

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 2175' FNL, 1700' FEL SW 1/4 NE 1/4
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 30 miles Northwest of Mack, Colorado

16. NO. OF ACRES IN LEASE 1,379.64
 17. NO. OF ACRES ASSIGNED TO THIS WELL 342

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2845'
 19. PROPOSED DEPTH 5156' Morrison
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5845' G.L., 5856' K.B.
 22. APPROX. DATE WORK WILL START* September-1, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	K-55 20#	786'	250 sacks
6 1/4"	4 1/2" new	K-55 10.5#	5156'	250 sacks

- Surface formation is the Mesaverde.
 - Anticipated geologic markers are: Frontier - 4136, Dakota - 4526, Morrison - 4686.
 - Gas is anticipated in the Dakota and Morrison. 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 surface casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.
 - No abnormal pressures or temperatures anticipated. No poisonous gas anticipated.
- (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 James G. Routson TITLE Petroleum Engineer DATE May 29, 1979

(This space for Federal or State office use)
 PERMIT NO. 43-019-30516 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
 USA U-38838
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Federal
 9. WELL NO.
 Federal No. 6-7
 10. FIELD AND POOL, OR WILDCAT
 San Arroyo
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 6-T17S-R25E
 12. COUNTY OR PARISH
 Grand
 13. STATE
 Utah

APPLICATION FOR PERMIT TO DRILL (Cont.)

10. Anticipated spud date is September 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 North half of Section 6 containing 342 acres.

TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL #6-7
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 6-T17S-R25E
Grand County, Utah

1. Existing roads

- A. Proposed wellsite: Survey plat enclosed.
- B. Location is approximately 16 miles North of Highway 6 & 50 on the East Canyon Road and San Arroyo Canyon Road.
- 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 blading. Length of access road is approximately 1,600 feet.
 1. Maximum width of 35'.
 2. Maximum grade of 8%.
 3. No turnouts needed.
 4. Natural drainage, road will follow contour of land. Numerous low water crossings will be used as the road traverses the San Arroyo Canyon drainage.
 5. One 4' diameter, 35' long culvert needed. The location is shown on Map #1. No major cut or fill 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.
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. No production facilities within a 1 mile radius.
 3. No oil gathering lines in the area.
 4. No pipelines in the area.
 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.

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.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

5. Location and type of water supply (Con't)

- 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 for handling waste disposal

- 1. Cuttings will be buried 3' under top soil
- 2. Drilling 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 to be placed on top of any remaining fluid and cuttings; then top 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 San Arroyo Canyon. Book Cliffs 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.
- 3. No water or dwellings are on the lease. An archaeologic study will be done by Powers Elevation Company of Eagle, Colorado.

TWELVE POINT PLAN OF DEVELOPMENT (Cont)

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) 858-7377
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: May 29, 1979

J. G. Routson

J. G. Routson
Petroleum Engineer

PALMER OIL & GAS COMPANY

P.O. Box 2564
BILLINGS, MONTANA 59103
(406) 248-3151

May 29, 1979



U. S. Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Gentlemen:

Enclosed please find Applications to Drill covering our
No. 6-7 Federal and 7-4 Federal wells in Grand County, Utah.

Very truly yours,

PALMER OIL & GAS COMPANY

A handwritten signature in cursive script that reads "Jean A. Kampen".

Jean A. Kampen
Drilling Department

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

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b. TYPE OF WELL
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~~Palmer Oil & Gas Company~~ & Energy Increments, Inc.

3. ADDRESS OF OPERATOR
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At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 Approximately 30 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) 1700'

16. NO. OF ACRES IN LEASE 1,379.64

17. NO. OF ACRES ASSIGNED TO THIS WELL 342

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 USA U-38838 **38842**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal No. 6-7

10. FIELD AND POOL, OR WILDCAT
 San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 6-T17S-R25E

12. COUNTY OR PARISH Grand

13. STATE Utah

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24. SIGNED James G. Routson TITLE Petroleum Engineer DATE May 29, 1979
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 (Orig. Sgd.) R. A. Henricks ACTING DISTRICT ENGINEER DATE AUG 30 1979
 CONDITIONS OF APPROVAL, IF ANY:

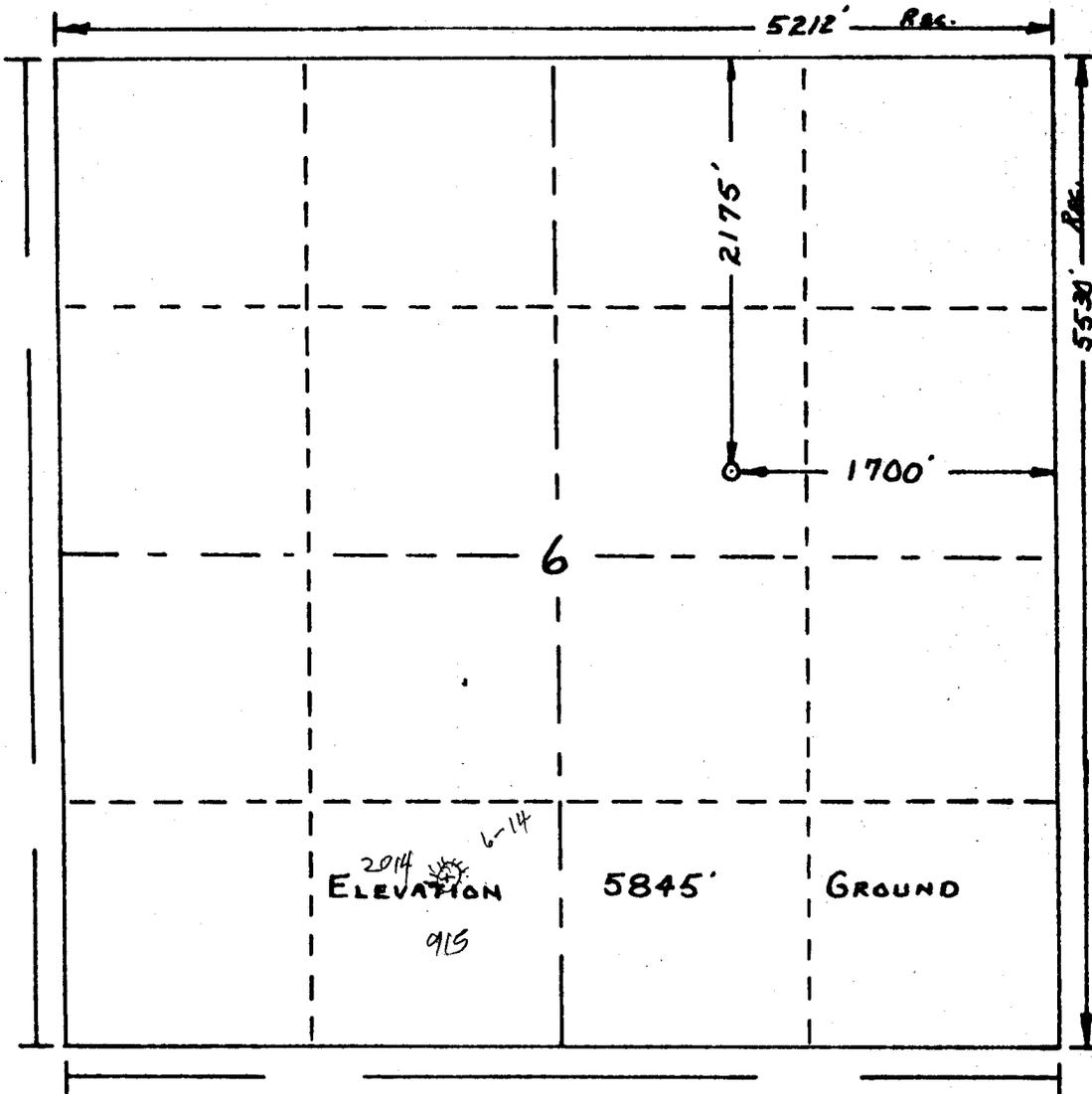
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

[NOTICE OF APPROVAL
 21st State Oil + gas

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)



PLAT NO. 1
R. 25 E.



T.
17
S.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from BOB BALLANTYNE
 for PALMER OIL AND GAS COMPANY
 determined the location of #6-7 FEDERAL
 to be 2175' FN & 1700' FE Section 6 Township 17S.
 Range 25 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

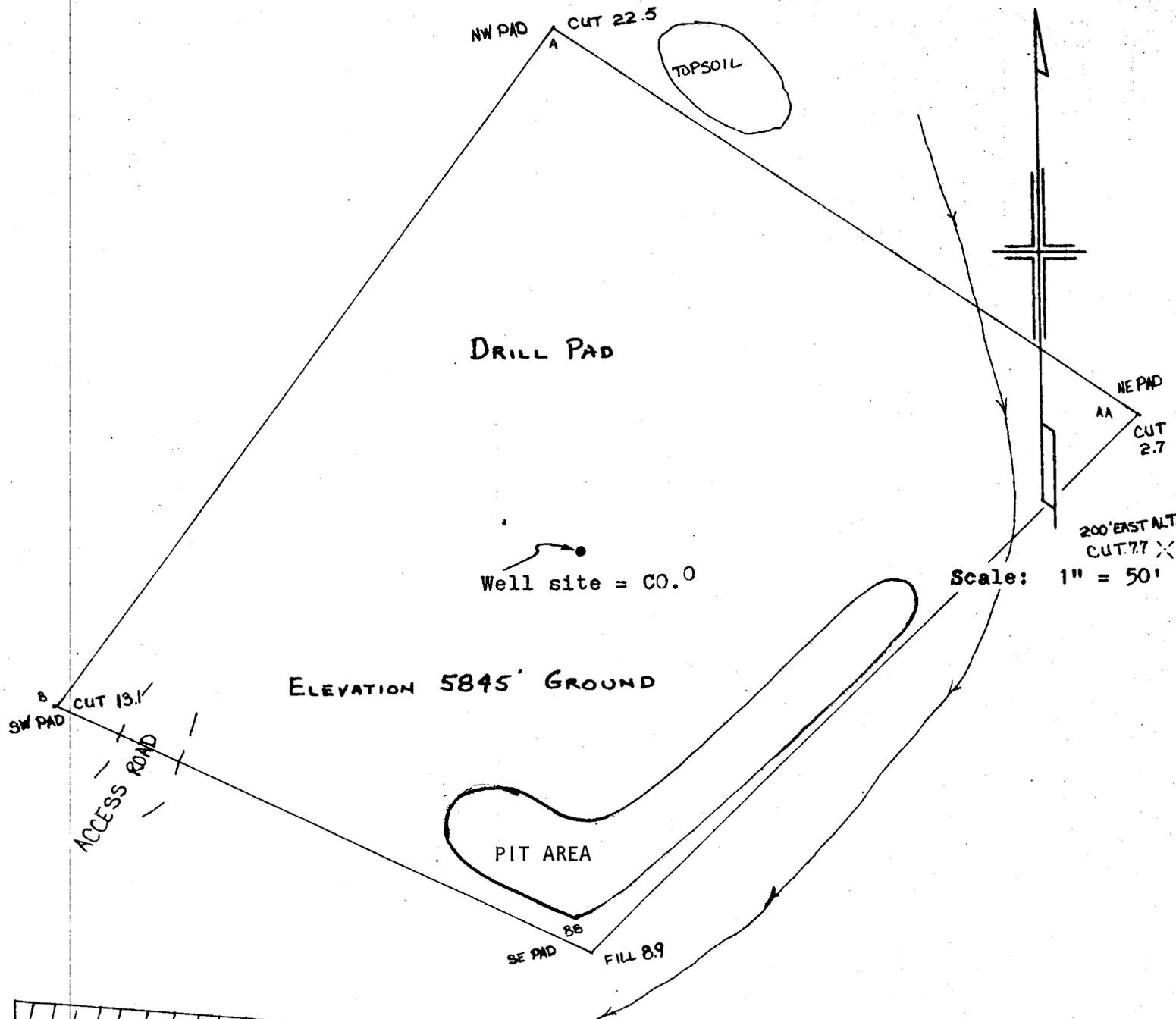
#6-7 FEDERAL

Date: 5-22-79

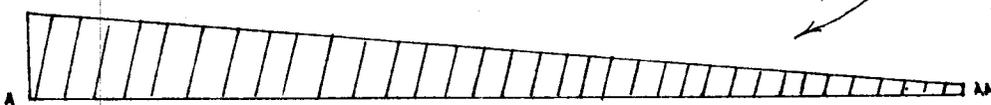
J. Nelson
 Licensed Land Surveyor No. 2711
 State of UTAH

PALMER OIL & GAS CO.
6-7 FEDERAL
2175' FN & 1700' FE SEC. 6 T17S R25E
GRAND CO., UTAH

200' NORTH ALT
C18.0



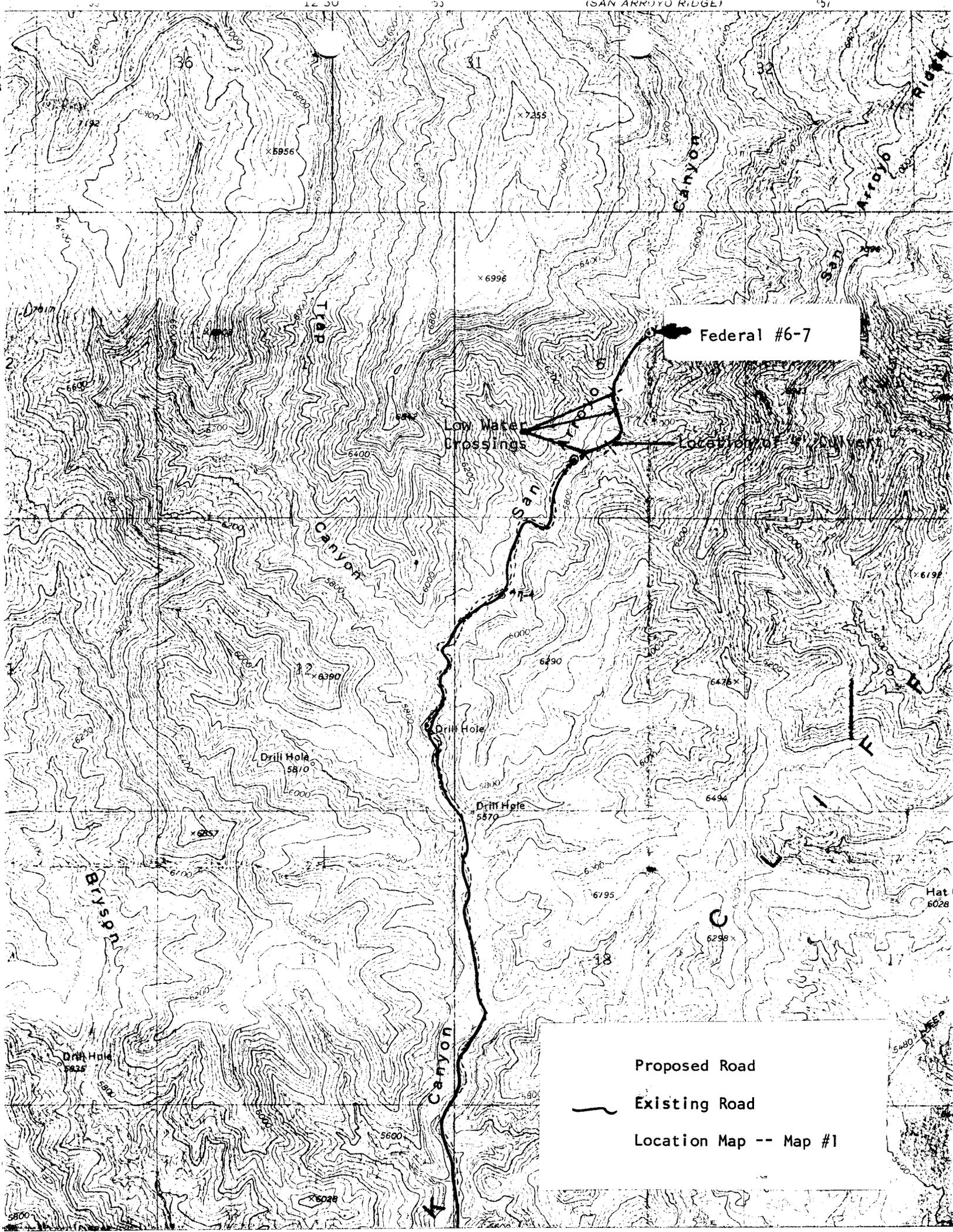
Scale: 1" = 50'



CROSS SECTIONS

by: Richard A. Schultz
Powers Elevation Company, Inc.

5-22-79



Federal #6-7

Low Water Crossings

Location of ...

Proposed Road

Existing Road

Location Map -- Map #1



Hat 6028

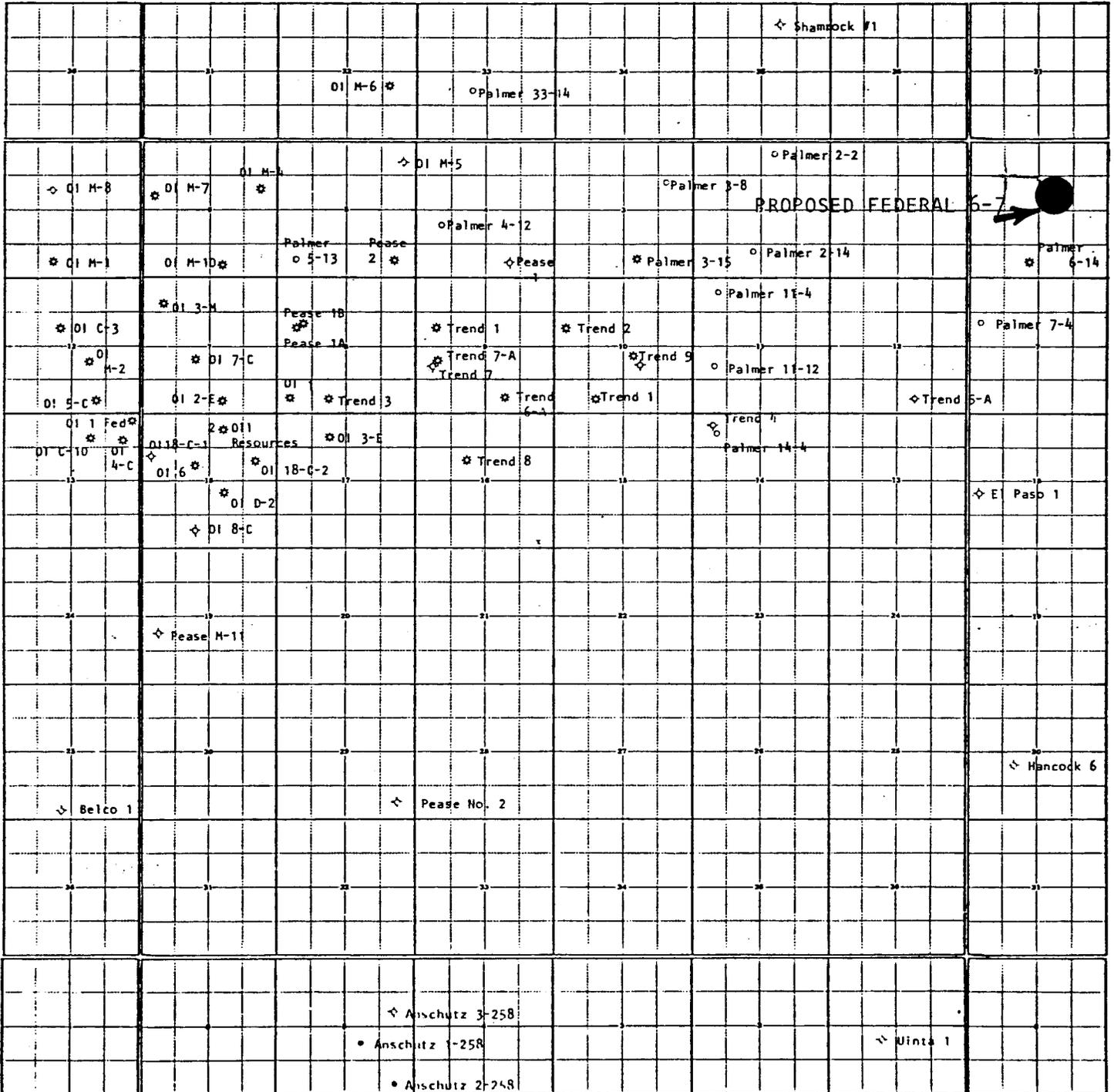
5480

5400

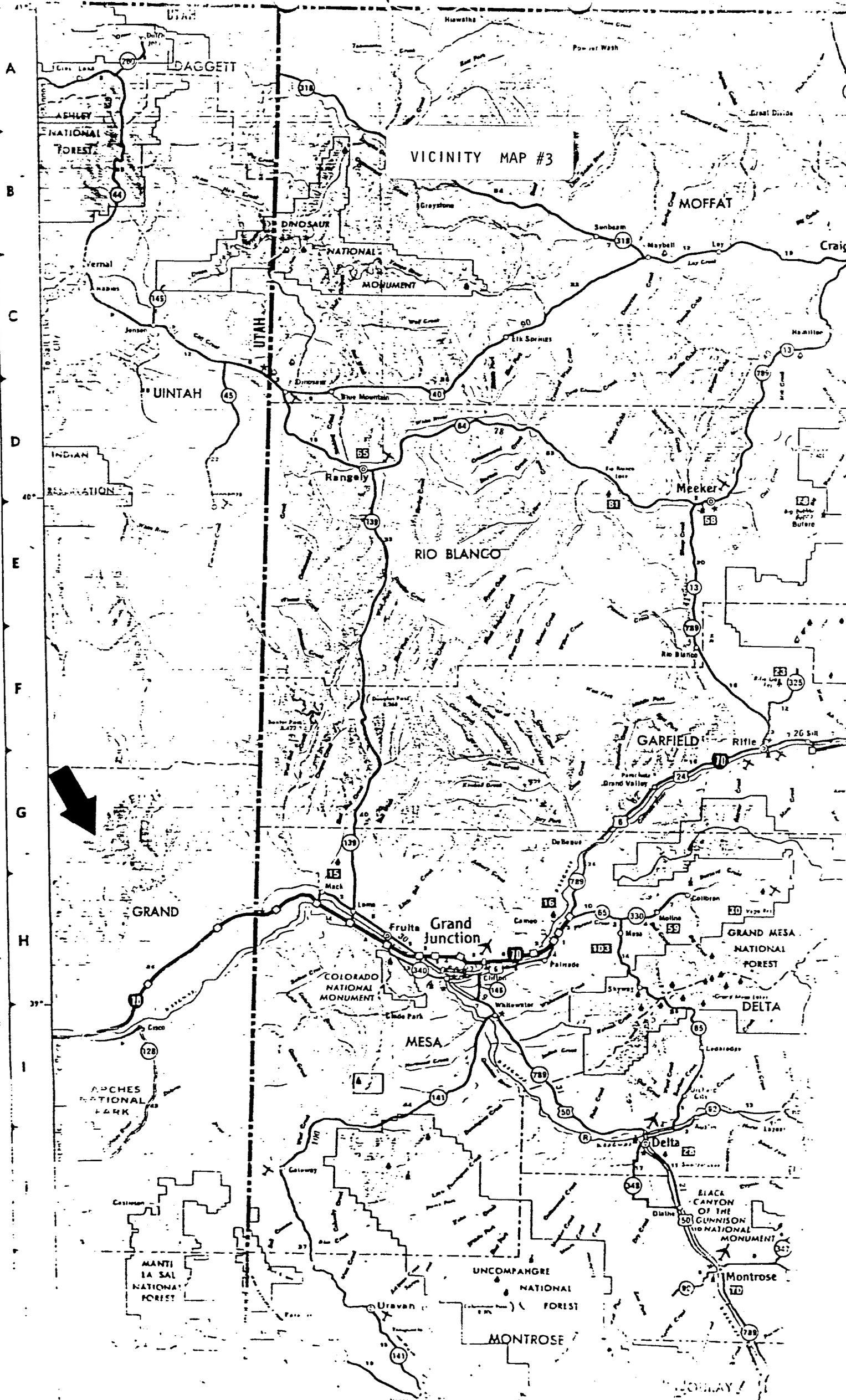
5300

WELL MAP NO. 2

Note: 01 = 011 Inc. Township 17 South Range 24 East County Grand State Utah



VICINITY MAP #3



Proposed Action:

On May 31, 1979, Palmer Oil & Gas Co. filed an Application for Permit to Drill the No. 6-7 development well, a 5156' gas test of the Dakota and Morrison Formations; located at an elevation of 5845' in the SW/4 NE/4, Sec. 6, T17S, R25E, on Federal mineral lands and Public surface; lease No. U-38842. There was no objection raised to the wellsite nor to the access road. The drill pad was rotated 180° and the blooie pit was moved past the north reference marker to better fit topography.

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 250' long and a reserve pit 150' x 25'. A new access road would be constructed 18' wide x 0.3 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 August 1979 and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 30 miles NW of Mack, Colorado, the nearest town. A fair road runs to within 1600' of the location. This well is in the San Arroyo Field.

Topography:

The proposed location is in a narrow valley bottom incised by a non-perennial drainage. There are several cliffs formed of sandstone and conglomerates. The location is confined by topography.

Geology:

The surface geology is Mesa Verde. The soil is sands and gravels derived from weathered Mesa Verde. No geologic hazards are known near the drill site. 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 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 by misting blooie line or by other acceptable methods.

Precipitation:

Annual rainfall should range from about 10 to 12" 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.

Winds are medium and gusty, occurring predominantly from west to east but varying with topography. 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 into San Arroyo 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 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:

Rotate pad 180⁰ to better fit topography and avoid pits in drainage. 
Move blooie pit beyond north reference stake.

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 the San Arroyo Canyon drainage 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:

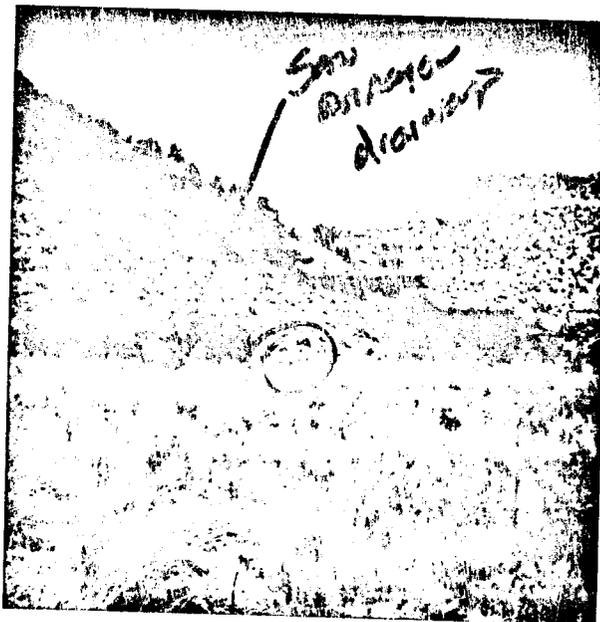
This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

8/8/79

E. W. [Signature]

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



Looking South

6-7

WELL CONTROL PLAN

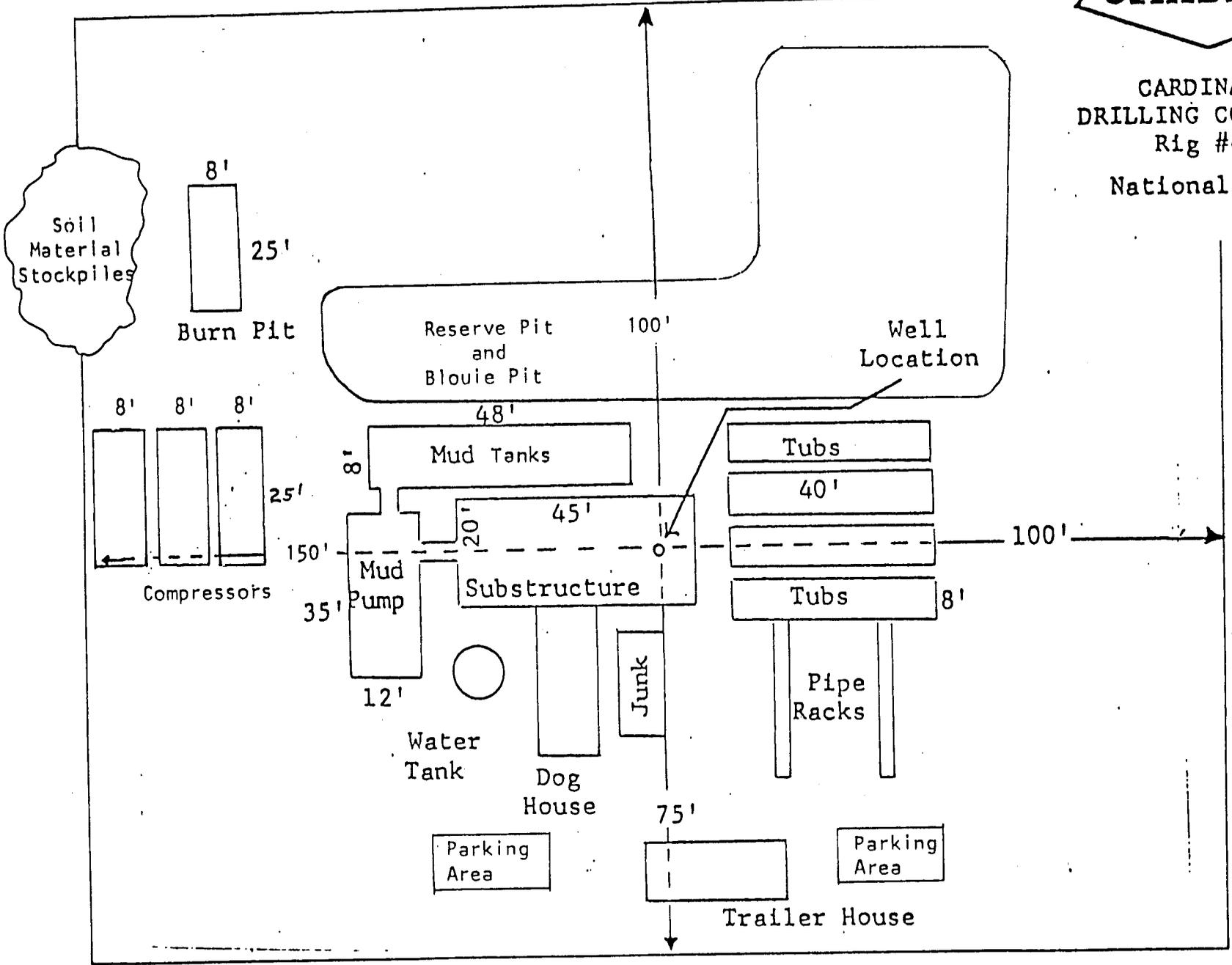
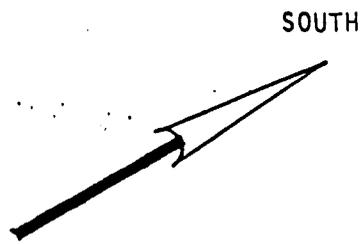
1. Surface Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C, set at 786' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 7" swagged to 9-5/8" x 10-3/4" top 1500 psig W.P. Larkin (or equivalent) casinghead with two 2" 1500 psi L.P. outlets.
3. Intermediate Casing: None required.
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) Kelly cock will be run at top of Kelly at all times, (b) Float at bit will be run at all times, (c) No monitoring equipment for mud due to air drilling. Visual monitoring of air returns will be maintained, (d) Stabbing valve will be on rig floor at all times.
6. Anticipated bottom hole pressure is less than 1200 psi at 5000' or a gradient of .24 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY

James D. Rowson



CARDINAL
 DRILLING COMPANY
 Rig #4
 National T-32

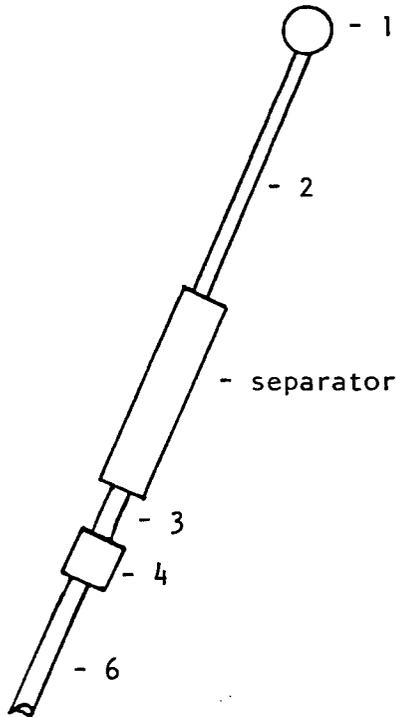


PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

PLAT #3

NORTH



Federal No. 6-7
Wellhead

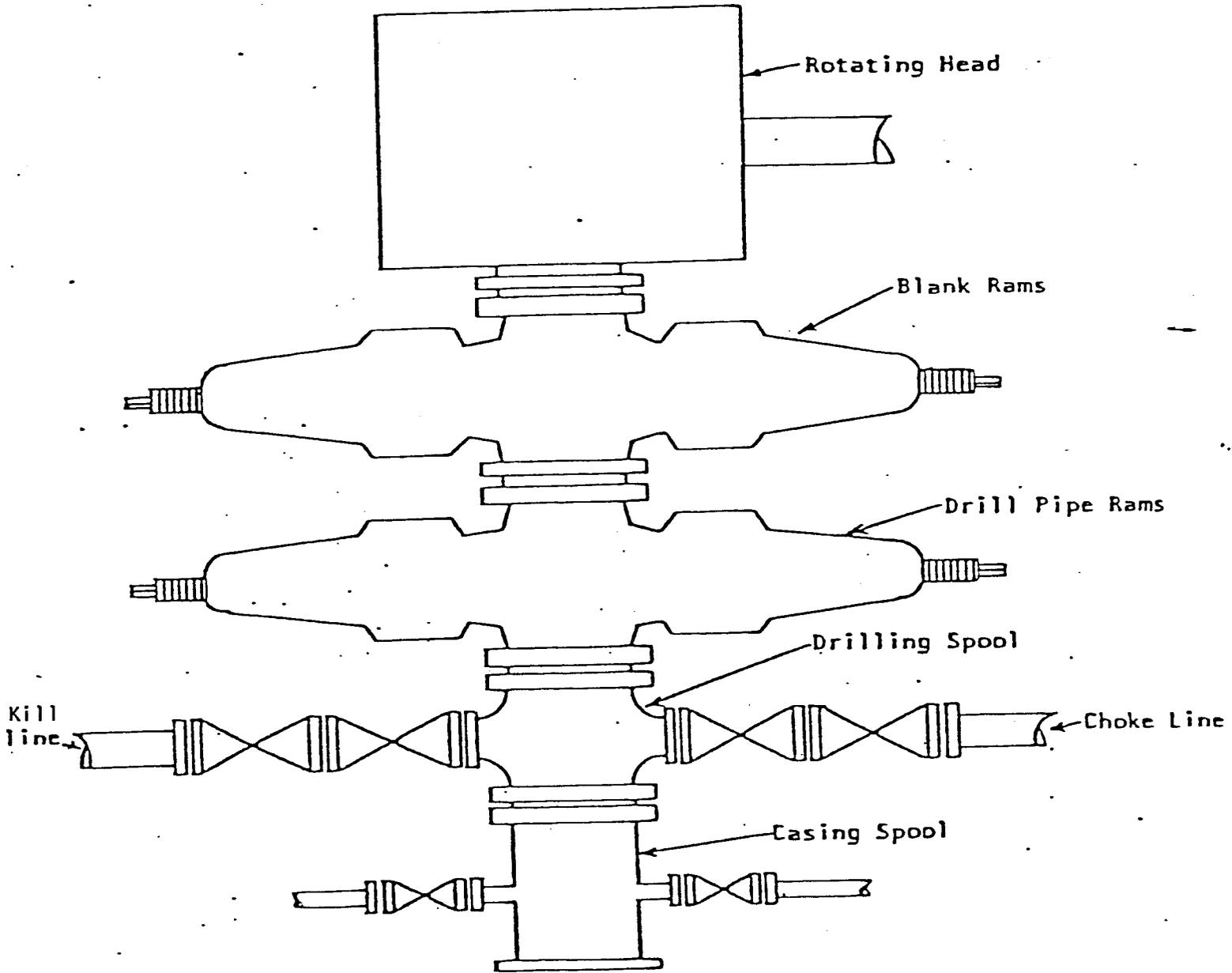
1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet P0&GC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet 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 786 to TD

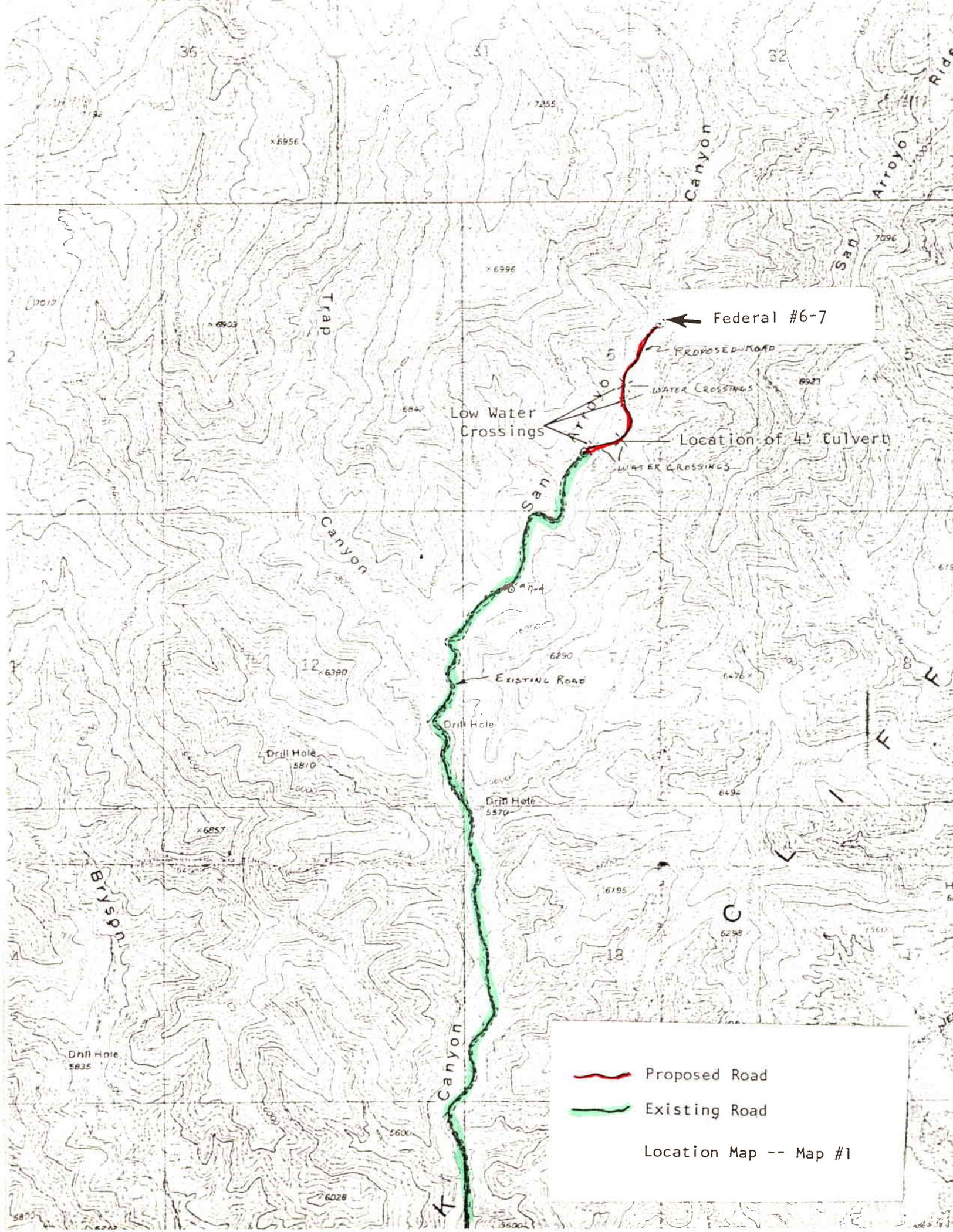


WELL CONTROL PLAN

1. Surface Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C, set at 786' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 7" swagged to 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: None required.
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) Kelly cock will be run at top of Kelly at all times, (b) Float at bit will be run at all times, (c) No monitoring equipment for mud due to air drilling. Visual monitoring of air returns will be maintained, (d) Stabbing valve will be on rig floor at all times.
6. Anticipated bottom hole pressure is less than 1200 psi at 5000' or a gradient of .24 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY

James D. Rowson



Federal #6-7

PROPOSED ROAD

WATER CROSSINGS

Low Water Crossings

Location of 4' Culvert

WATER CROSSINGS

EXISTING ROAD

Drill Hole

Drill Hole 5810

Drill Hole 5570

Drill Hole 5825

- Proposed Road
- Existing Road

Location Map -- Map #1

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: May 31, 1979

Operator: ~~Palmer Oil & Gas Co.~~ (Energy Increments, Inc.)

Well No: Federal 6-7

Location: Sec. 6 T. 17S R. 25E County: Grand

File Prepared: Entered on N.I.D.:

Card Indexed: Completion Sheet:

API Number: 43-019-30516

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.S. Minder 6-4-79

Remarks:

Director: [Signature]

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

3 x



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

June 5, 1979

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

PALMER OIL & GAS COMPANY ENERGY INCREMENTS INC
P O BOX 2564
BILLINGS MT 59103

Re: Well No. Federal 7-4, Sec. 7, T. 17S, R. 25E, Grand County, UT
Well No. Federal 6-7, Sec. 6, T. 17S, R. 25E, Grand County, UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 165-4 dated May 23, 1979.

In as much as Cause No. 165-4 established 320-acre spacing in either a north/south or east/west direction, wells should be located on a diagonal ($NE\frac{1}{4}$ - $SW\frac{1}{4}$ or $NW\frac{1}{4}$ - $SE\frac{1}{4}$).

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

MICHAEL T. MINDER - Geological Engineer
HOME: 876-3001
OFFICE: 533-5771

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 numbers assigned to the above wells are:

Federal 7-4: 43-019-30517
Federal 6-7: 43-019-30516

DIVISION OF OIL, GAS, AND MINING

ORIGINAL SIGNED BY C. B. FEIGHT

Cleon B. Feight, Director

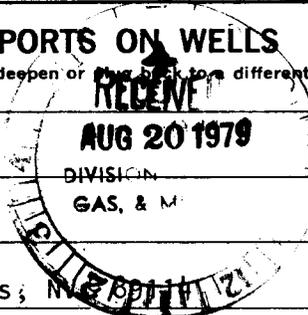
/lw

cc: U. S. Geological Survey

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
Energy Increments, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 15015, Las Vegas, NV 89115

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1375' FNL, 800' 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) <u>Change of operator</u>	

30516

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 Palmer Oil & Gas Company - Energy Increments, Inc. to Energy Increments, Inc.

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 August 10, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE USA U-38842
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. Federal No. 67
10. FIELD OR WILDCAT NAME San Arroyo
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA 6-T17S-R25E SWNE 1/4
12. COUNTY OR PARISH Grand
13. STATE Utah
14. API NO. 43-019-30516
15. ELEVATIONS (SHOW DF, KB AND WD) 5845' GL, 5856' KB

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Palmer Oil Company

WELL NAME: Federal 6-7

SECTION 6 SW NE TOWNSHIP 17S RANGE 25E COUNTY Grand

DRILLING CONTRACTOR Cardinal Drilling

RIG # 4

SPUDDED: DATE Sept 18, 1979

TIME 12:00 p.m.

HOW rotary

DRILLING WILL COMMENCE presently

REPORTED BY Grace

TELEPHONE # 406-248-3151

DATE September 19, 1979

SIGNED M. J. Minder

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
Energy Increments, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 15015, Las Vegas, Nevada 89114

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1375' FNL, 800' 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) <u>Status Report</u>	

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

Well spudded at 12:00 Noon on 9/18/79. Drilled 11" hole to 50' and set 1 joint 9-5/8" conductor pipe. Ran 26 joints 7" casing to 812' KB and cemented with 250 sx, 2% cc, 1/4#/sx Floseal/bbl.

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

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

SIGNED Grace E Brown TITLE _____ DATE 9/27/79

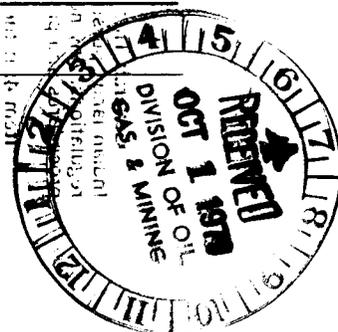
Grace E Brown

(This space for Federal or State office use)

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

5. LEASE USA U-38842	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal	
9. WELL NO. No. 6-7	
10. FIELD OR WILDCAT NAME San Arroyo	
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA SW 1/4 NE 1/4 Sec. 6-17 S-25	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO. 43-019-30516	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5845' GL, 5856' KB	

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



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
Energy Increments, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 15015, Las Vegas, Nevada 89114

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1375' FNL, 800' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
USA U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
6-7

10. FIELD OR WILDCAT NAME
San Arroyo

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
SW 1/4 Sec 6-17S-25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30516

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

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) Status Report

(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.)*

Ran 15 joints 4 1/2" 10.5# production casing to 5114' KB Cemented with 225 sacks regular. Plug down at 5:15 PM on 9/28/79.



Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Grace E. Brown TITLE _____ DATE October 3, 1979

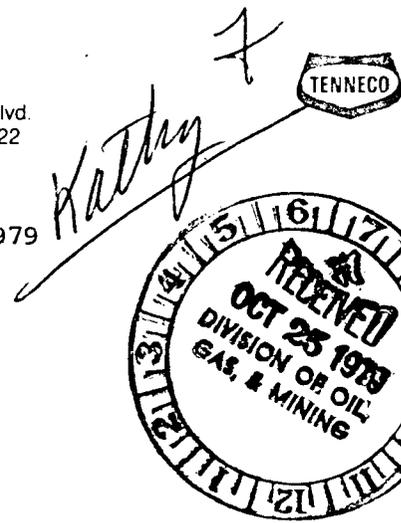
(This space for Federal or State office use)

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

Tenneco Oil
A Tenneco Company

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

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

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 S. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2175'FNL & 1700'FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA-U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
6-7

10. FIELD OR WILDCAT NAME
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T17S, R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5845'GL, 5856'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 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) <u>Status-Completing</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.)

10/25/79

MIRUCU. Prepared to frac. Perfd. Morrison a 4865'-4875' and 4820'-4830' w/2JSPF (40 shots). Set packer at 5056'. Acidized w/400 gals of 15% MSR acid w/60 ball sealers. Frac'd w/15,000# 100 mesh and 60,000# of 20/20 sand in 63,500 gals foam. Tested well for 24 hrs: 6737 MCFD w/SICP: 1050, FTP:100. Landed 2 3/8" tubing @ 4787. Installed tree. RDCU. on 10/30. w/o pipeline hook-up.

Subsurface Safety Valve: None and Type None

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

SIGNED Wally M. ... Admin. Supervisor DATE 11/20/79



APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

7

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. USA-U-38842																									
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																									
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME																									
3. ADDRESS OF OPERATOR 720 S. Colorado Blvd., Denver, CO 80222		8. FARM OR LEASE NAME Federal																									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2175' FNL & 1700' FEL At top prod. interval reported below At total depth		9. WELL NO. 6-7																									
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT San Arroyo																									
15. DATE SPUDDED 9/18/79		11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 6, T17S, R25E																									
16. DATE T.D. REACHED 9/28/79		12. COUNTY OR PARISH Grand																									
17. DATE COMPL. (Ready to prod.) 10/29/79		13. STATE Utah																									
18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 5845' GL, 5856' KB		19. ELEV. CASINGHEAD																									
20. TOTAL DEPTH, MD & TVD 5114'		21. PLUG, BACK T.D., MD & TVD 5082'																									
22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____																									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4820'-4830, 4865'-4875' (Morrison Formation)		25. WAS DIRECTIONAL SURVEY MADE Yes																									
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC, CNL, GR		27. WAS WELL CORED No																									
28. CASING RECORD (Report all strings set in well)																											
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DATE FIRST PRODUCTION 10/29/79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing																									
DATE OF TEST 10/21/79		WELL STATUS (Producing or shut-in) w.o. pipeline Shut-In - connection																									
HOURS TESTED 24	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO Q=6737																								
FLOW. TUBING PRESS. 100#	CASING PRESSURE 1050#	CALCULATED 24-HOUR RATE →	OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)																								
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) will be sold pending hook-up		TEST WITNESSED BY																									
35. LIST OF ATTACHMENTS two copies of 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 <u>Carley Statton</u>		TITLE Admin. Supervisor																									
		DATE 12/21/79																									

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

112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

INSTRUCTIONS

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

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

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

Item 13: 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.)

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-OFFEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
	MEAS. DEPTH	TRUE VERT. DEPTH				MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	4550		4563	Prob. Gas	Castlegate Dakota Salt	932	
	4582		4592	Prob. Gas		4464	
Morrison	4630		4730	Pos. Gas	Dakota Morrison	4550	
	4808		4834	Gas Prod.		4732	
	4854		4878	Gas Prod.			

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0600 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 #15-16	06	02	<u>3</u>	12/85	<u>0900</u>
93761014	FULLER USA #15-12	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 16S. 24E. 33	06	07	<u>8</u>	10/85	<u>1030</u>
92190014	BROWN USA #35-3 16S. 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>
92150012	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>
92186016	EDWARDS USA #12-9 17S. 24E. 12	06	07	<u>4</u>	11/85	<u>0930</u>
92180019	CALVINCO USA #31-12 16S. 25E. 31	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>
92231011	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

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

095
X T. 17S R 24E Sec 4 Federal 4-12
X T17S R 24E Sec. 14 Hogle USA 14-4
X T17S R24E Sec 3 Federal 3-8
X T17S R24E Sec 3 Federal 3-15
X T16S R24E Sec 35 Federal 35-10
X T17S R24E Sec 2 Dietler State 2-14
X T17S R24E Sec 2 Dietler State 2-7
X T16S R25E Sec 31 Calvinco USA 31-12
X T17S R24E Sec 1 Reinauer 1-5
X T17S R24E Sec 1 Reinauer 1-14
X T16S R24E Sec 36 Tenneco State 36-14
X T16S R24E Sec 36 Tenneco State 36-16
X T16S R 24E Sec 35 Brown USA 35-3
X T17S R24E Sec 12 Edward 12-2
X T17S R25E Sec 7 Winter Camp Unit 7-14
X T17S R24E Sec 11 Hogle 11-12
X T17S R25E Sec 6 Federal 6-7
X T17S R25E Sec 7 Federal 7-4
X T16S R25E Sec 17 Federal 17-9
X T16S R25E Sec 14 Federal 14-2
X T16S R26E Sec 16 State 16-4
X T16S R25E Sec 13 Carlson USA 13-4
X T17S R24E Sec 5 Federal 5-13
X T16S R24E Sec 33 Wilson USA 33-15
X T17S R25E Sec 6 Federal 6-14
X T16S R25E Sec 13 Federal 13-9
X T16S R26E Sec 33 Federal 33-13
T17S R26E Sec 5 Federal 5-4
X T16S R26E Sec 32 State 32-1
X T16S R26E Sec 32 State 32-11
X T17S R24E Sec 12 Tenneco USA 12-9

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

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

7

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

RECEIVED
SEP 28 1988

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

2. NAME OF OPERATOR
Quinoco Petroleum, Inc.
 3. ADDRESS OF OPERATOR
P.O. Box 378111, Denver, Colorado
 DIVISION OF OIL & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 2175' FNL & 1700' FEL
 At top prod. interval reported below as above
 At total depth as above

14. PERMIT NO. 43-019-30516 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
USA-U-38842
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
Federal
 9. WELL NO.
6-7
 10. FIELD AND POOL, OR WILDCAT
San Arroyo
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 6, T17S, R25E
 12. COUNTY OR PARISH
Grand
 13. STATE
UT

15. DATE SPUNDED 9/18/79 16. DATE T.D. REACHED 9/28/79 17. DATE COMPL. (Ready to prod.) 10/29/79 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5845' FL, 5856' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5114' 21. PLUG, BACK T.D., MD & TVD 4770' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4651' - 4678' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC, CNL, GR with original completion 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
9-5/8"		50'	11"		
7"	K-55 20#	802'	8-3/4"	250 SXS	
4-1/2"	K-55 10.5#	5104'	6-1/4"	225 SXS	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4659'	

31. PERFORATION RECORD (Interval, size and number)

4651-53'	3 shots, 0.38"
4656-60'	5 shots, 0.38"
4662-65'	4 shots, 0.38"
4670-78'	9 shots, 0.38"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9/12/88	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/14/88	24			0	275	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
345#	465#		0	275	0		

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

35. LIST OF ATTACHMENTS
 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED Nelly Richardson TITLE Production Technician DATE 9/15/88

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

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

DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME

MEAS. DEPTH

TOP
TRUE
VERT. DEPTH

Dakota

4550'
4582'
4630'

4563'
4592'
4770'

Gas Prod.

Castlegate
Dakota Silt
Dakota

932'
4464'
4550'

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
XXXXXXXXXX	
-TAS	
MICROFILM	
FILE	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See or In-
st. or In-
re. or In-
side)

Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

USA-U-38842

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Federal

WELL NO.

6-7

FIELD AND POOL, OR WILDCAT

San Arroyo

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

Sec. 6, T17S, R25E

COUNTY OR PARISH

Grand

STATE

UT

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
Quinoco Petroleum, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 378111, Denver, Colorado 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2175' FNL & 1700' FEL
At top prod. interval reported below as above
At total depth as above

14. PERMIT NO. DATE ISSUED

43-019-30516

15. DATE SPUDDED 9/18/79 16. DATE T.D. REACHED 9/28/79 17. DATE COMPL. (Ready to prod.) 10/29/79 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5845' FL, 5856' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5114' 21. PLUG, BACK S.D., MD & TVD 4770' 22. IF MULTIPLE COMPLET. HOW MANY* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4651' - 4678' Dakota, 4709' - 4713' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC, CNL, GR with original completion 27. WAS WELL CORED No

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

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4662-65', 4 shots, 0.38"
4670-78', 9 shots, 0.38"
4709-13', 1 SPF, 0.38"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9/12/88	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/14/88	24		→	0	275	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
345#	465#	→	0	275	0		

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Nancy Richardson TITLE Production Technician DATE 9/15/88

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

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.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	4550' 4582' 4630'	4563' 4592' 4770'	Gas Prod.	Castlegate Dakota Silt Dakota	932' 4464' 4550'	

RECEIVED

DEC 21 1988

DIVISION OF
OIL, GAS & MINING

DEPARTMENT OF THE INTERIOR
BUREAU LAND MANAGEMENT

(Other instructions on reverse side)

Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO

USA-U-38842

INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Quinoco Petroleum, Inc.	8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR P.O. Box 378111 Denver, CO 80237	9. WELL NO. 6-7
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2175' FNL & 1700' FEL	10. FIELD AND POOL, OR WILDCAT San Arroyo
14. PERMIT NO. 43-019-30516	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6-T17S-R25E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5845' GL	12. COUNTY OR PARISH Grand
	13. STATE UT

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FILL 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 COMPLETION <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

- MIRU Wireline & TIH w/tbg gun.
- Perf'd additional Dakota @ 4,709-13' w/1 SPF, 0.38" diameter holes.
- TOOH w/tbg gun and RD wireline, placed on production.

RECEIVED
DEC 21 1988
DIVISION OF
OIL, GAS & MINING

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

SIGNED Nelly Richardson TITLE Production Technician DATE 12/5/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Hallwood Petroleum, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 378111 Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
SW NE 2175' FNL & 1700' FEL

14. PERMIT NO.
43-019-30516

15. ELEVATIONS (Show whether OF, TO, OR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.
06540

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
6-7

10. FIELD AND POOL, OR WILDCAT
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6-T17S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

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

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.)

Effective 8-1-90 Quinoco Petroleum, Inc. operator #N9477 has changed it's name to Hallwood Petroleum, Inc.

RECEIVED
FEB 22 1991

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

SIGNED [Signature] TITLE Sr. Engineering Tech. DATE 12-1-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Hallwood Energy Companies

4582 South Ulster Street Parkway • Stanford Place III • Suite 1700 • Post Office Box 378111
Denver, Colorado 80237 • (303) 850-7373

March 8, 1991

State of Utah
Division of Gas & Mining
160 East Third Street
Salt Lake City, Utah 84134-0410

REC'D U.S.T.C. 210
MAR - 8 1991

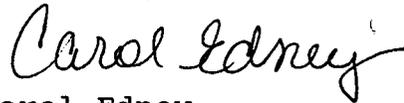
Re: Utah A/C #N9477

Quinoco Petroleum, Inc. has changed its name to Hallwood Petroleum, Inc. Our offices have remained at 4582 South Ulster Street Parkway, Suite 1700, P. O. Box 378111, Denver, Colorado 80237.

I have enclosed documentation for our name change for your convenience. If you require further information please call me at (303)856-6229.

Sincerely,

HALLWOOD PETROLEUM, INC.



Carol Edney
Staff Accountant
Western District

CE/#9.set

cc: Brenda Tompkins

RECEIVED

MAR 22 1991

DIVISION OF
OIL GAS & MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• QUINOCO CO.
P O BOX 378111
DENVER CO 80237
ATTN: HOLLY RICHARDSON

Utah Account No. N9477

Report Period (Month/Year) 7 / 91

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume	Gas (MSCF)	Water (BBL)
API Number	Entity	Location	Oil (BBL)		
ESTBIT U 1	WSTC ✓		U-05010	*	
301915047 05215 16S 25E 10					
ESTBIT 2	WSTC ✓		U-05010		
301915048 05220 16S 25E 9					
FEDERAL 6-14	DKTA ✓		U-38842		
301930462 06525 17S 25E 6					
MOGLE USA 14-4	DK-MR ✓		SL-071172		
301930507 06535 17S 24E 14					
FEDERAL 6-7	DKTA ✓		U-38842		
301930516 06540 17S 25E 6					
STATE 2-14	CDMTN ✓		ML-27489		
301930571 06560 17S 24E 2					
STATE 2-7	DKTA ✓		ML-37489	*	
301930604 06565 17S 24E 2					
STATE 36-14	DKTA ✓		ML-33908	*	
301930605 06570 16S 24E 36					
REINAUER 1-5	DKTA ✓		U-38838A	*	
301930697 06575 17S 24E 1					
MOGLE 11-12L 1	DKTA ✓		SL-071172	*	
301930701 06580 17S 24E 11					
EDWARDS USA 12-2	DKTA ✓		U-38030		
301930702 06585 17S 24E 12					
CALVINGO 31-12	DKTA ✓		U-13031	(910904 still Quinoco CR92 "C.A.")	
301930704 06595 16S 25E 31					
REINAUER 1-14	DKTA ✓		U-38838A	*	
301930733 06600 17S 24E 1					
TOTAL					

Comments (attach separate sheet if necessary) ** Operator name from Quinoco to Hallwood Petroleum, Inc. eff. 7-18-91. (910904 st. lands / Becky awaiting additional documentation.)*

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

** see oper. chg.
Hallwood to Northstar
eff 8-1-91.*



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
324 South State, Suite 301
Salt Lake City, Utah 84111-2303



IN REPLY REFER TO:

3100

U-38842

U-38838-A

U-38030

U-38033

U-05010

SL-071172

(U-942)

U-41374 (CR176)

AUG 6 1991

Memorandum

To: Assistant District Manager, Mineral Resources, Moab

From: Chief, Minerals Adjudication Section

Subject: Leases Affected by Corporate Name Change

Your memorandum of July 25, 1991, called to the attention of this office other leases you feel are affected by our ~~July 18, 1991~~ decision recognizing the corporate name change of Quinoco Petroleum, Inc. to Hallwood Petroleum, Inc. Our response is as follows:

The interest Quinoco Petroleum, Inc. held in leases SL-071172, U-05010, and U-38838-A was transferred to Roemer Oil Company effective December 1, 1990.

The interest held by Quinoco in leases U-38030, U-38033, and U-38842 is held by Quinoco Consolidated Partners, L.P., not Quinoco Petroleum, Inc. Please note that a decision recognizing that Quinoco Consolidated Partners, L.P. has changed its name to Hallwood Consolidated Partners, L.P. is currently being processed.

As for communitization agreements CR222 and CR176, our computer records show Omimex as the operator of CR222 and Hallwood as the operator of CR176.

Bureau of Land Management
Utah State Office
P. O. Box 45155
Salt Lake City, Utah 84145-0153

3100
U-10152-A,
et al.
(U-942)

AUG 6 1991

CERTIFIED MAIL--Return Receipt Requested

DECISION

Hallwood Consolidated Partners, L.P. : Oil and Gas Leases
P.O. Box 378111 : U-10152-A, et al.
Denver, CO 80237 :

Corporate Name Change Recognized

Acceptable evidence has been received by this office establishing that Quinoco Consolidated Partners, L.P. has changed its name to Hallwood Consolidated Partners, L.P. Accordingly, the surviving corporation is recognized as holding all interests in Federal oil and gas leases formerly held by Quinoco Consolidated Partners, L.P. A list of affected leases is enclosed. If other leases are affected by this name change, please notify this office immediately.

Bonding for Hallwood Consolidated Partners, L.P. is provided under nationwide bond No. B1729366 (BLM Bond No. MT0735).

/s/ ROBERT LOPEZ
Chief, Minerals
Adjudication Section

Enclosure
List of Affected Leases

cc: All District Offices, Utah
Accounts
MMS, AFS
U-920 (Attn: Teresa Thompson)

WJH

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Hallwood Petroleum, Inc.</p> <p>3. ADDRESS OF OPERATOR P.O. Box 378111 Denver, CO 80237</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO.</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA</p> <p>12. COUNTY OR PARISH 13. STATE</p>	
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.)</p>	

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

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

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

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.)*

Effective 8/1/90 Quinoco Petroleum, Inc. operator #N9477 changed it's name to Hallwood Petroleum, Inc. The wells effected by this change are:

Well Name	Federal Lease #	Utah #
- Dietler State 2-14 42-019-30571	N/A - Sec. 2, T17S, R24E	06560
- Edwards 12-2 42-019-30702	UTU38030 Sec. 2, T17S, R. 24E	06585
- Federal 6-7 42-019-30516	UTU38842 Sec. 6, T. 17S, R 25E	06540
- Federal 6-14 42-019-30462	UTU38842 Sec. 6, T17S, R25E	06525
- Federal 7-4 42-019-30517	UTU38033 Sec. 7, T. 17S, R 25E	06550
- Hogle USA 14-4 42-019-30507	UTSLO71172 Sec. 14, T. 17S, R 24E	06535
- State 16-4 42-019-30433	N/A Sec. 16, T. 16S, R 26E	06620
- Tenneco USA 12-9 42-019-30748	U41374 Sec. 12, T17S, 24E	06605
- Wesbit 2 42-019-15048	UTU17942 Sec. 9, T16S, R 25E	05220
- Wintercamp 7-14 42-019-30773	UTU38033 Sec. 7, T. 17S, R 25E	06610

RECEIVED

AUG 19 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED Debi Sheely TITLE Sr. Engineering Technician DATE 8/16/91
Debi Sheely

(This space for Federal or State office use)

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

Routing:

1- LCR	<input checked="" type="checkbox"/>
2- DTS	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LCB	<input checked="" type="checkbox"/>

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 "MERGER"

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-18-91)

TO (new operator) <u>HALLWOOD PETROLEUM, INC.</u>	FROM (former operator) <u>QUINOCO CO.</u>
(address) <u>P. O. BOX 378111</u>	(address) <u>P. O. BOX 378111</u>
<u>DENVER, CO 80237</u>	<u>DENVER, CO 80237</u>
<u>DEBI SHEELY</u>	<u>DEBI SHEELY</u>
phone (<u>303</u>) <u>850-6322</u>	phone (<u>303</u>) <u>850-6322</u>
account no. <u>N 5100 (3-5-91)</u>	account no. <u>N 9477</u>

*Also see Hallwood to Northstar
oper. chg. eff 8-1-91*

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

Name: <u>(SEE ATTACHMENT)</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(same)*
- 3 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: #110236.
- 4 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.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-6-91)*
- 6 6. Cardex file has been updated for each well listed above. *(9-6-91)*
- 7 7. Well file labels have been updated for each well listed above. *(9-6-91)*
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-6-91)*
- 9 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

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

CONFIRMATION (Fee wells only)

- 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 Sept _____ 19____.

STATE 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.
TS 12-91
notification sent to Ed Demmer for State 2-14 (43-019-30571) and State 16-4 (43-019-30433).
- 2. Copies of documents have been sent to State Lands for changes involving State leases.
** See Hallwood to Northstar oper. chg. CH 8-1-91*

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: Sept 16 1991.

INDEXING

- 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.

REMARKS

910904 B/Lm/MOAB Confirmed change of operator "merger" from Quinceo to Hallwood. All wells except for 43-019-30704 / Calvinedo 31-12 "CR92 C.A." which is still considered Quinceo.

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

July 27, 1992

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

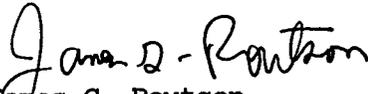
Re: Change of Operator
Sundry Notices
Grand County, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for ten wells on which Lone Mountain Production Company is assuming operations effective August 1, 1992. The wells were all previously operated by Hallwood Petroleum. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Hallwood

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JUL 29 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1004-1
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
USA-U-38842

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
Hallwood Petroleum, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 378111 Denver, CO 80237

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

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

6. UNIT AGREEMENT NAME

7. FARM OR LEASE NAME
Federal

8. WELL NO.
6-7

9. FIELD AND POOL, OR WILDCAT
San Arroya

10. SEC., T., S., M., OR BLK. AND SURVEY OR AREA
Section 6 T17S R25E

11. PERMIT NO.
42-019-20516

12. COUNTY OR PARISH
Grand

13. STATE
UT

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

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>Change of Operator</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Effective 8/1/92 Hallwood Petroleum, Inc. is turning over all interest and operations of this well to:

Lone Mountain Production Company
P.O. Box 3394
Billings, MT 59103-3394

RECEIVED

JUL 29 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED Dabi Shuly TITLE Sr. Engineering Technician DATE 7/27/92

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions re-
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO
2. NAME OF OPERATOR Lone Mountain Production Company		U-38842
3. ADDRESS OF OPERATOR		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2175' FNL, 1700' FEL, Sec. 6		7. UNIT AGREEMENT NAME
14. PERMIT NO. 43-019-30516	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5845 GL	8. FARM OR LEASE NAME Federal
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		9. WELL NO. No. 6-7
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		10. FIELD AND POOL, OR WILDCAT San Arroyo
		11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA SW NE Sec. 6: T17S-R25E
		12. COUNTY OR PARISH 18. STATE Grand Utah

RECEIVED

JUL 29 1992

DIVISION OF
OIL GAS & MINING

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

SIGNED James G. Routson TITLE President DATE July 27, 1992
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

GREAT WESTERN ONSHORE INC
UTU28275

1-4 P+A 16S 16E 4 NESW 430153019800X1

H W DOUGHERTY COMPANY
UTU03901

2 PGW 17S 5 SESE 430191570000S1

RECEIVED

1

UTU013696

1-B GSI 17S 8 SWNW 430191569800S1
1-A PGW 17S 8 SWNW 430191569700S1

AUG 10 1992

HADDEN-HARRISON JOINT VENTURE
UTU7945

1 PGW 20S 23E 13 SWSW 430193037800S1

DIVISION OF
OIL GAS & MINING

HALLWOOD CONSOLIDATED PART-LP *Lone Mountain Production Co. off. still op*
UTU38842*HAL

6-7 PGW 17S 25E 6 SWNE 430193051600S1
6-14 PGW 17S 25E 6 SESW 430193046200S1

UTU38033*HAL

7-14 PGW 17S 25E 7 SESW 430193077300S1
7-4 PGW 17S 25E 7 SWNW 430193051700S1

UTU38030

12-2 PGW 17S 24E 12 NWNE 430193070200S1

HALLWOOD PETROLEUM INC *Lone Mountain Production Co. off. still op*
UTU17942

2 PGW 16S 25E 9 SESW 430191504800S1
* CR176 12-9 PGW 17S 24E 12 NESE 430193074800S1

HANCOCK BURTON W
UTU683

4-11 PGW 17S 25E 4 NESW 430193101200S1

UTU4402

27-9 ABD 17S 25E 27 NESE 430193101400X1

UTU31792

13-13 PGW 17S 25E 13 SESW 430193041200S1

UTU05081

1 P+A 17S 25E 21 NENW 430191548100X1
20-1 GSI 17S 25E 20 NENE 430193102100S1

UTU05079*HAN

11 PGW 17S 25E 4 NWNW 430193101100S1

UTU05003*HAN

35 PGW 17S 25E 17 NWSE 430193022400S1

UTU04984*HAN

8-3 PGW 17S 25E 8 NENW 430193101300S1

UTU04955

20-R PGW 17S 25E

* Wrote a letter to Lone Mtai
telling them they had
submit form to USA
Successor of CH Operat
8/4/92

Routing:	
1- LCR	7- LCR
2- DFB	
3- VLC	
4- RJF	
5- RWM	
6- ADA	

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-92)

TO (new operator)	<u>LONE MTN PRODUCTION CO.</u>	FROM (former operator)	<u>HALLWOOD PETROLEUM INC.</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>PO BOX 378111</u>
	<u>BILLINGS, MT 59103</u>		<u>DENVER, CO 80237</u>
	<u>JAMES ROUTSON, PRES.</u>		<u>DEBI SHEELY</u>
	phone (<u>406</u>) <u>245-5077</u>		phone (<u>303</u>) <u>850-6322</u>
	account no. <u>N 7210</u>		account no. <u>N 5100</u>

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

Name: <u>WESTBIT 2/WSTC</u>	API: <u>43-019-15048</u>	Entity: <u>5220</u>	Sec <u>9</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U-05010</u>
Name: <u>STATE 16-4/DKTA</u>	API: <u>43-019-30433</u>	Entity: <u>6620</u>	Sec <u>16</u> Twp <u>16S</u> Rng <u>26E</u>	Lease Type: <u>ML-29608</u>
Name: <u>FEDERAL 6-14/DKTA</u>	API: <u>43-019-30462</u>	Entity: <u>6525</u>	Sec <u>6</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38842</u>
Name: <u>HOGLE USA 14-4/DK-MR</u>	API: <u>43-019-30507</u>	Entity: <u>6535</u>	Sec <u>14</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type: <u>SL-07117</u>
Name: <u>FEDERAL 6-7/DKTA & MRSN</u>	API: <u>43-019-30516</u>	Entity: <u>6540</u>	Sec <u>6</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38842</u>
Name: <u>FEDERAL 7-4/MRSN</u>	API: <u>43-019-30517</u>	Entity: <u>6650</u>	Sec <u>7</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38033</u>
Name: <u>STATE 2-14/CDMTN</u>	API: <u>43-019-30571</u>	Entity: <u>6560</u>	Sec <u>2</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type: <u>ML-27489</u>

CONTINUED-

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7-29-92)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 7-29-92)*
- 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: .
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(8-25-92)*
- See 6. Cardex file has been updated for each well listed above. *(8-25-92)*
- See 7. Well file labels have been updated for each well listed above. *(8-25-92)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(8-25-92)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- lee 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

- lee 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.
- DTJ 2. Copies of documents have been sent to State Lands for changes involving State leases.
8-27-92 to Ed Bonner

FILMING

- RWM 1. All attachments to this form have been microfilmed. Date: Sept 9, 1992 19____.

FILING

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

COMMENTS

Btm/moab Approved eff. 8-1-92.

LONE MOUNTAIN PRODUCTION COMPANY

Mailing Address:
P.O. Box 3394
Billings, MT 59103-3394

(406) 245-5077
FAX 248-6321

Shipping Address:
404 Petroleum Building
2812 1st Avenue North
Billings, MT 59101-2312

June 29, 1993

Ron Firth
State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: Fracture Stimulate
Sundry Notices
Grand County, Utah

Dear Ron:

Enclosed in duplicate are Sundry Notices to fracture stimulate two wells operated by Lone Mountain Production Company in Grand County, Utah.

The wells are:

Bar-X Unit No. 17
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11-T17S-R25E
Lease U-02857
Federal No. 6-7
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6-T17S-R25E
Lease U-38842

We plan to do this work in August, 1993.

If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

RECEIVED

JUL 06 1993

DIVISION OF
OIL GAS & MINING

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.

U-38842

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 6-7

2. Name of Operator

Lone Mountain Production Company

9. API Well No.

43-019-30516

3. Address and Telephone No.

P. O. Box 3394, Billings, MT 59103 (406) 245-5077

10. Field and Pool, or Exploratory Area

San Arroyo

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

**2175' FNL, 1700' FEL, Sec. 6 T17S-R25E
(SW $\frac{1}{4}$ NE $\frac{1}{4}$)**

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

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

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

Lone Mountain Production Company plans to faom frac the San Arroyo Federal No. 6-7 well as per the attached workover procedure. This work will be done in August, 1993. A small flowback pit (10' x 10') will be dug on the existing location. No other surface disturbance will occur. The pit will be backfilled as soon as it dries, and will be seeded in the fall.

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

DATE: 7-8-93
BY: JM Matthews

RECEIVED

JUL 06 1993

DIVISION OF
OIL GAS & MINING

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

Signed J. Matthews
(This space for Federal or State office use)

Title **Petroleum Engineer**

Date **6-29-93**

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

*See Instruction on Reverse Side

WORKOVER PROCEDURE

- 1: MIRU service rig. Blow well down, nipple up BOP's, frac spool, and stripping head.
- 2: COH with 2 3/8" tubing. Run overshot on tbg to retrieve 5' fish left in hole on 11/17/88.
- 3: Rig up wireline truck, re-perforate 4707'-4717', 1 SPF. Rig down wireline truck.
- 4: Run RBP on tbg to \pm 4600. Load hole with water. Pressure test casing, BOP's, and frac spool to 4000 psi. Drop standing valve, test tbg to 7000 psi. Swab well dry, COH w/tbg & RBP.
- 5: Run tbg to \pm 4400', Land with blast joint and N-80 pup joint in top of string.
- 6: Foam frac with 20,000# 100 mesh sand, 80,000# 20-40 sand in 75 quality foam at 32 BPM total rate, triple entry with 20% of the nitrogen on annulus. Maximum pressure 4000 psi on annulus, 7000 psi on tubing.
- 7: Open well to flow back, displace annulus with nitrogen. Flow overnight to clean up, then test rate.
- 8: Lay down blast jt and N-80 pup jt. Reverse out sand with well gas to PBTD.
- 9: Flange well with tbg tail at \pm 4730', rig down and move off. Return well to production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

REGISTERED
SEP 23 1993

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator Lone Mountain Production Company	3. Address and Telephone No. P. O. Box 3394, Billings, MT 59103-3394	4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2175' FNL, 1700' FEL Sec 6: T17S-R25E (SW $\frac{1}{4}$ NE $\frac{1}{4}$)	5. Lease Designation and Serial No. U-38842	6. If Indian, Allottee or Tribe Name	7. If Unit or CA, Agreement Designation	8. Well Name and No. Federal #6-7	9. API Well No. 43-019-30516	10. Field and Pool, or Exploratory Area San Arroyo	11. County or Parish, State Grand County, UT
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12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Reperforated Dakota 4707'-4717', 1 SPF, 11 holes total, .45" dia.

Foam Fractured existing Dakota Perforations 4633'-4717' on 9-15-93. Injected a total of 20,000 # 100 mesh sand; 82,310 # 20-40 sand; 573 bbls. 5% HCl; 1,400,000 scf Nitrogen.

Average rate 33 BPM @ 3800 psi. Cleaned out to PBTD 4740'. Flanged up with 2 3/8" tubing tail at 4639'. Tested 280 MCFD with 22 psi FTP, 80 psi FCP on 9-17-93. Will return well to production after cleaning up.

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

Signed James S. Rounton Title President Date 9-20-93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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

*See Instruction on Reverse Side

LONE MOUNTAIN PRODUCTION COMPANY

Mailing Address:
P.O. Box 3394
Billings, MT 59103-3394

(406) 245-5077
FAX 248-6321

Shipping Address:
404 Petroleum Building
2812 1st Avenue North
Billings, MT 59101-2312

RECEIVED

September 20, 1993

SEP 23 1993

DIVISION OF
OIL, GAS & MINING

Ron Firth
State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RE: FEDERAL NO. 6-7
SW~~1~~NE~~1~~ SEC. 6-T17S-R25E
GRAND COUNTY, UTAH
SUNDRY NOTICE

Dear Ron:

Enclosed in duplicate is a Sundry Notice for a recent fracture stimulation treatment of the Federal No. 6-7 well.

If any further information is needed please give me or Joe Dyk a call.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosure