



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

September 10, 1981

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

RE: Filing Application for Permit to Drill
Phelps Dodge Fuel Development Corporation
#3 Canyon Unit
NW NW Sec. 15 T31S R24E
820' FNL & 660' FWL
San Juan 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 for the above-referenced well. A Blowout Preventer is not being used.

Please return the approved copies to:

Mr. Jim Steidley
Phelps Dodge Fuel Development Corporation
Energy Center 1720
717 17th Street
Denver, Colorado 80202

Very truly yours,

POWERS ELEVATION

Connie L. Frailey
Connie L. Frailey
Vice President, Environmental Services

CLF/kls
Enclosures

cc: Mr. Jim Steidley

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Phelps Dodge Fuel Development Corporation

3. ADDRESS OF OPERATOR
 Energy Center 1720, 717 17th Street, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 820' FNL & 660' FWL (NW NW)
 At proposed prod. zone
 Same

12. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 23.5 miles Northeast of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

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.)
 5867' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---------------------------|
| 8 3/4" | 7" New | 23# J-55 8rd | 110' | 20 sx regular + additives |
| 6 1/4" | 4 1/2" New | 12.6# H-40 8rd | 1500' | 20 sx regular + additives |

1. Conductor pipe is anticipated for a short interval.
2. Drill 8 3/4" hole and set 7" surface casing to 110' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 6 1/2" hole to 1500'.
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:

- | | | | |
|-------------------------|--|-----|---------------------|
| "A" | Location and Elevation Plat | "H" | Drill Rig Layout |
| "B" | The Ten-Point Compliance Program | "J" | Rehabilitation Plan |
| "C" | N/A | | |
| "D" | The Multi-Point Requirements for A.P.D. | | |
| "E" & "E ₁ " | Access Road Maps to Location | | |
| "F" | Radius Map of Field | | |
| "G" & "G ₁ " | Drill Pad Layout, Production Facilities & Cut-Fill Cross-Section | | |

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

24. SIGNED J.A. Paul TITLE General Manager DATE 9/9/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
 U-15933

6. INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 East Canyon Unit

8. FARM OR LEASE NAME
 Canyon Unit

9. WELL NO.
 3

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15 T31S R24E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

16. NO. OF ACRES IN LEASE 1600

17. NO. OF ACRES ASSIGNED TO THIS WELL 10

19. PROPOSED DEPTH 1500'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 September 29, 1981

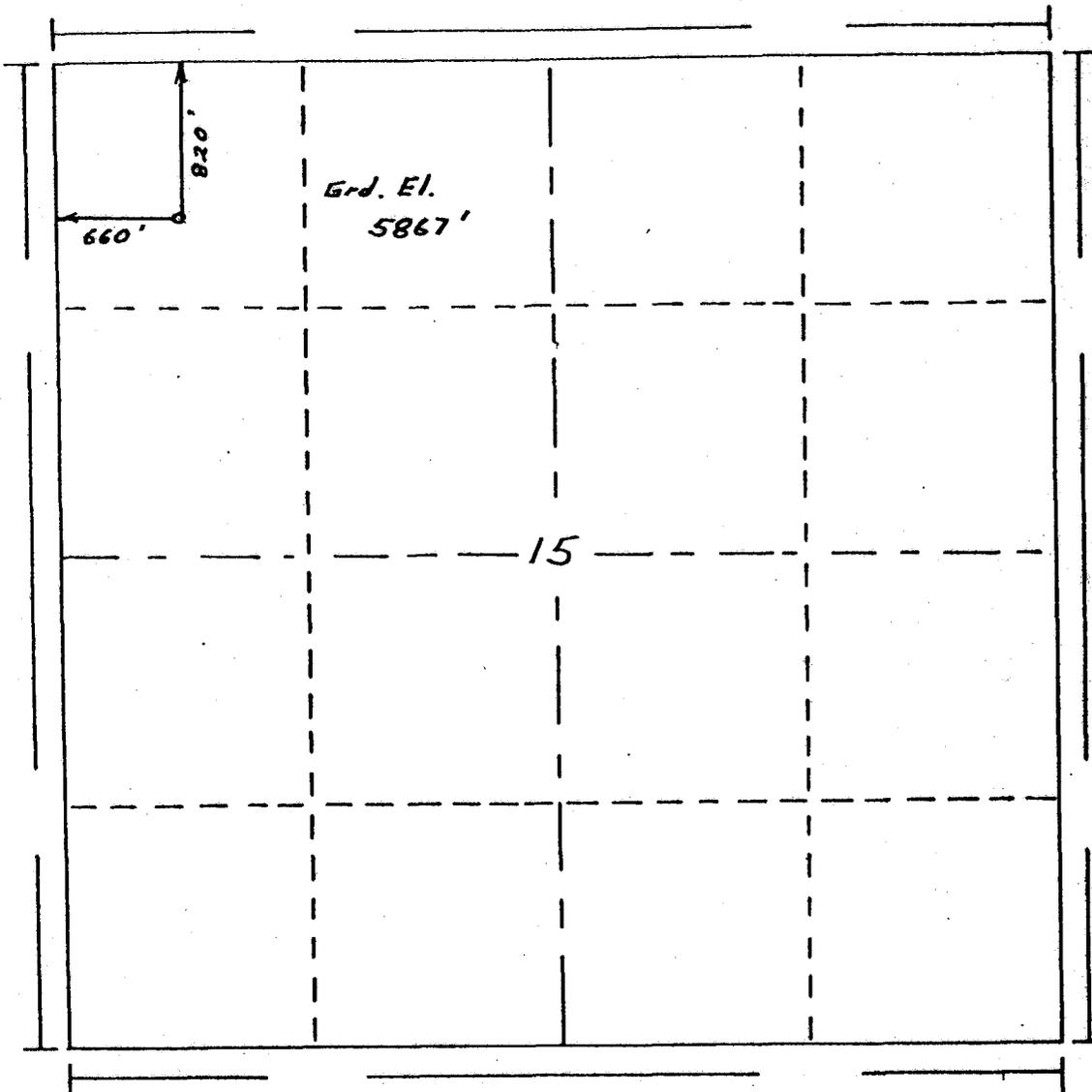


FORM 7100

EXHIBIT "A"

Location & Elevation Plat

R. 24 E.



T. 31 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from *Donna Phelps*
 for *Phelps Dodge*
 determined the location of # 3 Canyon Unit
 to be 820' FNL & 660' FWL Section 15 Township 31 South
 Range 24 East Salt Lake Meridian
 Sanduan County, Utah

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

Date: 26 Aug. '81

T. Nelson
 Licensed Land Surveyor No. 2711
 State of Utah

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Phelps Dodge Fuel Development Corporation
#3 Canyon Unit
NW NW Sec. 15 T31S R24E
820' FNL & 660' FWL
San Juan County, Utah

1. The Geologic Surface Formation

The surface formation is the Navajo.

2. Estimated Tops of Important Geologic Markers

| | |
|-------------|---------|
| Navajo | Surface |
| Kayenta | 250' |
| Windgate | 530' |
| Chinle | 825' |
| Total Depth | 1500' |

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

| | | |
|----------|---------|--|
| Navajo | Surface | Water in small amounts |
| Kayenta | 250' | Water in small amounts |
| Windgate | 530' | Water in small amounts |
| Chinle | 825' | Water volume estimated at 25 gallons/minute |
| Chinle | 1185' | Water in small amounts and Oil |

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> |
|----------------------|-----------------|---------------------------|----------------------|--------------------------------------|------------------------|
| *8 3/4" | 0-110' | 110' | 7" | 23# J-55 8rd | Used |
| 6 1/4" | 0-1500' | 1500' | 4 1/2" | 12.6# H-40 8rd | New |

*Conductor Pipe is anticipated for a short interval.

Cement Program:

Surface Casing - 20 sacks regular + additives (PC-60) and circulate
Production Casing - 20 sacks regular + additives

5. The Operator's Minimum Specifications for Pressure Control

A Blowout Preventer will not be used. A rotating head will be used while drilling.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be ariated polymer mud 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> |
|--------------|---------------------|----------------------|---------------------------|-----------------------|
| 0-1500' | Ariated polymer mud | --- | --- | --- |

7. The Auxiliary Equipment to be Used

- (a) Neither an upper nor lower kelly cock will be kept in the string.
- (b) A float will not 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 not 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:
Electrical survey and density, T.D. to base of Surface Casing.
- (c) No coring is anticipated.
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, 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 less than 300.

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 September 29, 1981, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 3 days after spudding the well to casing point.

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

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-15924OPERATOR: PHELPS DODGE FUEL DEVELOPMENT CORPORATION WELL NO. 1LOCATION: NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 31S., R. 24E., SLMSAN JUAN County, UTAH

| | | |
|------------------|-----------|--------------|
| 1. Stratigraphy: | NAVAJO | SURFACE |
| | KAYENTA | 290' |
| | WINGATE | 490' |
| | CHINLE | 895' |
| | <u>TD</u> | <u>1300'</u> |

2. Fresh Water: FRESH WATER MAY BE ENCOUNTERED FROM SURFACE TO TOP OF CHINLE.

3. Leasable Minerals:

NO KNOWN LEASEABLE MINERALS AT THIS DEPTH.

RECEIVED

JUL 20 1981

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

4. Additional Logs Needed: MINIMUM RESISTIVITY LOG.

5. Potential Geologic Hazards: NONE EXPECTED

6. References and Remarks:

Signature: David R. Krespa

Date: 7-17-81

United States Department of the Interior
Geological Survey

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Phelps Dodge Fuel Development Corp. / 3 Canyon Unit
 Project Type Single zone oil explorational well
 Project Location 820' FNL / 660' FWL, Sec. 15, T. 31 S., R. 24 E.
San Juan County, Utah
 Lease Number U-15922
 Date Project Submitted September 11, 1981

FIELD INSPECTION

Date September 15, 1981

Field Inspection
Participants

Paris Amend - Phelps Dodge
Reed Wilson / Brian Wood - Bureau of Land Management
Gerald Huddleston - surveyor, Powers Elevation Co.
Tom Parry - archaeologist, Powers Elevation Co.
H.B. Beaman / Steve Kasanke - Beaman Drilling Co.
Emmett Doyal - Urado Construct
Dan Englishman - USGS

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A. | Federal or State Agency | | | Local and Private Correspondence | Previous NEPA documents | Other Studies and Reports | Staff Expertise | Onsite Inspection (date) | Other |
|---|-------------------------|-------------|----------|----------------------------------|-------------------------|---------------------------|-----------------|--------------------------|-------|
| | Correspondence | Phone Calls | Meetings | | | | | | |
| 1. Public health and Safety | | | | | | ✓ | ✓ | | |
| 2. Unique Characteristics | | | | | | | ✓ | | |
| 3. Environmentally Controversial | | | | | | | ✓ | | |
| 4. Uncertain and Unknown Risks | | | | | | | ✓ | | |
| 5. Establishes Precedent | | | | | | | ✓ | | |
| 6. Cumulatively Significant | | | | | | | ✓ | | |
| 7. National Register Historic Places | ✓ 2 | | | | | | | | |
| 8. Endangered or Threatened Species | ✓ 2 | | | | | | | | |
| 9. Violate Federal, State, Local or Tribal Laws | | | | | | ✓ | ✓ | | |

September 16, 1981 / T.E.E.
Date Prepared

George Dzwachak For
Signature of Preparer D. Englishman

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.

SEP 18 1981
Date

for [Signature]
District Supervisor



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

IN REPLY REFER TO

T31SR24E Sec. 15
(U-069)

September 14, 1981

Memorandum

To: USGS, Durango, CO
From: Area Manager, San Juan
Subject: Phelps Dodge Fuel Development Corporation, Canyon Unit #3

We concur with approval of the Application for Permit to Drill.

Edward L. Schuch

RECEIVED

SEP 16 1981

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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
Phelps Dodge Fuel Development Corporation

3. ADDRESS OF OPERATOR
Energy Center 1720, 717 17th Street, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface 820' FNL & 660' FWL (NW NW)
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Location is 23.5 miles Northeast of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 1600

17. NO. OF ACRES ASSIGNED TO THIS WELL 10

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

19. PROPOSED DEPTH 1500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5867' GR
22. APPROX. DATE WORK WILL START* September 29, 1981

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---------------------------|
| 8 3/4" | 7" New | 23# J-55 8rd | 110' | 20 sx regular + additives |
| 6 1/4" | 4 1/2" New | 12.6# H-40 8rd | 1500' | 20 sx regular + additives |

1. Conductor pipe is anticipated for a short interval.
2. Drill 8 3/4" hole and set 7" surface casing to 110' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 6 1/4" hole to 1500'.
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:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" N/A
- "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-Section
- "H" Drill Rig Layout
- "J" Rehabilitation Plan

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 _____ TITLE _____ DATE 9/9/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *W.P. Martin* FOR E. W. GUYNN, DISTRICT OIL & GAS SUPERVISOR. DATE SEP 21 1981
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

State Oil & Gas

RECEIVED
SEP 23 1981
DIVISION OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Phillips Dodge Paris Amend (303) 534-4252

WELL NAME: Canyon Unit #3

SECTION 15 TOWNSHIP 31S RANGE 24E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 1500'

CASING PROGRAM:
7" @ 103' Cement to surface

FORMATION TOPS:
Kayenta 260'
Wingate 460'
Chinle 780'-TD(?)

Water flow 200 gal/min. from Wingate Formation

PLUGS SET AS FOLLOWS:

- 1) 1500'-1400'
- 2) 830'-730'
- 3) 410'-510'
- 4) 150'-Surface

Place 9.0#, 50 vis fresh water gel based abandonment mud between plugs; clean, restore and regrade site, erect regulation dryhole marker.

DATE 10-2-81

SIGNED

MTM

M. J. Mander

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

M

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Phelps Dodge Fuel Development Corp.

3. ADDRESS OF OPERATOR 80202
Energy Center 1720, 717 17th Str, Denver, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 820' FNL & 660' FWL (NWNW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- TEST WATER SHUT-OFF
 - FRACTURE TREAT
 - SHOOT OR ACIDIZE
 - REPAIR WELL
 - PULL OR ALTER CASING
 - MULTIPLE COMPLETE
 - CHANGE ZONES
 - ABANDON*
- (other) _____

-
-
-
-
-
-
-
-

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

| | |
|---|-------------------------|
| 5. CASE | U-15933 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 7. UNIT AGREEMENT NAME | Canyon Unit |
| 8. FARM OR LEASE NAME | Canyon Unit |
| 9. WELL NO. | 3 |
| 10. FIELD OR WILDCAT NAME | Wildcat |
| 11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA | Sec. 15, T. 31S, R. 24E |
| 12. COUNTY OR PARISH | San Juan |
| 13. STATE | Utah |
| 14. API NO. | |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD) | 5867 GR |

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.)*

We wish to report abandonment of subject well as follows:

- 1) 6 1/4" hole from 105' to 1500' filled with drilling mud
- 2) Spotted Class "G" cement plugs as follows:

| | | | | |
|----|----|-------|---|-------|
| 18 | sx | 1500' | - | 1400' |
| 18 | sx | 830' | - | 730' |
| 16 | sx | 500' | - | 410' |
| 22 | sx | 150' | - | 0' |

- 3) Installed required dry hole marker.
- 4) Formation tops:

| | | | |
|---------|------|----------|-------|
| Kayenta | 260' | Moenkopi | 1280' |
| Wingate | 460' | Cutler | 1380' |
| Chinle | 790' | TD | 1500' |

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED J. D. Hall TITLE Agent DATE October 9, 1981

J. D. Hall

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

OCT 15 1981
 DIVISION OF OIL GAS & MINING
 Salt Lake City, Utah
 2025-2026
 2027-2028
 2029-2030
 2031-2032
 2033-2034
 2035-2036
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 2085-2086
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 2091-2092
 2093-2094
 2095-2096
 2097-2098
 2099-2100

** FILE NOTATIONS **

DATE: 10/30/81
OPERATOR: Phillips Dodge
WELL NO: CANYON Unit #3
Location: Sec. 15 T. 31S R. 24E County: San Juan

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

API Number 43-037-30740

CHECKED BY:

Petroleum Engineer:
Drilled without filing with Division for prior approval,
well plugged out 10/24/81.

Director: _____

Administrative Aide: _____

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 2ed. Plotted on Map

Hot Line P.I. Approval Letter Written

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

SUBMIT IN DUPLICATE*
 (Other instructions on reverse side)

5. Lease Designation and Serial No.

U-15933

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Canyon Unit

8. Farm or Lease Name

Canyon Unit

9. Well No.

3

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 15, T31S, R24E

12. County or Parrish 13. State

San Juan UT

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 Plug & Abandon

Single Zone

Multiple Zone

2. Name of Operator

Phelps Dodge Fuel Development Corp.

3. Address of Operator

Energy Center 1720, 717 17th Street, Denver, CO 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

820' FNL & 660' FWL (NWNW)

At proposed prod. zone

same

14. Distance in miles and direction from nearest town or post office*

23.5 miles northeast of Monticello, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

660'

16. No. of acres in lease

1600

17. No. of acres assigned to this well

10

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

1500'

20. Rotary or cable tools

Rotary

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

GR 5867'

22. Approx. date work will start*

10-3-81

23.

PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|--------------|----------------|-----------------|---------------|--------------------|
| 8 3/4 | 7" | 23# | 105' | 12 sx w/4 sx PC60 |

We wish to report proposed abandonment of subject well as follows:

- 1) 6 1/4" hole from 105' to 1500' filled w/drilling mud.
- 2) Spot Class "G" cement plugs as follows:

| | |
|-------|---------------|
| 18 sx | 1500' - 1400' |
| 18 sx | 830' - 730' |
| 16 sx | 500' - 410' |
| 22 sx | 150' - 0 |

- 3) Install required dry hole marker.
- 4) Formation tops:

| | | | |
|----------|-------|--------|-------|
| Kayenta | 260' | Cutler | 1380' |
| Wingate | 460' | TD | 1500' |
| Chinle | 790' | | |
| Moenkopi | 1280' | | |

NOV 05 1981
 DIVISION OF OIL, GAS & MINING

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

24.

Signed.....

J. D. Hall
 J. D. Hall

Title.....

Agent

Date.....

11-3-81

(This space for Federal or State office use)

Permit No.....

Approval Date

Approved by.....

Title.....

Date.....

Conditions of approval, if any:

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

| |
|---|
| 5. LEASE DESIGNATION AND SERIAL NO. U-15933 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 7. UNIT AGREEMENT NAME Canyon Unit |
| 8. FARM OR LEASE NAME Canyon Unit |
| 9. WELL NO. 3 |
| 10. FIELD AND POOL, OR WILDCAT Wildcat |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T31S, R24E |
| 12. COUNTY OR PARISH San Juan |
| 13. STATE UT |

SUNDRY NOTICES AND REPORTS ON WELLS

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

| |
|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER |
| 2. NAME OF OPERATOR Phelps Dodge Fuel Development Corp. |
| 3. ADDRESS OF OPERATOR Energy Center 1720, 717 17th Street, Denver, CO 80202 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 820' FNL & 660' FWL (NWNW) |
| 14. PERMIT NO. (9-21-81) |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5867' GR |

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

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

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

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

We wish to report abandonment of subject well as follows:

- 1) 6 1/4" hole from 105' to 1500' filled w/drilling mud.
- 2) Spotted Class "G" cement plugs as follows:

18 sx 1500' - 1400'
18 sx 830' - 730'
16 sx 500' - 410'
22 sx 150' - 0

- 3) Install dry hole marker
- 4) Formation tops:

Kayenta 260'
Wingate 460'
Chinle 790'
Moenkopi 1280'
Cutler 1380'
TD 1500'

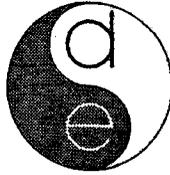
18. I hereby certify that the foregoing is true and correct

SIGNED J. D. HATT TITLE Agent DATE 11-3-81

(This space for Federal or State office use)

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

energy drilling specialists, inc.



821 17th st. suite 406
denver, colorado 80202
(303) 573-7011

5000 lakeshore drive
littleton, colorado 80123
(303) 795-7665

November 3, 1981

NOV 05 1981

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

Re: Phelps Dodge Fuel Development Corp.
Canyon Unit 3
NWNW Sec. 15, T31S, R24E
San Juan County, Utah

Gentlemen:

Enclosed are copies of the log run on the above captioned well along with Forms OGC-1a and OGC-1b, which are required for the plugging and abandonment of this well.

Should questions arise concerning this matter, please contact us at the above address.

Sincerely,

ENERGY DRILLING SPECIALISTS, INC.

J. D. HALL

Enclosures

JDH/pap

*called Jack Hall
with Energy Drilling
will send info
on WC Form
1-23-82
DB*



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

February 4, 1982

Phelps Dodge Fuel Development Corp.
Energy Center 1720
717 17th Street
Denver, Colorado 80202

Re: Well No. East Canyon Unit #3
Sec. 15, T. 31S, R. 24E
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

3
4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Phelps Dodge Fuel Development Corp.

3. ADDRESS OF OPERATOR
Energy Center 1720,717 17th Street, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 820' FNL & 660' FWL (NWNW)
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-15933

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Canyon Unit

8. FARM OR LEASE NAME
Canyon Unit

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 15, T31S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

14. PERMIT NO. 43-637-30740 DATE ISSUED 9-21-81

15. DATE SPUDED 9-30-81 16. DATE T.D. REACHED 10-2-81 17. DATE COMPL. (Ready to prod.) 10-3-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 5867' 19. ELEV. CASINGHEAD 5868'

20. TOTAL DEPTH, MD & TVD 1500 21. PLUG, BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY 1500' ROTARY TOOLS 1500' CABLE TOOLS NA

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/Density, SP & Resistance 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 |
|-------------|-----------------|----------------|-----------|---------------------------|---------------|
| 7" | 23# | 105' | 8 3/4 | 12 sx Class G w/4 sx PC60 | |
| | | | | | |
| | | | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
| NA | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------------|-----------------|
| NA | | |

31. PERFORATION RECORD (Interval, size and number)

NA

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| Plugs @: 1500-1400 | 18 SX |
| 830-730 | 18 SX |
| 500-410 | 16 SX |
| 150-0 | 22 SX |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|-----------------------|--|------------------------------------|
| | | P & A |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PERIOD FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|------------------------|----------|----------|------------|---------------|
| | | | | | | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|--------------------|----------|----------|------------|-------------------------|
| | | | | | | |

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

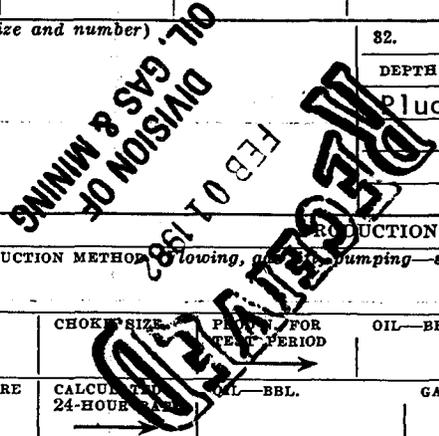
35. LIST OF ATTACHMENTS

Logs: GR/Density, SP-Resistance

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. D. Hall TITLE Agent DATE 11-3-81

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



INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, 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 36.

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

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

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

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

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

FORMATION

TOP

BOTTOM

None Noted

RECEIVED
 OIL & GAS DIVISION
 DEPARTMENT OF ENERGY
 WASHINGTON, D.C.

38.

GEOLOGIC MARKERS

NAME

TOP

MEAS. DEPTH

TRUE VERT. DEPTH

CARD Index

SUBMIT IN DUPLICATE (See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO. U-15933
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME Canyon Unit
8. FARM OR LEASE NAME Canyon Unit
9. WELL NO. 3
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 15-T31S-R24E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other
b. TYPE OF COMPLETION: NEW WELL [] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. [] Other P & A

2. NAME OF OPERATOR Phelps Dodge Fuel Development Corp.

3. ADDRESS OF OPERATOR Energy Center 1720,717 17th Street, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 820' FNL & 660' FWL (NWNW) At top prod. interval reported below Same At total depth Same

14. PERMIT NO. DATE ISSUED 9-21-81

15. DATE SPUDDED 9/30/81 16. DATE T.D. REACHED 10/2/81 17. DATE COMPL. (Ready to prod.) 10/3/81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 5867' 19. ELEV. CASINGHEAD 5868'

20. TOTAL DEPTH, MD & TVD 1500' 21. PLUG, BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY 1500' ROTARY TOOLS CABLE TOOLS NA

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

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/Density, SP & Resistance 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD) 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

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

33.* PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS (Producing or shut-in) P & A, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL—BBL., GAS—MCF., WATER—BBL., OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS Logs: GR/Density, SP-Resistance 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. D. Hall TITLE Agent DATE March 18, 1982

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

