

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 2030' FSL, 2140' FEL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 36 miles Northwest of Mack, Colorado

13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)
 610'

16. NO. OF ACRES IN LEASE
 960

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 5800 Morrison

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6145' G.L., 6156' K.B.

22. APPROX. DATE WORK WILL START*
 August 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#	1600'	150 sacks
6 1/4"	4 1/2" new	K-55 10.5#	5800'	250 sacks

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Frontier - 4737', Dakota - 5126', Morrison - 5316'.
- 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 Robert D Ballantyne TITLE Drilling Superintendent DATE July 9, 1979
Robert D. Ballantyne

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

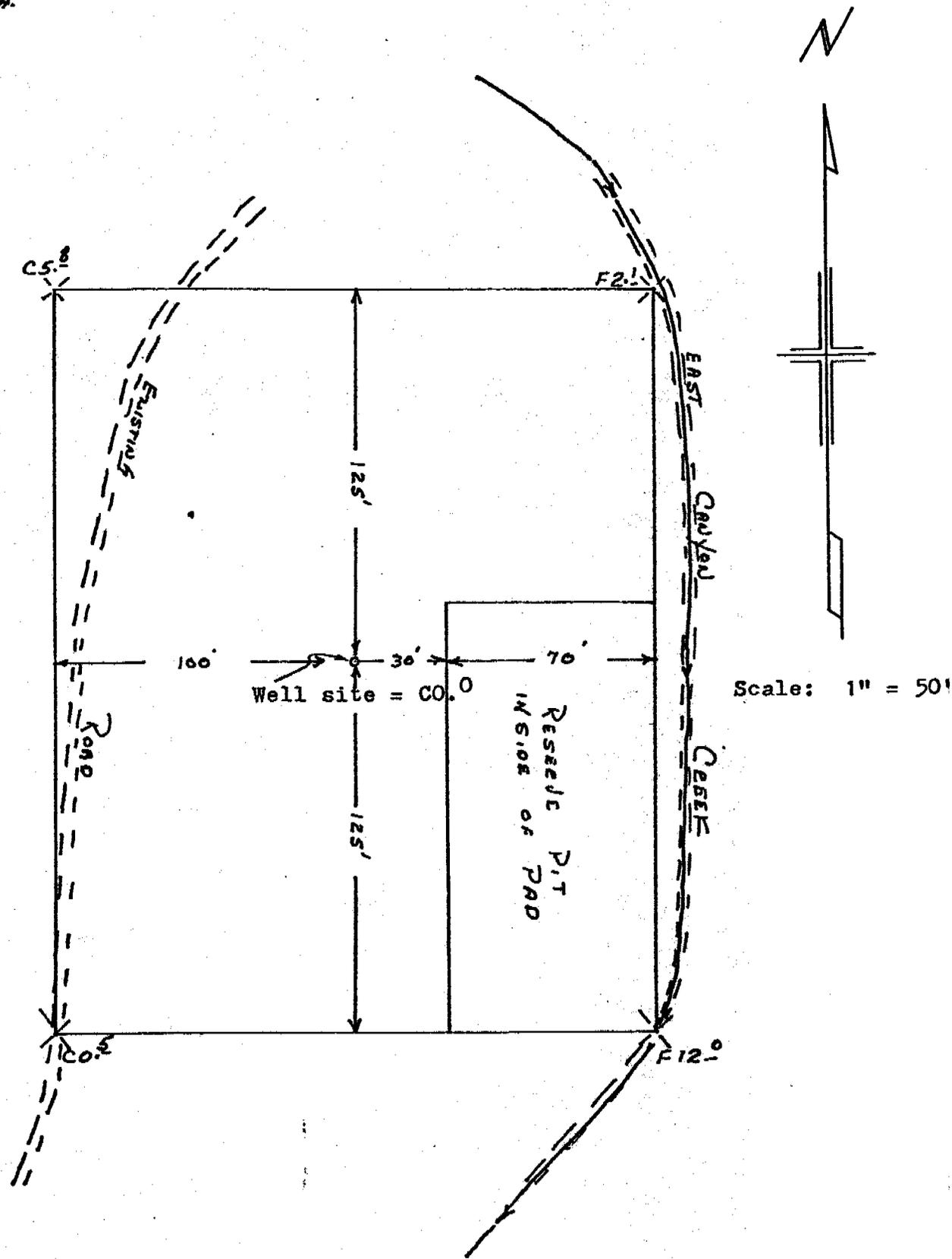
LOCATION MOVED ON SONDRY NOTICE DATED 9/14/79

APPLICATION FOR PERMIT TO DRILL (Con't.)

10. Anticipated spud date is August 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 East half of Section 35.
14. Designation of Operator will be forwarded.
15. The SE $\frac{1}{4}$ will be communitized with NE $\frac{1}{4}$ of Section 35 - Lease No. 24619.

PALMER OIL & GAS Co
35-10 FEDERAL
2285' S 5° 22' 28" E 35-16 S 24° E
GRAND County, UTAH.

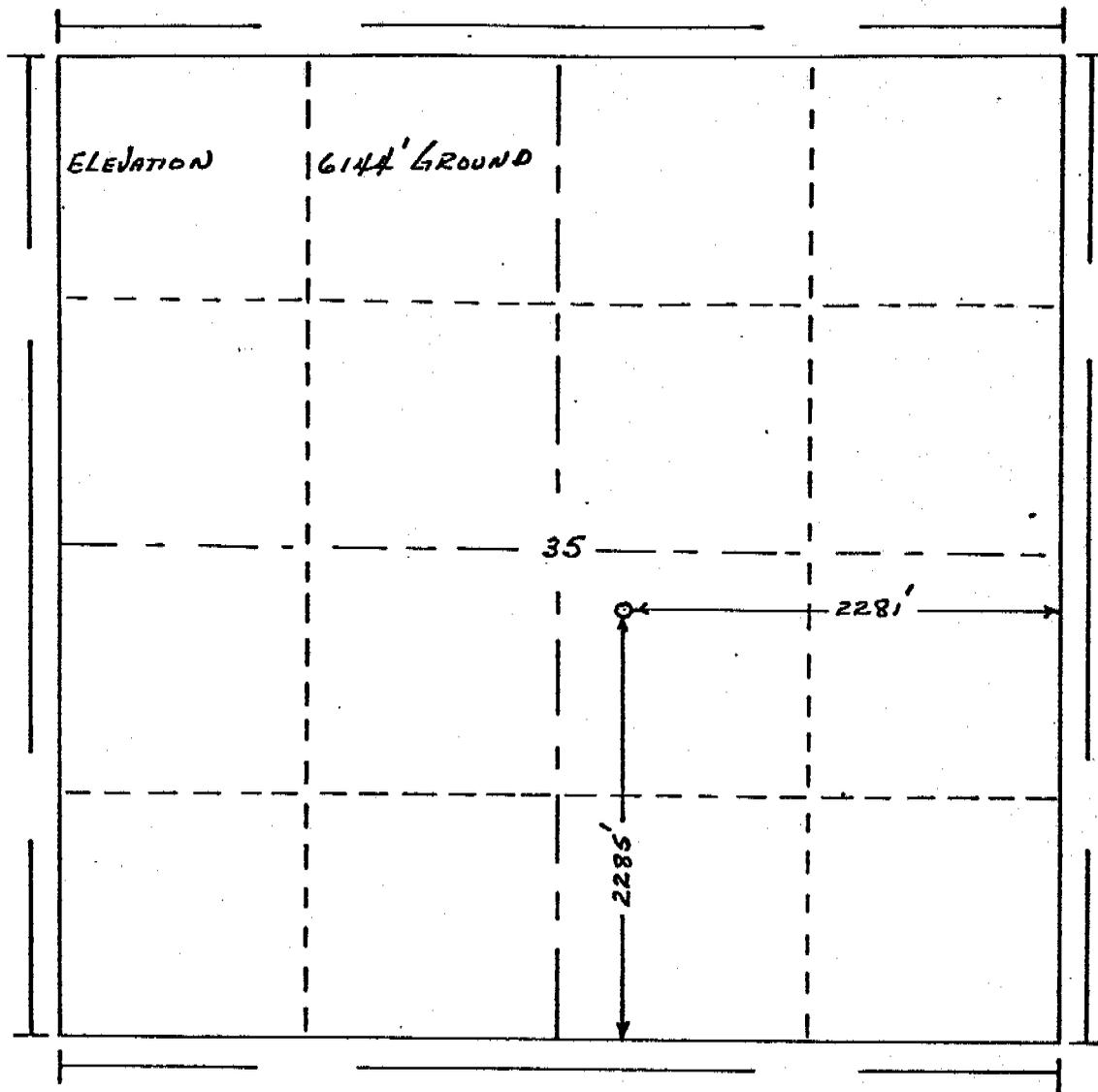
TOPOGRAPHIC MAP



by: LEONARD CHEISMAN
Powers Elevation Company, Inc.
9-7-79



R. 24.E



T. 16 S.

Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado has in accordance with a request from *BOB BALYNTINE* for *PALMER OIL & GAS COMPANY* determined the location of #35-10 FEDERAL to be 2285' FS & 2281' FE Section 35 Township 16 S. Range 24 E OF THE SALT LAKE PRINCIPAL Meridian GRAND County, UTAH

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

Date: 9-7-79

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

COPY



PALMER OIL & GAS COMPANY

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

July 9, 1979

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

Gentlemen:

Enclosed please find an Application For Permit To Drill covering our No. 35-10 Federal well in Grand County, Utah.

Sincerely,

PALMER OIL & GAS COMPANY

Donna Nyby
Drilling Department

dln

Enclosures

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



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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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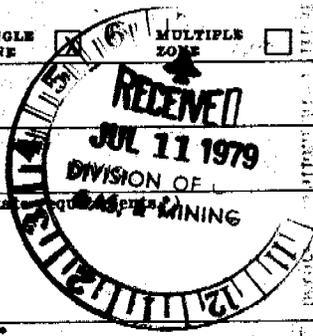
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24. SIGNED Robert D Ballantyne TITLE Drilling Superintendent DATE July 9, 1979
Robert D. Ballantyne

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

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



5. LEASE DESIGNATION AND SERIAL NO.
 USA U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal No. 35-10

10. FIELD AND POOL, OR WILDCAT
 Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 NW 1/4 SE 1/4
 35-T16S-R24E

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

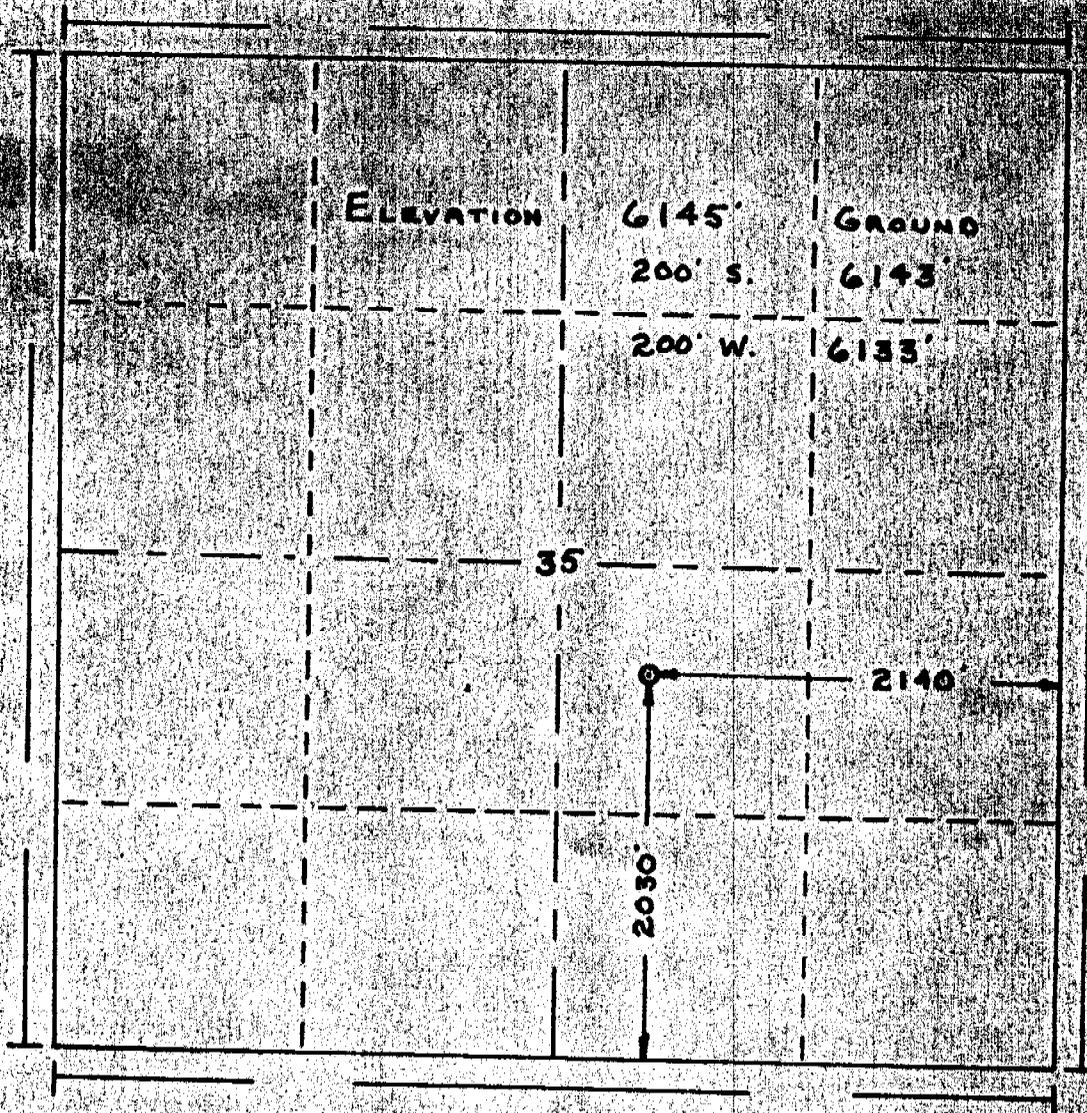
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PLAT NO. 1

R. 24 E.



T.
16
S.

Scale... 1" = 1000'

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 has in accordance with a request from BOB BALLANTYNE
 for PALMER OIL AND GAS COMPANY
 determined the location of #35-10 FEDERAL
 to be 2030' FS & 2140' FE Section 35 Township 16 S.
 Range 24 E. OF THE SALT LAKE Meridian
 GRAND County, UTAH

I hereby certify that this plat is an
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 #35-10 FEDERAL

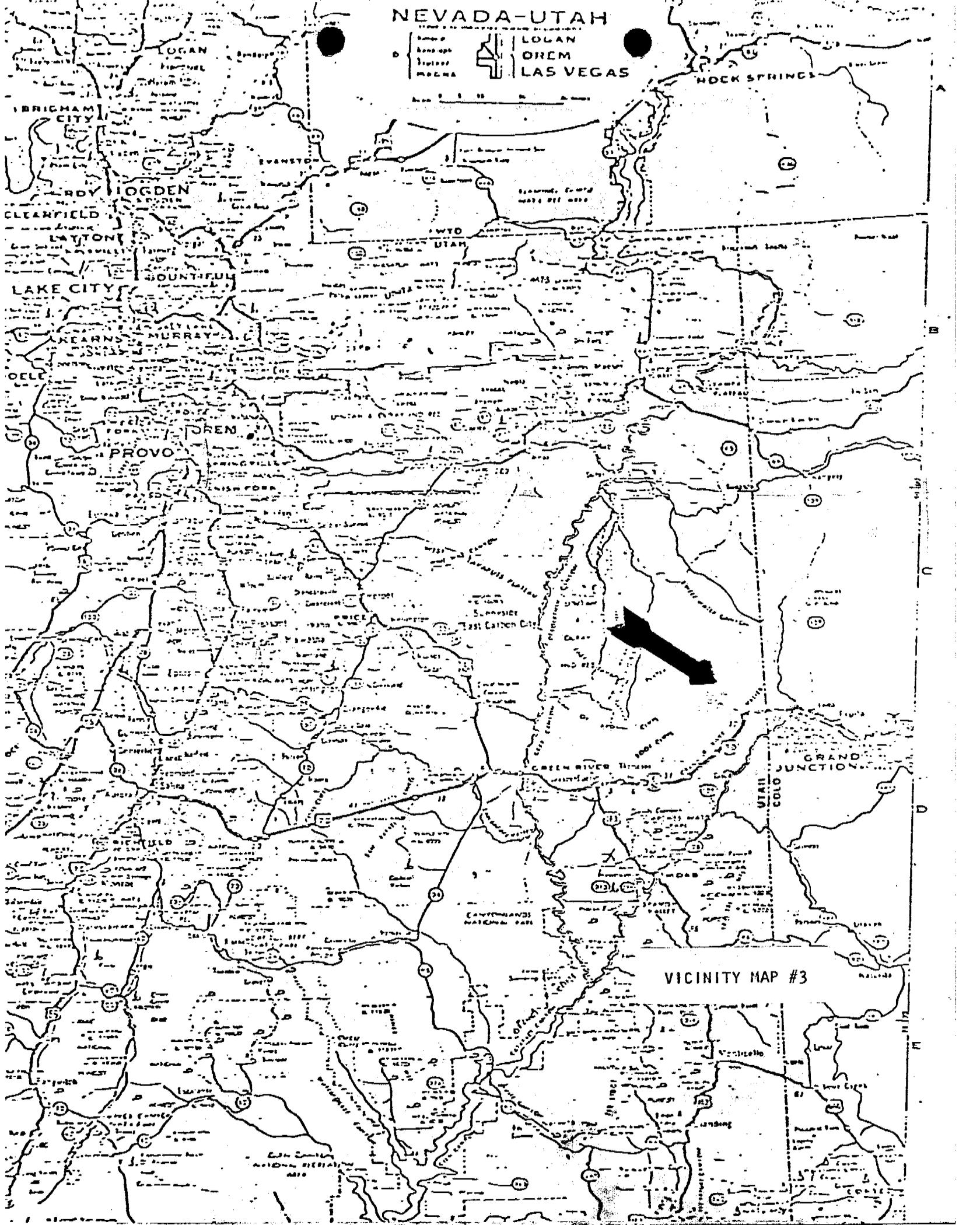
Date: 6-4-79

T. Nelson
 Licensed Land Surveyor No 2711
 State of UTAH

NEVADA-UTAH



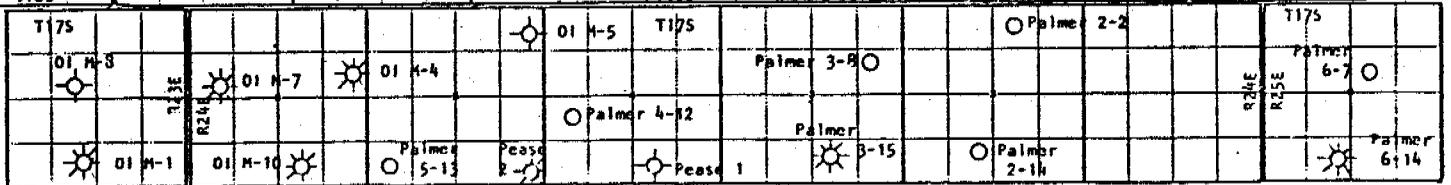
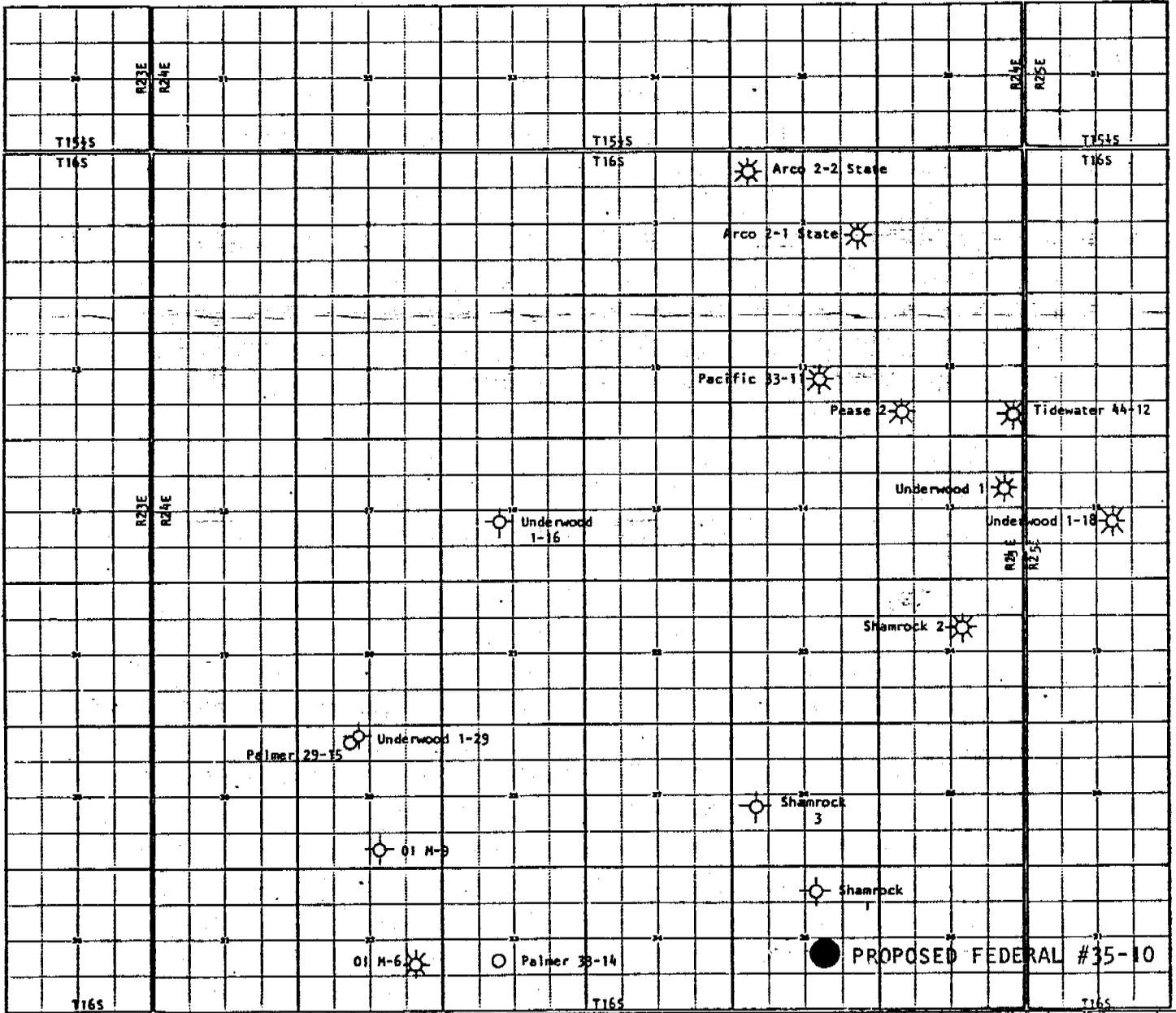
LOLAN
OREM
LAS VEGAS



VICINITY MAP #3

WELL MAP NO. 2

Township 16 South, Range 24 East, County Grand, State Utah



TWELVE POINT PLAN OF DEVELOPMENT
FOR SURFACE USE FOR PALMER OIL FEDERAL #35-10
NW1/4 Section 35-T16S-R24E
Grand County, Utah

1. Existing Roads

- A. Proposed wellsite: Survey plat enclosed.
- B. Location is approximately 20 miles North of Highway 6 & 50 on the East 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. The location is adjacent to the East Canyon Road, with access of 500' off the East side of existing road required.

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

5. Location and Type of Water Supply

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

6. Source of Construction Materials

- A. No construction materials are to be used.

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

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 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 three cross sections are shown on the bottom of the plat.
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 started.
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 East 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 archaeological study has been done by Powers Elevation Company of Eagle, Colorado, under BLM Permit No. U-060.

12. Lessee's or operator's representative

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

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

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

Home Phone (303) 858-7377
Mobile Phone (303) 245-3660 Unit #289

TWELVE POINT PLAN OF DEVELOPMENT (Con't)

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: July 9, 1979

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

TOPOGRAPHIC MAP

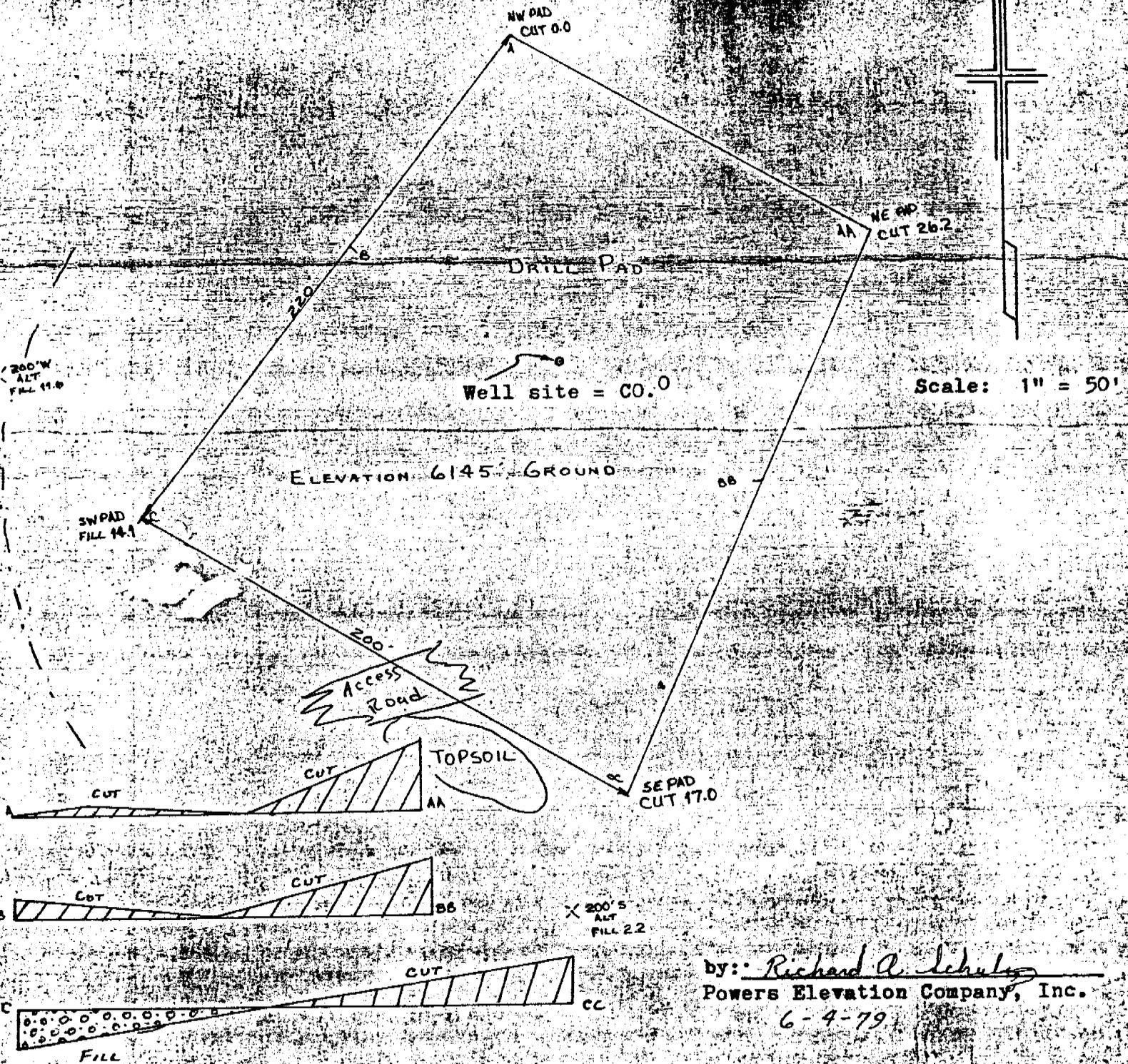
ELMER OIL & GAS CO.

35-10 FEDERAL

2030' FS & 2140 FE SEC. 35 T16S R24E

GRAND COUNTY, UTAH

PLAT NO. 2

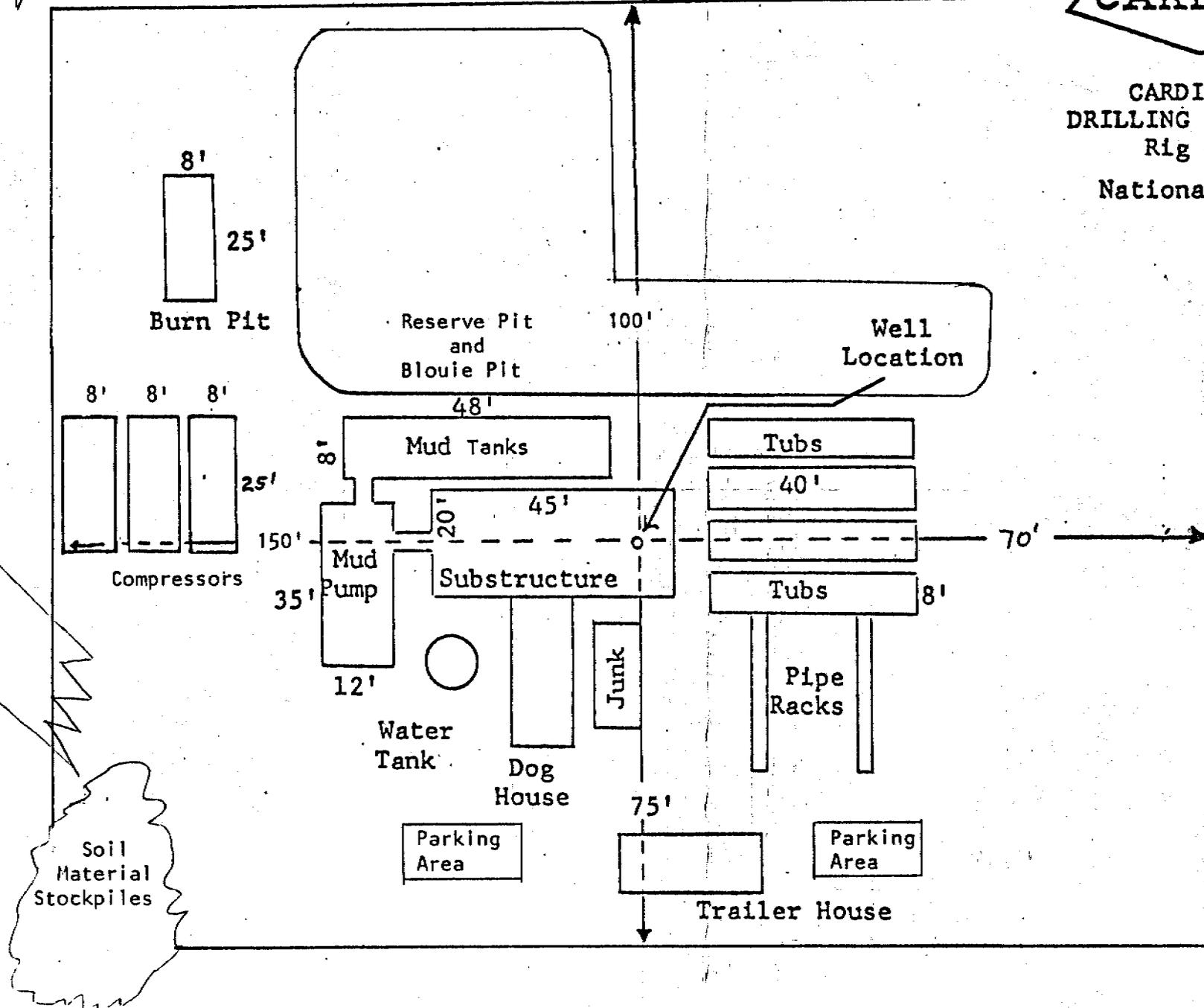
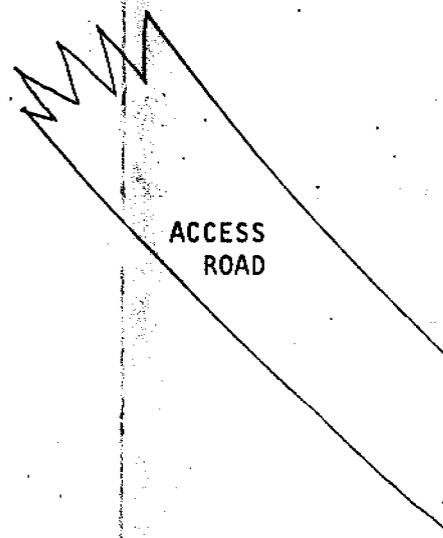


Scale: 1" = 50'

by: Richard A. Schultz
Powers Elevation Company, Inc.
6-4-79



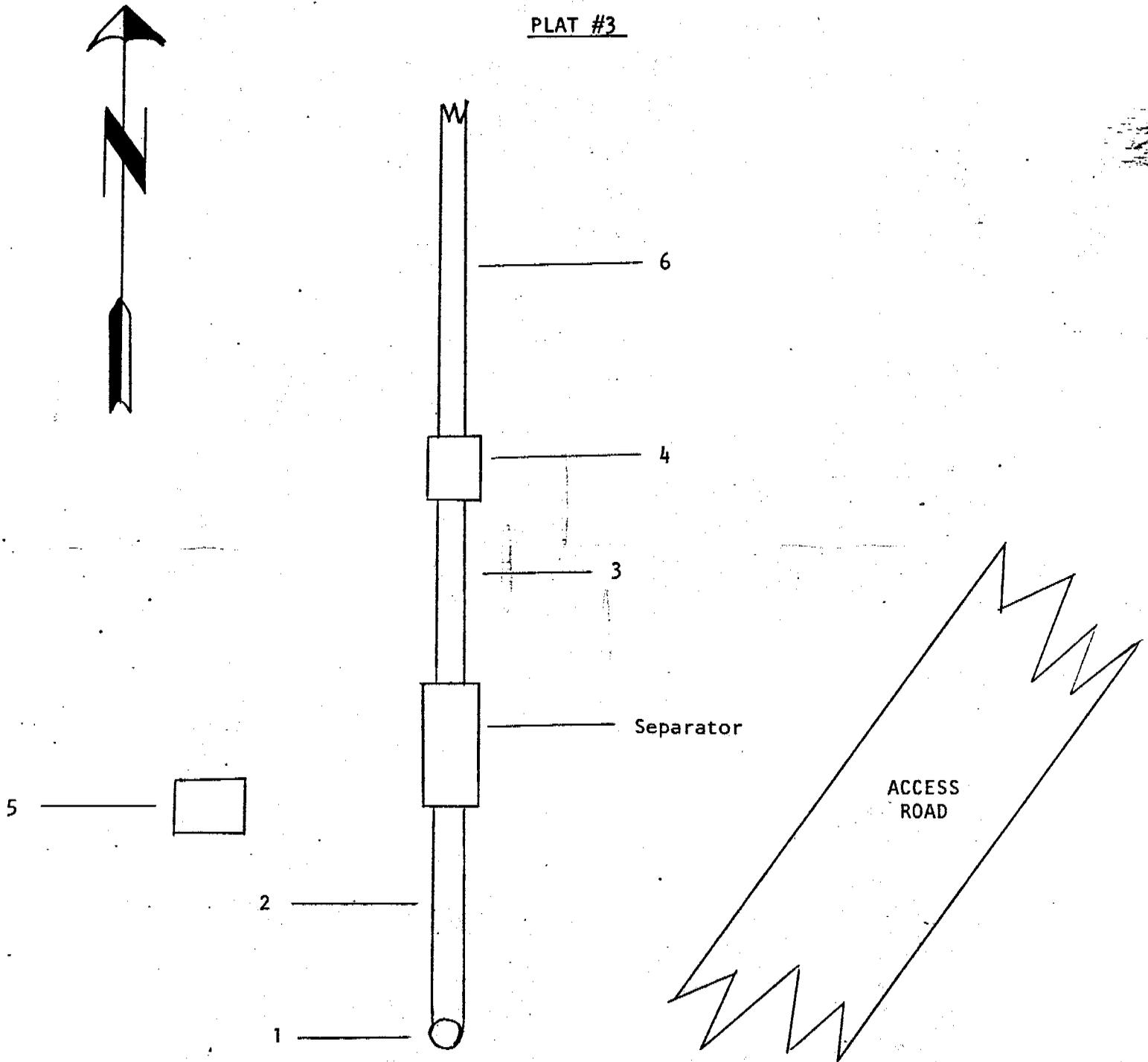
CARDINAL
DRILLING COMPANY
Rig #4
National T-32



PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

PLAT #3



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

WELL CONTROL PLAN

1. Surface Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C; set at 1600' 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 5800' or a gradient of .2 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

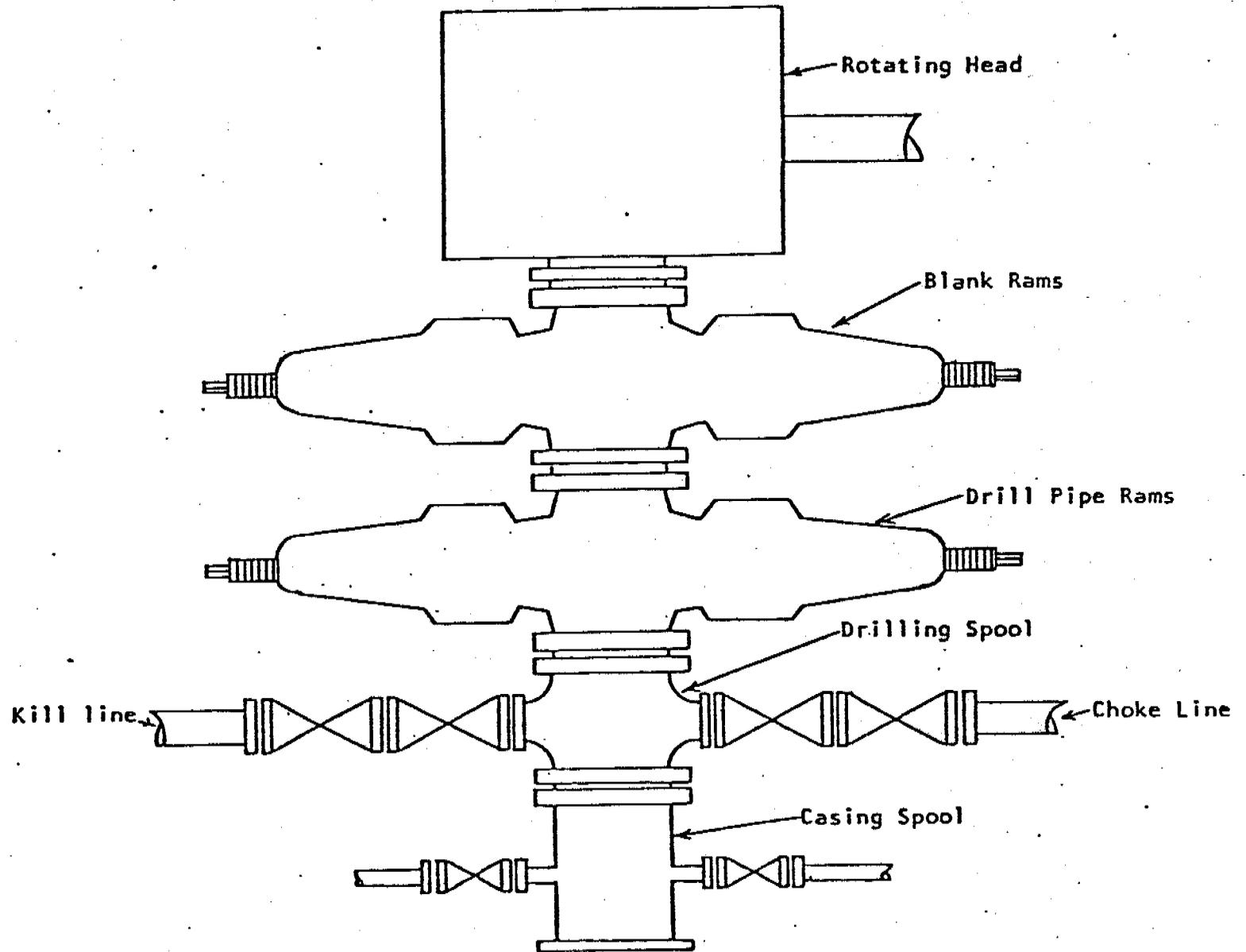
PALMER OIL & GAS COMPANY

R.D. Ballantyne

AIR DRILLED WELLS
using

900 series well head equipment

Interval from 1600 to TD



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: July 11, 1979
Operator: Palmer Oil & Gas Company
Well No: Federal 35-10
Location: Sec. 35 T. 16S R. 24E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:
API Number: 43-019-30538

CHECKED BY:

Administrative Assistant: _____

Remarks:

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

Remarks: Stand-up on topdown 320 ac.

Director: Z

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. 165-4 June 26, 1979 Surface Casing Change
to _____

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

O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written/Approved
Utne

#3

300

9/13/79

The BLM has moved this location again - New forms to follow

August 16, 1979

Palmer Oil and Gas Company
PO Box 2564
Billings, Montana 59103

Re: Well No. Federal 35-10
Sec. 35, T. 16 S, R. 24 E,
Grand County, Utah

Dear Sir:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 165-4 dated June 26, 1979.

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

FRANK M. HAMNER - Chief Petroleum Engineer
Home: 531-7827
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 RPI number assigned to this well is 43-019-30538.

Sincerely,

DIVISION OF OIL, GAS AND MINING

FRANK M. HAMNER
CHIEF PETROLEUM ENGINEER

/btm
Enc.

cc

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Palmer Oil & Gas Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2285' FSL, 2281' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
35-T16S-R24E NW/4SE1

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30538

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6145' GL, 6156' KB

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Location Move

SUBSEQUENT REPORT OF:

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

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

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

The location was moved 385' to the SW following an agreement made after the onsite inspection was made.

Enclosed are new survey plats, wellsite diagram, cut and fill diagram, cross sections, and rig orientation plat.

If at all possible the pit will be kept 30' from the Wash.

Please also be advised that we would like to drill this well by October 15, 1979, and therefore immediate approval is requested.

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

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

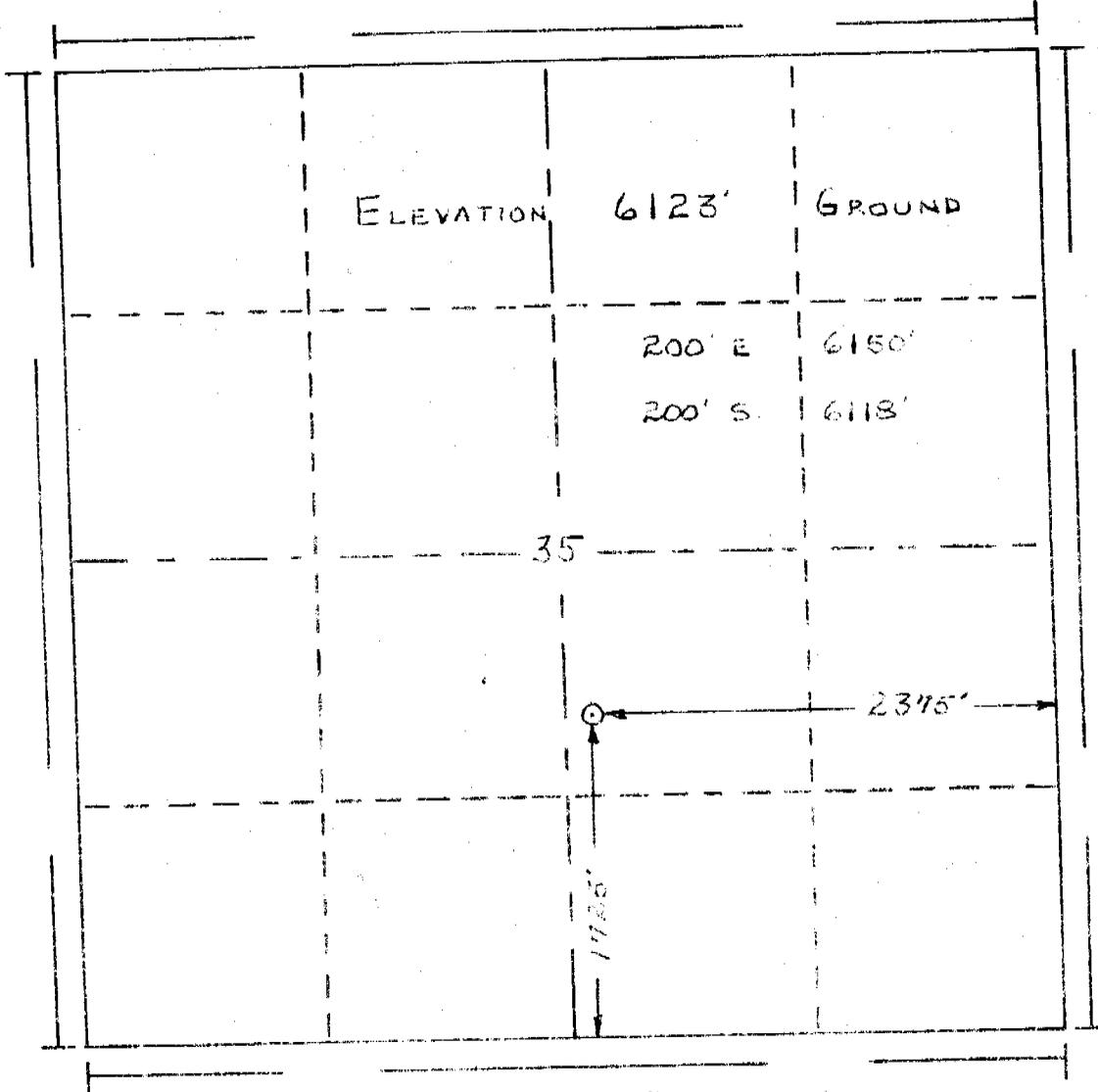
SIGNED Grace E. Brown TITLE Asst. Secretary DATE August 23, 1979

(This space for Federal or State office use)

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



R. 24 E



T.
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 for PALMER OIL AND GAS COMPANY
 determined the location of #35-10 FEDERAL
 to be 1725 FS $\frac{1}{2}$ 2375 FE Section 35 Township 16 S.
 Range 24 E OF THE SALT LAKE Meridian
 GRAND County, UTAH

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 #35-10 FEDERAL

Date: 8-20-79

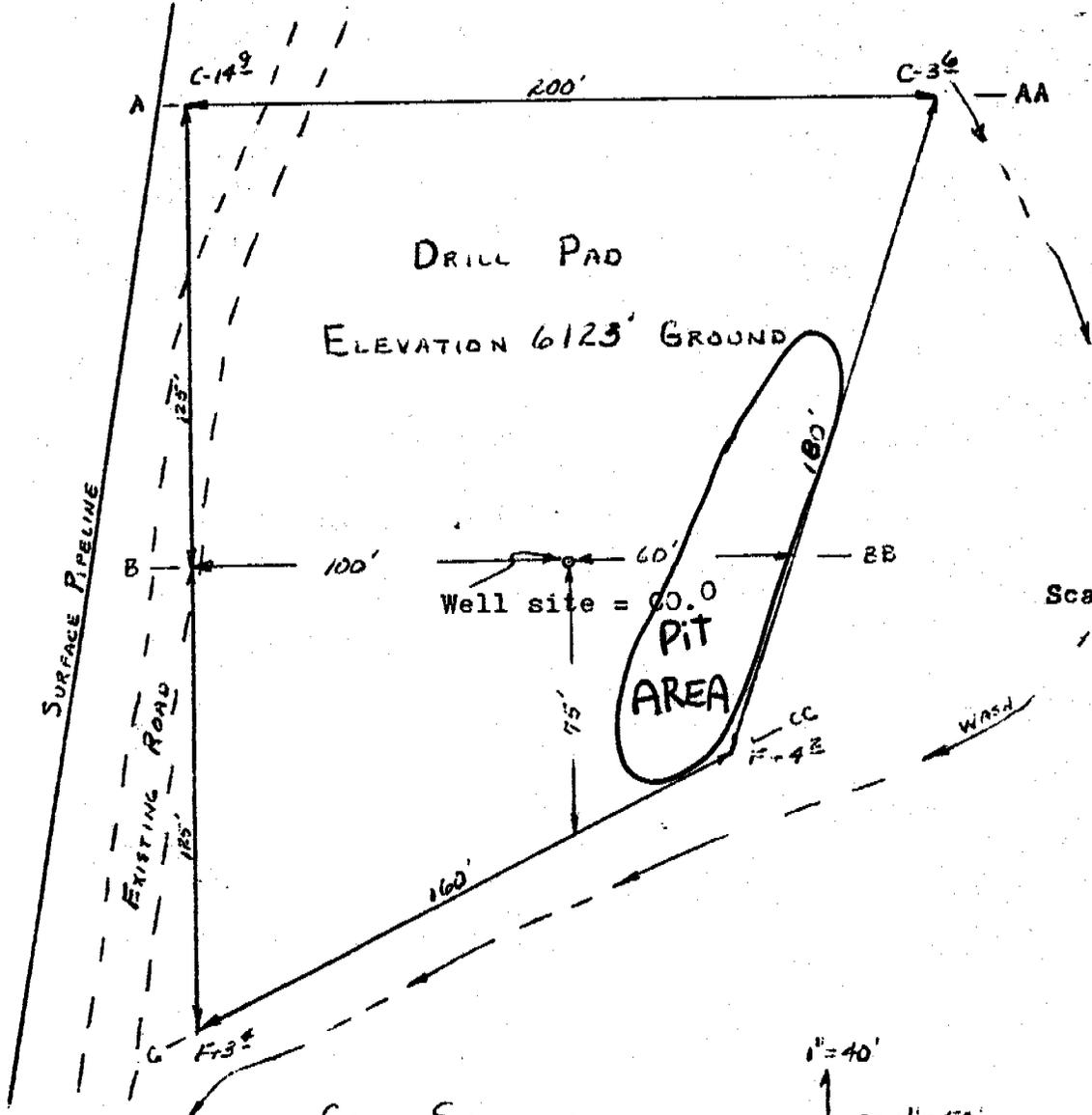
J. Nelson
 Licensed Land Surveyor No. 2711
 State of UTAH

TOPOGRAPHIC MAP

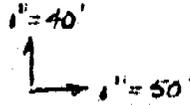
PALMER OIL AND GAS Co.

*35-10 FEDERAL.

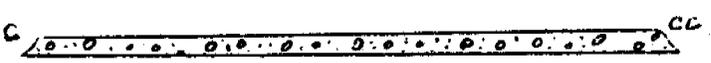
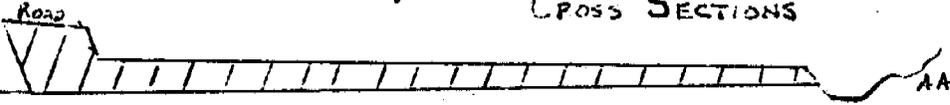
1725' PS & 2375 FE SEC. 35 T.16S R2+E
GRAND COUNTY, UTAH



Scale: 1" = 50'



CROSS SECTIONS



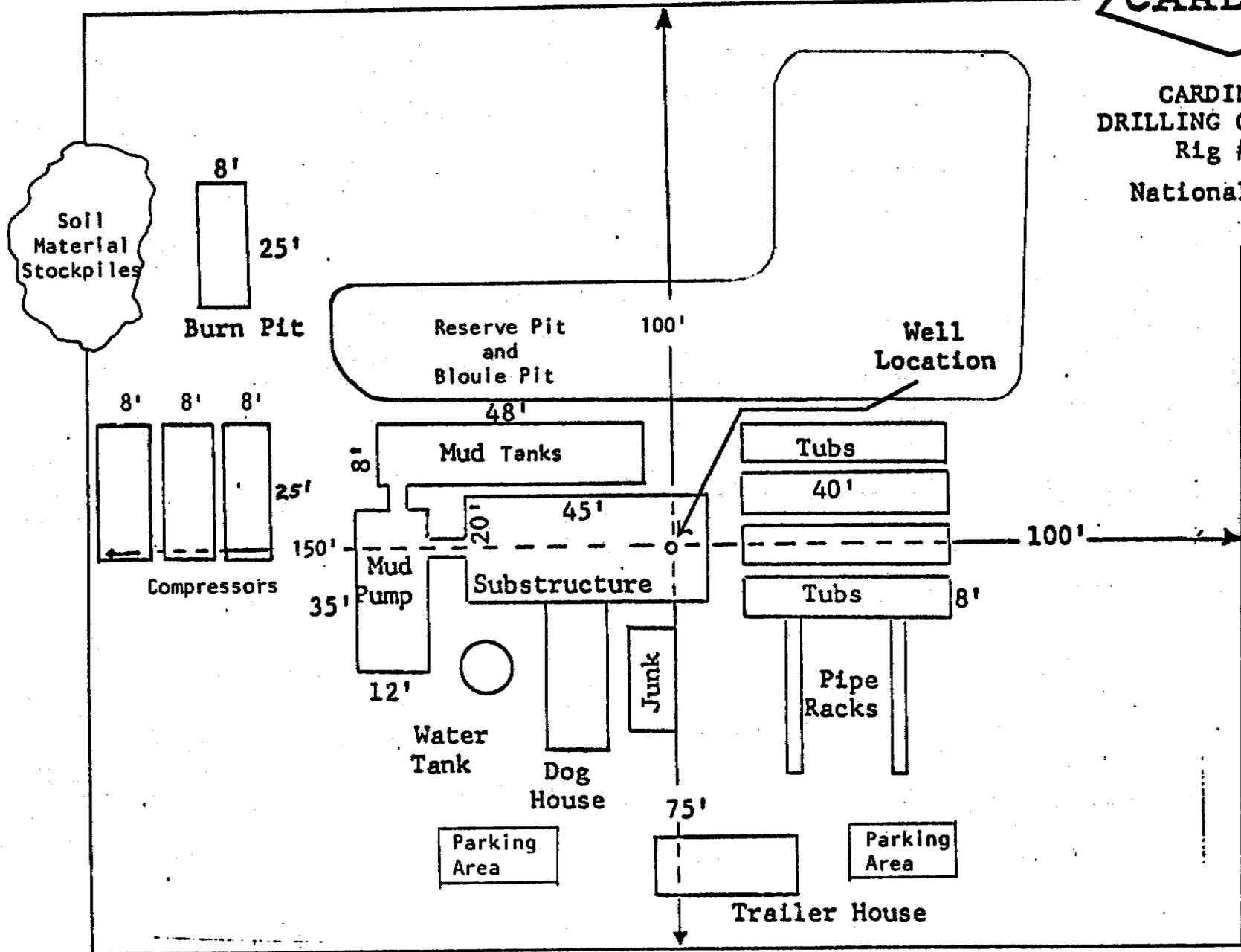
200'S
F+4E

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

8-20-79



CARDINAL
 DRILLING COMPANY
 Rig #4
 National T-32



PLAN OF DRILLSITE LAYOUT

PLAT NO. 2-A

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Palmer Oil & Gas Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2285' FSL, 2281' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA - U-0113

6. IF INDIAN, ALLOTTEE OR RIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., OR BLK. AND SURVEY OR AREA
NW 1/4 Sec 35-10S

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-3058

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6144' 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) <input type="checkbox"/>	Move Location <input type="checkbox"/>

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

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

Location moved to 2285' FSL and 2281' FEL to comply with BLM recommendations.

Survey plat is enclosed.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE 9/14/79

already done & processed
Chas B Feight

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Grace E. Brown TITLE Assistant Secretary DATE September 12 1979

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Palmer Oil & Gas Company - Tenneco Oil Co

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2285' FSL, 2281' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE
USA - U 10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
NW 1/4 Sec 35-10S 24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-305988

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6144' GL

(NOTE: Report results on 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.)*

2316 2302 NWSE
Location moved to 2285' FSL and 2281' FEL to comply with BLM recommendations.
Survey plat is enclosed.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE 10/15/79
BY: Clara B. Knight Director

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

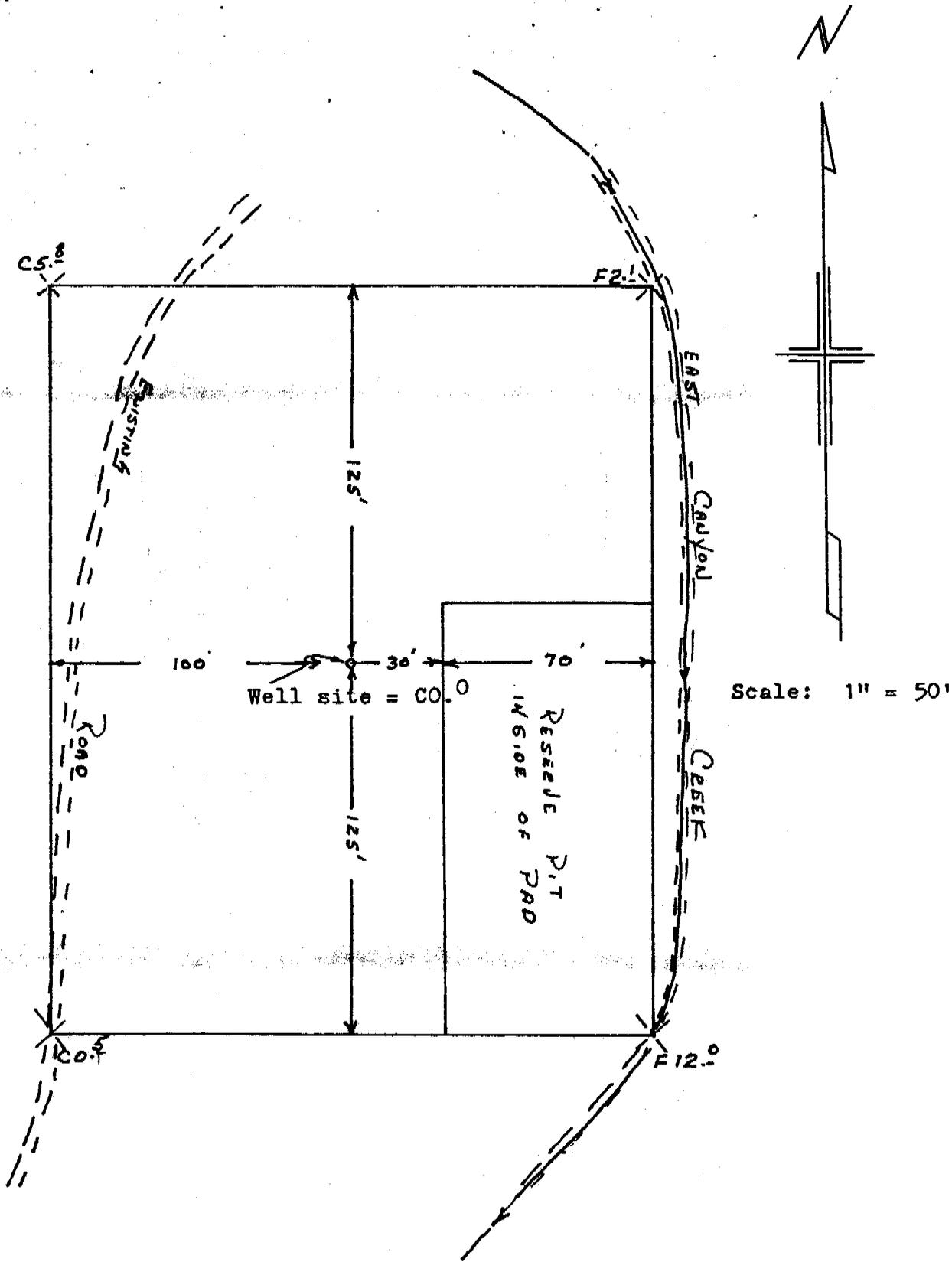
SIGNED Grace E. Brown TITLE Assistant Secretary DATE September 12 1979

(This space for Federal or State office use)

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

ALMER OIL & GAS Co
35-10 FEDERAL
85°56'22.81"E 35-16-24E
KANE County, UTAH

TOPOGRAPHIC MAP



by: LEONARD CHRISMAN
Powers Elevation Company, Inc.
9-7-79

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Palmer Oil & Gas Company

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2285' FSL, 2281' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. L. USA - U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
NW 1/4 Sec. 35-16S-24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30538

15. ELEVATIONS (SHOW DEPTH AND WD)
6144' 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>Move Location</u>			

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

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

43-019-30538

Location moved to 2285' FSL and 2281' FEL to comply with BLM recommendations.
Survey plat is enclosed.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Oct 9, 79
BY: Grant M. Hammer

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 September 12, 1979
Grace E. Brown

(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 5, 1979

Mr. Cleon B. Freight
Oil, Gas & Mining Division
1588 West North Temple
Salt Lake City, UT 84116

RE: Permission to drill
Unorthodox Location
Federal #35-10
Grand County, Utah

Dear Mr. Freight:

Enclosed is a copy of Palmer Oil Company's (now owned by Tenneco Oil Company) original Application to Drill the above well. The attached Sundry Notice was necessary to comply with BLM & U.S.G.S. recommendation to move the location due to topographical reasons. The survey plat and well site plat cover the new location.

The new location does not comply with Utah State Regulations. We are requesting administrative approval to drill this unorthodox location. The unit will be in a stand up position. Drilling of this well will earn Tenneco additional acreage in Section 35, 26, 23, NE quarter 22, NE quarter 9.

Your prompt approval of this request will be appreciated as we have a spud date of October 15, 1979.

Yours very truly,

TENNECO OIL COMPANY

A handwritten signature in cursive script, appearing to read "J. D. Traywick".

J. D. Traywick
Administration Supervisor

JDT/gh

Enclosure

cc: Well File

duplicate

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

5. LEASE DESIGNATION AND SERIAL NO.
USA U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Federal No. 35-10

10. FIELD AND POOL, OR WILDCAT
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW 1/4 SE 1/4
35-T16S-R24E

12. COUNTY OR PARISH
Grand

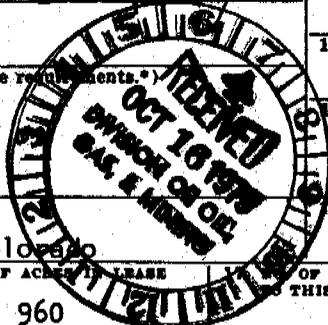
13. STATE
Utah

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

2. NAME OF OPERATOR
Palmer Oil & Gas Company - Tenneco Oil 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 regulations.)
 At surface: 2030' FSL, 2140' FEL
 At proposed prod. zone: 2306' 2302'
 Same



14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 36 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) 610'

16. NO. OF ACRES IN LEASE 960
 OF ACRES ASSIGNED THIS WELL 160

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

19. PROPOSED DEPTH 5800 Morrison
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6145' G.L., 6156' K.B.

22. APPROX. DATE WORK WILL START* August 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#	1600'	150 sacks
6 1/4"	4 1/2" new	K-55 10.5#	5800'	250 sacks

- Surface formation is the Mesaverde.
- Anticipated geologic markers are: Frontier - 4737', Dakota - 5126', Morrison - 5316'.
- 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 Robert D. Ballantyne TITLE Drilling Superintendent DATE July 9, 1979
Robert D. Ballantyne

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE OCT 15 1979
 CONDITIONS OF APPROVAL, IF ANY:

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

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

NOTICE OF APPROVAL

Ut. O&G

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. USA U-10152

OPERATOR: Teneco Oil Company
Patent Oil and Gas

WELL NO. Fed # 35-10

LOCATION: 1/4 NW 1/4 SE 1/4 sec. 35, T. 16S, R. 24E, SLPM

Grand County, Utah

1. Stratigraphy:
- | | |
|--------------------------|---------|
| Tusher fm. of Mesa Verde | surface |
| Castlegate | 1600' |
| Manees | |
| Emerg | 1850 |
| Manees | 2150 |
| Frontier | 2550 |
| Dakota | 4730 |
| Bears Canyon | 5150 |
| Morrison | 5300 |
| T.O. | 5400 |
| | 5800 |

2. Fresh Water:

Possible fresh water in Mesa Verde

3. Leasable Minerals: Coal in Mesa Verde

4. Additional Logs Needed: A gamma log should be run behind the surface casing if coal is present. A log of cuttings should be taken every 10' for coal units.

5. Potential Geologic Hazards: None expected.

6. References and Remarks: P.I. cards, old NIPs, I-730

Signature: Wendy Knapton

Date: 8-1-79

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

Usual Environmental Analysis

Lease No. U-10152
Operator Tenneco Palmer Oil & Gas Company Well No. 35-10
Location 2306 2302 2285' FSL 2281' FEL Sec. 35 T. 16S R. 24E

County Grand State Utah Field Bryson Canyon

Status: Surface Ownership Public Minerals Federal

Joint Field Inspection Date August 24, 1979; September 5 and 24, 1979; conference call 9/27/79

Participants and Organizations:

<u>Don Trawick</u>	<u>Tenneco</u>
<u>Bill Buniger</u>	<u>Dirt Contractor (Operator's Rep.)</u>
<u>Bob Kershaw</u>	<u>Bureau of Land Management</u>
<u>Rocky Curnutt</u>	<u>Bureau of Land Management</u>
<u>John Evans</u>	<u>U. S. Geological Survey</u>
<u> </u>	<u> </u>

*Loc. v. d. to NW
Palmer
ph
205*

Related Environmental Analyses and References:

- (1) Book Mountain Unit Resource Analysis, Bureau of Land Management, Utah *pg 10*
- (2)

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

Date September 28, 1979

JE
NOTED JOHN T. EVANS, JR.

10-1-79

Proposed Action:

On July 11, 1979, and supplemented by Sundry Notice dated September 12, 1979, Palmer Oil & Gas Company filed an Application for Permit to Drill the No. 35-10 exploratory well, a 5800' gas test of the Morrison and Dakota Formations; located at an elevation of 6144' in the NW/4 SE/4, Sec. 35, T16S, R24E, on Federal mineral lands and Public surface; lease No. U-10152.

An objection was raised to original staked location of 2030' FSL and 2140' FEL. This location was staked in East Creek drainage and cut by two side drainages. The proposed access road would be required to cross East Creek. The proposed pad was too small, pits in drainage; therefore, an alternate location to the NW was recommended. An alternate site to the south was considered but given only minimum consideration as the operator's representative and Tenneco (who is purchasing Palmer) agreed to a location to the NW.

A telecon was received from Palmer asking if we had objections to staking the well to the south. The BLM and USGS advised the operator we had none if there was enough room at the southern location to accommodate activities and not severely impact wash, existing road and pipeline. On September 5, 1979, a second onsite was conducted in which it was found the location was too small to accommodate rig, pits would impact wash, place a 14' cut in existing road and encroach on a 8" gas line. The operator was advised to revise his plan to mitigate these impacts or select location to the north.

On September 12, 1979, a Sundry Notice requested a location to the north. The location was inspected by Bill Buniger, John Evans, and Bob Curshaw on September 24, 1979. This was an unscheduled inspection while we were in the area. On September 27, 1979, a conference call resolved conflicts with existing wash.

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 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 30' x 200'. Access would be from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flowline would be submitted to the appropriate agencies for approval.

The anticipated starting date is October 1979 and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 36 miles NW of Mack, Colorado, the nearest town. A dirt County Road runs to the location. This well is in the Bryson Canyon Field.

Topography:

The proposed location is in a narrow canyon cut by East Creek with cliff-like canyon walls to east and west.

Geology:

The surface geology is Mesa Verde. The soil is sands and gravels derived from weathered Mesa Verde Formation. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

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

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

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

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

Soils:

No detailed soil survey has been made of the project area. The topsoils in the area range from a sandy clay to a clay type soil. The soil is subject

to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present.

Topsoil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 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.

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.

The original proposed location proposed pits in wash and was cut by two side drainages; however, the alternate location to the NW minimizes the impacts to main wash and avoids side drainage problems.

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

Surface Water Hydrology:

The proposed location is in East Creek drainage area. Portions of drill pad would be subject to erosion during drilling; however, upon restoration of areas not needed for production, only minor erosion would be expected. This risk of flooding is judged to be low as thunderstorm season is past. 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 visible from a County Road. The uses of this road are primarily ranchers and oil and gas industry.

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 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.

An 8" Gas pipeline runs west of the location. No impact on this existing facility is expected.

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 and special, restrictive stipulations or modifications to the proposed program would reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Proposed Stipulations:

- new loc 2306' FSL
2302' FEL*
- 1) Location moved 30' NW, ^{from} 2285' FSL and 2281' FEL, to avoid impacting East Canyon Wash.
 - 2) Reserve pits to be constructed long and narrow (30' x 200').
 - 3) An undisturbed vegetative strip a minimum of 15' wide to be left between wash and drill pad to help stabilize erosion.
 - 4) Surface soil to be stockpiled on NW edge of location.
 - 5) BLM has requested to be notified a minimum of 24 hours before construction.

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 East Canyon Creek 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:

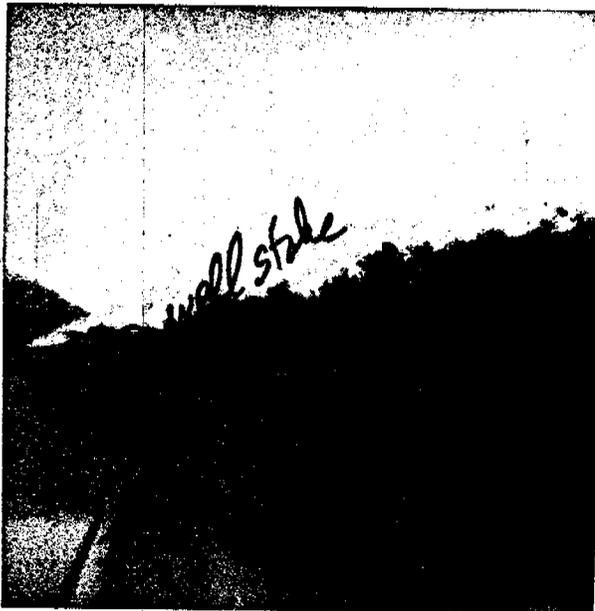
This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

10/12/79

E. W. Long

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



Palmer 35-10

9-24-79

KE

Tenneco Oil
A Tenneco Company

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



Kathy 7

October 23, 1979



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

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

Gentlemen:

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

Grand County, Utah

Township 16 South, Range 24 East

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

Township 16 South, Range 25 East

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

Township 16 South, Range 26 East

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

Township 17 South, Range 24 East

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

Section 4: Federal 4-12

Township 17 South, Range 25 East

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

Township 17 South, Range 26 East

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

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Tenneco Oil Company

WELL NAME: Federal #35-10

SECTION 35 NW SE TOWNSHIP 16S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR _____

RIG # _____

SPUDDED: DATE 10/27/79

TIME a.m.

How rotary

DRILLING WILL COMMENCE _____

REPORTED BY _____

TELEPHONE # _____

DATE December 29, 1979

SIGNED M. J. Menden

Well File Copy

SH

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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: 2285'FSL & 2281'FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
USA-U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35; T16S; R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6145'GL, 6156'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 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) Status Report:		Spud, Surface, Prod. csg.	

(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.)*
10/27/79

Spudded 12 1/4" hole on 10/27/79 and LD conductor pipe. Reduced hole to 8 3/4" and resumed drilling. On 10/31, landed 7" K-55 20# casing @ 1569'. Cmt. w/130 sxs RFC. 10-3. w/12 1/2#/sk coalite, and 1/4#/sk cellaflake. Followed by 200 sxs RFC 10-3, and 1/4#/sk cellaflake. Reduced hole to 6 1/4" and drilled to TD(5800) on 11/6. On 11/7, set 4 1/2" K-55 10.5# casing @ 5733'. Cmt. w/225 sxs RFC & 1/4#/sk D-29 WOC 12 hrs. NDBOP. Released rig 11/7. WOCU.

RECEIVED

DEC 17 1979

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

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

SIGNED Charles Statten TITLE Admin. Supervisor DATE 12/10/79

DIVISION OF
OIL, GAS & MINING

(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 instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

USA-U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

35-10

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

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

Sec. 35; T16S R24E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

1b. 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. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 2285 FSL, 2281' FEL **2306' FSL & 2302' FEL**
(Change 9/12/79)
At top prod. interval reported below
At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED 10/27/79 16. DATE T.D. REACHED 11/06/79 17. DATE COMPL. (Ready to prod.) 12/11/79 18. ELEVATIONS (DP, REB, RT, GR, ETC.)* 6145' GL, 6156' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5800 21. PLUG, BACK T.D., MD & TVD 5500 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS 0-TD CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5130 -5242 Dakota 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC, SNP, GR 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"	--	15	12 1/4	--	
7"	K-55, 20#	1569	8 3/4	330 sxs	
4 1/2"	K-55, 10.5#	5800	6 1/4"	225 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	5265'	--

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5130 - 5140	2 SPF	(60 Shots)	5130 -5242	2 Bbls. 4% KCL Water
5184 - 5194				20000# 100-Mesh Sand
5232 - 5242				80000# 20/40 Mesh Sand

33.* PRODUCTION
DATE FIRST PRODUCTION 12/06/79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowed WELL STATUS (Producing or shut-in) Shut-in pending hook-up

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/06/79	3	None	→	--	310	--	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORE)	
25	480	→	330	2300	--		

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

35. LIST OF ATTACHMENTS
Electric logs furnished by Schlumberger

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Carly Hutton TITLE Administrative Supervisor DATE 1/04/80

*(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 83, 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) and 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.	LOG #
Dakota	5124	5145	Gas Productive	
Dakota	5178	5204	Gas Productive	
Dakota	5232	5245	Gas Productive	
Dakota	5280	5290	Prob. Water (Log analysis)	
Morrison		5700	Non-Productive Gas & Water	
Salt Wash	5683			

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Castlegate	1500 (EST)	Same
Frontier	4777	Same
Dakota Silt	5044	Same
Dakota	5115	Same
Morrison	5368	Same
Morrison		Same
Salt Wash	5608	Same

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: 2285' FSL, 2281' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE
USA-U-10152

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
35-10

10. FIELD OR WILDCAT NAME
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35; T16S; R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6145' GL 6156' KB

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

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

11/21/79
MIRUCU. Perf'd Morrison 5680-5698' w/2SPF. Set CIBP @ 5500'. Perf'd Dakota @ 5130'-5140', 5232'-5242. Acidized perfs w/2bbls of 4% KCL water. Frac'd w/20,000# 100 mesh sand and 80,000# 20/40 mesh. Ran 2 3/8" tubing set @ 5265. Tested well @ 2.3 MMCFD; FTP: 25, CP: 480. Installed tree. RD.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED *Carley* TITLE Admin. Supervisor DATE 1/7/80

(This space for Federal or State office use)

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

DIVISION OF OIL & GAS & MINING
 JAN 4 1980
 U.S. GEOLOGICAL SURVEY
 FEDERAL BUREAU OF REVENUE
 DEPARTMENT OF THE TREASURY
 RECEIVED
 1000 10th St. N.E.
 Washington, D.C. 20540

January 21, 1980

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

Re: Well No. Federal 35-10
Sec. 35, T. 16S, R. 24E,
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office January 4, 1980, from above referred to well, indicates the following electric logs were run: *DIL; FDC; SNP; GR.*

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

Kathy Avila

KATHY AVILA
RECORDS CLERK

14

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
93760018	FULLER USA #13-10	06	02	<u>3</u>	12/85	<u>0930</u>
93761014	FULLER USA #18-12	05	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 16S. 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 #35-15 16S. 24E. 33	06	07	<u>8</u>	10/85	<u>1030</u>
92158014	BROWN USA #35-3 16S. 24E. 35	05	07	<u>8</u>	10/85	<u>1130</u>
92170014	FEDERAL #6-7 17S. 25E. 6	06	07	<u>6</u>	11/85	<u>0930</u>
92178010	FEDERAL #6-14 17S. 25E. 6	06	07	<u>6</u>	11/85	<u>0830</u>
92179017	FEDERAL #7-4 17S. 25E. 7	06	07	<u>4</u>	11/85	<u>1030</u>
92158012	DIETLER STATE #2-14 17S. 24E. 2	06	07	<u>7</u>	11/85	<u>0830</u>
92180017	STATE #36-14 14S. 24E. 36	06	07	<u>7</u>	11/85	<u>0930</u>
92188016	EDWARDS USA #12-9 17S. 24E. 12	06	07	<u>4</u>	11/85	<u>0930</u>
92188019	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

691
✓T. 17S R 24E Sec 4 Federal 4-12
✓T17S R 24E Sec. 14 Hogle USA 14-4
✓T17S R24E Sec 3 Federal 3-8
✓T17S R24E Sec 3 Federal 3-15
✓T16S R24E Sec 35 Federal 35-10
✓T17S R24E Sec 2 Dietler State 2-14
✓T17S R24E Sec 2 Dietler State 2-7
✓T16S R25E Sec 31 Calvinco USA 31-12
✓T17S R24E Sec 1 Reinauer 1-5
✓T17S R24E Sec 1 Reinauer 1-14
✓T16S R24E Sec 36 Tenneco State 36-14
✓T16S R24E Sec 36 Tenneco State 36-16
✓T16S R 24E Sec 35 Brown USA 35-3
✓T17S R24E Sec 12 Edward 12-2
✓T17S R25E Sec 7 Winter Camp Unit 7-14
✓T17S R24E Sec 11 Hogle 11-12
✓T17S R25E Sec 6 Federal 6-7
✓T17S R25E Sec 7 Federal 7-4
✓T16S R25E Sec 17 Federal 17-9
✓T16S R25E Sec 14 Federal 14-2
✓T16S R26E Sec 16 State 16-4
✓T16S R25E Sec 13 Carlson USA 13-4
✓T17S R24E Sec 5 Federal 5-13
✓T16S R24E Sec 33 Wilson USA 33-15
✓T17S R25E Sec 6 Federal 6-14
✓T16S R25E Sec 13 Federal 13-9
✓T16S R26E Sec 33 Federal 33-13
T17S R26E Sec 5 Federal 5-4
✓T16S R26E Sec 32 State 32-1
✓T16S R26E Sec 32 State 32-11
✓T17S R24E Sec 12 Tenneco USA 12-9

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

SEE INSTRUCTIONS ON
REVERSE SIDE

031719 56W

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"/>		5. LEASE DESIGNATION AND SERIAL NO. USA U-10152	
2. NAME OF OPERATOR Ominex Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Stanford Place 1, Suite 1060 8055 E. Tufts Ave. Pkwy., 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 2306' FSL, 2302' FEL		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-019-30538		9. WELL NO. 35-10	
15. ELEVATIONS (Show whether SF, ST, OR, etc.) 6145' GL, 6156' KB		10. FIELD AND POOL, OR WILDCAT Bryson Canyon	
		11. SEC., T., R., M., OR BLEK. AND SUBST OR AREA NW $\frac{1}{2}$ SE $\frac{1}{4}$ 35-T16SR24E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Change of Operator <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

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

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

RECEIVED
MAR 12 1987

DIVISION OF
OIL, GAS & MINING

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

SIGNED Mary Earle TITLE Production Analyst DATE 3-1-87
(This space for Federal or State office use)

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

		5. Lease Designation and Serial Number: U-45935
		6. If Indian, Allottee or Tribe Name: ---
		7. Unit Agreement Name: M049P84710
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		8. Well Name and Number: Federal 35-10
2. Name of Operator: OMIMEX PETROLEUM, INC.		9. API Well Number: 43-0193053800
3. Address and Telephone Number: 8055 E. Tufts Avenue Parkway, #1060 Denver, CO 80237 (303) 771-1661		10. Field and Pool, or Wildcat: Bryson Canyon
4. Location of Well Footages: QQ, Sec., T., R., M.: NWSE Sec. 35-16S-24E		County: Grand State: Utah

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

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

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

Omimex has no future plans for this well.

RECEIVED
MAR 15 1993
DIVISION OF
OIL GAS & MINING

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

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number:
2. Name of Operator: Omimex Petroleum, Inc.		6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: 8055 E. Tufts Ave. Pkway., #1060 - Denver, CO 80237 (303)771-1661		7. Unit Agreement Name: M049P84701C
4. Location of Well Footages: OO, Sec., T., R., M.: NWSE 35-16S-24E		8. Well Name and Number: Federal #35-10
		9. API Well Number: 43-01930538
		10. Field and Pool, or Wildcat: Bryson Canyon Field
		County: Grand State: Utah

NOV 15 1993

DIVISION OF
OIL, GAS & MINING

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

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

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

Effective November 1, 1993 operatorship transferred to:

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

(corporate office)

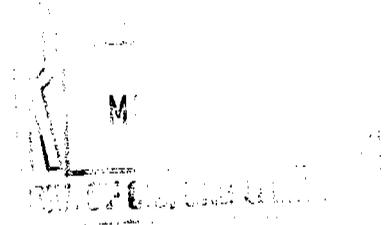
2210 Highway 6N50
Grand Junction, CO 81505
(303) 245-5902

(operations office)

13. Name & Signature: B.J. Whitney Title: Production Analyst Date: 11/11/93

(This space for State use only)

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 45155
Salt Lake City, Utah 84145-0155



May 20, 1994

Northstar Gas Company, Inc.
820 Gessner, Suite 1630
Houston, Texas 77024

Re: Successor of Operator
Communitization Agreement (CA)
MO49P-84701C
Grand County, Utah

Gentlemen:

On May 19, 1994, we received an indenture dated May 4, 1994, whereby Omimex Petroleum, Inc. resigned as Operator and Northstar Gas Company, Inc. was designated as Operator for CA MO49P-84701C, Grand County, Utah.

This instrument is hereby approved effective as of May 20, 1994. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under CA MO49P-84701C.

Your statewide (Utah) oil and gas bond No. 0845 will be used to cover CA operations.

Please advise all interested parties of the change in operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division Oil, Gas, & Mining
File - MO49P-84701C (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:05-20-94

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM MO49P84701C MO49P84701C	430193053800S1	35-10	NWSE	35	16S	24E	PGW	UTU10152	OMIMEX PETROLEUM INCORPOR

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

	5. Lease Designation and Serial Number:
	6. If Indian, Allottee or Tribe Name:
	7. Unit Agreement Name: MO49P84701C
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	8. Well Name and Number: FEDERAL #35-10
2. Name of Operator: NORTHSTAR GAS COMPANY, INC.	9. API Well Number: 43-01930538
3. Address and Telephone Number: 820 GESSNER, SUITE 1630, HOUSTON, TX 77024 713-935-9542	10. Field and Pool, or Wildcat: BRYSON CANYON
4. Location of Well Footages: OO. Sec., T., R., M.: NWSE 35-16S-24E	County: GRAND State: UTAH

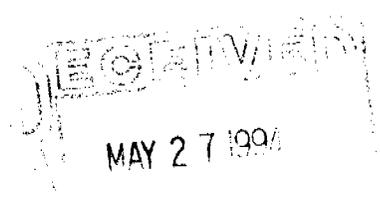
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

EFFECTIVE NOVEMBER 1, 1993 OPERATORSHIP TRANSFERRED FROM:
 OMIMEX PETROLEUM, INC.
 8055 E. TUFTS AVE. PKWAY. #1060
 DENVER CO 80237 (303) 771-1661

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


 MAY 27 1994

13. Name & Signature: Harry J. Dean Title: President Date: 5/24/94

(This space for State use only)

Routing:

1-LEC	7-LEC
2-DTS	
3-VLC	
4-RJF	<i>[Signature]</i>
5-PL	
6-SJ	

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-1-93)

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

Hell(s) (attach additional page if needed): ***CR-222,**MO49P-84701C**

Name: <u>*FEDERAL 4-12/DKTA</u>	API: <u>43-019-30522</u>	Entity: <u>6550</u>	Sec <u>4</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type <u>U41371</u>
Name: <u>*FEDERAL 35-10/DKTA</u>	API: <u>43-019-30538</u>	Entity: <u>6555</u>	Sec <u>35</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type <u>U10152</u>
Name: <u>STATE 36-16/DKTA</u>	API: <u>43-019-30606</u>	Entity: <u>6527</u>	Sec <u>36</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type <u>ML33908</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 11-15-93)*
- J* *Sec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 11-19-93) (Rec'd 5-28-94)*
- NA* 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: _____
- Sec* 4. (For Indian and Federal Hells 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.
- Sec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-31-94)*
- Sup* 6. Cardex file has been updated for each well listed above. *6-1-94*
- Sup* 7. Well file labels have been updated for each well listed above. *6-1-94*
- Sec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-31-94)*
- Sec* 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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DCS* 2. Copies of documents have been sent to State Lands for changes involving State leases.
6/3/94 to Ed Bonner

FILMING

1. All attachments to this form have been microfilmed. Date: June 8 1994.

FILING

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

COMMENTS

910531 bhm/s.f. CR-222 Appr. eff. 5-20-94

CA md49P-84701C Appr. eff. 5-20-94