



POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
800 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

January 29, 1981

State of Utah
Division of Oil, Gas, and Minerals
1558 West, North Temple
Salt Lake City, Utah 84116

RECEIVED

FEB 2 1981

DIVISION OF
OIL, GAS & MINING

RE: Filing Application for Permit to Drill
Odegard Resources, Inc.
#1 ARCO - Federal
S $\frac{1}{2}$ SE Sec. 35 T15 $\frac{1}{2}$ S R24E
1000' FSL & 1300' FEL
Grand County, Utah

Gentlemen:

Enclosed are three copies of the Federal A.P.D. Form 9-331C, the location and elevation plat, and the Ten-Point Compliance Program, and the Blowout Preventer Diagram for the above-referenced well.

This letter also constitutes a request for topographical exception. Since this well has been assigned 245.12 acres, Odegard has control of a 660' radius; therefore, no other lease owners are being violated.

Please return the approved copies to:

Mr. Cameron Downey
Odegard Resources, Inc.
650 South Cherry Street
Suite 440
Denver, Colorado 80222

Very truly yours,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Manager, Environmental Services

CLF:sfh
Enclosures

cc: Mr. Cameron Downey

**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
 Odgard Resources, Inc.

3. ADDRESS OF OPERATOR
 650 S. Cherry St., Suite 441, Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 1000' FSL & 1300' FEL (SESE) (S_{1/2} SE)
 At proposed prod. zone: Same
 FEB 2 1981

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 59.9 miles from Fruita, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
 1000'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 8404' GR

5. LEASE DESIGNATION AND SERIAL NO.

#U-1391g

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

ARCO - Federal

9. WELL NO.

1

10. FIELD AND SURVEY OR AREA

Wildcat
~~East Canyon Field~~

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

Sec. 35 T15₂S R24E

12. COUNTY OR PARISH 13. STATE

Grand Utah

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 8rd	350'	200 sx. Class "G" w/ 2% CaCl
8 3/4"	7" New	20# K-55 8rd	4100'	Class "G" w/ 2% CaCl
6 1/4"	4 1/2" New	10.5# K-55 8rd	7700'	50-50 poz W/ 2% Gel, 5% KCL

1. Drill 12 1/4" hole and set 9 5.8" surface casing to 350' with good returns.
2. Drill 8 3/4" hole and set 7" intermediate casing and cement.
3. Log B.O.P. checks in daily drill reports and drill 4 1/2" hole to 7700'.
4. Run tests if warranted and run 6 1/4" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" Drill Rig Layout

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**

DATE: 4-10-81
 BY: M. J. Meador

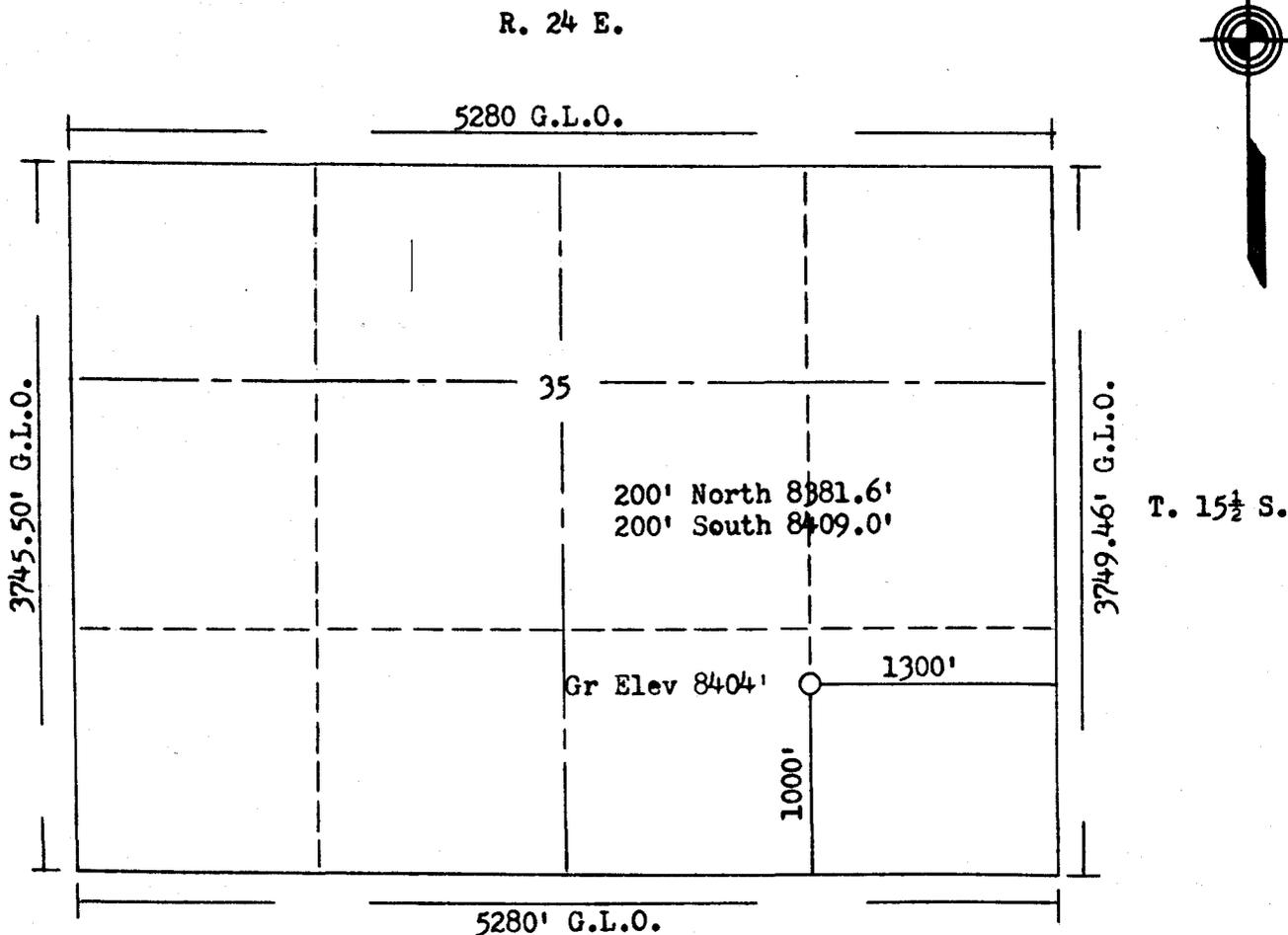
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED: Robert C. Robinson TITLE: Denver Manager DATE: 1/20/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Cameron Donney
 for Odegard Resources, Inc.
 determined the location of #1 ARCO-Federal
 to be 1000' FSL & 1300' FEL Section 35 Township 15½ South,
 Range 24 East of the Salt Lake Base and Meridian
 Grand County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of #1 ARCO-Federal

Date: 1-21-81

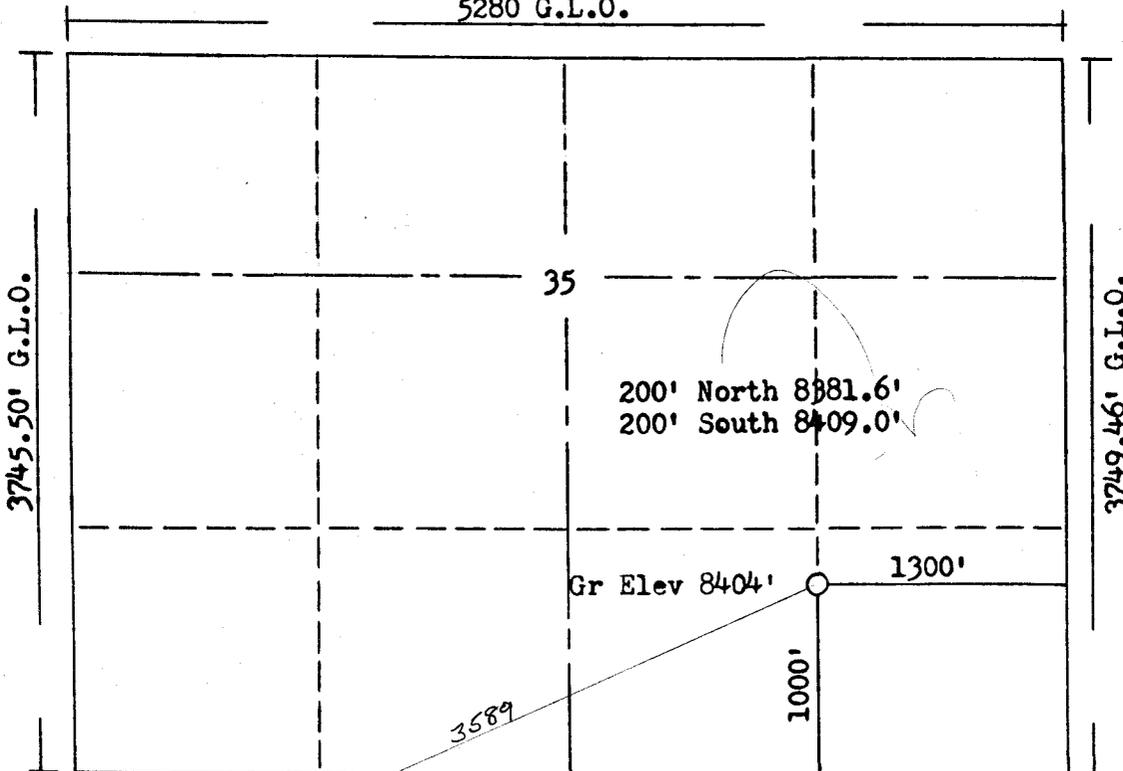
Edward A. Lewis
 Licensed Land Surveyor No. 5443
 State of Utah



Black Horse Mesa

R. 24 E.

5280 G.L.O.



3749.46' G.L.O.

T. 15 1/2 S.

Gr Elev 8404'

1300'

1000'

3589

5280' G.L.O.

*ARCO ST
GW*

*769
857*

5219

*1645
1778*

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from **Cameron Donney**
 for **Odegard Resources, Inc.**
 determined the location of #1 ARCO-Federal
 to be 1000' FSL & 1300' FEL **Section 35 Township 15 1/2 South,**
Range 24 East of the Salt Lake Base and Meridian
Grand County, Utah

*4596
GW
1749
1847
991
2194*

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of #1 ARCO-Federal

Date: 1-21-81

Edward A. Lewis
 Licensed Land Surveyor No. 5443
 State of Utah

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Odegard Resources, Inc.
#1 ARCO - Federal
S $\frac{1}{2}$ SE Sec. 35 T15 $\frac{1}{2}$ S R24E
1000' FSL & 1300' FEL
Grand County, Utah

1. The Geologic Surface Formation

The surface formation is the Wasatch.

2. Estimated Tops of Important Geologic Markers

Mesaverde	1876'
Castlegate	3787'
Mancos	3887'
Dakota	7399'
Morrison	7564'
Total Depth	7700'

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

Castlegate	3787'	Water
Dakota	7399'	Gas
Morrison	7564'	Gas

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 $\frac{1}{4}$ "	0-350'	350'	9 5/8"	36# K-55 8rd	New
8 $\frac{3}{4}$ "	350-4100'	3750'	7"	20# K-55 8rd	New
6 $\frac{1}{4}$ "	4100-7700'	3600'	4 $\frac{1}{2}$ "	10.5# K-55 8rd	New

Cement Program:

Surface casing - 200 sacks Class "G" with 2% CaCl.
Intermediate casing - Class "G" with 2% CaCl, 2 centralizers
Production casing - 50-50 poz mix with 2% Gel, 5% KCL, 3/4% NFR-1 (centralize through pay, displace amount at \pm 6 BPM and reciprocate pipe).

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 nipling up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and 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 and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VISCOSITY sec./qt.</u>	<u>FLUID LOSS cc.</u>
0-350'	Spud	9.0-9.2	40	---
350'-4100'	Air or air mist - if necessary mud up with 2-3% KCL mud	---	---	---
4100'-7700'	Air or air mist	---	----	---

7. The Auxiliary Equipment to be Used

- (a) An upper and lower 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. Mud will be monitored visually.
- (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 drill stem tests are anticipated.
- (b) The logging program will consist of the following:
A DIL from total depth to intermediate casing (detail bottom 2000' of hole); a CNL - FDC - GR bottom 2000' of hole -- run GR to surface (if hole mud filled); FDC - GR, SNP bottom 2000' of hole - run GR to surface (if hole dry).
- (c) No coring is anticipated.
- (d) Completion program will be to acidize with 500 gals. 7½% HCL; fracture with 65,000 gals. 75 quality foam and 65,000# 20/40 sand. Appropriate Sundry Notice will be submitted.

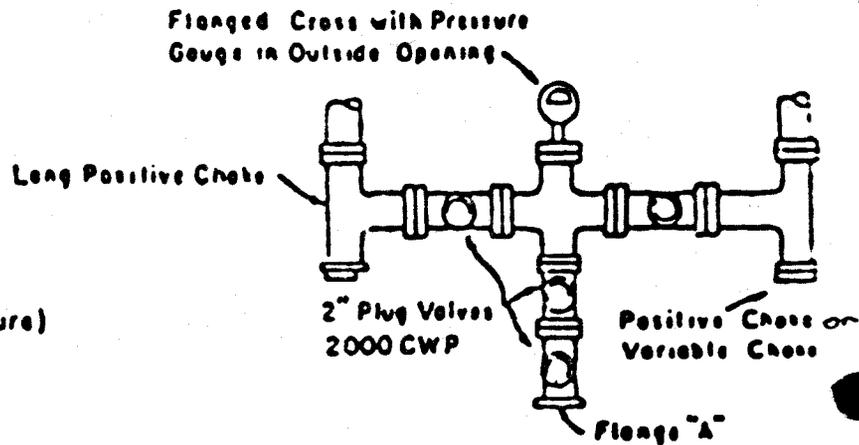
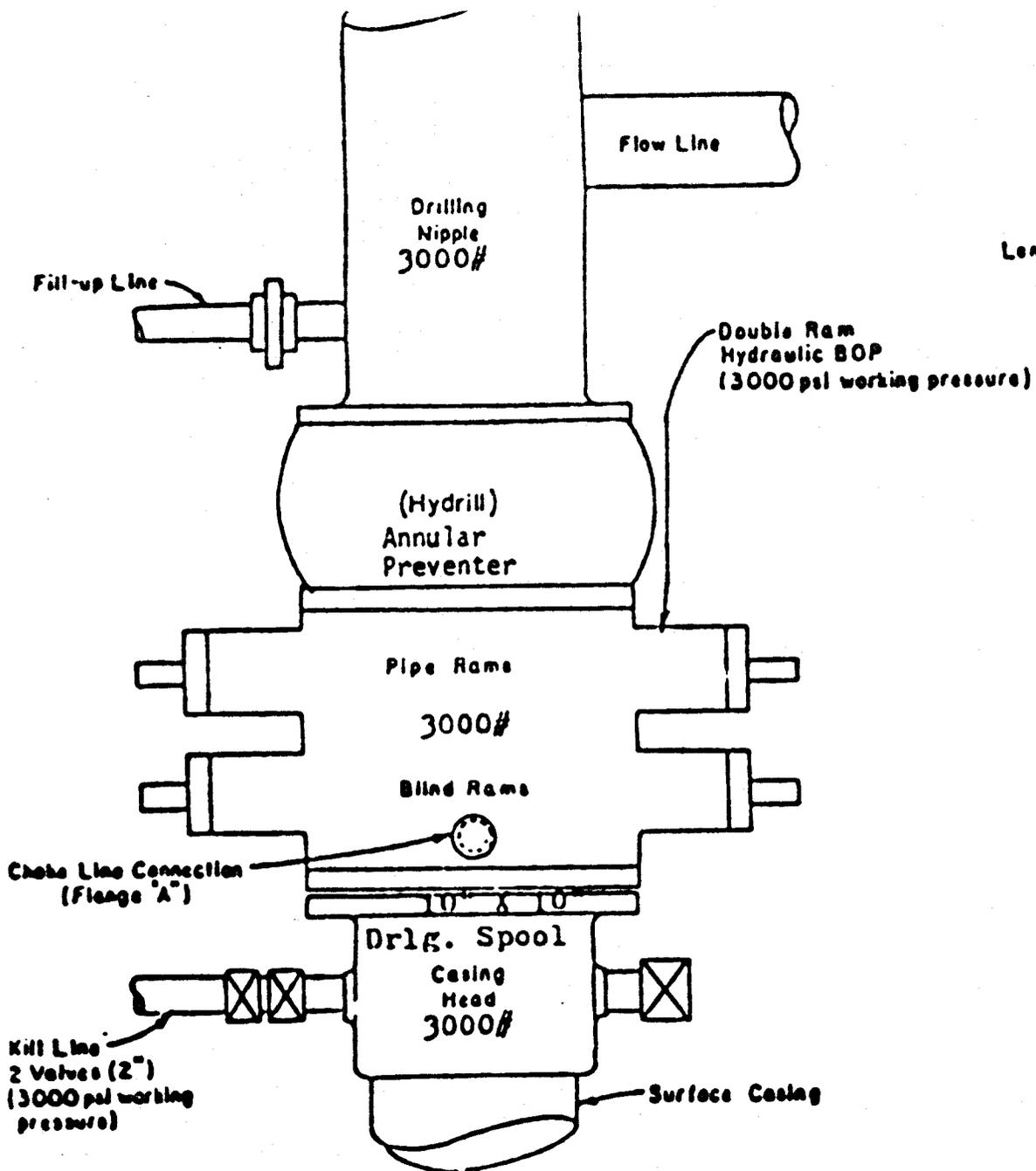
9. Any Anticipated Abnormal Pressures or Temperatures

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 1150 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 will be as soon as possible after examination and approval of drilling requirements. Operations should be completed within 30 days after spudding the well and drilling to the casing point.



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT
DIAGRAM PREVENTER
DIAGRAM

Luis Washam

** FILE NOTATIONS **

DATE: Feb 3, 1981
OPERATOR: Odegard Resources, Inc.
WELL NO: ARCO - Federal #1
Location: Sec. 35 T. 15 1/2 S R. 24E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number 43-019-30790

CHECKED BY:

Petroleum Engineer: M. J. Winder 4-10-81
Per call Bob Dickerson, will get lease permission from affect
leases on northward location 2/23/81

Director: _____

Administrative Aide: C-3(c) spacing - 3000 request submitted w/app.
Too close to gas wells (51?) in 16S, 24E, Ac. 2.

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.

FROM: DISTRICT GEOLOGIST, U.S.G.S., SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-13919OPERATOR: ODEGARD RESOURCES INC. WELL NO. 1LOCATION: NW 1/4 SE 1/4 SE 1/4 sec. 35, T. 15 1/2 S, R. 24 E,
GRAND County, UTAH

1. Stratigraphy: OPERATORS TOPS APPEAR REASONABLE

WASATCH - SURFACE
 MESA VERDE - 1876'
 CASTLEGATE - 3787'
 MANCOS - 3887'
 DAKOTA - 7399'
 MORRISON - 7564'
 T.D. 7700'

2. Fresh Water: USABLE WATER POSSIBLE TO ~ 3780'

3. Leasable Minerals: COAL MAY BE ENCOUNTERED IN THE
MESA VERDE, BUT AT UNMINABLE DEPTHS

4. Additional Logs Needed: NONE

5. Potential Geologic Hazards: NONE

6. References and Remarks: —

Signature: Larry RichardsonDate: 2-14-81

March 10, 1981

Odegard Resources Inc.
650 Cherry Street, Suite 441
Denver, Colorado 80222

Attention: Mr. Cameron Downey

Re: Request for unorthodox location
of the Arco Federal #1, S/4 SE/4,
Sec. 35, T. 15 1/2 S, R. 24E,
Grand County, Utah
(1000' FSL & 1300' FEL)

Dear Mr. Downey,

To process your application to drill the above mentioned gas well, we would ask that you contact these gas well operators within a radius of 4960' of this well, seeking their statement in writing that they have no objection to your proposed location.

Another remedy to this situation may be to petition the Board of Oil, Gas, and Mining for a hearing to establish spacing in this section, or groups of sections. Please feel free to contact me if I can be of further assistance.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

MTM/ko

cc: Cison B. Feight, Director O&M

ARCO Oil and Gas Company
Western District
717-17th Street
Mailing address: P.O. Box 5540
Denver, Colorado 80217
Telephone 303 575 7000



March 31, 1981

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

RECEIVED

APR 2 1981

DIVISION OF
OIL, GAS & MINING

Attn: Mike Minder

Subject: Unorthodox Well Location
Odegard Resources Farmout and
Farmout Option Agreement
Dated January 19, 1981 as amended
T-15 1/2-S, R-24-E
Section 35: 1,000 feet FSL and 1,300 feet FEL
Grand County, Utah
ARCO Lease No. UT-1086
ARCO Contract No. AR-65012
Federal Lease Serial No. U-13919

Gentlemen:

Pursuant to the captioned agreement, our Company farmed out drilling rights to Odegard for an initial Dakota-Morrison test on the E/2 Section 35, T-15 1/2-S, R-24-E, Grand County, Utah, part of Federal Lease Serial Number U-13919.

Odegard now proposes to drill said well at the unorthodox location of 1,000 feet FSL and 1,300 feet FEL of Section 35, T-15 1/2-S, R-24-E, Grand County, Utah.

The purpose of this letter is to officially notify your office that Atlantic Richfield Company has no objection to the captioned location of Odegard's initial well. Please consider this your authority, insofar as our Company is concerned, to issue Odegard whatever drilling permits, etcetera, are necessary for the drilling of this well.

If there are any questions, please call me at (303) 575-7024.

Sincerely,

Stephen R. Case
Landman

SRC:emh

cc: Odegard Resources, Inc.
650 S. Cherry Street
Suite 440
Denver, CO 8022
Attn: Bob Dickinson

April 14, 1981

Odegard Resources, Inc.
650 S. Cherry Street, Suite 441
Denver, Colorado 80222

Re:

Well No. ARCO-Federal #1
Sec. 35, T. 15½S, R. 24E, SE SE
Grand County, Utah

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

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 43-019-30790.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

MTM/ko
cc: USGS

Odegard Resources, Inc.

CHERRY GREEK PLAZA II
650 SOUTH CHERRY STREET, SUITE 440
DENVER, COLORADO 80222

303-388-3685

April 29, 1981

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

Attn: Mr. Cleon Feight, Director

RE: Power of Attorney

Dear Mr. Feight:

Attached for your record and filing is a Power of Attorney from Odegard Resources, Inc., authorizing Mr. Robert C. Dickinson to act as its true and lawful attorney for a period of December 9, 1980 through December 1, 1982.

If you have any questions regarding this Power of Attorney, please contact Mr. Dickinson at the above address.

Sincerely,

ODEGARD RESOURCES, INC.

Sheila Y. Boid
RECEIVED
Sheila Y. Boid
MAY 1 1981

syb

Att.

Well file
Any Odegard
Resources,
INC.

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

THAT, Odegard Resources, Inc., a Delaware corporation of Houston, Texas, hereby makes, constitutes and appoints ROBERT C. DICKINSON of Denver, Colorado, its true and lawful attorney for it and in its name and behalf and for the sole and exclusive benefit of Odegard Resources, Inc. to execute and deliver any and all of the following instruments requiring execution and delivery in the name of the Company: Oil, gas and mineral leases and all applications and offers therefor, assignments of mineral leases and all applications and offers therefor, assignments of oil, gas and mineral leases and applications and offers therefor, or of any interest therein, and all statements of interest and holdings and any other necessary statements which are or may be required by the Federal Leasing Regulations of the United States of America in respect thereof; unitization agreements and declarations; plans of development, designation of participating areas, applications for oil, gas and mineral leases, government permits, priorities and allocations, or for the renewal and extension thereof or suspension of obligations thereunder, or for the approval of assignments or releases of oil, gas and mineral leases, or interest therein, applications, bonds, permits and all other instruments with the United States Government or any agency thereof, and the States and Territories of the United States, or agencies thereof, TOGETHER with power and authority to execute lease bonds, operator's bonds, bonds on communitization agreements, consents of surety, and agreements indemnifying sureties on such bonds, and TOGETHER with full power and authority to execute any amendments; modifications, supplements, releases, renewals, extensions, cancellations, assignments and transfers of and pertaining to any of the instruments herein set forth, and to supply all things necessary or desirable to enable transfer or dispose of any and all rights created or evidenced by such instruments with full force and effect as if authority had been granted in each particular case by the Board of Directors of this Company, hereby expressly ratifying and confirming any and all acts heretofore performed under and by virtue of the powers and authority hereby conferred.

Not by way of limitation, but by way of confirmation, the powers and authority hereby conferred shall include any and all of the above-described instruments and rights which may cover or pertain to lands of the United States or any State or Territory thereof, or oil, gas and mineral rights owned by the United States or any State or Territory thereof; or Tribal and Allotted Indian Lands.

Odegard Resources, Inc. hereby agrees to be bound by all acts and representations of ROBERT C. DICKINSON, done or made pursuant to the power and authority herein granted and waives all defenses to disaffirm or negate all actions performed by him, pursuant hereto.

Odegard Resources, Inc. represents and warrants that there is not now any agreement or understanding, oral or written, between it and the said ROBERT C. DICKINSON, and that it will not during the term hereof enter into any agreement or understanding with him, whereby he acquire, or will acquire in any manner whatsoever, any interest in any oil, gas or mineral lease or any application or offer therefor, or any assignment thereof, executed by him, as attorney for Odegard Resources, Inc. pursuant to the

power and authority granted herein. Further, the power and authority granted herein is subject to the specific limitation that the exercise thereof shall be for the sole and exclusive benefit of Odegard Resources, Inc. and not in behalf of any other person in whole or in part.

The power and authority hereby conferred upon said person shall be effective December 9, 1980 and shall continue in full force and effect until December 1, 1982, unless such power and authority is expressly and duly revoked at an earlier date by the Board of Directors of this Company and evidence thereof is duly filed or recorded in any office of the Bureau of Land Management or any registry in which this instrument is filed or recorded.

The President and the Secretary be, and they hereby are, authorized to execute and attest any and all instruments evidencing the power and authority hereby conferred upon said named person in the first paragraph hereof.

EXECUTED this 27 day of April, 1981.

ODEGARD RESOURCES, INC.

By: M. A. Odegard
M. A. Odegard, President

Asst Barbara Easterly
Secretary

WITNESSES:

Peggy Hickman
Sara Couch

THE STATE OF TEXAS)
)
COUNTY OF HARRIS)

On this 27th day of April, 1981, before me appeared M. A. Odegard, to me personally known, who, being by me duly sworn, did say that he is the President of Odegard Resources, Inc., and that the seal affixed to the foregoing instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said M. A. Odegard acknowledged said instrument to be the free act and deed of said Corporation.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 27th day of April, 1981.

Sherry Lee Volz
Notary Public in and for Harris
County, State of Texas

SHERRY LEE VOLZ
Notary Public State of Texas
My Commission Expires August 21, 1984
Bonded by L. Alexander Lovett, Lawyers Surety Corp.

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name ODEGARD RESOURCE, INC. ARCO FEDERAL
1
Project Type GAS WELL
Project Location SEC 35 T15&S R24E
Date Project Submitted 1-30-81

FIELD INSPECTION

Date 7-30-81

Field Inspection
Participants

GEORGE DIWACHAK USGS
WARD JARMEN BLM
DON DUNKLEY ODEGARD
DALLAS GALLEY GALLEY CONST.

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.

8-3-81

Date Prepared

George Diwachak
Environmental Scientist

I concur

AUG 05 1981

Date

W.P. Martin

District Supervisor

FOR

E. W. GYNN
DISTRICT ENGINEER

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety	1 (8-3-81)					2	6	6 (7-30-81)	4, 8
2. Unique charac- teristics	1					2	6	6	4, 8
3. Environmentally controversial	1						6	6	4, 8
4. Uncertain and unknown risks	1					2	6	6	4, 8
5. Establishes precedents							6	6	4
6. Cumulatively significant							6	6	4
7. National Register historic places	1								
8. Endangered/ threatened species	1								
9. Violate Federal, State, local, tribal law							6	6	4, 8

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
8. RECOMMENDED STIPULATIONS



ODEGARD # 1

↑
NW

RECOMMENDED STIPULATIONS

1. IF WELL IS PRODUCTIVE, THE ACCESS ROAD WILL BE UPGRADED TO AN 18 FEET WIDE CROWNED AND DITCHED ROAD WITH A TOTAL DISTURBED WIDTH OF 30-32 FEET
2. WATER AGREEMENTS ARE NECESSARY FOR USE OF THE SOUTH CANYON WATER SOURCE
3. TRASH SHALL BE CONFINED TO A TRASH CAGE AND REMOVED TO AN AUTHORIZED LANDFILL
4. THE BLOOIE PIT SHALL BE TIED IN TO THE RESERVE PIT BY A SLOPED TRENCH. THE BLOOIE LINE MUST BE AT LEAST 125 FEET IN LENGTH.
5. TOPSOIL SHALL BE STOCKPILED ON THE EAST SIDE OF THE LOCATION
6. SEE BLM STIPULATIONS



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

August 3, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West, 1700 South
Salt Lake City, Utah 84104

Re: Odegard Resources, Inc.
Arco Federal #1
Sec. 35, T15½S, R24E
#U-13919
Grand County, Utah

Dear Sir:

A joint field examination was made on July 31, 1981, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following revisions and stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required.
3. The BLM will be notified at least 24 hours prior to any construction.
4. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.



5. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
6. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
7. PR Spring may not be used as a water source.
8. Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled separately from the topsoil.
9. It was agreed to by all parties present that the applied for dimensions are adequate to handle all drilling and fracturing operations.
10. The top 6 to 12 inches of topsoil will be stockpiled between reference corners B' and C'.
11. The well is located in the winter shut down location. In order to minimize watershed damage, drilling, exploration, and other development activity will be allowed only during the period from April 30 to November 1. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with concurrence of the District Manager, B.L.M.
12. If water is hauled from South Canyon, the road will be watered to keep the dust settled.

A cultural resource clearance was done by the Powers Elevation Company. No cultural material were found.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats as long as the above stipulations are adhered to.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,



Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Vernal

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

2. NAME OF OPERATOR
Odegard Resources, Inc.

3. ADDRESS OF OPERATOR
650 S. Cherry St., Suite 441, Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 1000' FSL & 1300' FEL (S½ SE)
At proposed prod. zone: Same
DIVISION OF OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Location is 59.9 miles from Fruita, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1000'

16. NO. OF ACRES IN LEASE
454.24

17. NO. OF ACRES ASSIGNED TO THIS WELL
227.12

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

19. PROPOSED DEPTH
7700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8404' GR

22. APPROX. DATE WORK WILL START*
As soon as Approved

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 ¼"	9 5/8" New	36# K-55 8rd	350'	200 sx. Class "G" w/ 2% CaCl
8 3/4"	7" New	20# K-55 8rd	4100'	Class "G" w/ 2% CaCl
6 ¼"	4 ½" New	10.5# K-55 8rd	7700'	50-50 poz W/ 2% Gel, 5% KCL

1. Drill 12¼" hole and set 9 5.8" surface casing to 350' with good returns.
2. Drill 8 3/4" hole and set 7" intermediate casing and cement.
3. Log B.O.P. checks in daily drill reports and drill 4½" hole to 7700'.
4. Run tests if warranted and run 6¼" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" 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 Robert C. Robinson TITLE Denver Manager DATE 1/20/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY WJ Montee FOR E. W. GUYNN DISTRICT ENGINEER DATE AUG 05 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

NOTICE OF APPROVAL

ST. CG

*Original
Received*

NOTICE OF SPUD

Caller: Tom Dunkley

Phone: _____

Well Number: 0100 Feed #1

Location: SE SE 35-15E S-29E

County: Grand State: Utah

Lease Number: 11-13919

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6:30 P.M. 8/17/81

Dry Hole Spudder/Rotary: Nicox # 44

Details of Spud (Hole, Casing, Cement, etc.) _____

200 ft at 955

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Wicki

Date: 8/18/81

Odegard Resources, Inc.

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

303-623-4732

October 19, 1981

Mr. Jack Feight
Utah Div. of Oil,
Gas & Mining
1588 W. North Temple
Salt Lake City, UT 84116

RECEIVED
OCT 21 1981
DIVISION OF
OIL, GAS & MINING

RE: TIGHT HOLE
Well Completion Report
Lease U-13919
Arco Federal #1

Dear Mr. Feight:

Attached please find a "Tight Hole" completion report on the following well:

ARCO Federal #1
Sec. 35-15½S-24E
Grand County, Utah

The original form mailed to you from our field office was not stamped "TIGHT HOLE". Please replace this copy with the other. Thank you for giving this matter your prompt attention.

This will also confirm my conversation this date with Cindy in well records, whereby I informed her to make this change on the report form you received.

Sincerely,

ODEGARD RESOURCES, INC.

Sheila Y. Boid
Sheila Y. Boid
Office Manager

syb

Att.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See other instructions on reverse side)

16

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
ODEGARD RESOURCES, INC.

3. ADDRESS OF OPERATOR
3070 One Denver Pl.; 999 18th St.; Denver, Colo 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1000' FSL 1300' FEL (S $\frac{1}{2}$ SE)
At top prod. interval reported below same
At total depth same

TIGHT HOLE

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
U-13919

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
ARCO Federal

9. WELL NO.
1 (one)

10. FIELD AND POOL, OR WILDCAT
East Canyon Field

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

Sec. 35-R15 $\frac{1}{2}$ S-R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

15. DATE SPUDDED 8/17/81 16. DATE T.D. REACHED 9/13/81 17. DATE COMPL. (Ready to prod.) 10/8/81 18. ELEVATIONS (DF, REB, RT. GR, ETC.)* 8404GR 19. ELEV. CASINGHEAD 8404

20. TOTAL DEPTH, MD & TVD 7788 KB 21. PLUG, BACK T.D., MD & TVD 7625 PBDT 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 7788' CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Buckhorn 7583' - 7609'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL-FDC-GR DIL-GR-Surface pipe-TD

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"	36#	238'KB	12 1/4"	Class G to surface	none
7"	23#	4069'KB	8 3/4"	100 sx 50-50 poz/50sx	H none
4 1/2"	11.6#	7768'KB	6 1/4"	50-50 poz/Top @ 7140'	KB none

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7548'KB	none

31. PERFORATION RECORD (Interval, size and number)
9 shots-.32" @ 7583', 85, 87, 89, 91, 93, 95, 97, 7599'KB

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7583'-7599'	500 gals Dowell MSR acid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
		SI-WO pipeline

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/8/81	6	N/A	→	none	130.5	none	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
550	600	→	none	522 MCFPD	none	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented - for test only

TEST WITNESSED BY
D.R. Dunckley; Jamie Sparger

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED D.R. Dunckley TITLE Engineer DATE 10/14/81

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

COPY TO PARTNERS
DATE 10/17/81
10/19/81

INSTRUCTIONS

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

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 30.

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREON; 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.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Buckhorn	7583'	7609'	Current producing zone	Bucktongue	3463'
Morrison	7630'	7659'	Perf, acidize, and test - No gas or fluid recovery.	Castlegate	3766'
				Mancos	3840'
				Dakota silt	7400'
				Dakota	7460'
				Buckhorn	7582'
				Morrison	7624'

TIGHT HOLE



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

November 3, 1983

Odegard Resources, Inc.
3070 One Denver Pl.
Denver, Colorado 80202

RE: Well No. Arco Federal # 1
API # 43-019-30790
Sec. 35, T. 15 1/2S, R. 24E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office October 14, 1981, from above referred to well, indicates the following electric log were run: CNL-FDC-GR, DIL-GR-Surface pipe-TD. As of today's date, this office has not received these logs: CNL-FDC-GR, DIL-GR-Surface pipe-TD.

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.

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 acknowledgment should avoid unnecessary mailing of a 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 "Claudia Jones".

Claudia Jones
Well Records Specialist

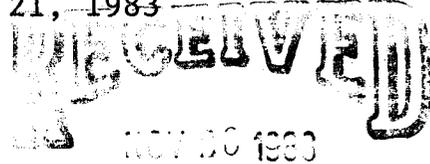
CJ/cj

Odegard Resources, Inc.

333 NORTH BELT EAST SUITE 300
HOUSTON, TEXAS 77060

713/999-5530

November 21, 1983



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

Attention: Claudia Jones
Well Records Specialist

DIVISION OF
OIL, GAS & MINING

Re: Arco Federal No. 1
API No. 43-019-30790
Sec. 35, T. 15½S, R. 24E
Grand County, Utah

File

Gentlemen:

Per your request, enclosed is one copy each of the CNL-FDC-GR and DIL-GR from surface pipe to TD for the referenced well.

Very truly yours,

ODEGARD RESOURCES, INC.

A handwritten signature in cursive script that reads "Sally Schmidt".

Sally Schmidt

/sjs

Enclosures

RECEIVED BY STATE OF UTAH NATURAL RESOURCES

Date: _____ Signature Claudia Jones



Telephone (303) 242-8271

GLEASON ENGINEERING
Petroleum & Energy Consultants

HART C. GLEASON
Registered Professional Engineer
711 Daniel Drive
Grand Junction, Colorado 81501-81506

ODEGARD RESOURCES

Arco Federal #1

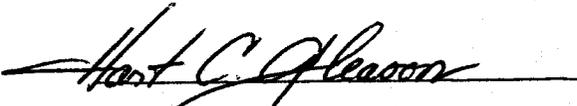
S/2 SE/4 Sec. 35, T15½S, R24E

Grand County, Utah

Elevations: 8404' GL; 8423' K.B.

CHRONOLOGICAL REPORT OF ABANDONMENT

July 29 through August 10, 1986


Hart C. Gleason, P.E.

ODEGARD RESOURCES
Arco Federal #1
S/2 SE/4 Sec. 35, T15½S, R24E
Grand County, Utah
Elevations: 8404' GL; 8423' K.B.

July 29, 1986 (Tuesday)

Rippy, Inc. on location as abandonment contractor. Hauled in cement, mud materials, water and camp facilities. Made certain tubing was free. With bottom of tubing at 7518' K.B., mixed and pumped 15 sack cement plug to cover perforated interval (7583'-7656'). Power tongs failed. Broke out and pulled 30 joints tubing.

Mr. John Shufflebarger of the Vernal BLM office personally witnessed the mixing and pumping and tag where appropriate of all cement plugs set.

July 30, 1986 (Wednesday)

Found tubing stuck in the hole. *The only explanation for having tubing cemented in the hole and finding the freepoint so far up-hole (5470') would be to have had a hole in the tubing.

July 31, 1986 (Thursday)

Attempting to shoot off tubing with Rippy wireline unit. Electrical and mechanical problems.

August 1, 1986 (Friday)

Same activity as Thursday.

August 2, 1986 (Saturday)

Same activity as Friday. Finally decided to bring in Gearhart to freepoint and shoot off the tubing.

August 4, 1986 (Monday)

Gearhart on location. Established freepoint and shot off tubing at 5470'.* Mixed 9#/gal. mud per BLM requirements. Mixed and pumped 15 sack cement plug spotted from 5250' to 5450'. Pulled 50 joints tubing.

August 5, 1986 (Tuesday)

Finished P.O.H. with tubing. (Recovered 199 joints tubing--6463'; all tubing has slight bow). Filled hole with mud; held fluid. Broke wellhead off. Welded on 4½" pickup joint. Rigged up hydraulic

August 5, 1978(Tuesday) continued

jacks over the hole. Removed wellhead slips. Worked 4½" casing and calculated freepoint at 5000'.

R.I.H. with dummy shot; only able to get to 3800' because of the heavy mud specified by the BLM.

R.I.H. with actual shot to shoot off the 4½" casing. Only able to get down to 3800'. Pulled up to casing collar at 3788'. Took strain on 4½" casing and detonated shot. Pipe came free. Pulled and laid down 4 joints casing.

August 6, 1986 (Wednesday)

0700 hrs. Finished pulling 4½" 11.6# N-80 casing out of hole. Recovered 99 pieces totalling 3772.29' overall. However, the landing joint and bottom (shot-off) joint were cut offs.

1300 hrs. R.B.I.H. with 2 3/8" tubing. Tagged 4½" casing stub at 3778' with 116½ joints in. Worked down through 4½" casing stub to 3867' with 119 joints.

Mixed 13 bbls. heavy mud in tank to have it ready for displacement after pumping plug.

Mixed and pumped 30 sack cement plug and displaced with 13 bbls. mud. Plug spotted across the 4½" stub from 3635' to 3867'.

1730 hrs. P.O.H. with 30 joints tubing. Tubing pulled dry
to
1800 hrs.

August 7, 1986 (Thursday)

0700 hrs. R.I.H. with tubing to tag above plug. BLM representative witnessed tag at 3658' (209' of vertical fill up). Therefore, above plug indicated as from 3658' to 3867'.

0830 hrs. Pumped 5 bbls. water down tubing to fill hole.

Loaded 79 joints of the recovered 4½" 11.6# N-80 casing on truck float.

1030 hrs. P.O.H. with tubing.

Dug out 6' deep hole around bradenhead. Removed wellhead to expose the 4" casing. Welded on a pickup sub. Picked 7" donut up out of bradenhead.

1400 hrs. Worked 7" casing to determine free point. Indicated at 1500'.

August 8, 1986 (Friday)

- 0700 hrs. Made up shot to shoot off the 7" intermediate casing. Tried to R.I.H. with shot on wireline. Apparently very heavy mud came into hole from behind the 4½" casing. Unable to get shot below 250' P.O.H. with undetonated shot.
- 0930 hrs. Trying dummy run with shooting can of smaller diameter and with a heavier weight. Made two dummy runs to 1500' with the smaller can and the heavier weight.
- 1130 hrs. Prepared new shot in the smaller can. R.I.H. to 1386'.
- 1230 hrs. Detonated shot. 7" casing came free.
Rigged down hydraulic jacks. Rigged up to lay down 7" casing. Recovered 43 full joints, one joint with threads blown off and a 9.90' landing joint--overall measurement 1379.07'.
- 1630 hrs. R.I.H. with 44 joints tubing (1492.68').
- 1830 hrs. Mixed and pumped 60 sack cement plug and spotted it from 1492' up to 1292' (across 7" casing stub).
- 1930 hrs. Pulled 34 joints tubing, leaving 10 joints in the hole (i.e. at 325'). Mixed LCM and 5 sacks cement and pumped downhole in preparation for 72 sack plug in and out of the 9 5/8" surface casing.
- 2030 hrs. W.O.C. overnight.

Note: Mr. Shufflebarger of the BLM office understandably desired that the hole would stay full of fluid prior to spotting the programmed 72 sack cement plug in and out of the 9 5/8" surface casing shoe at 238' K.B.

August 9, 1986 (Saturday)

- 0700 hrs. R.I.H. with 3 additional joints of tubing (total of 13) to 421' without tagging the 5 sack plug.
Laid down the extra 3 joints plus 4 more joints to put bottom of tubing at 197' (up inside the 9 5/8" surface casing).
Mixed LCM. Trying to circulate the hole. Hole taking fluid.
Mixed mud with cement and LCM and pumped down hole. Waited 2 hours. Hole still taking fluid.
- 1530 hrs. Filled hole with water and checked fluid drop; indicated at 1 ft/2 min.
- 1630 hrs. Subsequent check at 1630 hrs. indicated fluid had dropped 70' in

August 9, 1986 (Saturday) continued

1630 hrs. in 90 minutes--i.e. 3/4' per minute.

At this time the engineering consultant contacted Mr. Jerry Kenczka of the Vernal BLM office and reported the efforts and expense expended in trying to fill the hole. Mr. Kenczka understood the problem and approved the omission of the plug in and out of the 9 5/8" shoe, and approved the setting of a significant plug inside the 9 5/8" casing providing that we could set a plug in the base of the 9 5/8" casing that we could tag and would hold the hole full of fluid.

1700 hrs. With bottom of tubing at 256', mixed and pumped 10 sack cement plug. Displaced with 1/2 bbl. water. P.O.H. with tubing.

1730 hrs. W.O.C.

2030 hrs. At end of 3 hrs. R.I.H. with tubing and checked fluid level at 160' from surface. This reflected about a 90' drop in fluid level in 3 hrs. (1/2' per minute).

R.I.H. with 4 joints tubing (i.e. 128'). Mixed and pumped a 10 sack cement plug with a CaCl₂ accelerator. A "hot" plug.

2100 hrs. P.O.H. with tubing. W.O.C. overnight.

August 10, 1986 (Sunday)

0700 hrs. R.I.H. with tubing. Physical tag at 214' (Correction for K.B. measurements calculate top of plug is 12' up inside the 9 5/8" surface casing).

Filled hole above plug with water. No leak off.

0800 hrs. Mixed and pumped 50 sack cement plug and spotted plug inside the 9 5/8" casing from 214' up to 76' P.O.H. with tubing.

0900 hrs. Rigging down Rippy equipment. Removing bradenhead for salvage.

Mixed 10 sack cement plug for the top of the 9 5/8" 36 # surface casing. Welded cap over top of the 9 5/8" casing and set a regulation marker.

Job completed. Used a total of 205 sacks of cement in plugging this well.

Moved hydraulic jacks and part of rig auxiliary equipment down to Arco Federal Well #2.



Telephone (303) 242-8271

GLEASON ENGINEERING
Petroleum & Energy Consultants

HART C. GLEASON
Registered Professional Engineer
711 Daniel Drive
Grand Junction, Colorado ~~81501~~ 81506
September 4, 1986

RECEIVED
SEP 24 1986

DIVISION OF
Utah Division of Oil, Gas and Mining **OIL, GAS & MINING**
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ronald J. Firth, Associate Director of Oil & Gas
John Boza, Petroleum Engineer

Re: Abandonment, Odegard Resources
Arco Federal #1 and #2
Sec. 35, T15½S, R24E
Grand County, Utah

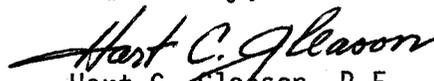
Gentlemen:

I have supervised and completed downhole abandonment operations on subject two wells.

Enclosed for your information and files, find copies of United States Department of Interior Form 3160-5 (with attachments) as submitted to the Vernal Office of the BLM.

Bids for surface rehabilitation have been solicited and this work will be completed to BLM requirements in the immediate future.

Yours truly,


Hart C. Gleason, P.E.

HCG:pag
Enclosures:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

100708

5. LEASE DESIGNATION AND SERIAL NO
U 13919

3
16

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Odegard Resources, Inc.

3. ADDRESS OF OPERATOR c/o Omni Exploration
1989 Camero Ave., Suite B, Columbus, Ohio 43207

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1000' FSL, 1300' FEL
(SE/4 SE/4 Sec. 35)

14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8404' GL; 8423' K.B.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N.A.

7. UNIT AGREEMENT NAME
N.A.

8. FARM OR LEASE NAME
Arco Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
East Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T15½S, R24E

12. COUNTY OR PARISH 13. STATE
Grand Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)

Subject well was abandoned under BLM surveillance as per the attached, detailed, chronological report. A total of 205 sacks of Portland cement was used.

RECEIVED
SEP 24 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED Hert C. Johnson, P.E.

TITLE Consulting Engineer & Agent

DATE August 25, 1986

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

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

DATE: 10-3-86

BY: [Signature]

*See Instructions on Reverse Side