

## FILE NOTATIONS

Entered in NFD file \_\_\_\_\_  
 Entered on SR Sheet \_\_\_\_\_  
 Location Map Final \_\_\_\_\_  
 Card Indexed \_\_\_\_\_  
 FWR for State or Fed Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_  
 Copy NFD to Field Office \_\_\_\_\_  
 Approval Letter \_\_\_\_\_  
 Disapproval Letter \_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 10-22-48

Location Inspected \_\_\_\_\_

OW \_\_\_\_\_ VW \_\_\_\_\_ TPA \_\_\_\_\_

Bond returned \_\_\_\_\_  
State of Free Land \_\_\_\_\_OW ✓ OS \_\_\_\_\_ TPA \_\_\_\_\_

## LOGS FILED

Driller's Log ✓Electric Logs (No. ) NO

E \_\_\_\_\_ I \_\_\_\_\_ E-1 \_\_\_\_\_ GR \_\_\_\_\_ GR-M \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

UIC  
9-3-91

4-11-84 English #2  
435 22E 22 43-032159

I SPOKE WITH NITA COWAN<sup>2</sup>

ABOUT THE COLLECT FOOTAGES,  
SHE CALLED THERE DENVER  
OFFICE AND CONFIRMED THAT  
THE NEWEST SUNDAY WAS  
CORRECT.

2380 FSL 2140 FWL

Connie Dunn



FOLD

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

1514  
DATES

January 31, 1919 Put to producing \_\_\_\_\_, 1919

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_  
None

EMPLOYEES

---Ralph Chapman---, Driller  
---Jim Sturdavant---, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	800	800	From 0 in red to white sand.
800	900	100	Red white and fine grain red shale sandstone.
900	1200	300	Red and purple silty shale.
1200	1300	100	Medium to coarse grained sandstone.
1300	1495	95	Vari-colored red and green silty shale.
1495	1514	19'	Medium to coarse grain unconsolidated sandstone with minute shale breaks.
R.D.	1514'		

(OVER)

10-43004-1

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Window Rock, Arizona**  
SERIAL NO.: **I-149-Ind-7180**

and hereby designates

NAME: **Sinclair Oil & Gas Company**  
ADDRESS: **601 Denver Club Bldg. - Denver, Colorado**

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Located: **Sec. 22, T-43-S, R-22E, San Juan County, Utah**  
*SE 1/4*  
**English W# #2**

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

**Formerly: Western Natural Gas Company Lease**

**Effective November 26, 1963.**

*Paul Johnson*  
.....  
(Signature of lessee)

**Western Natural Gas Company**  
**823 Midland Tower Bldg.**  
**Midland, Texas**  
.....  
(Address)

**November 26, 1963**  
.....  
(Date)



**SINCLAIR OIL & GAS COMPANY**

601 DENVER CLUB BUILDING

DENVER 2, COLORADO

- 80202 -

DENVER DIVISION

January 9, 1964

Miss Clarella N. Peck  
Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Dear Miss Peck:

Your letter of December 9, 1963, which was directed to Western Natural Gas Company, 823 Midland Tower, Midland, Texas, has been forwarded to us for reply.

The acquisition date of Western Natural Gas Company properties by Sinclair Oil & Gas Company was November 26, 1963, and you have been furnished Designation of Operator Forms.

As requested in your letter, we are enclosing Logs of Oil and Gas Wells for the English Wells No. 1, 2, 4, and Navajo Well No. 1. We are unable to furnish Logs for English No. 4 and Navajo No. 1 at this time. When these Logs are received from Western Natural Gas Company we will forward copies on to your office.

Further correspondence regarding these properties should be forwarded to the above address, attention Mr. W. A. Walther, Jr., Division Production Superintendent.

Very truly yours,

M. E. Brown  
Division Chief Clerk

MEB:CS:js

Encl.

cc: file

le

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other

2. NAME OF OPERATOR ARCO Oil & Gas Company, a Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2380'FSL & 2140"FWL, Section 22  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

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

5. LEASE  
I-149-Ind-7180 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
English Unit ✓

8. FARM OR LEASE NAME  
English WN

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
Boundary Butte ✓

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Section 22-T43S-R22E

12. COUNTY OR PARISH: 13. STATE  
San Juan Utah

14. API NO.  
None

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5407' GL

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

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

ARCO hereby requests permission to set a bridge plug above the Coconino open perforations (1492'-1514') in the subject well. This is in compliance with the requirements as set forth in a memorandum dated October 1, 1982, and a subsequent letter of May 5, 1983, both from the Minerals Management Service, Department of the Interior (copies attached). As stated in our letter of May 25, 1983 (attached), we plan on re-evaluating this well as a water injector if oil market conditions improve and do not wish to permanently plug and abandon the well at this time. Attached is the procedure for temporarily abandoning the well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Stephen C. Rose TITLE District Production Superintendent DATE 8-2-83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TA PROCEDURE FOR ENGLISH WN2, BOUNDARY BUTTE FIELD

Location: NESW Section 22-T435-R22E, San Juan County, Utah

Current Status: 10-3/4", 40.5# casing @ 935'  
7", 20# casing @ 1492'

Perforations: 1492'-1514' OH

Procedure:

1. Move onto location and R/U.
2. N/D tubing head.
3. R/U wireline unit. Make gauge ring run through 7", 20# casing to  $\pm$  1480'. P/U bridge plug with setting tool on wireline and set at  $\pm$  1470'.
4. R/U cementing unit. Mix and spot 5 sxs of Class "B" cement on top of bridge plug using dump bailer.
5. N/U tubing head.\*
6. R/D and move to next location.

\* Wellbore to contain 2% KCl water.

COST ESTIMATE

Bedford Inc. (Farmington, NM (505) 325-1211) will furnish:	\$ 3,000
pulling unit (70', 160,000# derrick)	
bridge plugs	
wireline unit, setting tool, and dump bailer	
cement along with mixing equipment, displacement pump and mixing pump	
75 bbl tank for disposal purposes	
Water	400
Site preparation (anchor setting)	300
Miscellaneous	500
ARCO Supervision	500
	<hr/>
	\$ 4,700

8  
Co.

Vaughey  
4707 T.D.

ENGLISH UNIT  
A.R.Co. 50% Opr.  
Conoco etal 50%

Co.

7 A.R.Co.

Eldorado  
5470 T.D.

Sinclair  
5000 T.D.

7

16

15  
A.R.Co.

25 23 24  
1290 T.D.  
15 34

18  
1300 T.D.

Co.

Sunroy  
5641 T.D.

A.R.Co.  
22

A.R.Co.  
S.I.

10

21

Mutual Oil  
502 T.D.

19 13 16 14 17 12 28 10 20 27 1 8 1645 T.D. 29 30 35 22 3 36 37

9

28

A.R.Co

27

11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TR. DATE  
(Other instructions on reverse side)

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

LEASE DESIGNATION AND SERIAL NO.

I-149-Ind-7180

IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo

UNIT AGREEMENT NAME

English Unit

FARM OR LEASE NAME

English WN

WELL NO.

2

FIELD AND POOL, OR WILDCAT

Boundary Butte

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

Sec. 22-T43S-R22E

COUNTY OR PARISH STATE

San Juan

Utah

**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.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of Atlantic Richfield Company

3. ADDRESS OF OPERATOR 707-17th Street, P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

2380' FSL & 2140' FWL, Section 22

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, AT, OR, etc.)

API#-None

5407' GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

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.)

ARCO Oil and Gas Company hereby requests permission to permanently plug and abandon the subject well.

The BLM previously approved for one year our request in August, 1983 to temporarily abandon the subject well. We have re-evaluated this well and have determined that this shallow Coconino zone completion does not have any future beneficial use to the lease operations. Therefore, in compliance with the BLM request of March 26, 1985, we propose to permanently P&A this well.

Attached is the proposed procedure for plugging and abandoning this well.

We plan to commence plugging operations by June, 1985.

Federal approval of this action is required before commencing operations.

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

DATE 4/12/85  
BY: John R. Burg

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

SIGNED Stephen Rose  
S. C. ROSE

TITLE Dist. Prod. Sup't.

DATE 3-28-85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



Date: December 13, 1984

Subject: Proposed P & A Procedure  
English #2, 4, 5, 8, 26, 31, and 36  
San Juan County, Utah

From/Location: C. D. Trigg, Farmington

To/Location: M. D. Robinson, DT-33075

WELL DATA:

English #2

T.D. - 1514  
10-3/4 Csg. @ 935'  
7" Csg. @ 1492'  
Prod. openhole. 1492'-1514'  
43 Jts., 2-3/8, J-55, 4.70# Tbg. EUE  
1 - S.N.  
1 - 2-3/8 Perforated Sub. EUE  
2 - Jts. 2-3/8 EUE, J-55, 4.70# w/hull plug, Mud anchor  
1 - 2 x 1½ x 8 T/B - Pump bottom hold down

English #4

T. D. - 1618            10-3/4" Csg. @ 485'  
7" Csg. @ 1608. Prod. Openhole 1608' - 1618'  
2" Tbg.

English #5

T. D. - 1700    P.B.T.D. - 1668    No surface pipe.  
7" Csg. @ 1572, 4½ Csg. @ 1699  
2-3/8 Tbg.  
Perfs. 1580-1584, 1596-1600, 1611-1615, 1638-1639

English #8

T. D. - 1504            10' of 8-5/8" conductor  
5½" Csg. @ 1481'  
Prod. Openhole 1481-1504  
2-3/8 EUE Tbg.

English #26

T.D. - 1740'            8-5/8" Csg. @ 99'  
P.B.D. 1707'  
5½" Csg. @ 1740'  
2-3/8" EUE Tbg.  
Perfs - 1641-1644

English #31

T.D. - 1540'    Perfs. - 1442-1445    8-5/8" Csg. @ 97'  
T.P.B.D. 1506  
5½" Csg. @ 1540'  
2-3/8 EUE Tbg.

English #36

T.D. - 1575'                    8-5/8" Csg. @ 375'  
T.P.B.D. 1540, Perfs. 1480-1483  
5½" Csg. @ 1575'  
2-3/8 EUE Tbg.

Proposed Abandonment Procedure

1. MIRU (BOP's won't be needed because Coconino pressure estimated is less than 250 - 300 psi bottom hole. If pressure does exist however, install BOP's and proceed.)
2. If well has no tubing string, use tubing from previous well as work string.
3. RIH w/tubing open-ended to 50' below bottom perforation, or to TD, whichever is less. Pump cement to cover top perforation by 50' inside the casing. In open hole completions pump cement to cover bottom of csg. by 50'.
4. POH w/tbg. to 50' below top of surface casing. Pump sufficient cement to fill production casing to surface. (Cement volume must be at least 25 sx, a longer plug may be necessary to allow the required cement volume). Insert 10' abandonment marker 5' into cement.
5. Spot cement through Bradenhead valve to fill production csg. and surface csg. annulus (100' plug if surface pipe extends far enough).
6. Pour cement cap extending 12" beyond largest diameter csg. and 4" thick.
7. Rehabilitate location and access road using stipulations supplied by the surface management agency.



# United States Department of the Interior

IN REPLY REFER TO:  
3100 (016)  
I-149-IND-7180

BUREAU OF LAND MANAGEMENT  
Caller Service 4104  
Farmington, New Mexico 87499

MAR 26 1985

CERTIFIED—RETURN RECEIPT REQUESTED

Arco Oil and Gas Company  
Production - Rocky Mountain District  
Attn: Keith Angel  
P. O. Box 2197  
Farmington, NM 87499

RECEIVED  
J. E. TAYLOR  
FARMINGTON  
DATE MAR 27 1985

Dear Mr. Angel:

Our records indicate that you are the operator of the following well on lease No. I-149-IND-7180:

<u>Well No.</u>	<u>Location</u>	<u>Date of Last Production</u>
— No. 26 English	NESW, sec. 16, T. 43 S., R. 22 E.	January 1982
No. 6 English	SENE, sec. 16, T. 43 S., R. 22 E.	January 1982
No. 7 English	NENW, sec. 16, T. 43 S., R. 22 E.	January 1982
— No. 31 English	NENE, sec. 21, T. 43 S., R. 22 E.	January 1982
— No. 2 English	NESW, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 36 English	NESW, sec. 22, T. 43 S., R. 22 E.	August 1983
— No. 4 English	SENW, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 5 English	SENW, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 8 English	SWNW, sec. 22, T. 43 S., R. 22 E.	January 1982
No. 37 English	SWSE, sec. 22, T. 43 S., R. 22 E.	February 1983
No. 11 English	NENW, sec. 26, T. 43 S., R. 22 E.	January 1982
No. 9 English	SWNE, sec. 16, T. 43 S., R. 22 E.	January 1982

Title 43 CFR Section 3162.3-4 requires that the lessee shall promptly plug and abandon, condition as a service well, or condition as a water well, any well on a lease that is not used or useful for the purpose of the lease.

Accordingly, you are required to advise this office within 30 days of the date of this letter, by Sundry Notice of your intent to perform one of the following:

1. Condition the well to a useful function.
2. Temporarily abandon the well.
- ✓ 3. Permanently plug and abandon the well.

Any temporary abandonment request must include the following:

1. Justification of the reason the well should be temporarily abandoned rather than permanently plugged and abandoned. A WELL MAY NOT BE TEMPORARILY ABANDONED FOR MORE THAN 12 MONTHS.
2. A complete record of perforations in the well casing.
3. Provide for the installation of a bridge plug or a cement plug no more than 50 feet above each set of open perforations and the well bore filled with conditioned, non-corrosive fluid and shut-in at the surface. If a bridge plug is used, it must be capped with cement. The cement cap must be the greater of 35 feet or five sacks of cement if placed by dump bailer or, 25 sacks if spotted by tubing. If a cement plug is used it must be the greater of 100 feet or 25 sacks of cement.
4. Rehabilitation of the surface must be performed on all disturbed surface except for that necessary to service the well.
5. The anticipated date the operations will occur. Albert Gonzales, Petroleum Engineering Technician, MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING ANY ABANDONMENT SO THAT THE OPERATIONS CAN BE WITNESSED.

Any request for permanent plugging and abandonment must include the following:

1. The reason that the well should be permanently plugged and abandoned.
2. A plugging program to isolate and protect subsurface zones, other minerals and water zones.
3. The anticipated date the plugging will occur. Albert Gonzales, Petroleum Engineering Technician, MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING ANY ABANDONMENT SO THAT THE PLUGGING CAN BE WITNESSED.

Failure to file a Sundry Notice providing the information requested above within 30 days of the date of this letter will result in an automatic assessment of \$250 pursuant to 43 CFR 3163.3(a), and Civil Penalties pursuant to 43 CFR 3163.4-1.

You are further advised that any instructions, orders and decisions issued by the Bureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Sincerely yours,

  
 Area Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN THE  
Other District  
Reverse Side

Form approved.  
Bureau Bureau No. 1004-0105  
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.  
I-149-Ind-7180  
INDIAN ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

Navajo  
UNIT AGREEMENT NAME

OIL WELL  GAS WELL  OTHER

DEC 19 1985

English Unit  
FARM OR LEASE NAME

2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of Atlantic Richfield Company

English WN  
WELL NO.

3. ADDRESS OF OPERATOR 707-17th Street, P.O. Box 5540, Denver, Colorado

DIVISION OF OIL AND MINING

2  
FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL Report location clearly and in accordance with any State requirements. See also space below at surface

RECEIVED

Boundary Butte  
SEC. T. R. M. OR B.L. AND SURVEY OR AREA

2380' FSL & 2140' FWL, Section 22

APR 08 1985

Sec. 22-T43S-R22E

14. PERMIT NO. 15. ELEVATIONS Show whether at A.S.L. or F.T.C. and Management

12. COUNTY OR PARISH 13. STATE

API#-None

5407' GL

San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACURE TREAT

MULTIPLE COMPLETION

FRACURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANE

(Other)

Other

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)

ARCO Oil and Gas Company hereby requests permission to permanently plug and abandon the subject well.

The BLM previously approved for one year our request in August, 1983 to temporarily abandon the subject well. We have re-evaluated this well and have determined that this shallow Coconino zone completion does not have any future beneficial use to the lease operations. Therefore, in compliance with the BLM request of March 26, 1985, we propose to permanently P&A this well.

Attached is the proposed procedure for plugging and abandoning this well.

We plan to commence plugging operations by June, 1985.

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

SIGNED

*Stephen Rose*  
S. C. ROSE

TITLE

Dist. Prod. Sup't.

DATE

3-28-85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL IF ANY:

TITLE

(See "Conditions of Approval" attached)

✓ cc: Kris Fuhr - Engtn.

\*See Instructions on Reverse Side

APPROVED  
APR 10 1985  
*[Signature]*  
AREA MANAGER  
FARMINGTON RESOURCE AREA  
OPERATOR

English #31

T.D. - 1540'    Perfs. - 1442-1445    8-5/8" Csg. @ 97'  
T.P.B.D. 1506  
5½" Csg. @ 1540'  
2-3/8 EUE Tbg.

English #36

T.D. - 1575'                    8-5/8" Csg. @ 375'  
T.P.B.D. 1540, Perfs. 1480-1483  
5½" Csg. @ 1575'  
2-3/8 EUE Tbg.

Proposed Abandonment Procedure

1. MIRU (BOP's won't be needed because Coconino pressure estimated is less than 250 - 300 psi bottom hole. If pressure does exist however, install BOP's and proceed.)
2. If well has no tubing string, use tubing from previous well as work string.
3. RIH w/tubing open-ended to 50' below bottom perforation, or to TD, whichever is less. Pump cement to cover top perforation by 50' inside the casing. In open hole completions pump cement to cover bottom of csg. by 50'.
4. POH w/tbg. to 50' below top of surface casing. Pump sufficient cement to fill production casing to surface. (Cement volume must be at least 25 sx, a longer plug may be necessary to allow the required cement volume). Insert 10' abandonment marker 5' into cement.
5. Spot cement through Bradenhead valve to fill production csg. and surface csg. annulus (100' plug if surface pipe extends far enough).
6. Pour cement cap extending 12" beyond largest diameter csg. and 4" thick.
7. Rehabilitate location and access road using stipulations supplied by the surface management agency.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL  
(Other instructions  
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR **ARCO Oil and Gas Company, Division of**  
**Atlantic Richfield Company**

3. ADDRESS OF OPERATOR **707 17th Street, P. O. Box 5540**  
**Denver, Colorado 80217**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**2380'FSL & 2140'FWL, Section 22**

14. PERMIT NO. **43087109**  
**API # - None**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5407' GL**

**RECEIVED**  
**DEC 19 1985**  
DIVISION OF OIL  
& GAS MINING

5. LEASE DESIGNATION AND SERIAL NO.  
**I-149-Ind-7180**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo**

7. UNIT AGREEMENT NAME  
**English Unit**

8. FARM OR LEASE NAME  
**English WN**

9. WELL NO.  
**2**

10. FIELD AND POOL, OR WILDCAT  
**Boundary Butte**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 22-T43S-R22E**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

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

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

ARCO Oil and Gas Company has completed the plug and abandon work on this well as outlined on the approved Sundry Notice and the verbally approved modified abandonment procedure. (see attachment) The procedure was modified due to the absence of a bradenhead on this well. We obtained verbal approval from Jim Lovato to perforate the production casing 100' below ground level; this allowed us to circulate cement to the surface in the production casing/ surface casing annulus. This work was performed from November 14, 1985 to November 15, 1985. Approximately 20 bbls. of oil were recovered during P & A operations on this well.

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

SIGNED *Sus Fuhr / wja-hcl* TITLE *Production Supervisor / Prod. Supt* DATE *12/14/85*

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE *12/23/85*

\*See Instructions on Reverse Side