. Geological Survey</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 JunctionDate October 10, 1979

Loc moved SA
 Pad 150 x 250
 Pit 25 x 150
 7/16 mi x 16' new access
 Flowline not in
 strike pile to pad
 3 ac (1/2)
 steps 1 & 2

Proposed Action:

On June 4, 1979, Palmer Oil and Gas Co. and Energy Increments, Inc., filed an Application for Permit to Drill the No. 33-14 exploratory well, a 6673' oil and gas test of the Morrison and Dakota Formations; located at an elevation of 7058' in the NE/4 SW/4, Sec. 33, T16S, R24E on Federal mineral lands and Public surface; lease No. U-31468.

On July 19, 1979, a location was inspected. The survey stake did not agree with the paperwork and operator felt a better location was available nearby. It was agreed to hold application in abeyance pending clarification and revision. The access road was poorly flagged also. The operator resubmitted his application along with a new survey plat. There was no objection to new location.

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 150' wide x 250' long and a reserve pit 25' x 150'. A new access road would be constructed 18' wide x 0.7 mile long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed 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 0.7 mile of the location. This well is in the Westwater Field.

Topography:

The proposed location is on a terrace of north/south trending ridge.

Geology:

The surface geology is Mesa Verde. The soil is shallow consisting of sands and gravels of parent material. 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 clay type soil. 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.

Topsoil 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.

Approximately three 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 bloole line by acceptable means, such as misting end of line.

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".

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:

Drainage is to Bryson Canyon. 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. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

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.

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 or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Proposed Stipulations if Approved:

- 1) Operator submitted Sundry Notice moving location from 2480' FWL and 1680' FSL to a better topographic location at 1080' FSL & 1680' FEL.
- 2) Drainage on northwest edge of location diverted to north.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately three 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 Bryson Canyon would exist through leaks and spills.

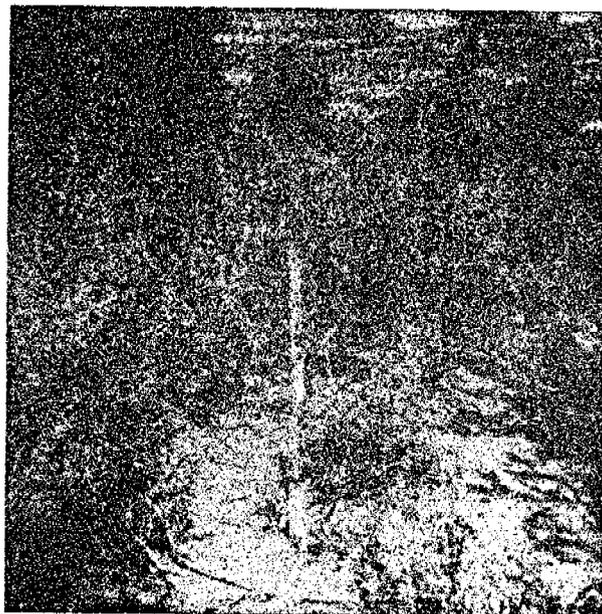
If well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

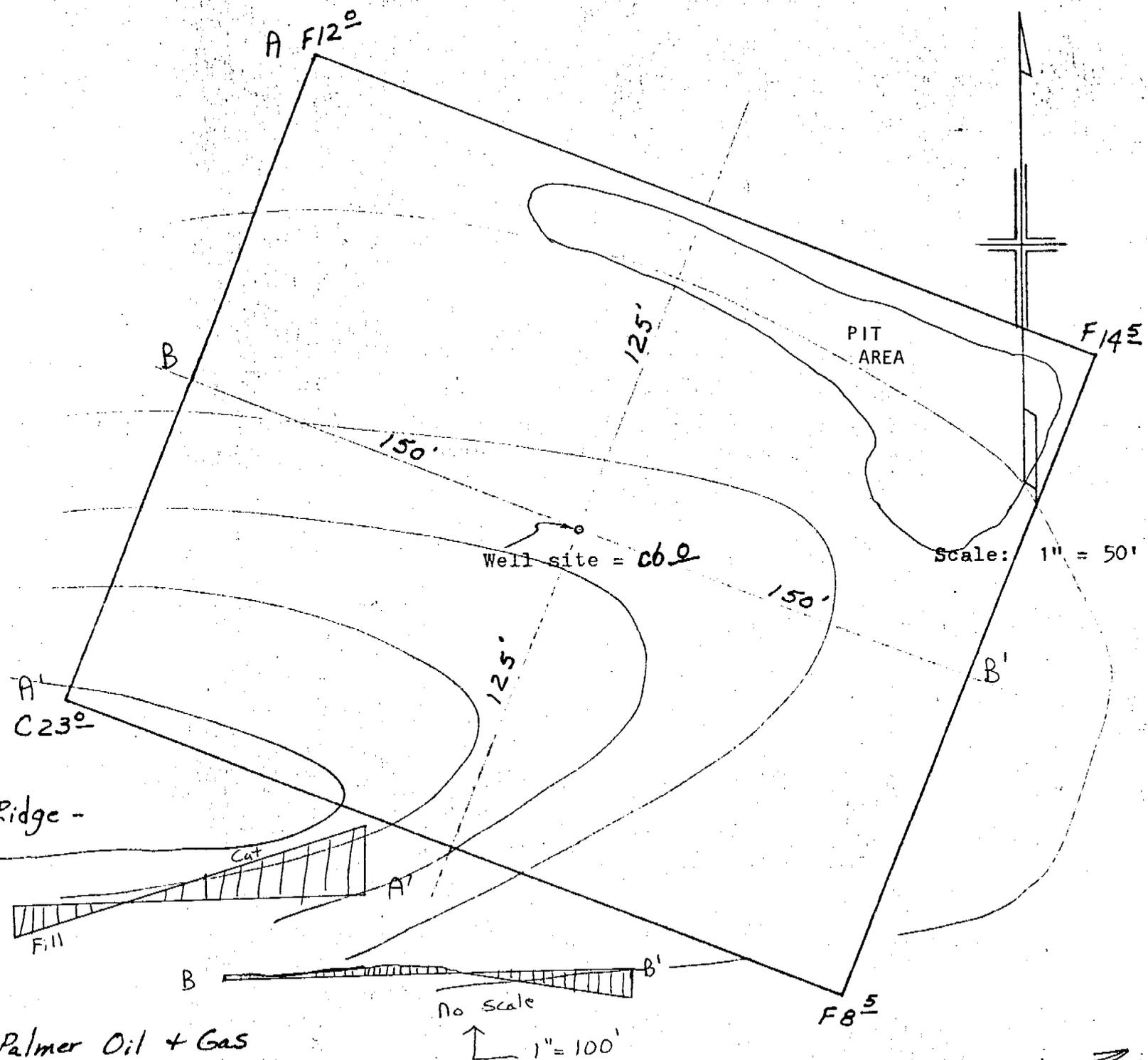
Determination:

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

Date10/22/79

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



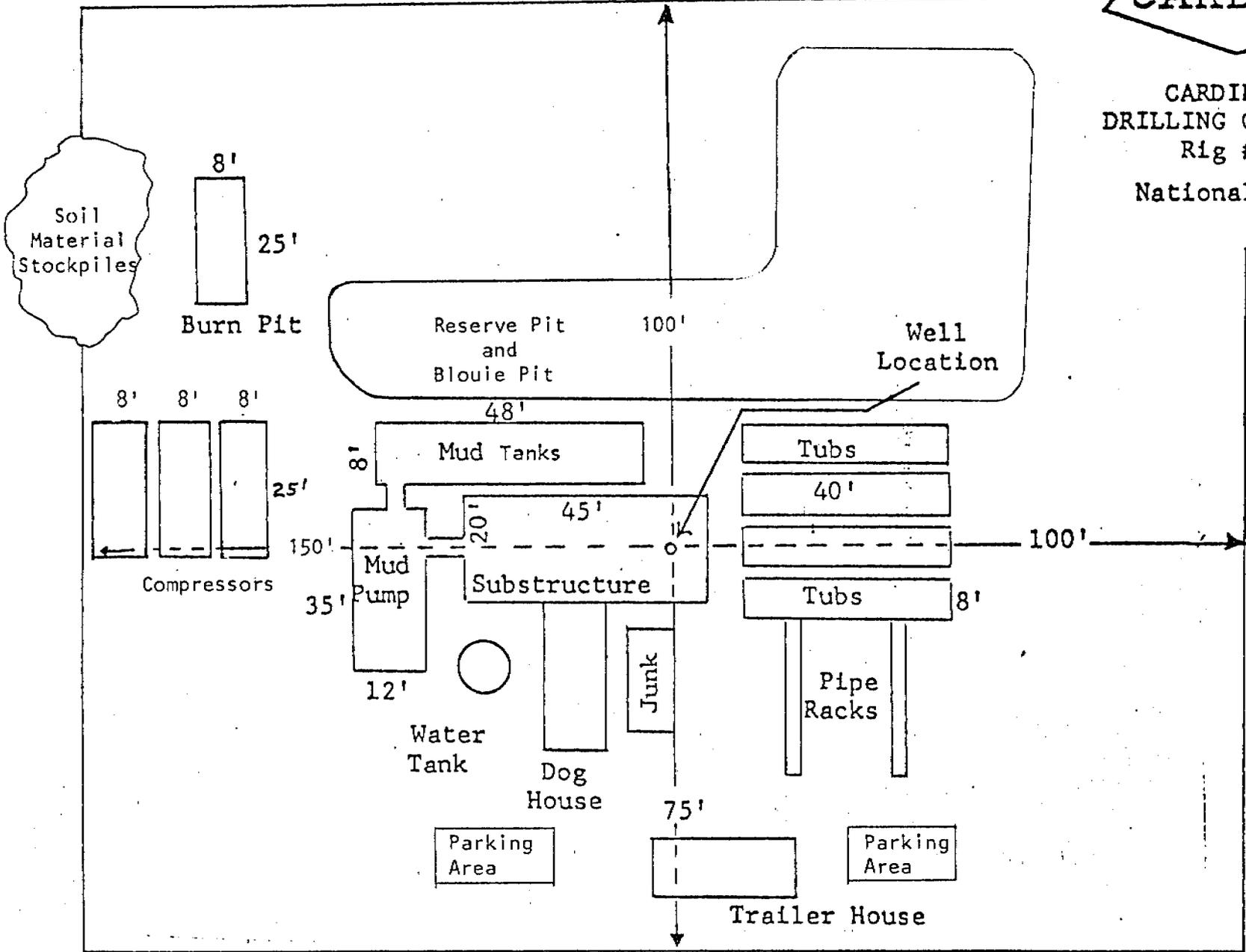
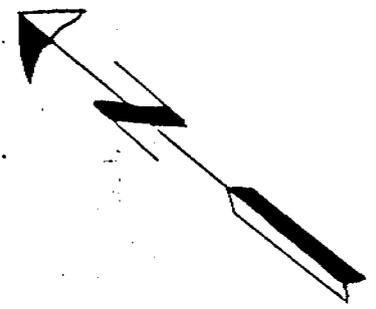


Palmer Oil + Gas
 33-14 Southwest Federal
 680 FSL - 2480 FWL
 Sec. 33, T-16-S, R-24-E
 Grand Co. Utah

Draw →
 by: N. C. Edwards
 Powers Elevation Company, Inc.
 5-24-79



CARDINAL
DRILLING COMPANY
Rig #4
National T-32

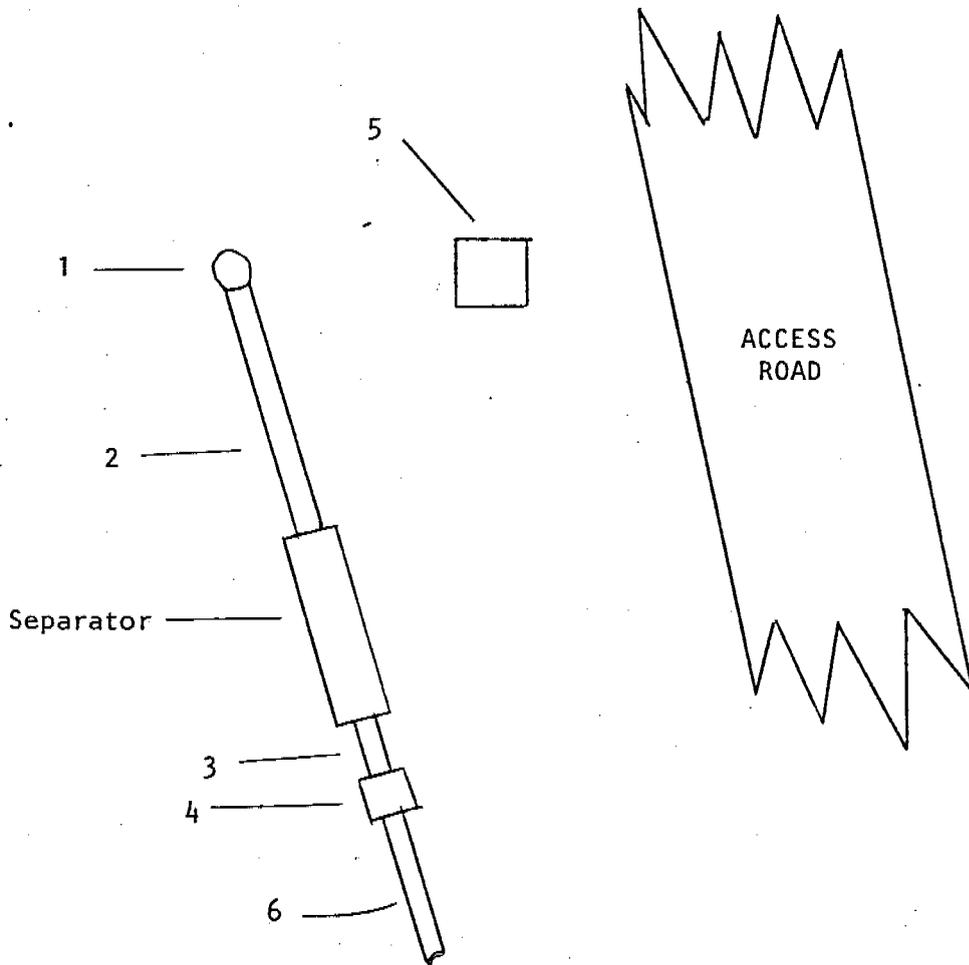


PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

PLAT #3

Federal #33-14
Wellhead

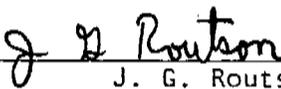


1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet PO&GC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet 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.

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 2225', 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 6600 or a gradient of .1818 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY



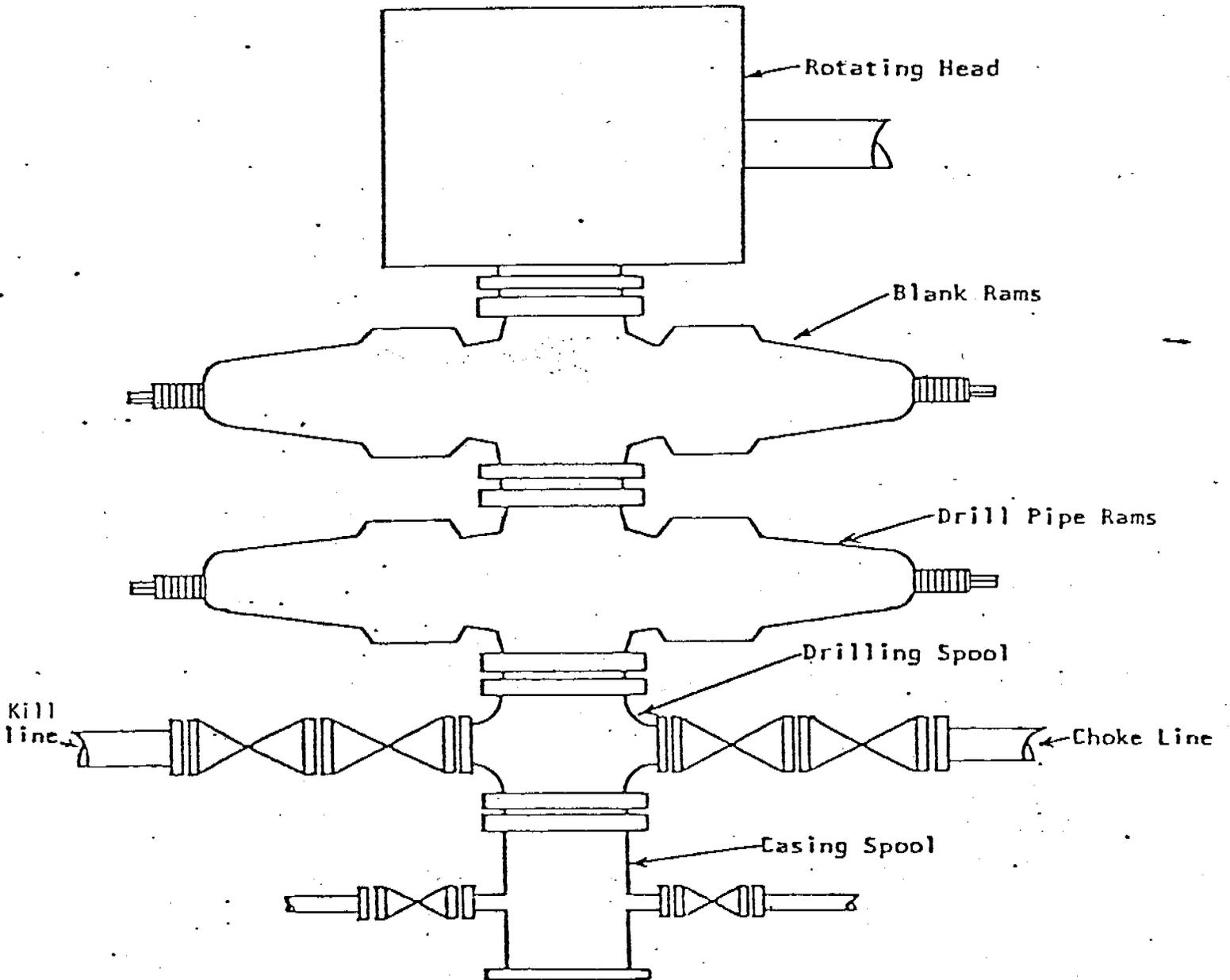
J. G. Routson

SCHEMATIC OF BOP STACK

AIR DRILLED WELLS
using

900 series well head equipment

Interval from 120' to TD



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 33-15

Location: Sec. 33 T. 16S R. 24E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-019-30520

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M. J. Minder 6-11-79

Remarks: The area of the spacing unit is somewhat unconventional

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 165-4 5/23/79

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:

Letter Written/Approved

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

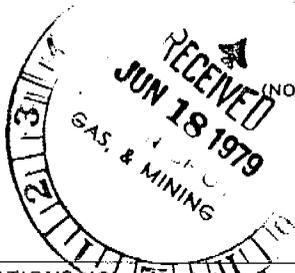
3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2480' FWL, 1680' FSL
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
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other) Change spacing unit



5. LEASE
USA U-37468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal #33-14

9. WELL NO.
#33-14

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
NE 1/4 SW 1/4 Sec. 33-16S-24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS: (SHOW DF, KDB, AND WD)
7058' GL 7069' KB

(NOTE: Report results for 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.)*

Spacing unit is the E 1/2 SW 1/4 and the SE 1/4 of Section 36, T. 16S., R. 24E., S. 16S., the W 1/2 SW 1/4 and SE 1/4.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Sept 14, 1979

BY: Frank M. Hansen

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED Grace E. Brown TITLE Assistant Secretary DATE June 18, 1979

(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

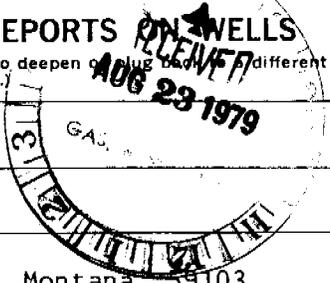
(Do not use this form for proposals to drill or to deepen or plug back a different reservoir. Use Form 9-331-C for such proposals.)

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: 1080' FSL, 2235' FEL
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) <u>Change of location</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.)*

Location moved following the joint on-site inspection. Enclosed is a new Survey Plat #1, and a new Topographic Map #2 which shows the new cross-sections and the new pad area.

The new footages are 1080' FSL, & 2235' FEL, and were changed from 2480' FWL, & 1680' FSL.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 9/13/79
BY: [Signature]

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

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

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

(This space for Federal or State office use)

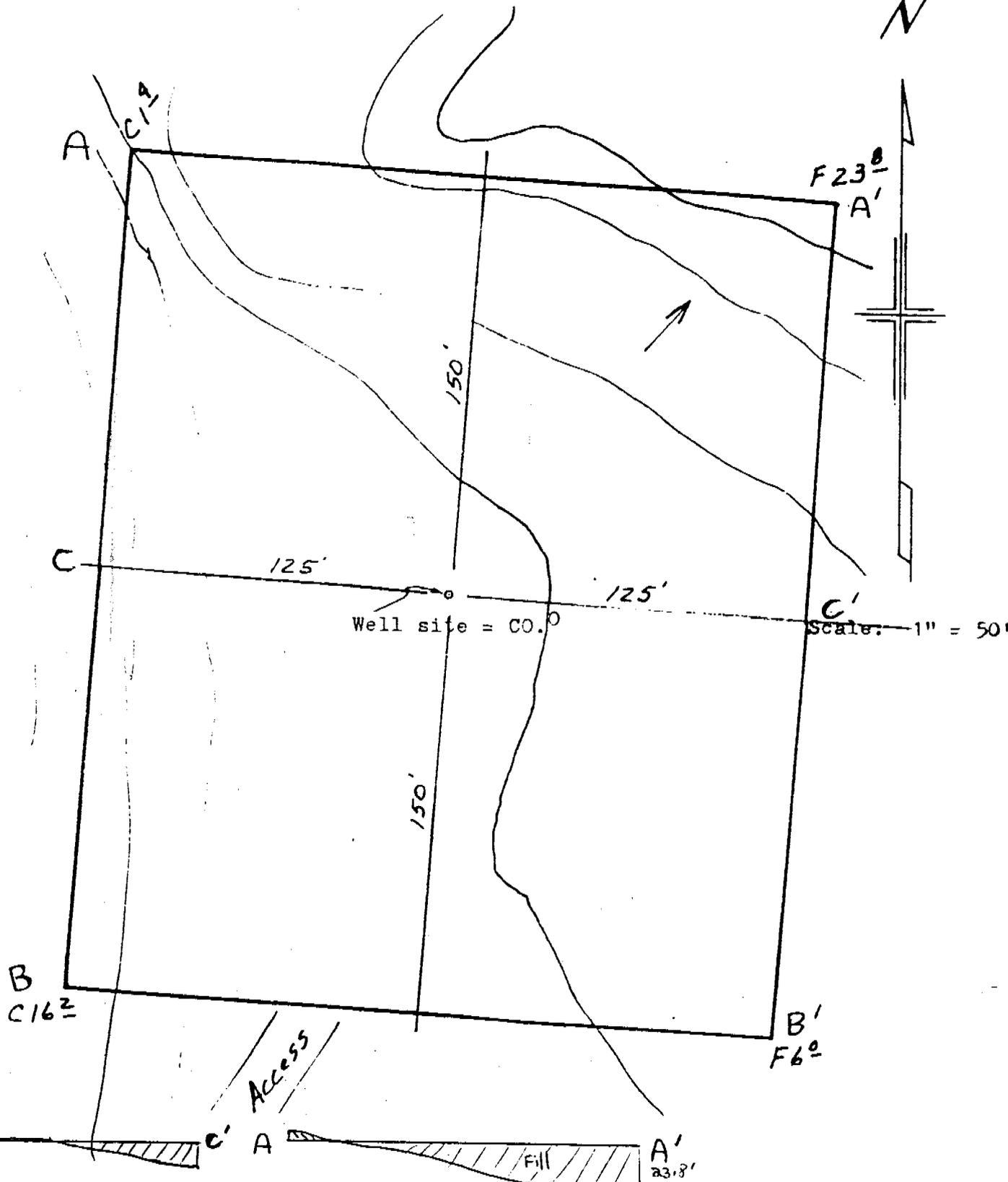
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TOPOGRAPHIC MAP

PLAT NO. 2

N

High Ridge



Palmer Oil + Gas
 #33-14 Southwest Federal
 1080' FSL - 2235' FEL
 33-16S-24E
 Grand Co. Utah

by: N.C. Edwards
 Powers Elevation Company, Inc.

8-10-79

Tenneco Oil Company

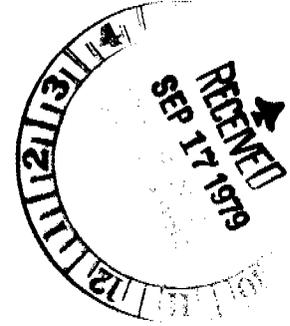
A Tenneco Company

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



M.
JK

September 14, 1979



Division of Oil, Gas & Mining
State of Utah
1580 W, North Temple
Salt Lake City, Utah 84116
Attention: Kathy Avila

Re: Palmer Oil & Gas Company

Gentlemen:

Tenneco Oil Company has recently made certain applications concerning oil and gas development on properties owned by Palmer Oil & Gas Company. You have requested that we furnish a general letter explaining Tenneco's interest in Palmer's properties.

Under a purchase agreement dated June 29, 1979 Tenneco is in the process of acquiring certain of the oil and gas properties of Palmer which will be conveyed directly to Tenneco Oil Company. The balance of Palmer's properties will be assigned to a newly-formed corporation named Pate Oil Company. The Pate properties will be operated by Tenneco under a specific written operating agreement. The closing of these acquisitions is set for September 25, 1979.

Please let me know if you wish any further information concerning the Palmer Oil & Gas Company purchase.

Yours very truly,

TENNECO OIL COMPANY

By: Millard F. Carr
Millard F. Carr
Division Attorney

MFC/ps

cc: Division of Lands, State of Utah
Room 411 - Empire Building, 231 E. 400 S.
Salt Lake City, Utah 84111
Attention: Donald G. Prince

Tenneco Oil
A Tenneco Company

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



Kathy Z

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 16-4-30455

Township 17 South, Range 24 East

-SIGW-Section 3: ✓Federal 3-8/Section 5: ✓Federal 5-13-
 SIGW-
 Section 14: ✓Federal 14-4-3007

Section 4: ✓Federal 4-12-3008

Township 17 South, Range 25 East

Section 6: ✓Federal 6-7-3050
 ✓Federal 6-14-SIGW-3042
Section 7: ✓Federal 7-4-SIGW-3007
Section 29: ✓Federal 29-1-30405

Township 17 South, Range 26 East

Section 5: ✓Federal 5-4-SIGW-
 ✓Federal 5-9-SIGW-
Section 8: Federal 8-5-SIGW-2011

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

/2/

Thank you for your assistance on the location variance for the Federal 35-10. If we may be of any further assistance, please don't hesitate to ask.

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script, appearing to read "Steven R. Dunn".

Steven R. Dunn
Petroleum Landman

SRD/kk

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: DRILL [X] DEEPEN [] PLUG BACK []
2. TYPE OF WELL: OIL WELL [] GAS WELL [X] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []
3. NAME OF OPERATOR: Tenneco Oil Company
4. ADDRESS OF OPERATOR: 720 S. Colorado Blvd., Denver, CO 80222
5. LOCATION OF WELL: At surface 1080' FSL, 2235' FEL
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 33 miles Northwest of Mack, Colorado.
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.: 960'
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None
9. ELEVATIONS: 6951 OL, 7058 C.E., 7069 K.B.

5. LEASE DESIGNATION AND SERIAL NO.: USA U31468
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME: Federal
9. WELL NO.: Federal #33-14
10. FIELD AND POOL, OR WILDCAT: Westwater
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 33, T16S, R24E
12. COUNTY OR PARISH: Grand
13. STATE: UT

3. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 12 1/2", 7 7/8", and 6 1/2" hole sizes.

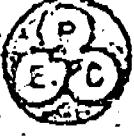
- 1. Surface formation is the Mesaverde.
2. Anticipated geologic markers are: Castlegate-2343, Frontier-5633, Dakota-6003, Morrison-6203
3. Gas is anticipated in the Dakota, Morrison, and possibly in the Castlegate. No water, oil, or other minerals are anticipated.
4. Proposed casing program: See item No. 23 above.
5. 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.
6. 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.
7. Auxiliary Equipment: See well control plan.
8. The logging program will consist of an IES log from TD to the base of intermediate casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.

4. 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.

SIGNED: J. D. Traywick, Administration Supervisor, DATE: November 15, 1979

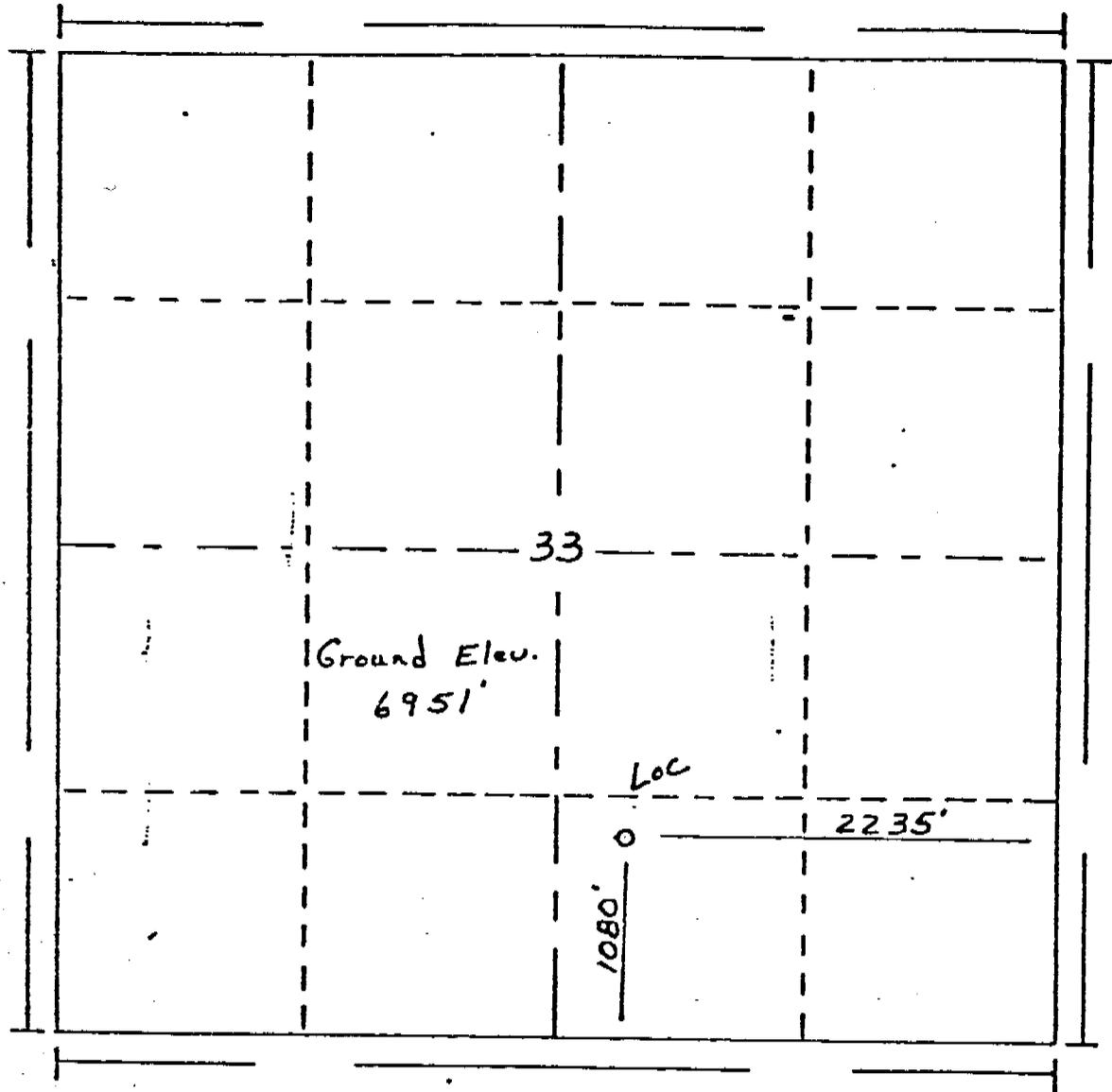
PERMIT NO. APPROVAL DATE
APPROVED BY: [Signature], DISTRICT ENGINEER, DATE: NOV 20 1979

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED See Instructions On Reverse Side Operator



PLAT #1

R. 24 E.



T. 16 S

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from *Bob Ballantyne*
 for *Palmer Oil + Gas*
 determined the location of #33-14 Southwest Federal
 to be 1080 FSL + 2235 FEL Section 33 Township 16 S.
 Range 24 E. Salt Lake Meridian
 Grand County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of #33-14

Date: 8-10-79

J. Walker
 Licensed Land Surveyor No. 2711
 State of Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

NAME OF OPERATOR
Tenneco Oil Company

ADDRESS OF OPERATOR
720 S. Colorado Blvd., Denver, CO 80222

LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1080' FSL, 2235' FEL
At proposed prod. zone
Same

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

d. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
960'

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

f. ELEVATIONS (Show whether DF, RT, GR, etc.)
6951' GL
~~7058' C.L., 7069' K.B.~~

5. LEASE DESIGNATION AND SERIAL NO.
USA U31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Federal #33-14

10. FIELD AND POOL, OR WILDCAT
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33, T16S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
UT

14. NO. OF ACRES IN LEASE
520

15. NO. OF ACRES ASSIGNED TO THIS WELL
240

16. PROPOSED DEPTH
6673' Morrison

17. ROTARY OR CABLE TOOL
Rotary

18. APPROX. DATE WORK WILL START*
October 1, 1979

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8" new	35#, K-55	120'	150 Sacks
7 7/8"	7" new	20#, K-55	2225'	* 150 Sacks
6 1/2"	4 1/2" new	10.5-11.6 K-55	6673' Morrison	* 225 Sacks

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Castlegate-2343, Frontier-5633, Dakota-6003, Morrison-6203
- 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, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.

Cmt 150-200' above upper hydrocarbon zone

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.

SIGNED J. D. Traywick TITLE Administration Supervisor DATE November 15, 1979
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (Orig. Sgd.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE NOV 20 1979
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

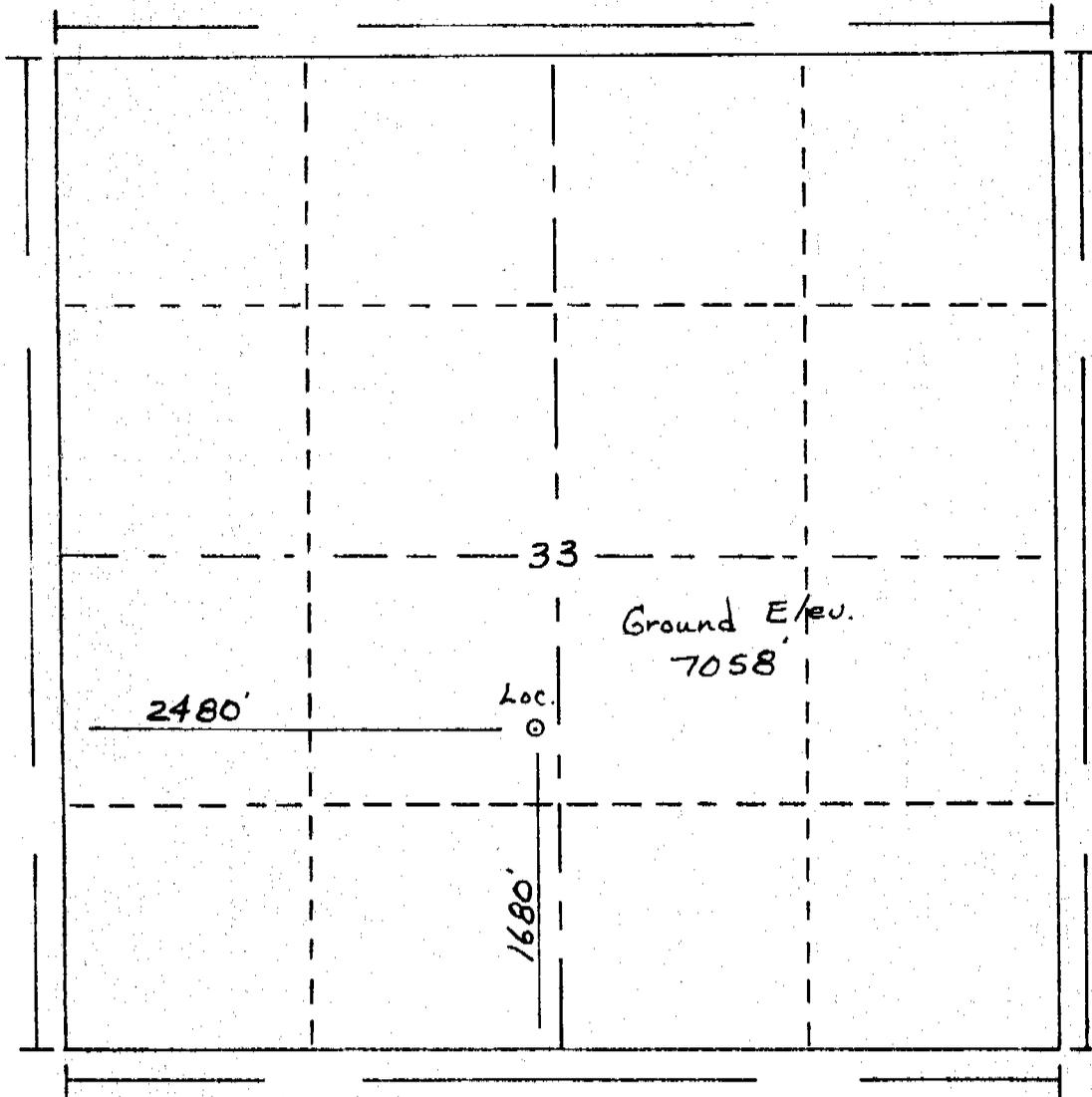
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

Utah O & G



R. 24 E.



T. 16 S.



Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado has in accordance with a request from Jim Routson for Palmer Oil & Gas determined the location of #33-14 Southwest Federal to be 1680' FSL + 2480' FWL Section 33 Township 16 S. Range 24 E. Salt Lake Meridian Grand County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of #33-14

Date: 5-24-79

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

February 25, 1980

Tenneco Oil Co.
720 South Colorado Blvd.
Denver, Colorado 80222

Re: Well No. Fed. 4-12
Sec. 4, T. 17S, R. 24E,
Grand County, Utah

Well No. Fed. 14-4
Sec. 14, T. 17S, R. 24E.
Grand County, Utah

See enclosed paper

Gentlemen:

In reference to 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 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

Re: Well No. State 16-4
Sec. 16, T. 16S, R. 26E.
Grand County, Utah

Well No. Fed. 33-14
Sec. 33, T. 16S, R. 24E.
Grand County, Utah

Tenneco Oil
A Tenneco Company

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



March 3, 1980

RECEIVED

MAR 5 1980

Mr. Cleon B. Freight - Director
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

DIVISION OF
OIL, GAS & MINING

RE: Janice Tabish Letter 2-25-80
Federal 4-12 State 16-4
Federal 14-4 Federal 33-14
All in Grand County, Utah

Dear Mr. Freight:

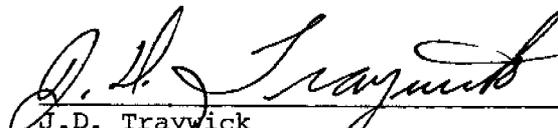
We do plan to drill these wells in 1980, however, the Bureau of Land Management will not allow drilling of Federal Leases above 7,000 feet until sometime after April when road conditions improve. We must wait on their approval to start operations.

Drilling of the State 16-4 is being held up due to right-of-way problems across approximately 500 feet of Federal land. This should be approved within the next thirty days.

If you need additional information, please call this office.

Yours very truly,

TENNECO OIL COMPANY



J.D. Traywick
Administrative Supervisor

JDT/kae
cc: Well Files

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Tenneco Oil Company

WELL NAME: Wilson U.S.A. #33-15

SECTION 33 SE SW TOWNSHIP 16S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Atco

RIG # 5

SPUDDED: DATE 8/5/80

TIME 12:00 a.m.

HOW rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY Don Poindexter

TELEPHONE #

DATE August 4, 1980

SIGNED



cc: USGS

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
720 So. Colorado Blvd., Denver, Colo. 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1080 FSL 2235 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U 31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
33-14

10. FIELD OR WILDCAT NAME
Westwater

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33, T16S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6951 GR

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

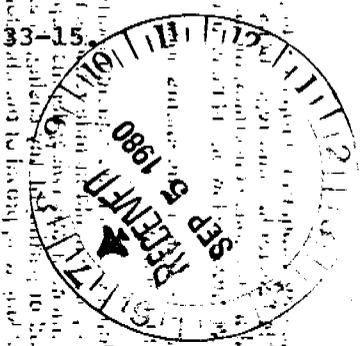
REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
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) change name	<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.)*

We request permission to change the well name to the Wilson 33-15.

9/8/80
CB Feight



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

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

SIGNED [Signature] TITLE Staff Production Analyst DATE September 2, 1980

(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
720 So. Colo. Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1080' FSL, 2235' FEL
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 checked="" 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>spudding</u>		<u>csg. report</u>

5. LEASE
USA - U31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wilson USA

9. WELL NO.
33-15

10. FIELD OR WILDCAT NAME
UND Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33; T16S; R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7058' gr. 7089' 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.)*

8/5/80 - 8/21/80

Spudded 8 3/4" hole 8/5/80. Drilled to 2452'. Ran 60 jts. 7" 23# surface csg. Set at 2448'. Cmt with 455 sx RFC N2. Cmt with 80 sxs down top plug. Reduce hole to 6 1/4" continue drilling to TD at 6642'. Ran 56 jts 4 1/2" csg. (6556') Set at 6552'. FC at 6519'. Cmt. with 225 sx 10/0 RFC. Rig released 8/21/80. Rigged in hole with 2 3/8" tubing. Tagged TOC at 1295'.

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

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

SIGNED *C. J. Watters* TITLE Asst. Div. Admin. Mgr. DATE September 24, 1980

(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
720 So. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1080' FSL 2235' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
USA U-31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wilson USA

9. WELL NO.
33-15

10. FIELD OR WILDCAT NAME
UND Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33; T16S; R24E

12. COUNTY OR PARISH 13. STATE
Grand Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7058' g1 7089 KB

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 checked="" 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"/>

(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.)*

9/18/80

Perf'd Dakota 5902-20', 5878-86', 5997-60, (2JSPF). Perf'd Morrison 6082-95' 5997-6002' (2 JSPF). Set RBP at 6129' pkr. at 5932'. Acidized perfs 5997-6002', 6082-6095 with 500 gals 7 1/2% MSR & 54 ball sealers. AIR: 4.5 BPM, AIP: 2000 PSI. Set RBP at 5973', pkr. at 5839'. Acidized perfs, 5878-86', 5902-20' with 750 gals 7 1/2% MSR. AIR: 3 BPM, AIP: 1500 PSI, ISIP: 500 PSI.

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

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

SIGNED Charles Nathan TITLE Asst. Div. Admin. Mgr DATE September 24, 1980

(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: 1080; FSL 2235' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA U-31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wilson USA

9. WELL NO.
33-15

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33; T16S; R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7058' gl 7089' KB

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"/>

(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.)*

9/20/80

Frac'd w/60,000 #20/40 sand & 63,000 gals 75% quality foam. AIR: 26 BPM
AITP: 6300 PSI, AICP: 2500 PSI, ISIP: 2000 PSI, 15 min. SIP: 2800 PSI,
15 min. SIP (csg.): 1700 PSI, Final SITP: 850 PSI, SICP: 850 PSI.

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

18. I hereby certify that the foregoing is true and correct Asst. Div.
SIGNED *Carolyn Hutton* TITLE Admin. Manager DATE 10/6/80

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Wellfile

15

Form approved.
Budget Bureau No. 42-R365.5.

OCT 3 1980

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

USA-U31468

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wilson USA

9. WELL NO.

33-15

10. FIELD AND POOL, OR WILDCAT

Und. Palmer

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

Sec. 33 T16S R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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 1080' FSL 2235' FEL

At top prod. interval reported below *SWSE*
At total depth

14. PERMIT NO. *43-019-30520* DATE ISSUED *6-12-79*

15. DATE SPUDDED 8/5/80 16. DATE T.D. REACHED 8/21/80 17. DATE COMPL. (Ready to prod.) 9/26/80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7058 GL 7089' KB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 6642' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0'-TD CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5878-6095' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DI/SFL CD/NL 27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	2448'	8-3/4"	80 sx CL-B	
4 1/2"	10.5#	6552'	6 1/2"	225 sx 10/0 RFC	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"		5932'

31. PERFORATION RECORD (Interval, size and number)

5878-5886	
5902-5920	
5960-5997	(2 JSPF)
5997-6002	
6082-6095	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5878-5920'	750 gals 7 1/2% MSR
5997-6002'	500 gals 7 1/2% MSR
5878-6095'	63,000 gals 75% quality foam 60,000# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
9/26/80	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/26/80	6 hrs	1 1/2" orifice					

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
75 Psi				5295		

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

35. LIST OF ATTACHMENTS
Electric logs forwarded by Schlumberger

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

SIGNED *William J. Hughton* TITLE _____ DATE 10-24-80

*(See Instr. 'ions and Spaces for Additional Data on Rev. Side)



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

October 14, 1981

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

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

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

Re: See Attached Sheet

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.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

Enclosure

Well No. Federal #33-15#
Sec. 33, T. 16S, R. 24E
Grand County, Utah
(September 1980 Thru September 1981)

Well No. State #16-4
Sec. 16, T. 16S, R. 26E
Grand County, Utah
(September 1980 Thru September 1981)

Well No. Long Canyon Unit State #16-4
Sec. 16, T. 19S, R. 23E
Grand County, Utah
(April 1981 Thru September 1981)

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
93760016	FULLER USA #13-10	06	02	<u>3</u>	12/85	<u>0930</u>
93761014	FULLER USA #18-12	06	02	<u>3</u>	12/85	<u>1100</u>
92110010	FEDERAL #3-8 17S. 24E. 3	06	07	<u>7</u>	10/85	<u>0830</u>
92111016	FEDERAL #3-15 17S. 24E. 3	06	07	<u>7</u>	10/85	<u>0930</u>
92112012	FEDERAL #35-10 14S. 24E. 35	05	07	<u>7</u>	10/85	<u>1100</u>
92150011	FEDERAL #4-12 17S. 24E. 4	06	07	<u>8</u>	10/85	<u>0900</u>
92155013	WILSON USA #33-15 14S. 24E. 33	06	07	<u>8</u>	10/85	<u>1030</u>
92190014	BROWN USA #55-3 14S. 24E. 35 ✓	06	07	<u>8</u>	10/85	<u>1130</u>
92117014	FEDERAL #6-7 17S. 25E. 6	06	07	<u>6</u>	11/85	<u>0930</u>
92118010	FEDERAL #6-14 17S. 25E. 4	06	07	<u>6</u>	11/85	<u>0830</u>
92119017	FEDERAL #7-4 17S. 25E. 7	06	07	<u>4</u>	11/85	<u>1030</u>
92158012	DIETLER STATE #2-14 17S. 24E. 2	06	07	<u>7</u>	11/85	<u>0830</u>
92160017	STATE #36-14 14S. 24E. 34	06	07	<u>7</u>	11/85	<u>0930</u>
92160016	EDWARDS USA #12-9 17S. 24E. 12	06	07	<u>4</u>	11/85	<u>0930</u>
92168019	CALVINCO USA #31-12 16S. 25E. 3!	06	07	<u>5</u>	11/85	<u>0830</u>
92190013	REINAUER #1-14 17S. 24E. 1	06	07	<u>5</u>	11/85	<u>0930</u>
92199010	REINAUER #1-5 17S. 24E. 1	06	07	<u>7</u>	11/85	<u>1030</u>
92251011	WINTER CAMP #7-14 17S. 25E. 7	06	07	<u>4</u>	11/85	<u>0830</u>

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

095
TENNECO OIL COMPANY
Utah Wells Sold to Quinoco
Effective March 1, 1984

✓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 TRIPLIATE
(For instructions on
respective side)

031706

PGW

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. LEASE DESIGNATION AND SERIAL NO. USA U31468
2. NAME OF OPERATOR Oimimex Petroleum, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Stanford Place 1, Suite 1060 8055 E. Tufts Ave. Pkwy., Denver, CO 80237		8. FARM OR LEASE NAME Wilson USA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1080' FSL 2235' FEL		9. WELL NO. 33-15
14. PERMIT NO. 43-019-30520		10. FIELD AND POOL, OR WILDCAT Und. Palmer
15. ELEVATIONS (Show whether SP, ST, OR OIA.) 7058' GL 7089' KB		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Sec. 33 T16S R24E
		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"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SMOULING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<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.)	
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

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.)

N0735

Change of Operator from Quinoco Petroleum, Inc., P.O. Box 378111, Denver, CO 80237 to Oimimex 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.

	5. Lease Designation and Serial Number: UTU31468
	6. If Indian, Allottee or Tribe Name:
	7. Unit Agreement Name:
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: <u>NOV 15 1993</u>	8. Well Name and Number: Wilson #33-15
2. Name of Operator: Omimex Petroleum, Inc.	9. API Well Number: 43-01930520
3. Address and Telephone Number: 8055 E. Tufts Ave. Pkway., #1060 - Denver, CO 80237 (303) 771-1661	10. Field and Pool, or Wildcat: Bryson Canyon Field
4. Location of Well Footages: QQ, Sec., T., R., M.: SWSE 33-16S-24E	County: Grand State: Utah

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

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. (corporate office)
 15000 NW Freeway
 Houston, TX 77040

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

13. Name & Signature: 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.

UTU31468

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.

WILSON #33-15

2. Name of Operator

NORTHSTAR GAS COMPANY INC.

9. API Well No.

43-01930520

3. Address and Telephone No.

820 GESSNER SUITE 1630
HOUSTON TX 77024 713-935-9542

10. Field and Pool, or Exploratory Area

BRYSON CANYON

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

SWSE 33-16S-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

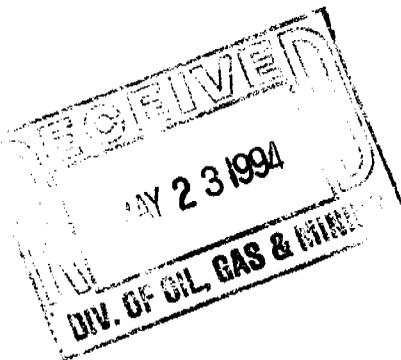
TYPE OF ACTION

- 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 **050490**

(This space for Federal or State office use)

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

Title **Associate District Manager**

Date **MAY 15 1994**

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. Wilson 33-15
SWSE Sec. 33, T. 16 S., R. 24 E.
Grand County, Utah
Lease U-31468

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		5. Lease Designation and Serial Number: UTU31468
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.		6. If Indian, Allottee or Tribe Name:
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		7. Unit Agreement Name:
2. Name of Operator: NORTHSTAR GAS COMPANY, INC.		8. Well Name and Number: WILSON #33-15
3. Address and Telephone Number: 820 GESSNER, SUITE 1630, HOUSTON, TX 77024 713-935-9542		9. API Well Number: 43-01930520
4. Location of Well Footages: SWSE 33-16S-24E CO, Sec., T., R., M.:		10. Field and Pool, or Wildcat: BRYSON CANYON
		County: GRAND State: UTAH

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

NOTICE OF INTENT <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>																										
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Approximate date work will start _____	Date of work completion _____ <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>																										

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

MAY 27 1994
 DIVISION OF OIL & MINING

13. Name & Signature: *Harry 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-DEPS	
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>	Twp	<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>	Twp	<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>	Twp	<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>	Twp	<u>16S</u>	Rng	<u>24E</u>	Lease	Type:	<u>U10152A</u>
Name:	<u>WILSON 33-2/MNGSB</u>	API:	<u>43-019-30703</u>	Entity:	<u>9162</u>	Sec	<u>33</u>	Twp	<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>	Twp	<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>	Twp	<u>16S</u>	Rng	<u>24E</u>	Lease	Type:	<u>U10152</u>

CONT.

OPERATOR CHANGE DOCUMENTATION

- lec 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)*
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Ref. 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: ____.
- lec 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.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-31-94)*
- lec 6. Cardex file has been updated for each well listed above. *6-1-94*
- lec 7. Well file labels have been updated for each well listed above. *6-1-94*
- lec 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)*
- lec 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) 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/Moab Aprv. 5-15-94 eff. 11-1-93.