

PALMER OIL & GAS COMPANY

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

March 26, 1979

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

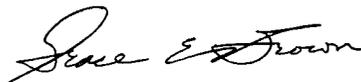
Gentlemen:

Enclosed please find Application to Drill covering our Federal
No. 14-4 well in Grand County, Utah.

Designation of Operator forms will be forwarded.

Yours very truly,

PALMER OIL & GAS COMPANY



Grace E. Brown
Drilling Department

gb

cc: Division of Oil, Gas & Mining ✓
1588 West North Temple
Salt Lake City, Utah 84116



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

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: 1098'FWL & 736'FNL
 At proposed prod. zone:

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 16 miles North of Interstate 70 at the Utah-Colo Line

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1904'

16. NO. OF ACRES IN LEASE
 1600

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

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

19. PROPOSED DEPTH
 5500 Morrison

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6452' G.L., 6463' K.B.

22. APPROX. DATE WORK WILL START*
 July 15, 1979

5. LEASE DESIGNATION AND SERIAL NO.
 SL-071172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal ✓

9. WELL NO.
 14-4 ✓

10. FIELD AND POOL, OR WILDCAT
 Bryson Canyon ✓

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 NW¼NW¼ 14-17S-24E ✓

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7" new	20#	1000	To Surface
6 1/4"	4 1/2" new	10.5# K-55	5500	225 sacks

- Surface formation is the Mesa Verde Shale.
- Anticipated geologic markers are: Mancos-900', Dakota-4950', Morrison-5100'.
- 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 500 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. (Continued on back 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 Robert D Ballantyne TITLE Drilling Superintendent DATE March 21, 1979
 Robert D Ballantyne
 (This space for Federal or State office use)

PERMIT NO. 43-09-30507 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

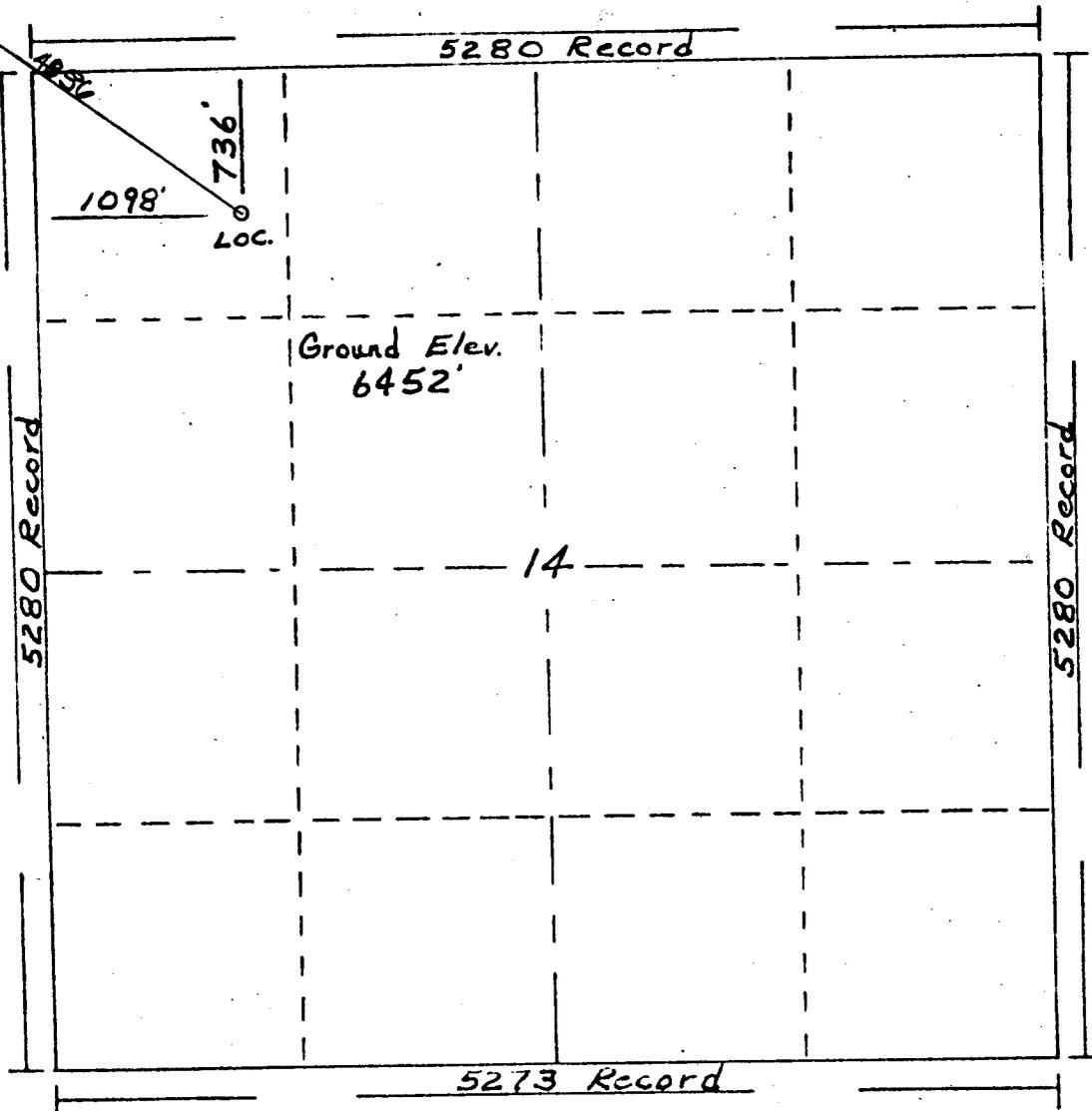




#9 10 11

R. 24 E.

15



T. 17 S.

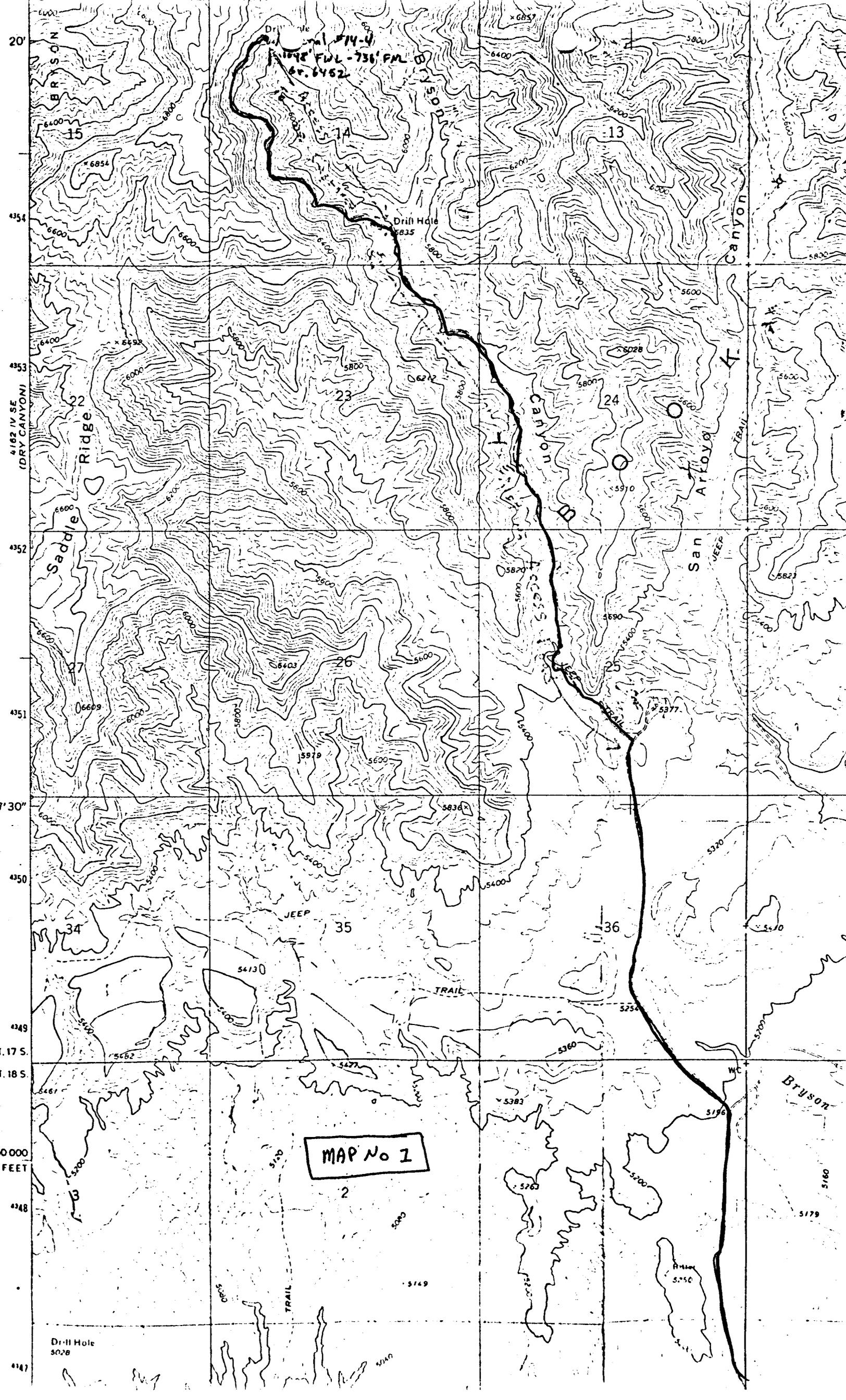
Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
 has in accordance with a request from *Bill Whitman*
 for *Palmer Oil + Gas*
 determined the location of *14-4 Federal*
 to be *736 F.N.L. - 1098 F.W.L.* Section *14* Township *17 S.*
 Range *24 E.* Salt Lake Meridian
 Grand County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of *14-4 Fed.*

Date: 10-4-78

J. Nelson
 Licensed Land Surveyor No 2711
 State of Utah



MAP No 1

2

TRAIL

5169

Drill Hole
5028

Drill Hole
5815

Drill Hole
5815

Drill Hole
514-4
1048' FWL - 736' FM
Gr. 6462

4162 IV SE
(DRY CANYON)

0000
FEET

0147

20'

4354

4353

4352

4351

4350

4349

4348

4347

4346

15

14

13

22

23

24

27

26

25

34

35

36

BRYSON

BRYSON

BRYSON

Saddle
Ridge

BRYSON
CANYON

San
Arroyo

Bryson

Access

JEEP

JEEP

TRAIL

MC

5250

5160

5179

5320

5360

5381

5836

54130

5462

5461

5467

5477

5040

5823

5830

5800

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Proposed Action:

On April 12, 1979, Palmer Oil and Gas Co. filed an Application for Permit to Drill the No. 14-4 development well, a 5500' gas test of the Dakota and Morrison Formations; located at an elevation of 6452' in the NW/4 NW/4, Sec. 14, T17S, R24E on Federal mineral lands and Public surface; lease No. SL-071172. An objection was raised to the wellsite, however no other alternative could be found. There was no objection raised to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are 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.

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 reconstruct an existing, unreclaimed drill pad, previously used in 1962 by Trend Oil Co. The pad would conform to the terrain of the bench encompassing an area of 0.6 acre (see attached diagram). A 10' x 12' bloopie pit with a trench sloping back to the mud tanks would be constructed on the pad. An existing trail would be upgraded to a maximum disturbed width of 25 feet for approximately 3.0 miles. Access would be difficult as the grade of the trail approaches 15% in some areas. 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 July 15, 1979, and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 20 miles northwest of Mack, Colorado, the nearest town. A poor road runs to the location. This well is in the Bryson Canyon field.

Topography:

Area topography is mountainous with rugged cliffs and ledges. The location sits on an unreclaimed existing drill pad cut on a small bench. Access follows the natural contour of the canyon rising gradually with a maximum slope of 15%.

Geology:

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

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

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

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 2.5 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.

Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rainstorms. This type of storm is rather uncommon as the annual precipitation is around 9".

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

Surface Water Hydrology:

Drainage from the location would be through Bryson Canyon which flows toward Westwater Creek, a tributary of the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Groundwater Hydrology:

Some minor pollution of groundwater systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of freshwater formations are listed in the 10-Point Subsurface Protection Plan. 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:

A sparse covering of fourwing saltbrush, rabbit brush, grasses and pinyon and juniper trees are present on the unreclaimed location. Plants in the area are of the pinyon-juniper association.

Proposed action would remove about 2.5 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:

The fauna of the area consists predominately of elk, 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.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would not be required prior to approval of the proposed action since the area was previously disturbed by past drilling operations. If, however, 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 moderate. 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. After drilling operations, completion equipment would be visible to passersby of the immediate area but should not present a major intrusion.

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

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

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

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

Waste Disposal:

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

Alternatives to the Proposed Action:

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

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

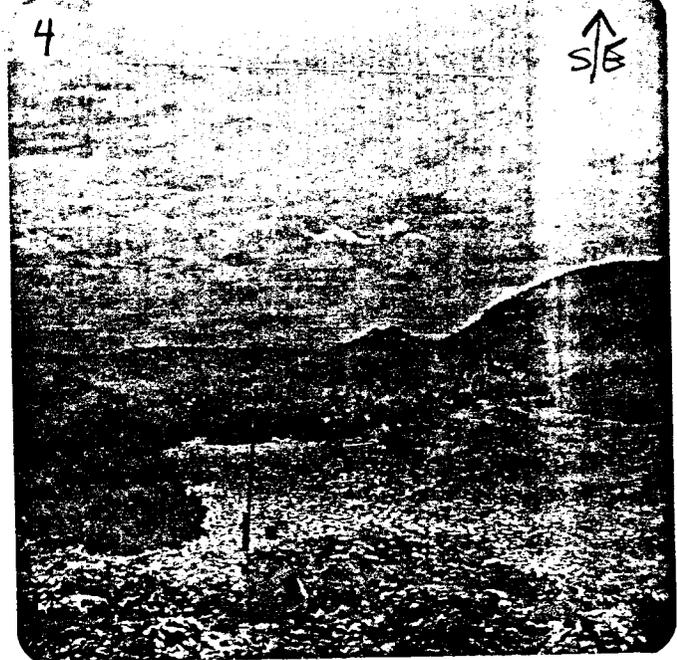
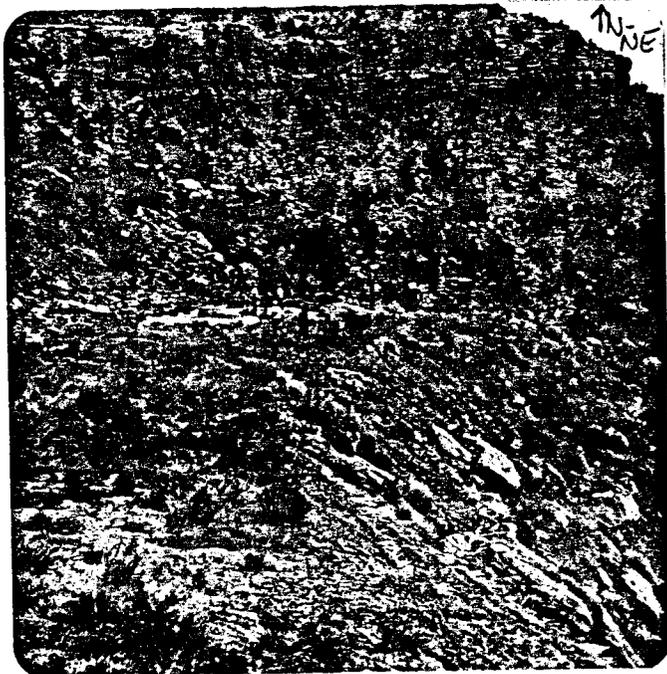
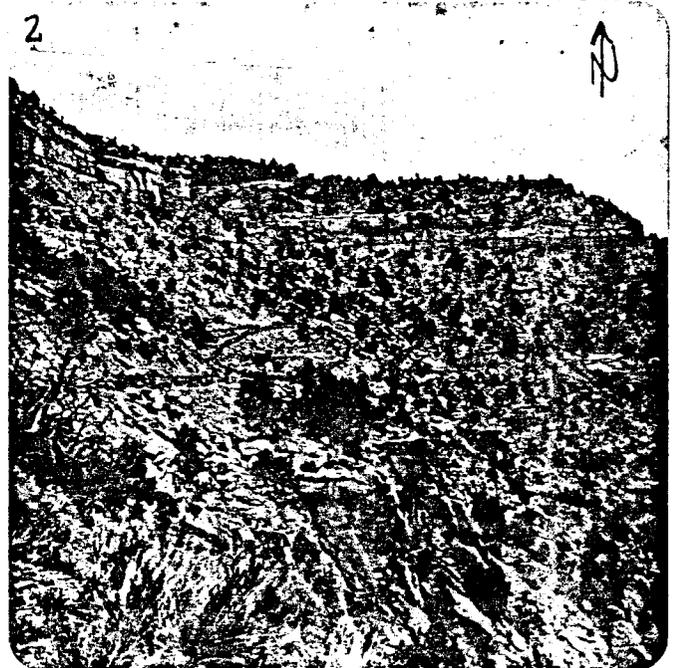
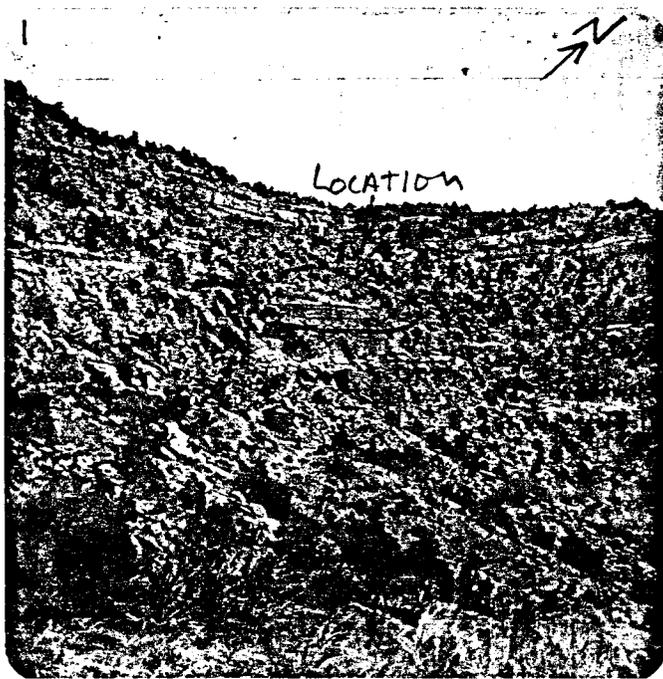
3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- a. The pad would be situated on a narrow, previously constructed location with high walls on two sides (see diagram and photographs). all fallen soil, rocks, and vegetation should be cleared from the uphill side of the pad. No debris, drill cuttings, etc., should be pushed over the edge on the downhill or south edge of the location.
- b. The blooie line should be misted with water to suppress dust.
- c. Due to the small size available for pit construction, a tank truck should be made available at all times in the event any fluids are encountered which could not be adequately handled in the reserve pit.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 2.5 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 Westwater Creek would exist through leaks and spills.



Determination:

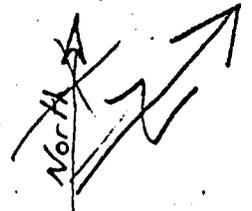
This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date 7/19/79

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



High Ridge



Palmer

Clearup fault

PARKING B

COMPRESSORS

FLUO PIT

F25

PROG M

WATER TANK

MUD PUMP

SUBSTRUCTURE

MUD TANKS

PIPE RACKS

TUBS

TANK TRUCK ON LOCATION

12' DEPTH PIT

TRENCH - SLOPED TO MUD TANKS

F15

Access Road

F15

CROSS-SECTIONS

GRADE

2.5' Fill

GRADE

B'

1.5' Fill

GRADE

C'

Fill 6.0'

Scale 1" = 40'

Deep Canyon

Plat No 2
Palmer Oil & Gas
14-A Federal

FROM: : DISTRICT GEOLOGIST, U, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. SL-071172OPERATOR: PALMER OIL & GAS CO.WELL NO. 14-4LOCATION: 1/2 NW 1/2 NW 1/2 sec. 14, T. 17 S., R. 24 E., SLMGRAND Co. County, UTAH

1. Stratigraphy: OPERATOR ESTIMATES ARE REASONABLE.

2. Fresh Water: WRD REPORT FOR WELL IN SEC 6., SAME TWP, IS ATTACHED.
FRESH/USABLE WATER MAY BE FOUND TO DEPTHS OF 1300' ± IN THE
CASTLEGATE SS AT THIS SITE.

3. Leasable Minerals:

VALUABLE PROSPECTIVELY FOR COAL. DAKOTA COAL IS LIKELY TO BE THIN,
LENTICULAR & SUBECONOMIC.

4. Additional Logs Needed: NONE

5. Potential Geologic Hazards: WELL IN THE TWP REPORT NO ABNORMAL CONDITIONS.

6. References and Remarks: ONE MILE FROM UNDEFINED KGS (BAYSON CANYON FIELD)

TRA

4 4 79

Sec 6, T.17S., R.24 E., SLM

Oil Resources-Westwater #2--continued

2. Fresh Water Sands--continued

"In this vicinity the deepest fresh-water zone is the Castle Gate Member of the Mancos Shale:

Castle Gate Mem 1500'-1600', aquifer, may contain fresh water or water not too brackish to be used by stock.

Deeper formation, if aquifers, may yield salty water or brine.

Note: Interval mentioned here is provided by WRD. Tops in item 1 are probably better because of the close proximity of well from which the information was obtained."

WRD 12/2/69

TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL #14-4
NW1/4 NW1/4 Section 14-T17S-R24E
Grand County, Utah

1. Existing Roads

- A. Proposed wellsite: Survey plat enclosed.
- B. Location is approximately 12 miles Northwest of Highway 6 & 50 on 2 Road. Then approximately 4 miles North through Bryson Canyon to the location.
- 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. Existing trail which was used for access road to a well drilled in the NW1/4 Section 14 in 1962 will have to be bladed and improved for approximately 3/4 miles.

2. Planned Access Roads

- A. See Location Map #1 for necessary access road to be improved by blading. Length of access road is approximately 3/4 of a mile.
 1. Maximum width of 25'
 2. Maximum grade of 7%.
 3. No turnouts needed.
 4. Natural drainage, road will follow contour of land.
 5. No culverts required
 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. No shut in wells.
8. No injection wells in the area.
9. No monitoring or observation wells in area.

4. Location of existing and proposed production facilities

- A.
 1. Producing well facilities located in section 10.
 2. Two wells in section 10.
 3. No oil gathering lines in the area.
 4. Map #1 shows existing pipelines.
 5. No injection lines in the area.
 6. No disposal lines in the area.
- B.
 1. The proposed gathering line is shown on Plat #3, and will follow the access road.
 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 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 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 recontoured, ripped or scarified as needed, and revegetated using the following seed formula:

Indian Ricegrass	1 lb/acre
Crested Wheatgrass	1 lb/acre
Sand Drop Seed	1 lb/acre
Globe Mallow	1 lb/acre
Wild Sunflower	1 lb/acre
Four Wing Saltbush	1 lb/acre

Shadscale
Winterfat

1 lb/acre
1 lb/acre

All seeding will be done between September 15 - 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 purchased from Grand Valley Water Users and hauled from a ditch near Mack, Colorado, or from West Salt Creek drain ditch near Mack, Colorado.
- B. Water will be transported by tank 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 3 sides during drilling, 4 sides after rig is moved off.
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 toilet will not be provided.
5. Trash will be burned in burn 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.

8. Ancillary facilities

No proposed camps or airstrips.

9. Wellsite layout

1. See Plat #2 showing location pad. All necessary cuts and fills are shown on this plat, and the cross sections are shown on the bottom of Plat No. 2.
2. Location of pits, etc.: See plan of drillsite layout diagram, Plat No. 2-A.
3. Rig orientation: See plan of drillsite layout diagram, Plat No. 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: See 7-2. This will be done as soon as drilling is completed.
4. Oil on pits: Not applicable.
5. Rehabilitation timetable: See 4-C. Contouring will be done as soon as the pits are dry.

11. Other information

1. Topography: Very steep topography location is situated on side of hill approximately 3 miles back into a canyon.
Vegetation: Greasewood and sagebrush. Land has no value-for grazing.
Fauna: Occasional use by deer, antelope, rabbits, lizzards, hawks, and miscellaneous small birds.
Geologic features: Bookcliffs.
2. A. Surface Ownership: Public lands administered by the BLM.
B. Surface Activities: Four wheel drive and motorcycle recreation, rabbit and bird hunting, pipeline maintenance ROW south of lease.
3. No water or dwellings are on the lease. An archaeological study will be done by Powers Elevation Co. of Eagle, Colorado. Some litter is present along 2 Road in the form of cans and bottles.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

2. Lessee's or operator's representative

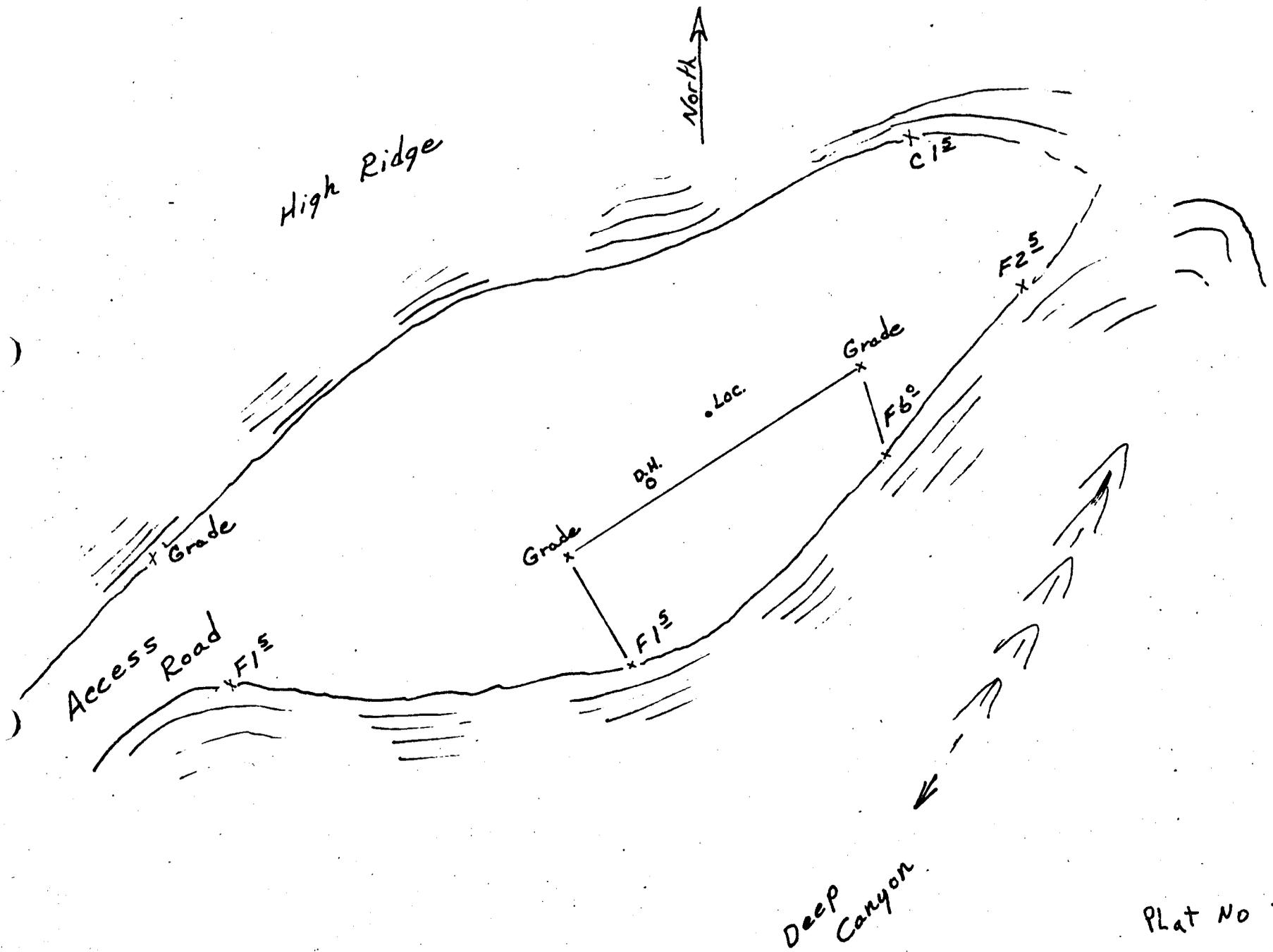
R. D. Ballantyne
P. O. Box 2564
Billings, MT 59103

Office Phone (406) 248-3151
Home Phone (406) 656-1304

3. 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 is being contracted for at this time. The contractor and sub-contractors will conform with this plan and the terms and conditions under which it is proposed.

Date: March 21, 1979

R.D. Ballantyne
R. D. Ballantyne
Drilling Superintendent



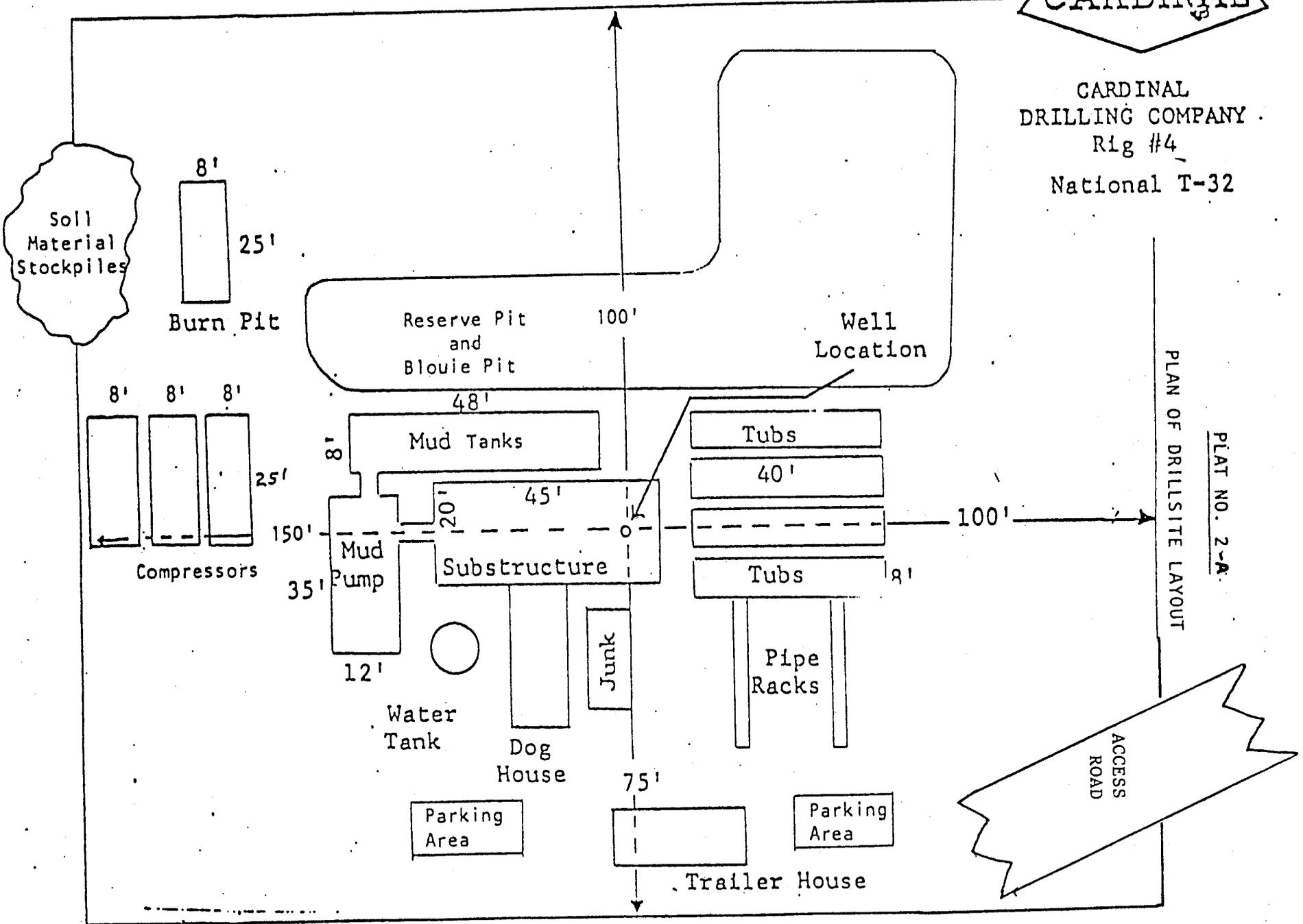
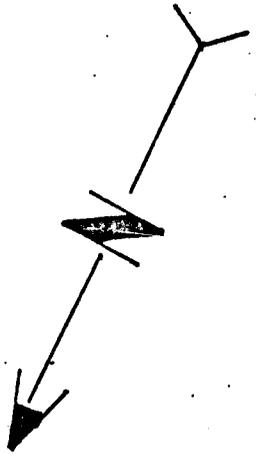
Scale 1" = 40'

Powers Elevation Co, Inc

Plat No 2
 Palmer Oil & Gas
 14-4 Federal



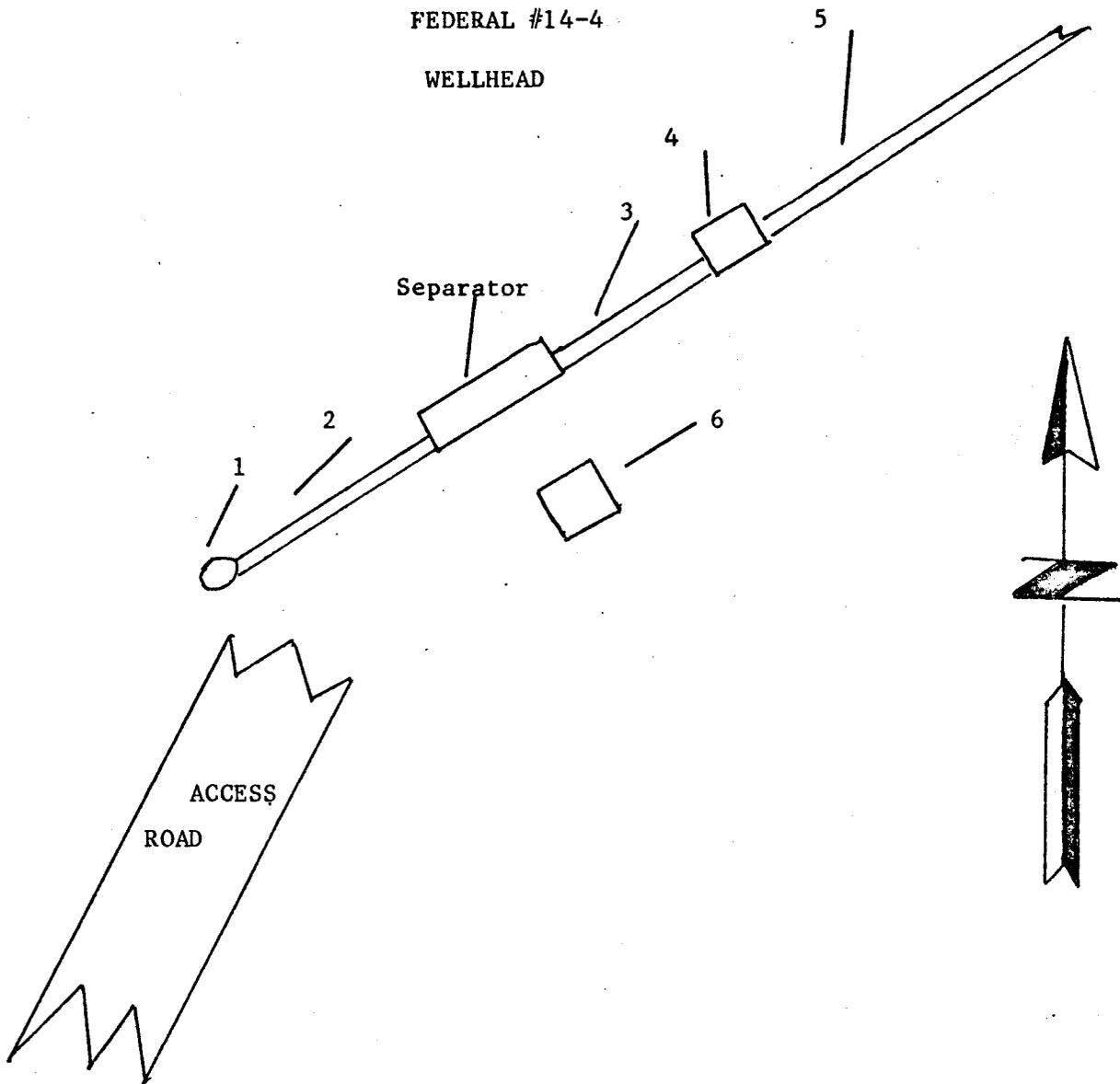
CARDINAL
DRILLING COMPANY
Rig #4
National T-32



PLAT #3

FEDERAL #14-4

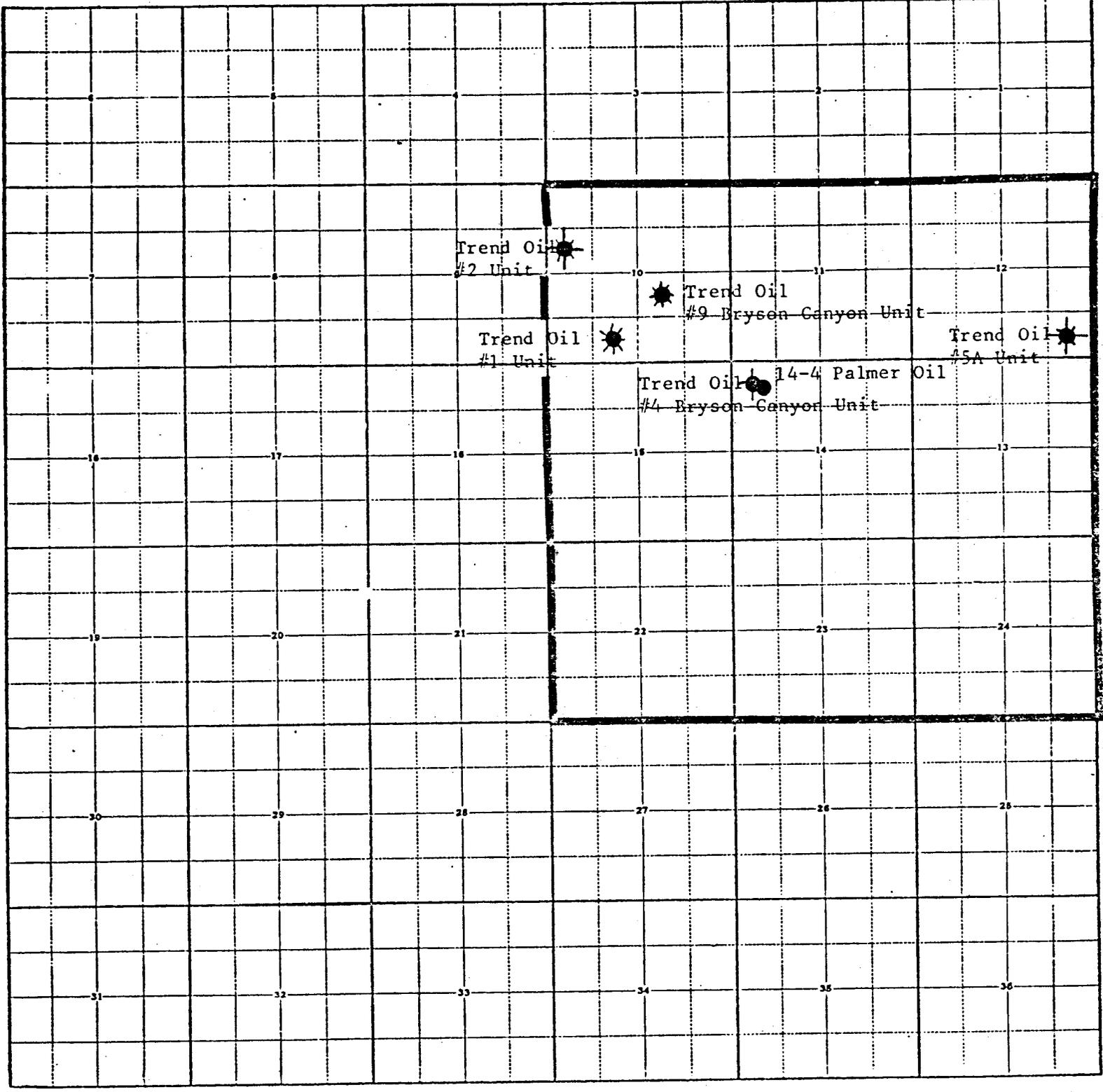
WELLHEAD



1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet PO&GC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried and will be approx. 25 feet in length.
4. Meter run will be American 4" run, 500 psi static rating, 100" of water differential rating.
5. Line between meter run and 4" gathering line will be 4" seamless, welded pipe and will be approx. feet in length.
6. Pit, if necessary will be 10' x 10', enclosed by dikes and fenced.

- * Producing
- Location

TOWNSHIP 17 S, RANGE 24 E, COUNTY Grand, STATE Utah

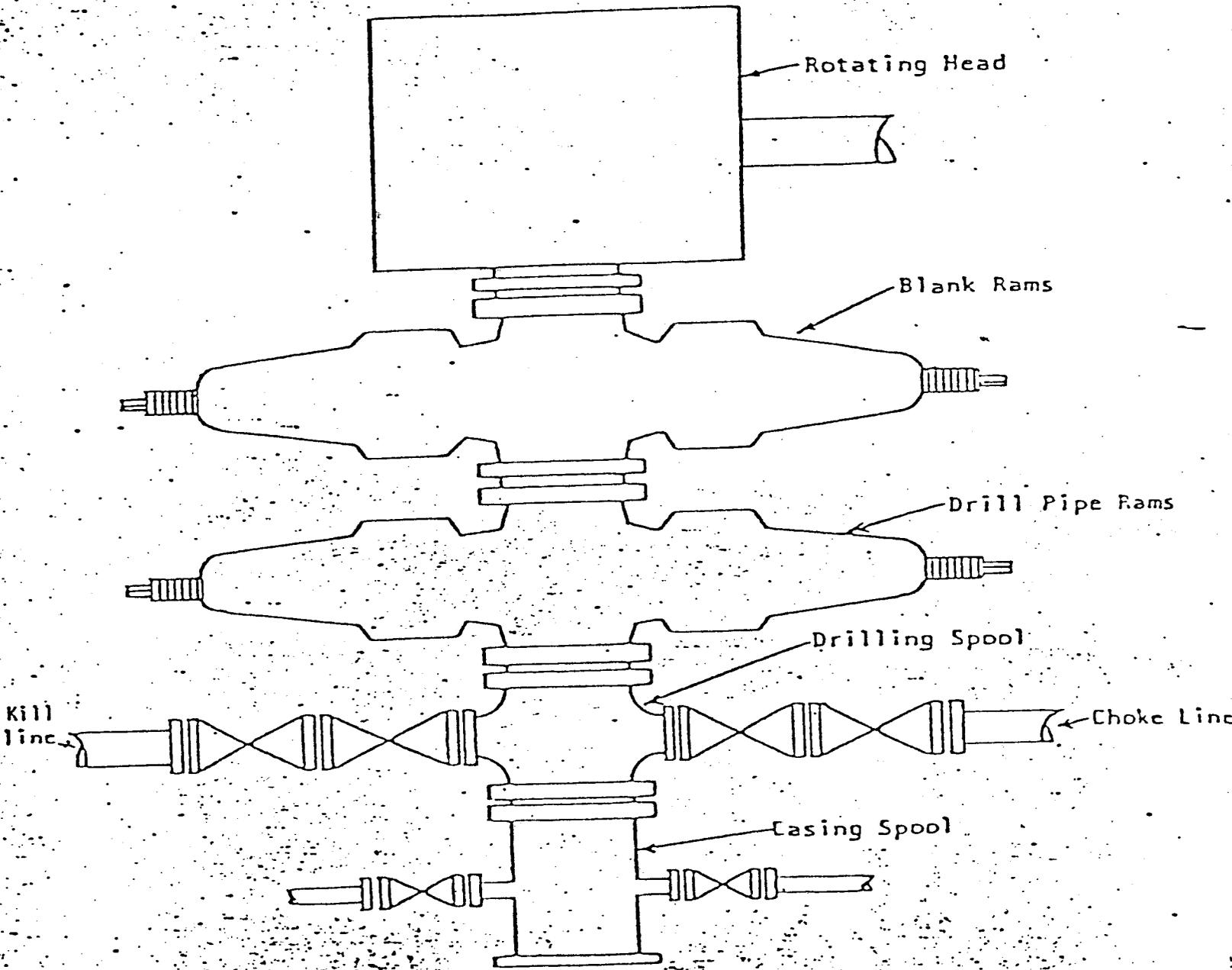


SCHEMATIC OF BOP STACK

AIR DRILLED WELLS
using

900 series well head equipment

Interval from 1,000 to TD

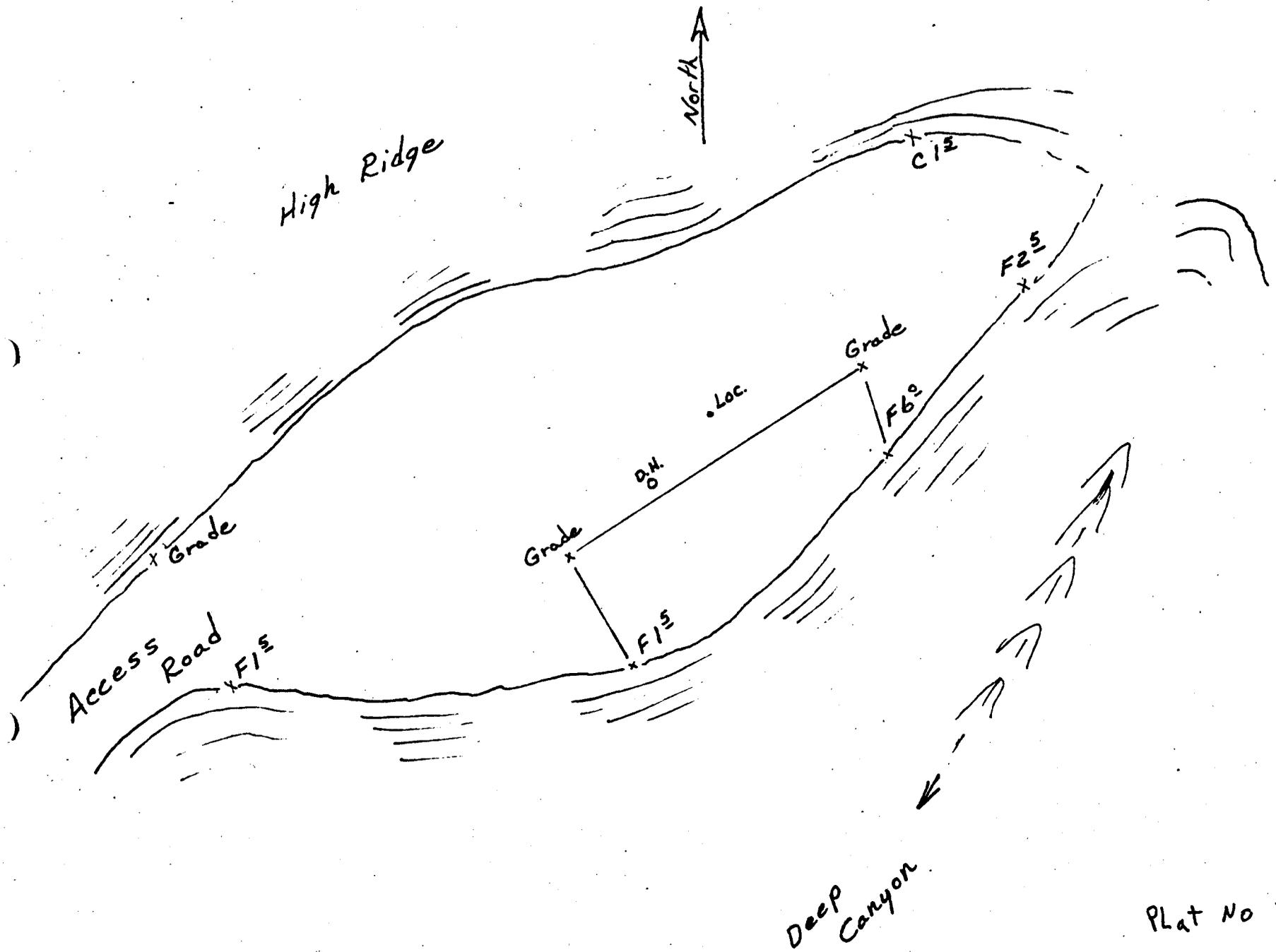


WELL CONTROL PLAN

1. Surface Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C, set at 1000 or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 7" x 10" 900 Series 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. Auxillary equipment: (a) Drill pipe float will be used at the bit. (b) Mud monitoring - none due to drilling with air. (c) Stabbing Valve - will be on rig floor at all times. (d) Upper Kelly cock - will be available at all times.
6. Anticipated bottom hole pressure is less than 1000 psi at 4900 or a gradient of .21 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY

Robert D Ballantyne



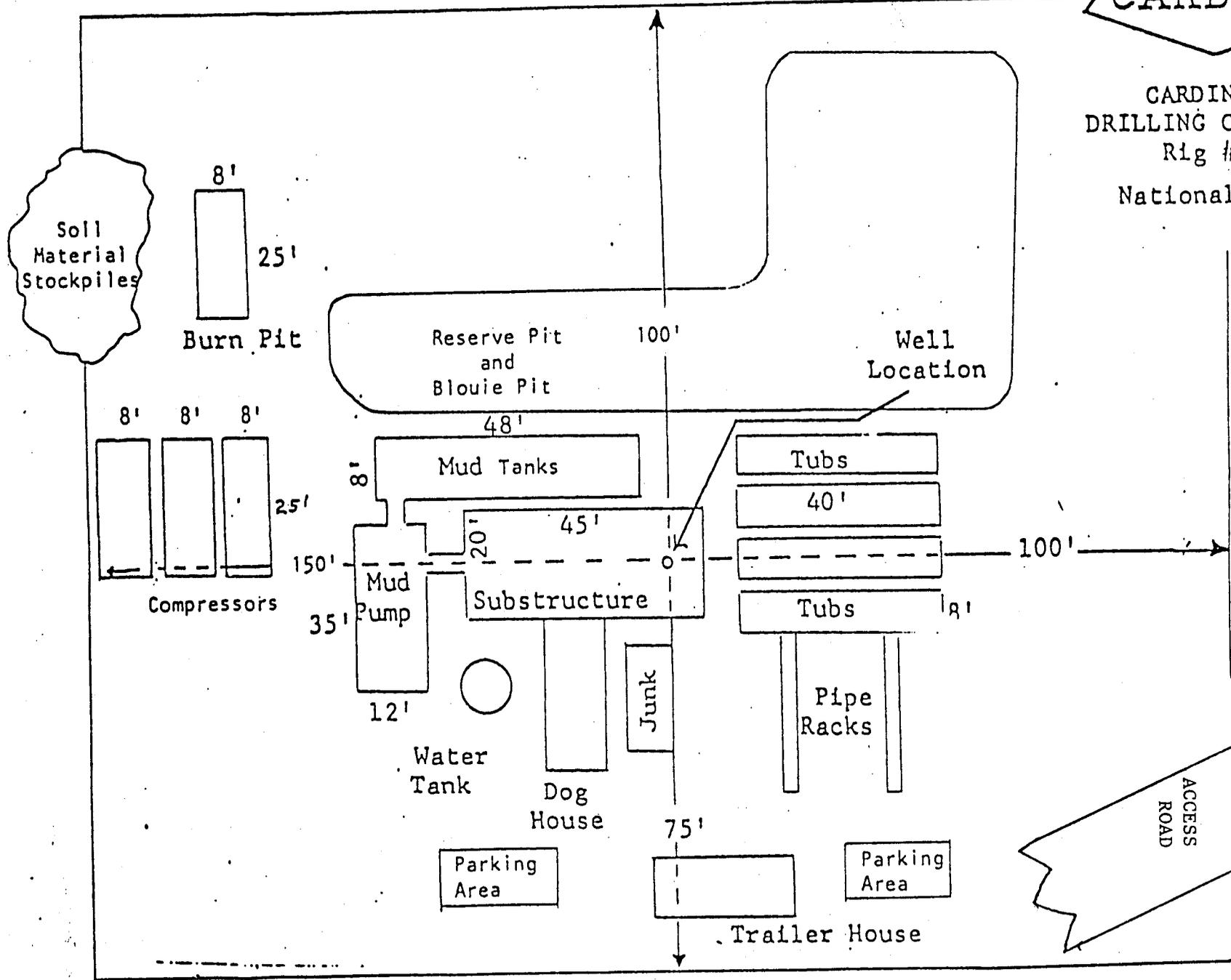
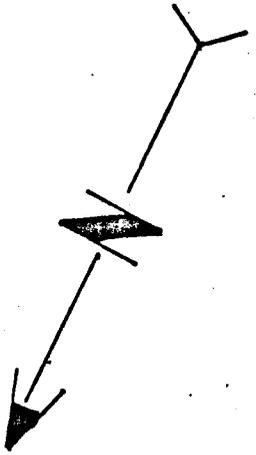
Scale 1" = 40'

Powers Elevation Co, Inc

Plat No 2
 Palmer Oil & Gas
 14-4 Federal



CARDINAL
DRILLING COMPANY
Rig #4
National T-32



PLAN OF DRILLSITE LAYOUT

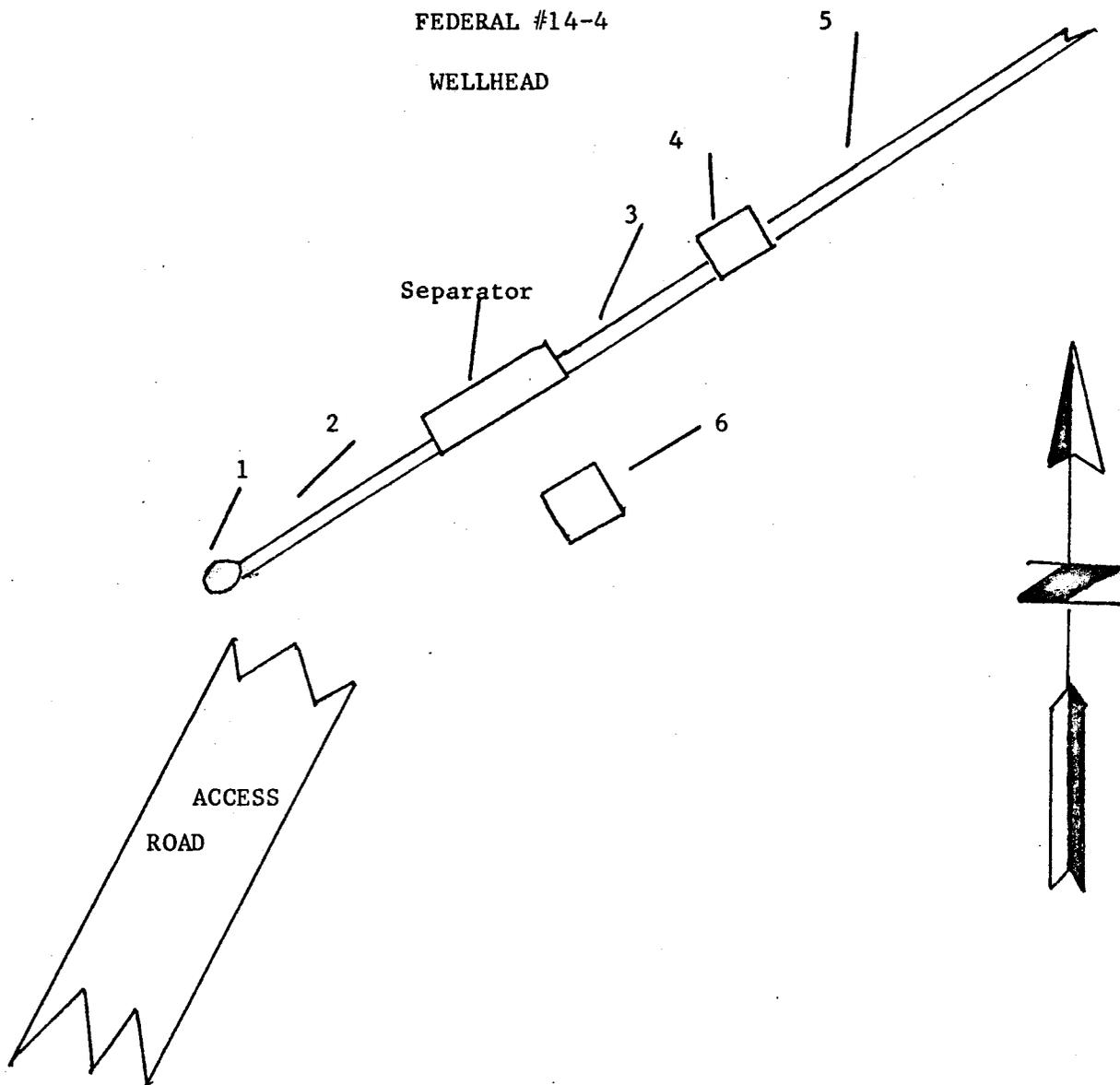
PLAT NO. 2-A

ACCESS
ROAD

PLAT #3

FEDERAL #14-4

WELLHEAD



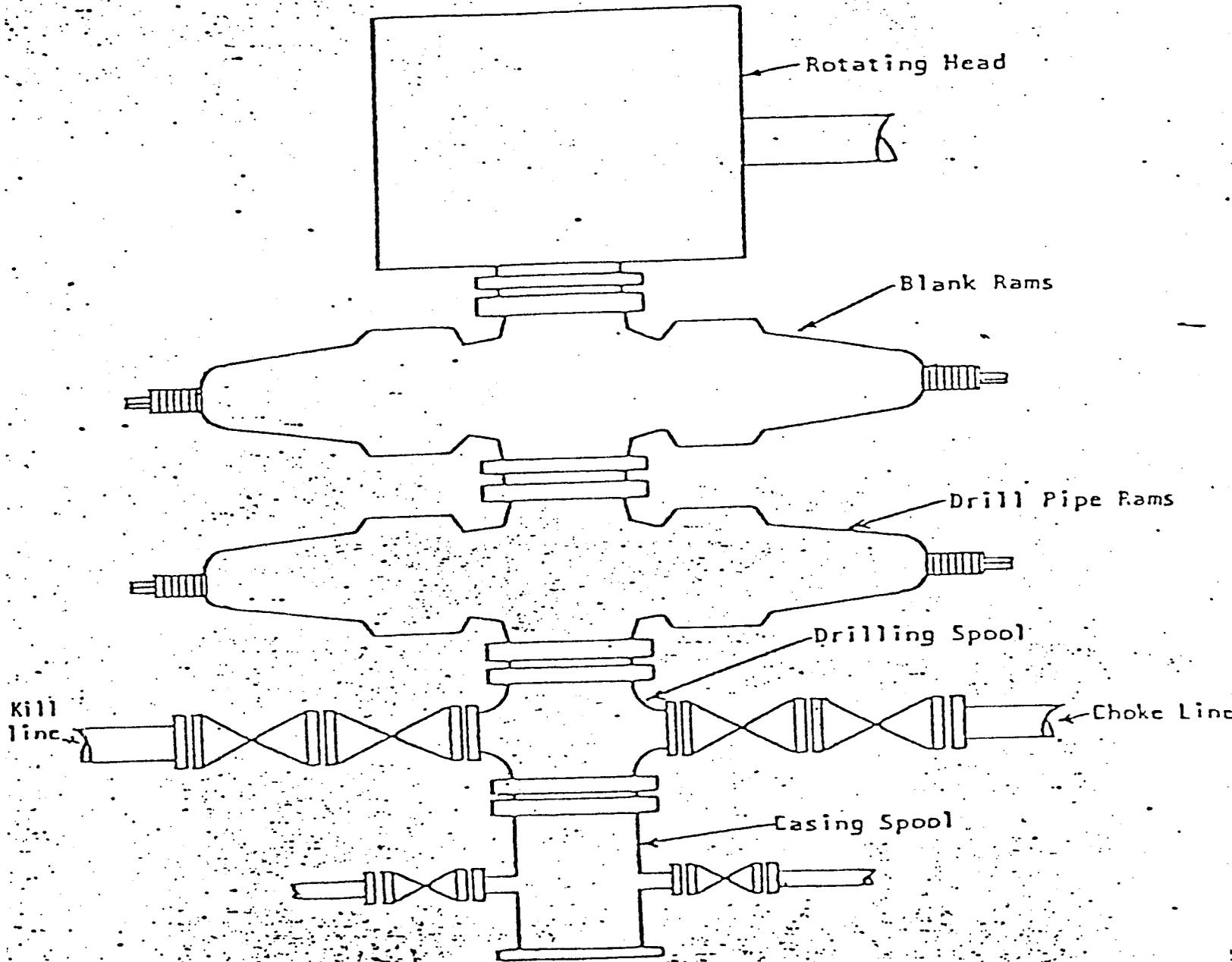
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SCHEMATIC OF BOP STACK

AIR DRILLED WELLS
using

900 series well head equipment

Interval from 1,000 to TD



WELL CONTROL PLAN

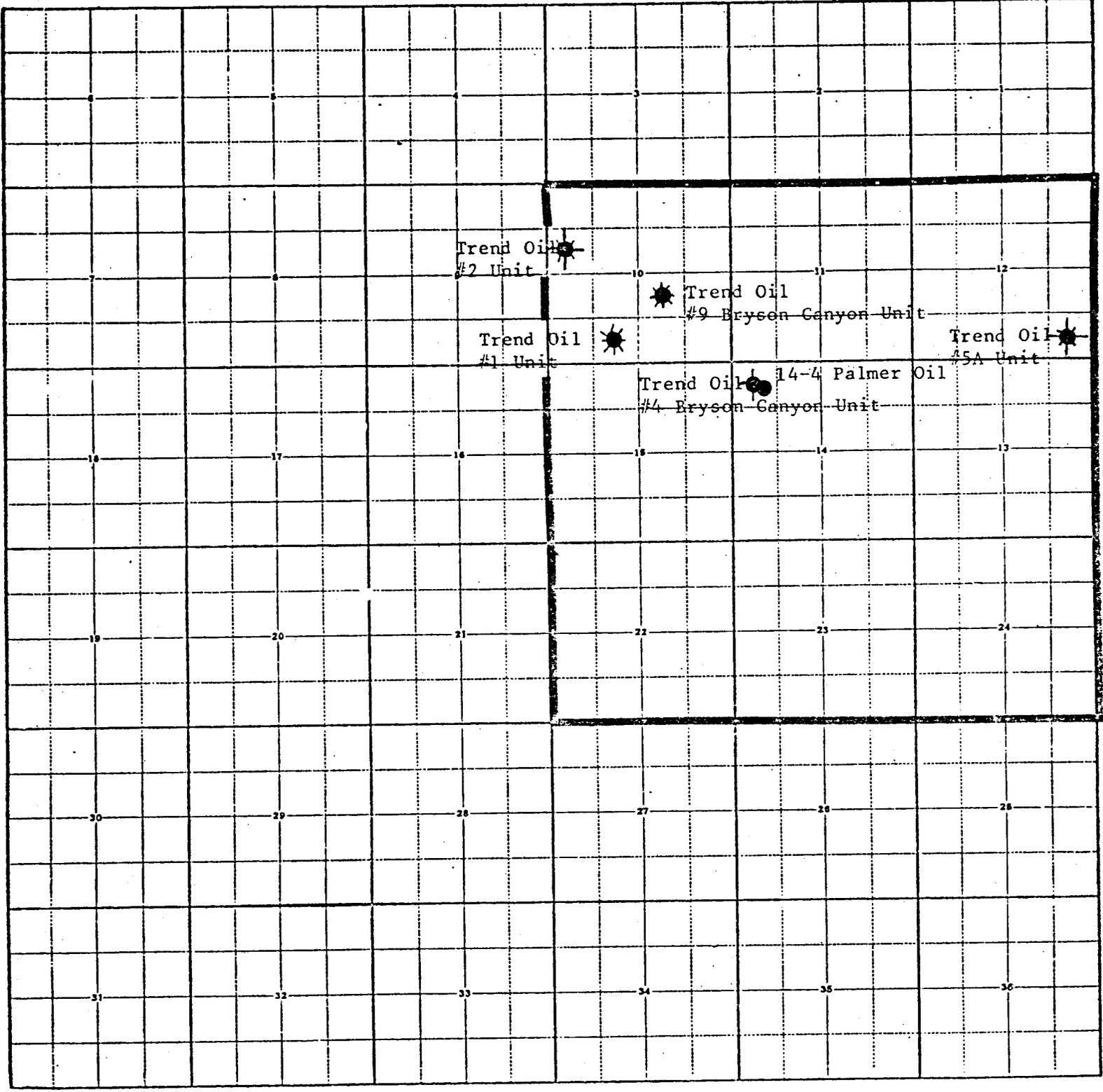
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2. Casinghead Flange: 7" x 10" 900 Series with two 2" 1500 PSI L. P. outlets.
3. Intermediate Casing None required.
4. Blowout Preventor: A 10" 3000 psig W.P. Double gate hydraulic Shaffer BOP (or equivalent) with drill; pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P.
5. Auxillary equipment: (a) Drill pipe float will be used at the bit. (b) Mud monitoring - none due to drilling with air. (c) Stabbing Valve - will be on rig floor at all times. (d) Upper Kelly cock - will be available at all times.
6. Anticipated bottom hole pressure is less than 1000 psi at 4900 or a gradient of .21 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY

Robert D Ballantyne

- * Producing
- *-A Location
- Location

TOWNSHIP 17 S, RANGE 24 E, COUNTY Grand, STATE Utah



M.

PALMER OIL & GAS COMPANY

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

April 4, 1979

Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Mike Minder

Re: Federal No. 14-4 Well
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14-T17S-R24E
Grand County, Utah

Gentlemen:

We are requesting an exception to the well spacing Rule C-3 which states that there shall not be less than 4,960 feet between gas wells for the above well due to topographic conditions.

The Federal No. 14-4 would be a twin to an abandoned well, the Trend Oil Bryson No. 4, drilled in 1962. We plan to use the same well site pad as the Bryson No. 4 so as to limit surface disturbance.

Very truly yours,

PALMER OIL & GAS COMPANY

By: Robert D. Ballantyne
Robert D. Ballantyne
Drilling Superintendent

RDB/ah

APR 6 1979

18111

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: April 9, 1979

Operator: Palmer Oil & Gas Company

Well No: Federal M-4

Location: Sec. 14 T. 17S R. 24E County: Grand

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

Card Indexed: Completion Sheet:

API Number: 43-019-30507

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.J.M. 4-9-79

Remarks:

Director: J

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

Surface Casing Change
to _____

2
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



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

April 9, 1979

CHARLES R. HENDERSON
Chairman

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

CLEON B. FEIGHT
Director

Palmer Oil & Gas Company
P. O. Box 2564
Billings, Montana 59103

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

However, said approval is issued contingent on filing a written statement with this division specifying that your firm possesses ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location, or all owners of oil and gas leases within such radius consent in writing to the proposed location.

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

MICHAEL T. MINDER - Geological Engineer
HOME: 876-3001
WORK: 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.

Page 2
April 9, 1979
Palmer Oil & Gas Company

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

The API number assigned to this well is 43-019-30507.

Very truly yours,

THE DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
CLEON B. FEIGHT
DIRECTOR

cc: U. S. Geological Survey

Tenneco Oil
A Tenneco Company

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



Kathy 7

October 23, 1979



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

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

Gentlemen:

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

Grand County, Utah

Township 16 South, Range 24 East

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

Township 16 South, Range 25 East

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

Township 16 South, Range 26 East

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

Township 17 South, Range 24 East

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

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

DUPLICATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SL-071172	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		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 1098' FWL & 736' FNL At proposed prod. zone		9. WELL NO. 14-4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 16 miles North of Interstate 70 at the Utah-Colorado Line		10. FIELD AND POOL, OR WILDCAT Bryson Canyon	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1904'	16. NO. OF ACRES IN LEASE 1600	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW $\frac{1}{4}$ /NW $\frac{1}{4}$ 14-17S-24E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH 5500 Morrison	12. COUNTY OR PARISH 13. STATE Grand Utah	
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* July 15, 1979	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6452' G.L., 6463' K.B.			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7" new	20#	1000	To Surface
6 $\frac{1}{2}$ "	4 $\frac{1}{2}$ " new	10.5#, K-55	3500	225 sacks

1. Surface formation is the Mesa Verde Shale.
2. Anticipated geologic markers are: Mancos-900', Dakota-4950', Morrison-5100'.
3. Gas is anticipated in the Dakota and Morrison. No water, oil, or other minerals are anticipated.
4. Proposed casing program: See item No 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractors BOP stack. BOP's will be tested before drilling out from under surface casing and will be checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered approx. 500 bbls. of gel type mud will be used. The well will be air drilled from under surface casing to T.D.
7. Auxiliary Equipment: See well control plan.
8. The logging program will consist of an IES log from TD to the base of surface casing, and GR-FDC-SNP or CNL logs from TD to above the Frontier. No cores or DST's are planned.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. D. Traywick TITLE Administration Supervisor DATE 11-9-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W. T. Martin FOR E. W. GUYNN DISTRICT ENGINEER DATE APR 29 1980
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 *See Instructions On Reverse Side

NOTICE OF APPROVAL

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

Utah Oil & Gas



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

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

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
February 25, 1980

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

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

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

See enclosed paper

Gentlemen:

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

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

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Janice Tabish

JANICE TABISH
CLERK TYPIST

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

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

Tenneco Oil
A Tenneco Company

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



March 3, 1980

RECEIVED

MAR 5 1980

DIVISION OF
OIL, GAS & MINING

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

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

Dear Mr. Freight:

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

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

If you need additional information, please call this office.

Yours very truly,

TENNECO OIL COMPANY


J.D. Traywick
Administrative Supervisor

JDT/kae
cc: Well Files

**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. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
1098'FWL, 736'FNL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
SL 071172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14; T17S; R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6452'GL

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>Report on Drilling Operations</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.)*

6/13-6/22/80
Spudded 9" hole 1:00 PM, 6/13/80. Drilled to 1164 and set 29 jts of 7", 23# csg. Cmt w/220 sxs RFC, 2% CACL2 and 1/4#/sk Dowflake. Circ. to surface. PD. Tested BOP to 1000#-held. Reduced hole to 6 1/4" and drilled to TD of 5534' on 6/21. Ran and set 170 jts of 4 1/2", 10.5# csg and set @ 5523'. Cmt w/235 sxs RFC & 1/4#/sk Celloflake. Released rig 6/22/80. WOCU.

RECEIVED
JUL 01 1980

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF OIL, GAS & MINING Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct. Asst. Div.
SIGNED Cody Statten TITLE Admin. Manager DATE June 25, 1980

(This space for Federal or State office use)

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

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 S. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1098'FWL, 736'FNL, NW NW
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-019-30507 DATE ISSUED 4-9-79

5. LEASE DESIGNATION AND SERIAL NO.
SL-071172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hogle

9. WELL NO.
14-4

10. FIELD AND POOL, OR WILDCAT
Bryson Canyon

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 14; T17S; R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUNDED 6/13/80 16. DATE T.D. REACHED 6/21/80 17. DATE COMPL. (Ready to prod.) 7/19/80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6452'GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5534 21. PLUG, BACK T.D., MD & TVD 5484 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-TD CABLE TOOLS no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Morrison (5304-5309), Cedar Mtn. (5076-5087) Dakota (5023-5028) (4985-5008) (4966-4978) (4952-4958) 25. WAS DIRECTIONAL SURVEY MADE no

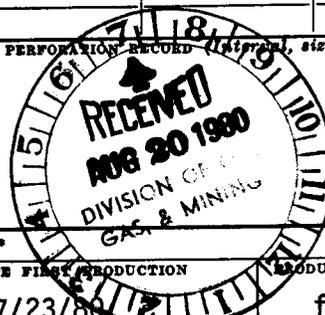
26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Ind/ GR, FDC, SNP & Temp. Log All Logs 27. WAS WELL CORED no

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	1164	9"	220 sxs	
4 1/2"	11.6#	5523	6 1/4"	235 sxs	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8		

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED



33.* **PRODUCTION**
DATE FIRST PRODUCTION 7/23/80 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/23/80	1	1 1/2" orifice			154		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
49	800			3692			

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

35. LIST OF ATTACHMENTS
Electric logs forwarded by Schlumberger

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Carley Statten TITLE Asst. Div. Admin. Manager DATE 8/4/80

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

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, 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 OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENTS, ETC.
	MEAS. DEPTH	TRUE VERT. DEPTH		
Dakota	4952	4978	4978	Gas bearing by log analysis
	4985	5008	5008	Gas bearing by log analysis
	5020	5031	5031	Gas bearing by log analysis
Cedar Mt.	5024	5090	5090	Gas bearing by log analysis
Morrison	5163	5174	5174	Water bearing by log analysis
	5303	5312	5312	Gas bearing by log analysis

APR 30 1960

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Castlegate	1132	+5358
Mancos "B"	1987	+4503
Frontier	4538	+1952
Dakota Silt	4832	+1658

September 11, 1980

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

RE: Well No. Federal 14-4
Sec. 14, T. 17S, R. 24E/,
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office August 20, 1980, from above referred to well (s) indicates the following electric logs were run: Dual Ind/Gr, FDC, SNP & Temp. logs. As of todays date this office has not received these logs.

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

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Barbara Hill

BARBARA HILL
CLERK-TYPIST

Tenneco Oil Exploration and Production

A Tenneco Company



Rocky Mountain Division

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

September 17, 1980

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

Attn: Barbara Hill

RE: Tenneco Hogle USA 14-4
Sec. 14, T17S, R24E
Grand County, Utah



Dear Ms. Hill:

Please excuse the oversight in not sending you logs of the captioned well. The logs are enclosed.

Also please note the name change from "Federal" 14-4 to "Hogle USA" 14-4.

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "George M. Carlstrom".

George M. Carlstrom
Senior Geological Engineer

GMC:pjs

Enclosure

cc: Well File

Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

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

Delivery Address:
6162 South Willow Drive
Englewood, Colorado

April 25, 1984

RECEIVED

APR 27 1984



DIVISION OF OIL
GAS & MINING

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

Gentlemen:

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

Very truly yours,

TENNECO OIL COMPANY

Ursula C. Sulzbach
Ursula C. Sulzbach
Senior Revenue Analyst

UCS/wt
Attachment

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

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

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

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. 06535
2. NAME OF OPERATOR Hallwood Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 378111 Denver, CO 80237		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NW NW 736' FNL & 1098' FWL		8. FARM OR LEASE NAME Hogle USA
14. PERMIT NO. 43-019 30507		9. WELL NO. 14-4
15. ELEVATIONS (Show whether OF, ST, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Bryson
		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA Sec. 14-T17S-R24E
		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"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

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
DIVISION OF
OIL, GAS & MINING

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

SIGNED _____ 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. 216
MAR - 8 1991

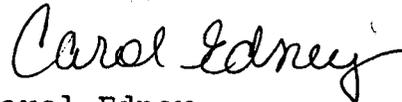
Re: Utah A/C #N9477

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 API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
WESTBIT U 1 4301915047 05215 16S 25E 10	WSTC ✓		U-05010	*	
WESTBIT 2 4301915048 05220 16S 25E 9	WSTC ✓		U-05010		
FEDERAL 6-14 4301930462 06525 17S 25E 6	DKTA ✓		U-38842		
HOGLE USA 14-4 4301930507 06535 17S 24E 14	DK-MR ✓		SL-071172		
FEDERAL 6-7 4301930516 06540 17S 25E 6	DKTA ✓		U-38842		
STATE 2-14 4301930571 06560 17S 24E 2	CDMTN ✓		ML-27489		
STATE 2-7 4301930604 06565 17S 24E 2	DKTA ✓		ML-37489	*	
STATE 36-14 4301930605 06570 16S 24E 36	DKTA ✓		ML-33908	*	
REINAUER 1-5 4301930697 06575 17S 24E 1	DKTA ✓		U-38838A	*	
HOGLE 11-12L 1 4301930701 06580 17S 24E 11	DKTA ✓		SL-071172	*	
EDWARDS USA 12-2 4301930702 06585 17S 24E 12	DKTA ✓		U-38030		
CALVINCO 31-12 4301930704 06595 16S 25E 31	DKTA ✓		U-13031		(910904 Still Quinoco CR92 "C.A.")
REINAUER 1-14 4301930733 06600 17S 24E 1	DKTA ✓		U-38838A	*	
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.*

1- LCR	<i>for</i>
2- DTS	
3- VLC	<i>✓</i>
4- RJF	<i>✓</i>
5- RWM	<i>✓</i>
6- LCB	<i>for</i>

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) 850-6322</u>		phone <u>(303) 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

- See* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- See* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(same)*
- See* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes)/no ____ If yes, show company file number: #110236.
- 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. *(9-6-91)*
- See* 6. Cardex file has been updated for each well listed above. *(9-6-91)*
- See* 7. Well file labels have been updated for each well listed above. *(9-6-91)*
- See* 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)*
- 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

- 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.

BOND VERIFICATION (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____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
12-71 notification sent to Ed Danner 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 Btm/MOAB Confirmed change of operator "merger" from Quinceo to Hallwood. All wells except for 43-019-30704 / Calvino 31-12 "CR92 C.A." which is still considered Quinceo.



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 (CR-176)

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 Cimex 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 84145-0155

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)

uj ETK

LIST OF AFFECTED LEASES

U-10152-A
U-13371
U-13666
U-17455
U-25189
U-29641

U-30301
U-38030 -✓
U-38033 -✓
U-38842 -✓
U-39254
U-41374
U-62844

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

SUBMIT TRIPPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

<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>14. PERMIT NO.</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 SURVEY OR AREA</p> <p>12. COUNTY OR PARISH 13. STATE</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"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

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 43-019-30571	N/A - Sec. 2, T17S, R24E	06560
- Edwards 12-2 43-019-30702	UTU38030 Sec. 2, T17S, R. 24E	06585
- Federal 6-7 43-019-30516	UTU38842 Sec. 6, T. 17S, R 25E	06540
- Federal 6-14 43-019-30462	UTU38842 Sec. 6, T17S, R25E	06525
- Federal 7-4 43-019-30517	UTU38033 Sec. 7, T. 17S, R25E	06550
- Hogle USA 14-4 43-019-30507	UTSL071172 Sec. 14, T. 17S, R24E	06535
- State 16-4 43-019-30433	N/A Sec. 16, T. 16S, R 26E	06620
- Tenneco USA 12-9 43-019-30748	U41374 Sec. 12, T17S, 24E	06605
- Wesbit 2 43-019-15048	UTU17942 Sec. 9, T16S, R 25E	05220
- Wintercamp 7-14 43-019-30773	UTU38033 Sec. 7, T. 17S, R 25E	06610

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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:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Budget Bureau No. 1004-1
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
UTSE 071172
6. IF 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 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

14. PERMIT NO. 47-019-30507 15. ELEVATIONS (Show whether DF, RT, CR, etc.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hogle USA

9. WELL NO.
14-4

10. FIELD AND POOL, OR WILDCAT
Bryson

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Section 14 T17S R24E

12. COUNTY OR PARISH 13. STATE
Grand 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"/>	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"/>	

(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

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DIVISION OF
OIL GAS & MINING

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

SIGNED Debi Shultz 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 TRIPLICATE
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Lone Mountain Production Company

3. ADDRESS OF OPERATOR
P. O. Box 3394, 404 Petroleum Building, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
736' FNL, 1098' FWL, Sec. 14

14. PERMIT NO. **43-019-30507**

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6452 GL

5. LEASE DESIGNATION AND SERIAL NO.
SL-071172

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Hogle No. 14-4

10. FIELD AND POOL, OR WILDCAT
Bryson Canyon

11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA
NW NW Sec. 14: T17S-R24E

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"/>	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) <input type="checkbox"/>	

(Other) **change of operator**

(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.)*

Lone Mountain Production Company will become operator of the above referenced well effective August 1, 1992. The well was formerly operated by Hallwood Petroleum.

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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

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

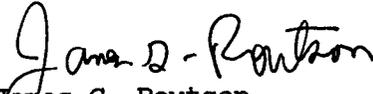
Re: Change of Operator
Sundry Notices
Grand County, Utah

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

- CP 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.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 8-27-92 1992. If yes, division response was made by letter dated 8-27-92 1992.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8-27-92 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases. 8-27-92 to Ed Bonner

MICROFILMING

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

FILED

- CP 1. Copies of all attachments to this form have been filed in each well file.
- CP 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.

②

MDO WELLS AND LEASES LISTED BY OPERATOR 07/17/92 (OPINV)

H_OPERATOR

WFI_IN_ITEM	W_WELL_NO	W_WELL_STAT	W_TOWNSHIP	W_RANGE	W_SECTION	W_QTR_QTR	W_API_WEL_NO
NORTHSTAR GAS COMPANY INC							
UTSL071172*NGC	11-12	GSI	17S	24E	11	NWSW	430193070100S1
	*14-4	PGW	17S	24E	14	NWNW	430193050700S1

Lake Mountain Production Company eff. 8/1/92

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DIVISION OF
OIL GAS & MINING

43019307010

CR94	14-2	GSI	16S	25E	14	NWNE	430193054100S1
CR222	4-12	PGW	17S	24E	4	NWSE	430193052200S1
891020386A	11-11	POW	38S	25E	11	NWNW	430373090300S1
		POW	38S	25E	3	NWNW	430373081700S1