

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED **Gas** SUB REPORT abd

DATE FILED **9-4-81**

LAND: FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO **SL 071893**

INDIAN

DRILLING APPROVED **9-15-81**

SPOUDED IN

COMPLETED: PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES:

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED

1-27-84 LA application rescinded

FIELD

3/86 Westwater FIELD

UNIT:

COUNTY:

Grand

WELL NO.

Westwater Unit #4

API# **43-019-30851**

LOCATION

1977' FT. FROM (N) ~~X~~ LINE.

1731' FT. FROM (E) ~~X~~ LINE.

SW NE

1/4 - 1/4 SEC. **13**

TWP.	RGE	SEC	OPERATOR
------	-----	-----	----------

TWP	RGE	SEC	OPERATOR
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17S	23E	13	ODEGARD RESOURCES, INC. ✓
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Odegard Resources, Inc.

3070 ONE DENVER PLACE
999 18TH STREET
DENVER, CO 80202

303-623-4732

August 30, 1981

U. S. Geological Survey
Mr. Edgar Guynn, District Supervisor
1745 West 1700 South
Salt Lake City, Utah 84138

RE: Filing NTL-6 and A.P.D. Form 9-331C
Odegard Resources, Inc.
Westwater Unit #4
SWNE Sec. 13 T17S R23E
1977' FNL & 1731' FEL
Grand County, Utah

RECEIVED

SEP 04 1981

DIVISION OF
OIL, GAS & MINING

Dear Mr. Guynn:

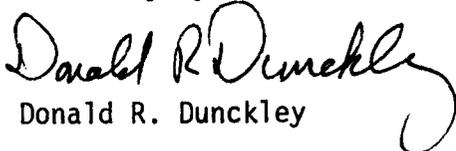
Enclosed are five copies of the NTL-6 program and A.P.D. Form 9-331C for the above-referenced well location.

Please notify Don Dunckley at (303) 243-3846 when you have arranged a time with the B.L.M. to inspect the site, in order that he may be present during the inspection.

This application for permit to drill will also serve as application for Right-of-Way grant for the portion of access road and pipeline right-of-way indicated herein.

Odegard Resources, Inc. will forward the Archaeological inspection under separate cover.

Sincerely, yours,


Donald R. Dunckley

cc: Cam Downey, Odegard Resources, Inc., Denver, Colorado
Galley Construction, Grand Junction, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL DEEPEN

b. TYPE OF WELL

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Odegard Resources, Inc.

3. ADDRESS OF OPERATOR

3070 One Denver Place, 999-18th Street, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1977' FNL 7 1731' FEL (SWNE)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

The location is 37.9 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)

1731'

16. NO. OF ACRES IN LEASE

2211.56

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6749' GR

22. APPROX. DATE WORK WILL START*

November 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	36# K-55 ST&C	200'	Class "G" + additives
8-3/4"	7" New	20# K-55 ST&C	2200'	50/50 Poz + additives
6-1/4"	4-1/2" New	11.6# N-80 LT&C	5900'	50/50 Poz + additives

1. Drill 12-1/4" hole and set 9-5/8" surface casing to 200' with good returns.
2. Drill 8-3/4" hole and set 7" intermediate casing to 2200'.
3. Log B.O.P. checks in all daily drill reports and drill 6-1/4" hole to 5900'.
4. Run tests if warranted and run 4-1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- Location and Elevation Plat
- The Ten-Point Compliance Program
- The Blowout Preventer Diagram
- The Multi-Point Requirements for A.P.D.
- Access Road Maps to Location
- Radius Map of Field
- Drill Pad Layout, & Cut-Fill Cross-Section
- Drill Rig Layout

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

DATE: 9/15/81
BY: [Signature]

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 Donald R. Duncley TITLE Engineer DATE August 30, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

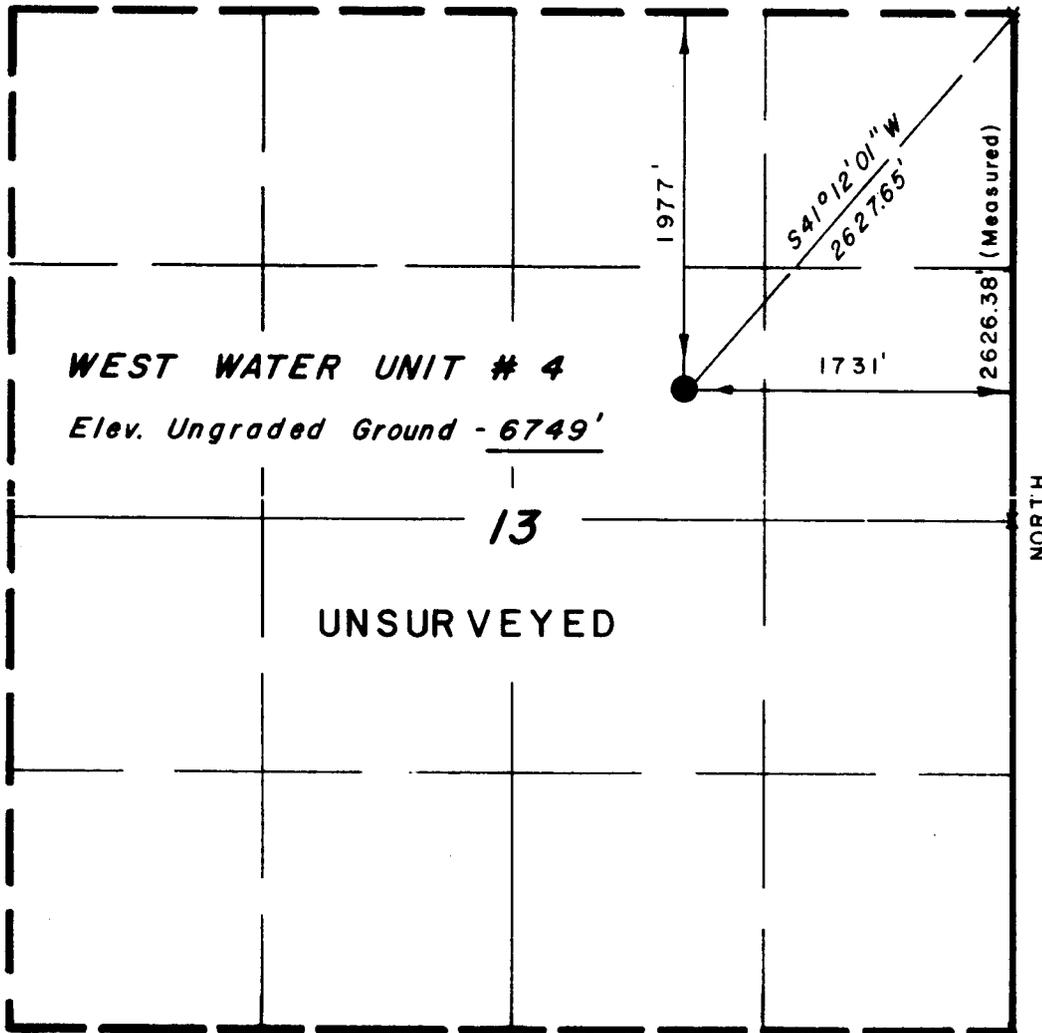
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

T 17 S , R 23 E , S.L.B.&M.

PROJECT

ODEGARD RESOURCES INC.

Well location, *WEST WATER UNIT # 4*, located as shown in the SW 1/4 NE 1/4 Section 13, T17 S, R23 E, S.L.B.&M. Grand County, Utah.



WEST WATER UNIT # 4
Elev. Ungraded Ground - 6749'

13

UNSURVEYED

NORTH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 8 / 13 / 81
PARTY L.D.T. S.H. B.W. S.B.	REFERENCES GLO Plat
WEATHER Fair	FILE ODEGARD RESOURCES

X = Section Corners Located.

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Geological Survey, Unit Operator under the WESTWATER unit agreement Grand County, Utah (State), No. 14-08-001-4737 approved June 17, 1958 and hereby designates:

NAME: Odegard Resources, Inc.
999 18th Street, Suite 3070
ADDRESS: Denver, Colorado 80202

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 4 in SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 13, T. 17S, R. 23E, SLM, Grand County, Utah.

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the oil and gas supervisor of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above-specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the U. S. Geological Survey a completed file of all required Federal reports pertaining to subject well. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

J. C. THOMPSON
Unit Operator

7-28-81
Date

By: J. C. Thompson

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Odegard Resources, Inc.
Westwater Unit #4
SWNE Sec. 13 T17S R23E
1977' FNL & 1731' FEL
Grand County, Utah

1. The Geologic Surface Formation

The surface formation is the Mesa Verde.

2. Estimated Tops of Important Geologic Markers

Mesaverde	Surface
Castlegate	1830'
Mancos	1950'
Dakota "Silt"	5440'
Dakota	5530'
Morrison	5695'
Total Depth	5900'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Castlegate	1830'	Gas
Dakota	5530'	Gas
Morrison	5695'	Gas

No water zones are anticipated.

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
12-1/4"	0-200'	200'	9-5/8"	36# K-55 ST&C	New
8-3/4"	0-2200'	2800'	7"	20# K-55 ST&C	New
6-1/4"	0-5900'	4900'	4-1/2"	11.6# N-80 LT&C	New

Cement Program -

Surface (9-5/8") - Class "G" with 3% CaCl₂ and 1/4# Flocele; cement to surface.

Intermediate (7") - 50/50 Poz with 2% gel, 5% KCL, 0.4% Halad 9, and 2% CaCl₂; cement to 500' above Castlegate.

Production (4-1/2") - Same as for Intermediate casing; cement to 500 feet above pay zone.

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and double-ram annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper kelly cock, floor safety valve, and 2"-2000# choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

This well will be drilled with air or air mist from surface to total depth. Exhaust will be muffled. Other down hole materials will be on site to handle any anticipated down hole problems as well as possible spill of fluid on the surface.

7. The Auxiliary Equipment to be Used

- (a) An upper kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) Neither a mud logging unit nor gas detecting device will be monitoring the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) No DST's are anticipated.
- (b) The logging program will consist of the following:
 - DIL: Total depth to intermediate casing
 - SNP-GR: Total depth to 5000' (Dakota-Morrison)
3500' to intermediate casing (Mancos "B")
 - FDC-GR: Same intervals as SNP-GR
- (c) No coring is anticipated.
- (d) Stimulation procedures will be to perforate zones of interest, acidize and frac with KCL water. If treatment is indicated and when treatment program has been formalized, appropriate Sundry Notice will be submitted for approval.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 900-1000 psi.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for November 15, 1981, if weather conditions permit. Operations should be completed within three weeks after spudding the well.

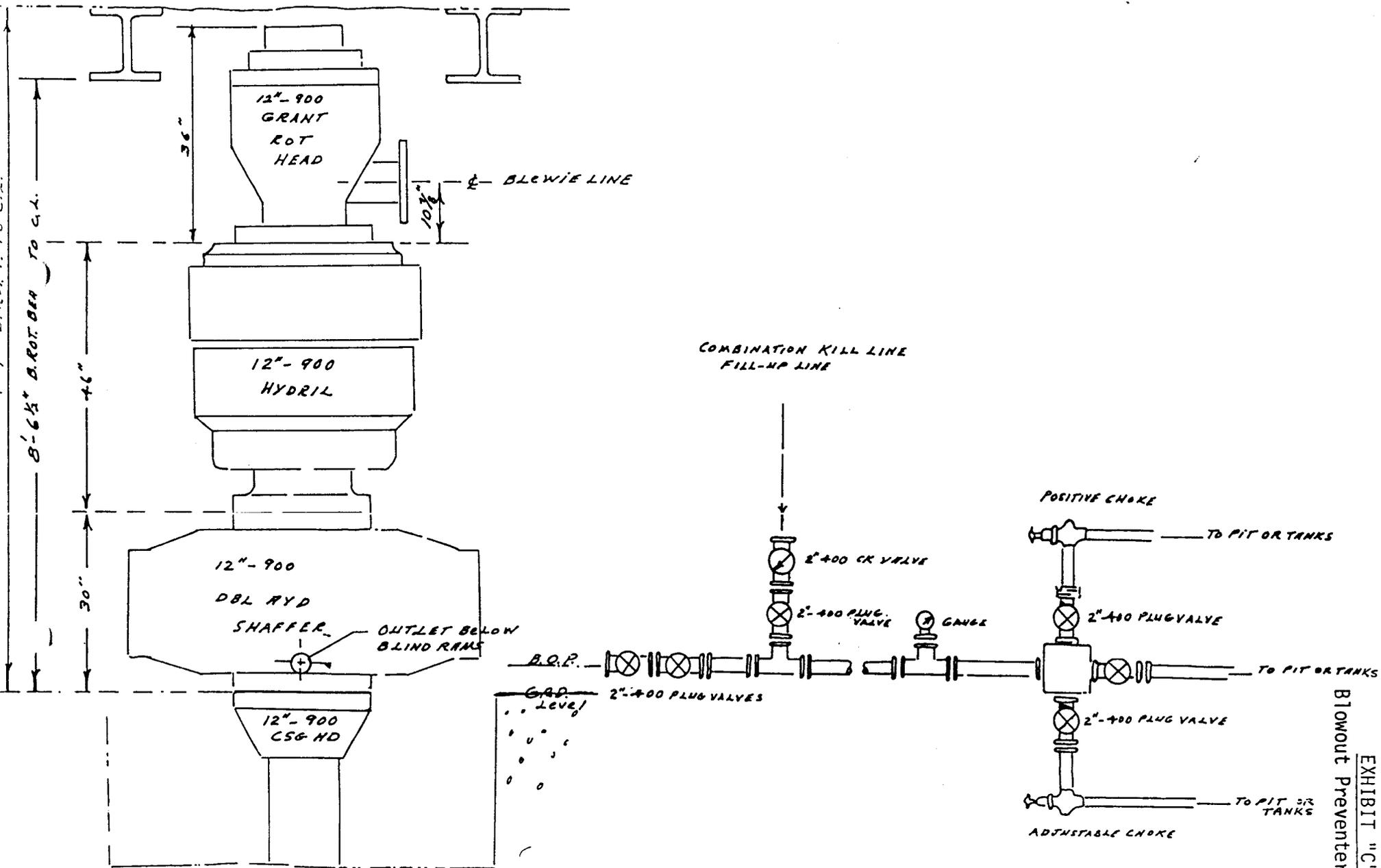


EXHIBIT "C"
Blowout Preventer Diagram

ODEGARD RESOURCES INCORPORATED

13 Point Surface Use Plan

For

Well Location

West Water Unit #4

Located In

Section 13, T17S, R23E, S.L.B.& M.

Grand County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach ODEGARD RESOURCES INCORPORATED well location site West Water Unit #4, located in the SW 1/4 NE 1/4 Section 13, T17S, R23E, S.L.B. & M., Grand County, Utah:

Proceed Northwesterly from Grand Junction Colorado along U.S. Highway 6 and 50 - 35.2 miles to the junction of this highway and an existing improved road to the Northwest; proceed Northwest along this road approximately 5.6 miles to its junction with an existing improved road to the South; proceed South along this road 0.4 miles to its junction with an improved road to the Northwest; proceed Northwesterly along this road 5.0 miles to its junction with the West Water road (unimproved dirt) to the left and middle canyon to the right; proceed left (Westerly) up Westwater Canyon 1.9 miles to the junction of this road and an existing unimproved dirt road to the Northwest up Dark Canyon; proceed Northerly along this road 40 miles to its junction with the proposed road (to be dicussed in Item #2).

The highway mentioned in the foregoing paragraph is bituminous surfaced. All other roads mentioned are either improved or unimproved dirt.

There will be no construction on the above described roads. They will meet the necessary standards required to faciliate an orderly flow of traffic during the drilling phase, completion phase, and the production phase, of this well at such time that production is established.

The highways mentioned above are under Utah State and Colorado State jurisdiction and are maintained by State Road Crews. The County roads are constructed of native materials and is maintained by County Road crews.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the E.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SE 1/4 NW 1/4 Section 13, T17S, R23E, S.L.B. & M., and proceeds in a Easterly direction approximately 0.3 miles to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1-1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

Most lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. It is sparsely vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

This location lies within the West Water gas field, therefore there are various wells within a one-mile radius of the proposed location site.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no existing batteries, production facilities, gas gathering lines, injection or disposal lines within a one-mile radius of this location site which belongs to ODEGARD RESOURCES INCORPORATED.

In the event that production of oil from this well is established then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities if deemed necessary by the controlling agencies involved.

The gas will be sold to Northwest Pipeline if the well is productive. Northwest Pipeline will be available at the onsite to determine the best route for the pipeline.

The rehabilitation of the disturbed areas that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

The anticipated water supply for this location is from Frank Spadafora at the mouth of East Canyon and arrangements will be made with him prior to spudding.

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified of any changes.

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

All appropriate permits will be acquired and submitted to the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site shall be borrow material accumulated during construction of the location site. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site .

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the North to the Colorado River to the South and is a portion of the East Tavaputs Plateau.

The area is interlaced with numerous canyons and ridges formed by the non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerate, and shale deposits, are common in the area forming ledges and cliffs along the sides of the canyons.

The visible geologic structures in the area are of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The major drainage in the area with a year-round flow is the West Water Creek to the South.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous drainages in surrounding area are of non-perennial nature flowing only during the early spring run-off and extremely heavy rain storms of long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Due to the low precipitation average, climatic conditions and the types of soils, the vegetation that is found in the area are common of the semi-arid regions we are located in, and consists of juniper and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various forms 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.

The Topography of the Immediate Area - (See Topographic Map "B").

West Water Unit #4 location site sits on a ridge above Middle Canyon to the East and Dark Canyon to the West.

The visible structure of the location is of the Tuscher Formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes to the Northeast towards Middle Canyon at approximately a 16.5% grade.

The location is covered with juniper and pinion pine trees, scrub oak, sagebrush, and grasses.

There are no occupied dwellings or other facilities of this nature in the general area. There is however a radio facility site within a one mile radius of this location site.

ODEGARD RESOURCES INCORPORATED
West Water Unit #4
Section 13, T17, R23E, S.L.B.& M.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Don Dunkley
ODEGARD RESOURCES INCORPORATED
2004 Wood Court
Grand Junction CO 81503

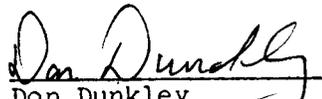
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13. CERTIFICATION

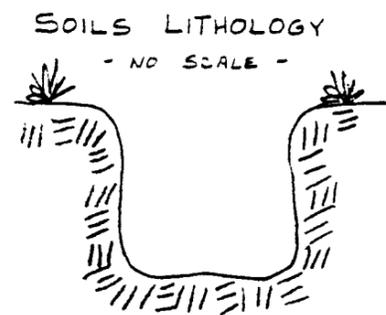
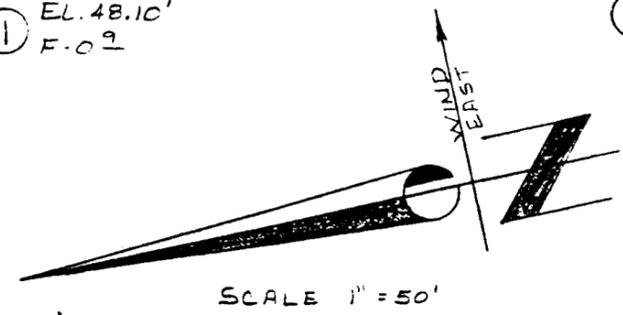
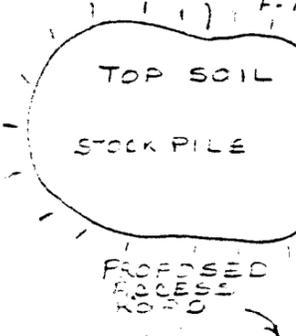
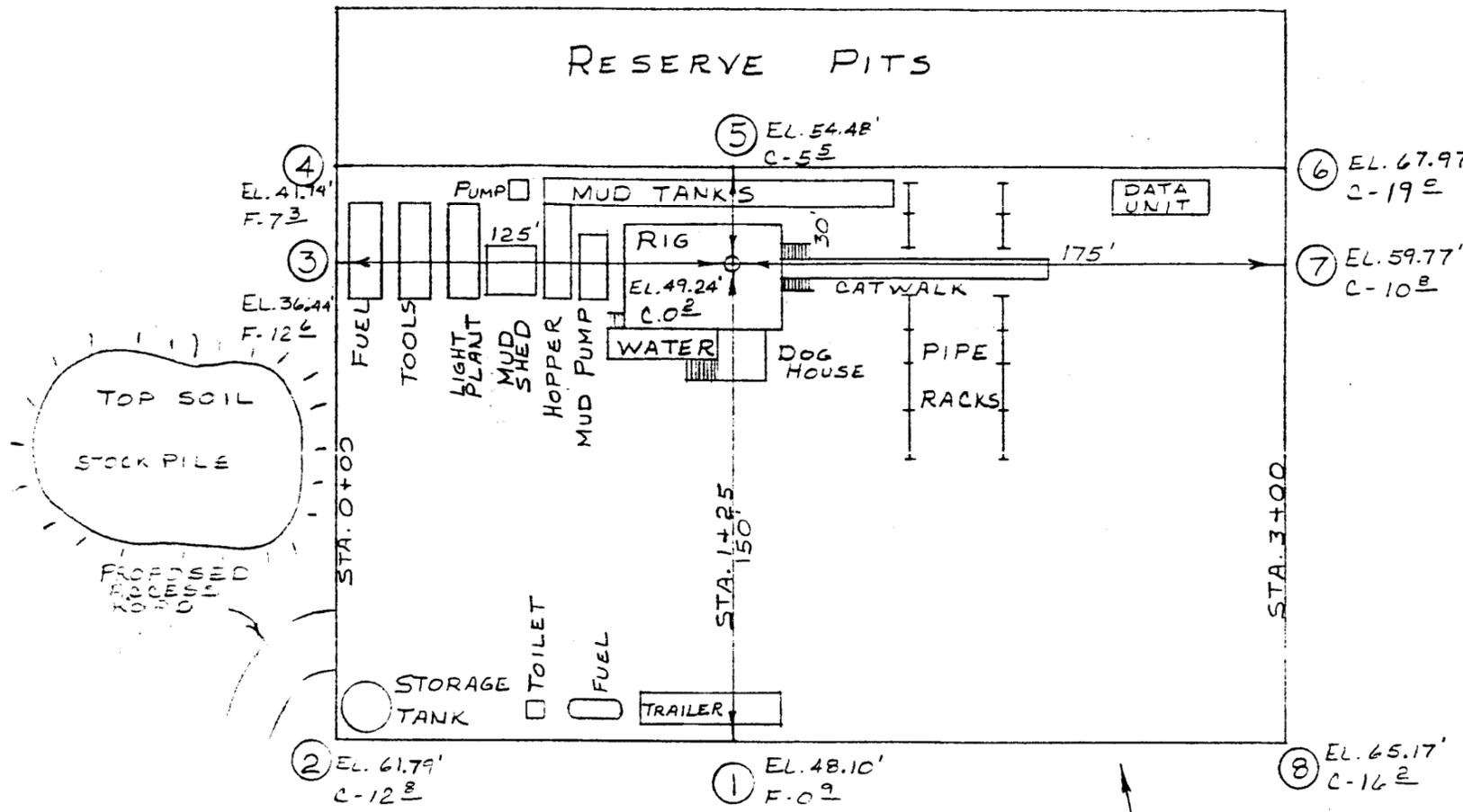
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by ODEGARD RESOURCES INCORPORATED and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

8/30/81

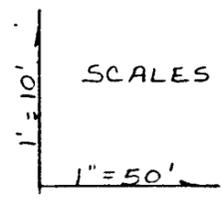
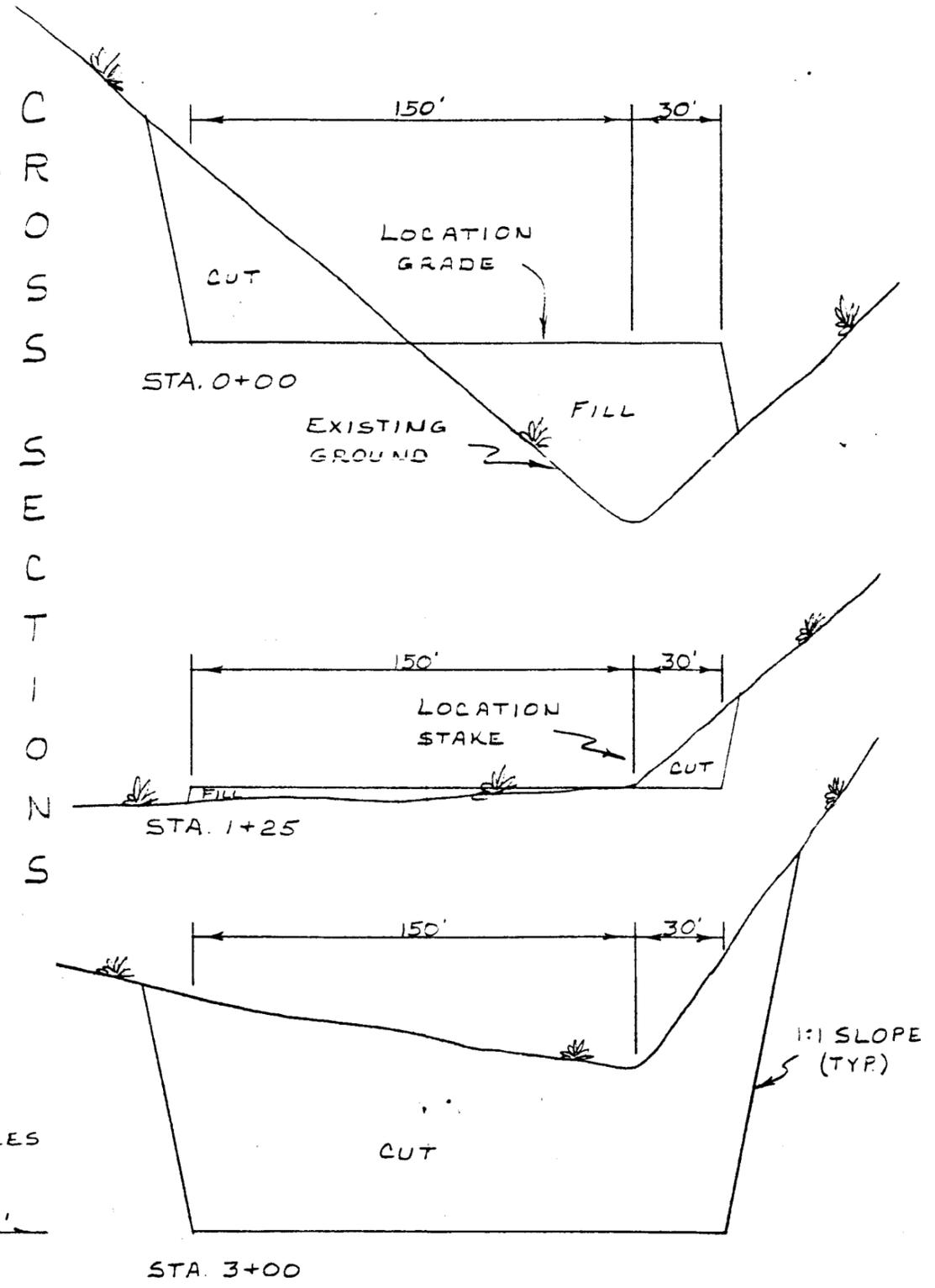

Don Dunkley
Consulting Engineer

ODEGARD RESOURCES INC.
WEST WATER UNIT #4



APPROX. YARDAGES

CUT	- 11,183	Cu. Yds
FILL	- 2,118	Cu. Yds.



ODEGARD RESOURCES INC.

WEST WATER UNIT #4

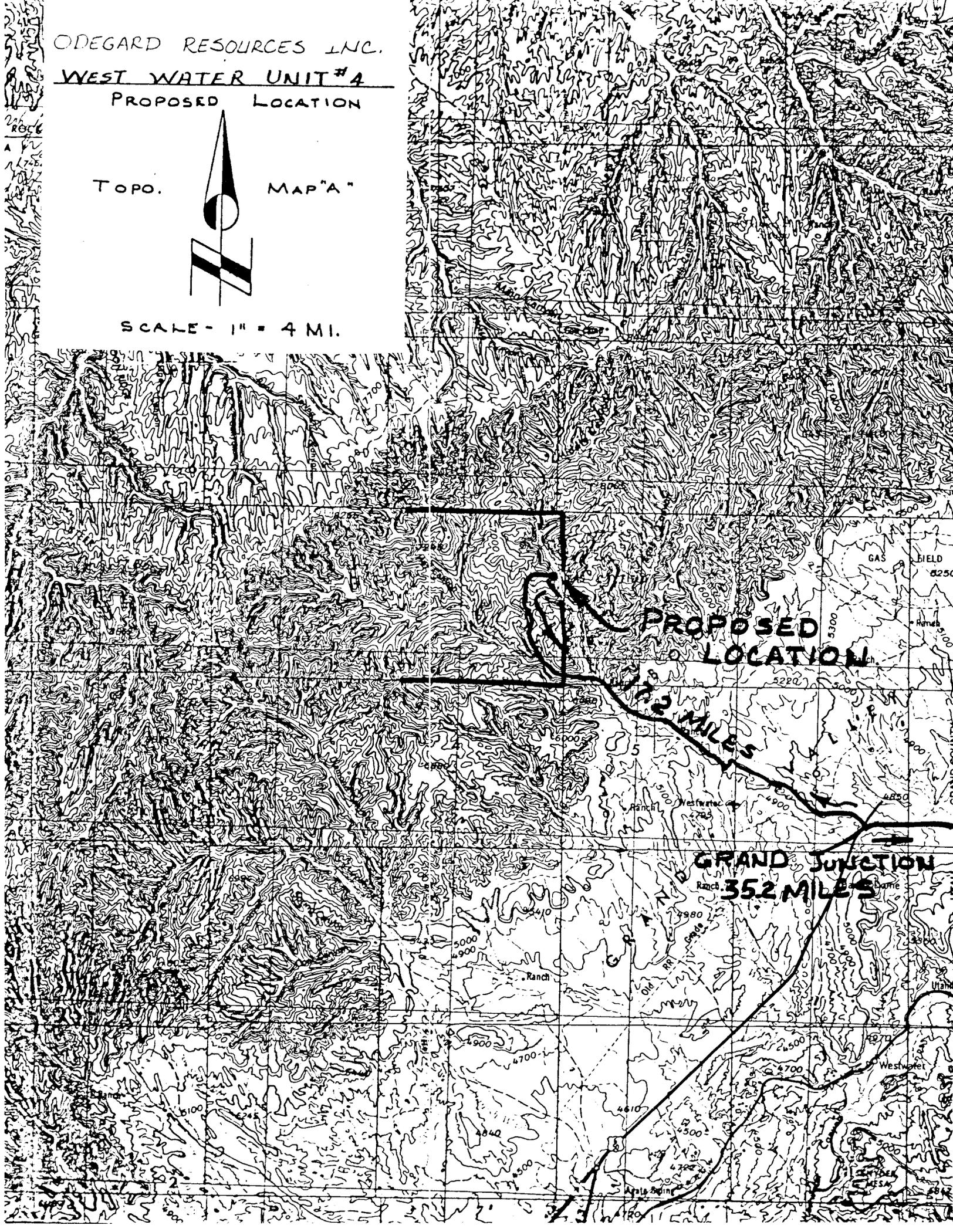
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.



ODEGARD RESOURCES INC.

WEST WATER UNIT # 4

PROPOSED LOCATION

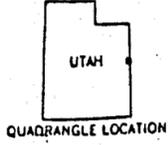
TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty road, all weather, improved surface Unimproved road, fair or dry weather.



T17S

PROPOSED LOCATION
WEST WATER UNIT # 4

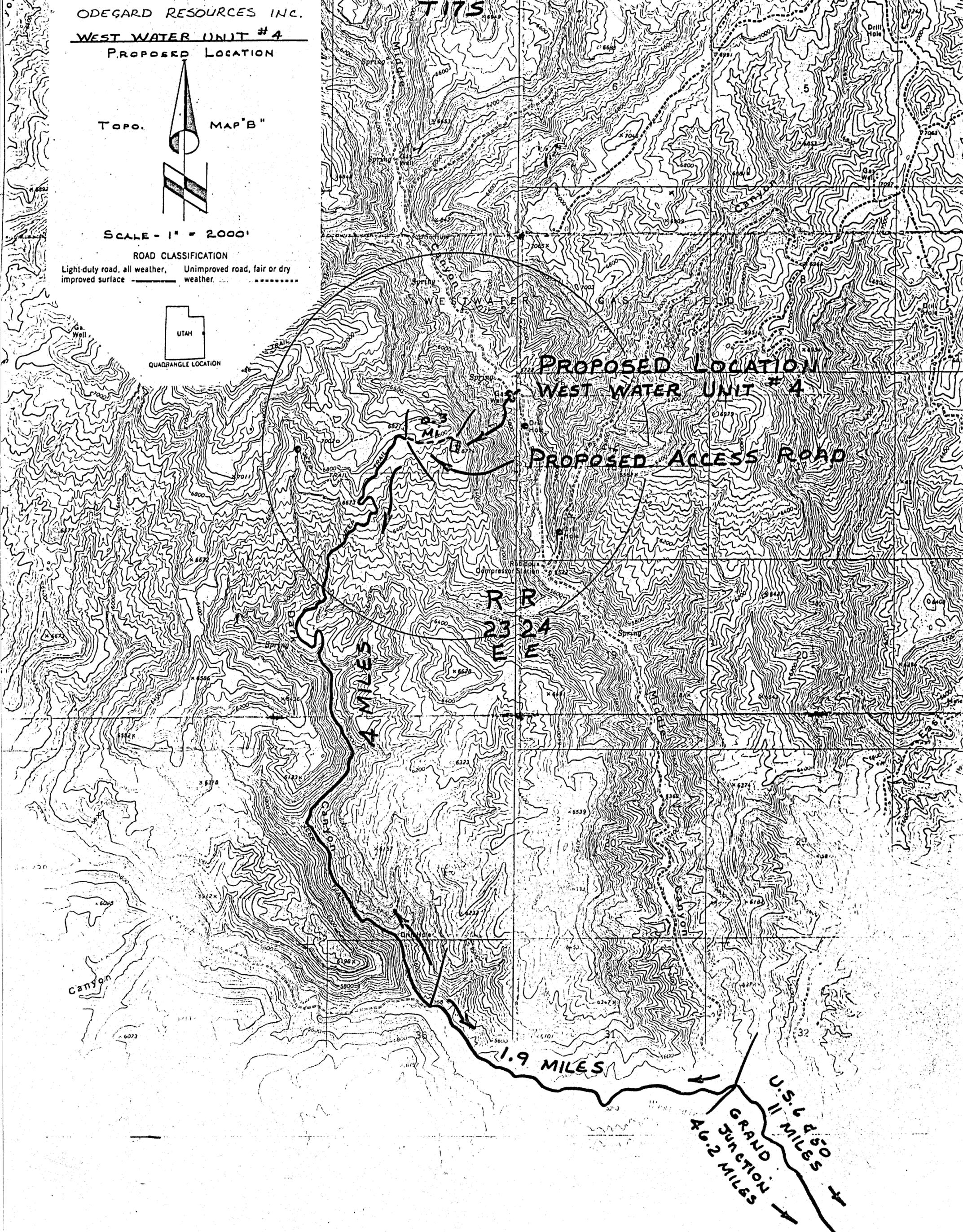
PROPOSED ACCESS ROAD

4 MILES

RR
23 24
E E

1.9 MILES

U.S. 6 & 50
GRAND JUNCTION
46.2 MILES



** FILE NOTATIONS **

DATE: Sept. 15, 1981

OPERATOR: Odegard Resources, Inc.

WELL NO: Westwater Unit #4

Location: Sec. 13 T. 17S R. 23E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30851

CHECKED BY:

Petroleum Engineer: _____

Director: OK unit well

Administrative Aide: Unit well, OK on boundaries

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

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

Lease Designation

Plotted on Map

Approval Letter Written

Hot Line

P.I.

September 15, 1981

Odegard Resources, Inc.
3070 One Denver Place,
999-18th Street
Denver, Colo. 80202

RE: Well No. Westwater Unit # 4,
Sec. 13, T.17 S, R.23E,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

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

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

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

The API number assigned to this well is 43-019-30851.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS

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
Odegard Resources, Inc.

3. ADDRESS OF OPERATOR
3070 One Denver Place, 999-18th Street, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1977' FNL 7 1731' FEL (SWNE)
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
The location is 37.9 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) 1731'

16. NO. OF ACRES IN LEASE 2211.56

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 5900'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6749' GR

22. APPROX. DATE WORK WILL START* November 15, 1981

5. LEASE DESIGNATION AND SERIAL NO.
SL 071893
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
N/A
8. FARM OR LEASE NAME
Westwater Unit
9. WELL NO.
4
10. FIELD AND POOL, OR WILDCAT
Weswater
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13 T17S R23E
12. COUNTY OR PARISH
Grand
13. STATE
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" New	36# K-55 ST&C	200'	Class "G" + additives
8-3/4"	7" New	20# K-55 ST&C	2200'	50/50 Poz + additives
6-1/4"	4-1/2" New	11.6# N-80 LT&C	5900'	50/50 Poz + additives

1. Drill 12-1/4" hole and set 9-5/8" surface casing to 200' with good returns.
2. Drill 8-3/4" hole and set 7" intermediate casing to 2200'.
3. Log B.O.P. checks in all daily drill reports and drill 6-1/4" hole to 5900'.
4. Run tests if warranted and run 4-1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

RECEIVED
DEC 15 1981
DIVISION OF
GAS & MINING

EXHIBITS ATTACHED:

- Location and Elevation Plat
- The Ten-Point Compliance Program
- The Blowout Preventer Diagram
- The Multi-Point Requirements for A.P.D.
- Access Road Maps to Location
- Radius Map of Field
- Drill Pad Layout, & Cut-Fill Cross-Section
- Drill Rig Layout

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 Donald R. Dunckley TITLE Engineer DATE August 30, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
FOR E. W. GUYNN
APPROVED BY _____ TITLE DISTRICT OIL & GAS SUPERVISOR DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

State O&G

Identification CER/EA No. 609-81

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Odegard Resources, Incorporated
Project Type Gas Well - Wildcat
Project Location 2027' FNL & 1706' FEL - Sec. 13, T. 17S, R. 23E
Well No. 4 Lease No. SL-071893
Date Project Submitted September 8, 1981

FIELD INSPECTION

Date November 17, 1981

Field Inspection
Participants

Craig Hansen - USGS, Vernal

Elmer Duncan - BLM, Moab

Beverly Lewis - BLM, Moab

Don Dunkley - Odegard Resources

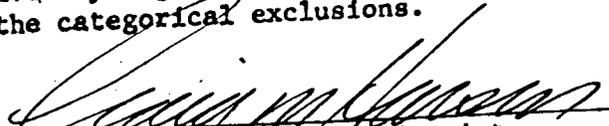
Leonard Lewis - Dirt Contractor

Related Environmental Documents: _____

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

11-20-81

Date Prepared


Environmental Scientist

I concur

DEC 03 1981

Date



District Supervisor

FOR E. W. GYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



*Colony and Res
41 north.*

RECOMMENDED STIPULATIONS FOR ODEGARD RESOURCES, INC. WELL #4:

1. Location must be moved 50' south and 25' east to reduce cut and fill.
2. Production facilities will be painted a green color to blend in with the natural surroundings.
3. A buffer of trees will be left around the location.
4. Production flowlines will follow existing access road to a transmission line.
5. The location will be lengthened to 240' x 350' to accommodate the rig.
6. Topsoil will be placed on the north edges of the location.
7. The location will be rotated 15° to the left or counter-clockwise to reduce cut and fill.
8. The operator will adhere to BLM surface stipulations.



United States Department of the Interior

IN REPLY REFER TO

3109
(U-068)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
F. O. Box M
Moab, Utah 84532

NOV 25 1981

Memorandum

To: Oil & Gas Office, USGS Conservation Division,
P.O. Box 1037
Vernal, Utah 84078

From: Area Manager, Grand

Subject: Odegard Resources, Inc. (APD)
Westwater Unit #4
SW/NE Section 13, T. 17 S., R. 23 E. SLB&M
Grand County, Utah

On November 17, 1981, a representative from this office met with Cody Hansen, USGS, and Don Dunkley agent of Odegard Resources, Inc. for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Odegard Resources, Inc.

Enclosures (4)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities
4-Class III Road(s) Survey & Design

Company: Odegard Resources; Inc.
Well: #4 Westwater Unit
Section 13, T. 17 S., R. 23 E.

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah (phone (801) 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. Improvement to the existing road will be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is.

New road construction will be limited to an allowable travel surface width of 18 feet. For construction design and survey refer to Class III road standards attachment.

Trees will be windrowed along the uphill side of the road. Trees four inches or larger in diameter will be bucked in a minimum of four foot lengths and stockpiled along the up slope side.

Topsoil will be saved along the route between the trees and the road.

Surfacing disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. Location: Pad size will be 240 feet wide X 350 feet long. Well location will be moved 50 feet south and 25 feet east to reduce cut and fill amounts. Pad will be rotated 15 degrees counter-clock wise to fit the ridge top.
7. The top nine inches of soil material will be removed from the location and stockpiled separate from the trees on the northwest side of the location.

Trees removed from the location will be stockpiled behind the topsoil. Trees four inches or larger in diameter will be bucked into four foot lengths and piled separate from the rest of the trees.

8. The reserve pit will not be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in eight inch lifts, machinery compacted, and sufficiently wide for equipment to pass over.
9. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be four barbed wire strands or five to keep livestock and wildlife out.

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM Office in Moab, Utah, phone (801) 259-6111, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal, etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 12 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. Broadcast seed will be applied at two times the pounds per acre shown on the enclosed seed list.
8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use.
9. Waterbars will be used as needed on all sloping surfaces as shown below:

<u>Grade</u>	<u>Spacing</u>
2%	200 feet spacing
2-4%	100 feet spacing
4-5%	75 feet spacing
+5%	50 feet spacing

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors.
3. The access will be to the design of a Class III road.

SEED MIXTURE

Species		Rate
Grasses		lbs/acre
Oryzopsis hymenoides	Indian rice grass	2
Hilaria jamesii	Curley grass	2
Elymus salinus	Wildrye	2
Forbs		
Sphaeralcea coccinea	Globemallow	.5
Medicago sativa	Alfalfa (Ladak)	.5
Shrubs		
Ephedra nevadensis	Mormon tea	2
Cercocarpus ledifolius	Curl leaf mahogny	2
Purshia tridentata	Bitterbrush	2
		<hr/> 13

Double the pounds per acre if the seed is broadcast.

Seeding will be done during the fall of the year (Oct. - Dec.)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

INSTRUMENT NO

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.



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

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

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

May 5, 1982

Odegard Resources, Inc.
3070 One Denver Place
999-18th Street
Denver, Colorado 80202

Re: Well No. Westwater Unit #4
Sec. 13, T. 17S, R. 23E.
Grand County, Utah

Gentlemen:

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

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

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

Odegard Resources, Inc.

3070 ONE DENVER PLACE

999 18TH STREET

DENVER, CO 80202

303-623-4732

May 7, 1982

State of Utah
Natural Resources & Energy
4241 State Office Building
Salt Lake City, UT 84114

Attn: Cari Furse

RE: Westwater Unit No. 4
Sec. 13-17S-23E
Grand County, Utah
Westwater Field
D-34-U

Dear Ms. Furse:

We have not yet drilled the captioned well. However, it is part of our 1982 drilling program. It will probably be late this year before this well is drilled.

Very truly yours,

ODEGARD RESOURCES, INC.



Robert C. Dickinson
Denver Manager

RCD/cjc

RECEIVED
MAY 10 1982

DIVISION OF
OIL, GAS & MINING



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

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

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

March 15, 1983

Odegard Resources, Inc.
3070 One Denver Place
999 18th Street
Denver, Colorado 80202

Re: See attached list of wells

Gentlemen:

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

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

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf

Well No. Westwater Unit # 4
Sec. 13, T. 17S, R. 23E.
Grand County, Utah

Well No. Bryson Canyon Unit # 13
Sec. 8, T. 17S, R. 24E.
Grand County, Utah

Well No. Bryson Canyon Unit # 14
Sec. 9, T. 17S, R. 24E.
Grand County, Utah

Well No. Bryson Canyon Unit # 15
Sec. 15, T. 17S, R. 24E.
Grand County, Utah

m

Odegard Resources, Inc.

388 NORTH BELT EAST SUITE 300
HOUSTON, TEXAS 77060

713/999-5530

April 18, 1983

State of Utah
Natural Resources & Energy
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Cari Furse
Well Records Specialist

Re: See Attached List of Wells

Gentlemen:

In response to your letter of March 15, 1983, requesting present status of the referenced wells, please be advised that Odegard Resources, Inc. plans to drill these wells at a later date. However, due to economic factors, we are unable to project an approximate spud date.

Please acknowledge receipt of our response to your notice by signing and returning the extra copy of this letter in the enclosed self-addressed envelope.

Very truly yours,

ODEGARD RESOURCES, INC.



Sally Schmidt

/sjs

Enclosures

RECEIVED

APR 26 1983

DIVISION OF
OIL, GAS & MINING

Well No. Westwater Unit # 4
Sec. 13, T. 17S, R. 23E.
Grand County, Utah

Well No. Bryson Canyon Unit # 13
Sec. 8, T. 17S, R. 24E.
Grand County, Utah

Well No. Bryson Canyon Unit # 14
Sec. 9, T. 17S, R. 24E.
Grand County, Utah

Well No. Bryson Canyon Unit # 15
Sec. 15, T. 17S, R. 24E.
Grand County, Utah



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

December 27, 1983

Odegard Resources, Inc.
3070 One Denver Place
999-18th Street
Denver CO 80202

RE: Well No. Westwater Unit #4
API #43-019-30851
1977' FNL, 1731' FEL SW NE
Sec. 13, T. 17S, R. 23E.
Grand County, Utah

Gentlemen:

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded effective one calendar month from the date of this notice.

A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

Respectfully,

A handwritten signature in black ink, appearing to read 'Norman C. Stout'.

Norman C. Stout
Administrative Assistant

NCS/cj