

FILE NOTATIONS

Entered in NID File _____
 Entered On S R Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 IWR for State or Fee Land _____

Checked by Chief *PMB* _____
 Copy NID to Field Office _____
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 5-19-67
 OW WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 6-26-67
 Electric Logs (No.) 3

E _____ I _____ E-I GR _____ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others Acoustic Cement Bond Log

Compensated Formation Density Log

8-29-91
 CPW

Offense in accordance with Case # 124-1

**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
Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR
501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
NE NE SW - 2200' f/South line and 2500' f/West line of Sec. 16
~~N/E~~ proposed prod. zone
Same

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

15. DISTANCE FROM PROPOSED*
 LOCATION TO NEAREST
 PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit line, if any)
140' f/Drig Unit
3330' SW to Lse.

16. NO. OF ACRES IN LEASE
7040 ac.

17. NO. OF ACRES ASSIGNED
 TO THIS WELL
20 ac (N/2 NE SW)

18. DISTANCE FROM PROPOSED LOCATION*
 TO NEAREST WELL, DRILLING, COMPLETED,
 OR APPLIED FOR, ON THIS LEASE, FT.
727' N f/#25

19. PROPOSED DEPTH
1750'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5347', ground level, ungraded

22. APPROX. DATE WORK WILL START*
May 8, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	21#	100'	100 sx (Cmt bottom to top)
7-7/8"	4 1/2" or 5 1/2"	-	T.D.	100 sx

It is proposed to drill well with rotary tools to a depth sufficient to test the Coconino formation, top of which is anticipated at approx. 1625'. 8-5/8" OD surface casing will be set at approx 100' with 100 sx (sufficient to cement bottom to top), 7-7/8" hole will be drilled to total depth, if productive, 4 1/2" or 5 1/2" casing will be set with sufficient cement to protect all zones, productive zones will be perforated, treated if necessary, and well completed.

Certified location plat attached.

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 M. E. Brown TITLE Chief Office Clerk DATE May 3, 1967
M. E. Brown
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

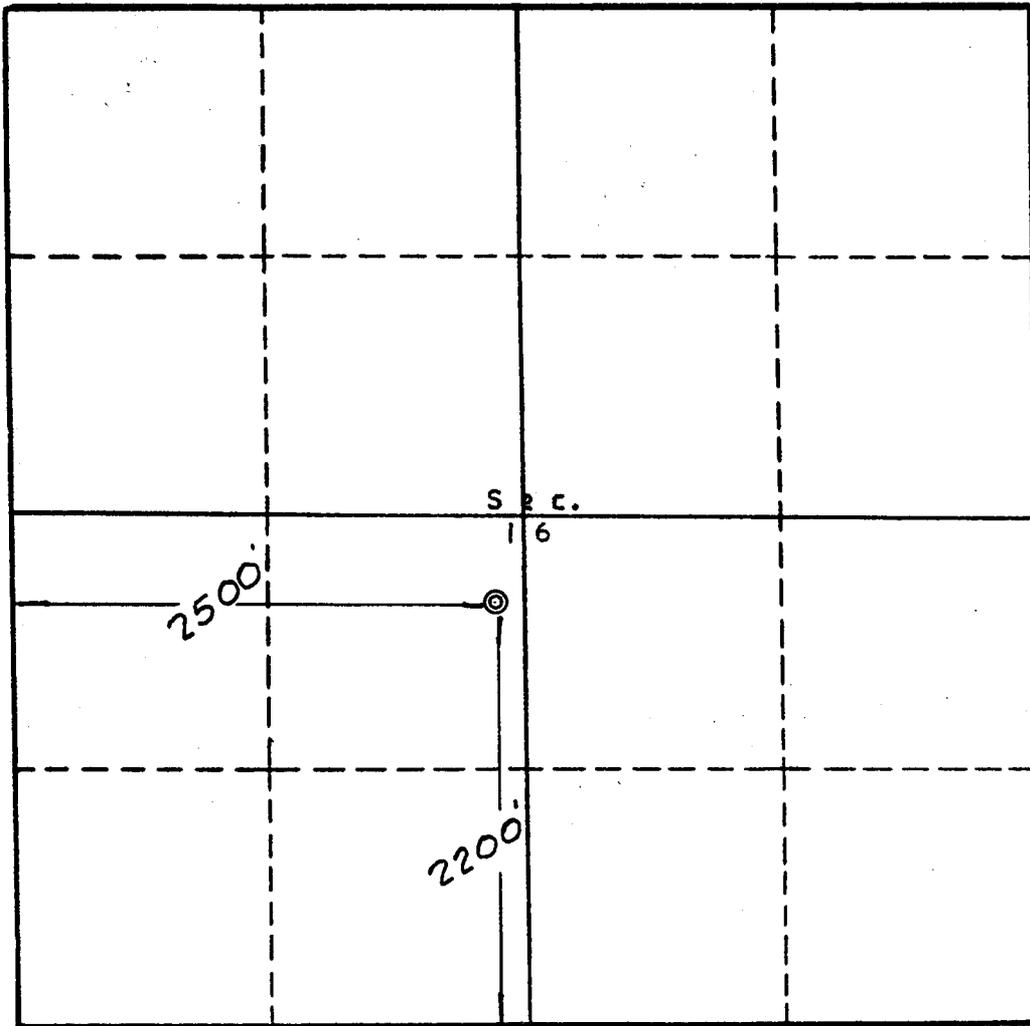
Company SINCLAIR OIL & GAS COMPANY

Well Name & No. WN English #26

Location 2200 feet from the South line and 2500 feet from the West line.

Sec. 16, T. 43 S., R. 22 E., S. L. M., County San Juan, Utah

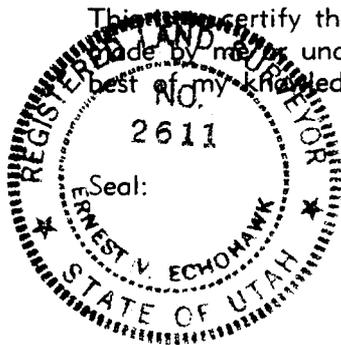
Ground Elevation 5347



Scale, 1 inch = 1,000 feet

Surveyed April 7, 19 67

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

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May 5, 1967

Sinclair Oil & Gas Company
501 Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado

Re: Well No. English WN #26,
Sec. 16, T. 43 S., R. 22 E.,
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with the Order issued in Cause 124-1 dated November, 10, 1966.

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

PAUL W. BURCHELL, Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City, Utah
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period.

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

7

Sinclair Oil & Gas Company

-2-

May 5, 1967

The API number assigned to this well is 43-⁰³²~~043~~-20227 (See Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:sc

cc:

P. T. McGrath, District Engineer
U. S. Geological Survey
Box 959
Farmington, New Mexico

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

-

8. FARM OR LEASE NAME

English WN

9. WELL NO.

26

10. FIELD AND POOL, OR WILDCAT

Boundary Butte- Coconino

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

Sec. 16-43S-22E, SIM

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

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

NE SW - 2200' f/South line and 2500' f/West line Sec. 16

14. PERMIT NO.

Mr. P.T. McGrath, 5/5/67

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

5347' ground level

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) **Set surface casing**

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.)*

5/8/67

Spudded 9:30 p.m. 5/8/67. Drilled 12-1/4" hole to 103'. Set 3 jts 8-5/8" OD 2 1/2" N casing at 99', ground measurement, with 100 sacks Class "A" cement, 3% CaCl, cement circ., Plug down 6:00 a.m. 5/9/67. WOC. Test casing and BOP @ 500# f/ 30 min., O.K. Drilled out 6:00 p.m. 5/9/67.

5/10/67 - Drilling ahead @ 748'.

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

SIGNED *M. E. Brown*

M. E. Brown

TITLE **Chief Office Clerk**

DATE **May 10, 1967**

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN ORIGINAL COPY
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

English WN

9. WELL NO.

26

10. FIELD AND POOL, OR WILDCAT

Boundary Butte- Coconino

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

Sec. 16-43S-22E

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Building, 1860 Lincoln St., Denver, Colo.

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

NE SW - 2200' f/South & 2500' f/West lines Sec. 16

14. PERMIT NO.

Mr. P.T. McGrath, 5/5/67

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

5347' ground level

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:

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)

Setting Oil String

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.)*

DST 1632-1647', Coconino, Open 1-1/2 hrs. Weak blow f/ 20 min, inc to gd blow & gd thru test. Rec'd 352' oil, 334' oil cut mud, 180' muddy water. Hyd 823#, BHP 53-337#, 30 min FSIP 501#.

Drilled to TD 1740'. Ran I-ES & Densilog.

Ran 4 1/2 jts 5-1/2" CD 15.5# J-55 casing set @ 1740', ground meas., with 100 mx Class "A" cement, plug to 1707', plug down 5:30 p.m. 5/12/67. WOC.

Prepare perforate, treat if necessary, and complete.

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

SIGNED

M. E. Brown
M. E. Brown

TITLE **Chief Office Clerk**

DATE **5/15/67**

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DATE*
(Other instr. on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-149-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

English WN

8. FARM OR LEASE NAME

9. WELL NO.

26

10. FIELD AND POOL, OR WILDCAT

Boundary Butte- Coconino

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

Sec. 16-43S-22E

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

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

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

NE SW -2200' f/South and 2500' f/West lines Sec. 16.

14. PERMIT NO.

Mr. P.T. McGrath, 5/5/67

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

534.7' Ground Level

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:

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)

Completion

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.)*

T.D. - 1740'

PBTD - 1707'

5/16/67 - MI service Unit. Perforated Coconino 1641-1644' w/ 4 jet shots per foot. Ran 53 jts 2-3/8" OD 4.7# tubing w/seating nipple @ 1626'. Swabbed 36 BW and 1 BO in 4 hours, last hour 50% oil, 150' fluid in hole. SD 0'night.

5/17/67 - FL 900' after SI 0'night. Swabbed 31.5 bbl fluid in 7 hrs. Last 5 hours @ 3.45 BPPH, 10% water. Ran rods, released unit 6:00 p.m. 5/17/67. To install pumping equipment.

COMPLETED OIL WELL 5/17/67 - Swabbing at the rate of 75 BO & 8 BW per day from Coconino perfs 1641-1644'.

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

SIGNED

M. E. Brown
M. E. Brown

TITLE

Chief Office Clerk

DATE

19, May 22, 1967

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FORM OGCC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number English WN, Well #26
Operator Sinclair Oil & Gas Company Address 1860 Lincoln St. AC 303
Denver, Colo. Phone 266-2460
Contractor Loffland Bros. Co. Address Box 688 AC 505
Farmington, N.M. Phone 325-5001
Location ne 1/4 SW 1/4 Sec. 16 T. 43 N R. 22 E San Juan County, Utah.
S M

Water Sands:

<u>Depth</u>	<u>Volume</u>	<u>Quality</u>	
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	<u>DST 1632-1647' - Recovery: 352' oil, 334' oil cut mud, and 180' muddy water.</u>		
2.	<u>Well completed swabbing at the rate of 75 BO & 8 BW per day from perms 1641-44'.</u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continued on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission,
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

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
Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR
501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **NE SW- 2200' f/South & 2500' f/West lines Section 16**
At top prod. interval reported below **Same**
At total depth **Same**

14. PERMIT NO. **Mr. P. T. McGrath** DATE ISSUED **5/5/67**

5. LEASE DESIGNATION AND SERIAL NO.
I-149-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
English WN

9. WELL NO.
26

10. FIELD AND POOL, OR WILDCAT
Boundary Butte-Coconino

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Section 16-43S-22E, 51M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUNDED **5/8/67** 16. DATE T.D. REACHED **5/12/67** 17. DATE COMPL. (Ready to prod.) **5/19/67** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5347 ground level** 19. ELEV. CASINGHEAD **5347**

20. TOTAL DEPTH, MD & TVD **1740'** 21. PLUG, BACK T.D., MD & TVD **1707 PBTD** 22. IF MULTIPLE COMPL., HOW MANY* **-** 23. INTERVALS DRILLED BY **-** ROTARY TOOLS **0 - 1740'** CABLE TOOLS **none**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Coconino formation - Top 1638' to T.D.

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction-Electric, Formation Density, Cement bond

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
8-5/8"	24#	99'	12-1/4"	100 sz CL. "A", 3% CaCl	none
5-1/2"	15.5#	1740'	7-7/8"	100 sz CL. "A"	none

29. LINER RECORD **none**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	1626'	none

31. PERFORATION RECORD (Interval, size and number)
Coconino 1641-1644' w/h jets/ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	Not treated

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
5/19/67	Pumping - 2" x 1-1/2" x 8" Pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/17/67	5 hr- Swabbing		→	15.52	none	1.73	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORE.)	
-	-	→	75 BPD		8 BPD	43°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
- none

35. LIST OF ATTACHMENTS
2 ea of #26

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

SIGNED M. E. Brown TITLE **Chief Office Clerk** DATE **June 24, 1967**

(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 35.

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

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

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

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

37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Wingate	Surface	230'	Sandstone, massive, red-brown, fine grain
"	230'	500'	Siltstone, and red shale
Chinle	500'	1276'	Shale, red-brown to green, silty zones throughout.
Shinarump	1276	1375	Shale, silty with sandy and cherty streaks
Moenkopi	1375	1638	Shale, red to gray green, bentonitic
Cocconino	1638	1740	Sandstone, fine to med grain, sub-rounded, porous, staining in top.

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Wingate	Surface		
Chinle	500'		
Shinarump	1276		
Moenkopi	1375		
Cocconino	1638		

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: 2200' FSL & 2500' FWL, Section 16
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

(other) Temporarily Abandon

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

5. LEASE
T-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.
26

10. FIELD OR WILDCAT NAME
Boundary Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 16-43S-22E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
None

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5347' 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 (1641'-1644') 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: 8-2-83
BY: [Signature]

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 WN26, BOUNDARY BUTTE FIELD

Location: NESW Section 16-T435-R22E, San Juan County, Utah

Current Status: 8-5/8", 24# casing @ 99'
5-1/2", 15.5# casing @ 1740', estimated TOC - 1300'
2-3/8", 4.7# tubing @ 1626'
PBSD - 1707'

Perforations: 1641' - 1644'

Procedure:

1. Move onto location and R/U.
2. Unseat tubing hanger and pull 2-3/8", 4.7# tubing from hole.
3. N/D tubing head.
4. R/U wireline unit. Make gauge ring run through 5-1/2", 15.5# casing to \pm 1630'. P/U bridge plug with setting tool on wireline and set at \pm 1620'.
5. R/U cementing unit. Mix and spot 5 sxs of Class "B" cement on top of bridge plug using dump bailer.
6. N/U tubing head.*
7. 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	
Trucking costs (tubing to yard in Farmington)	400
Water	400
Site preparation (anchor setting)	300
Miscellaneous	500
ARCO Supervision	500
	<hr/>
	\$ 5,100

8
Co.

Vaughey
4707 T.D.

ENGLISH UNIT
A.R.Co. 50% Opr.
Conoco et al 50%

7
Co.

7 A.R.Co.

Eldorado
5470 T.D.

Sinclair
5000 T.D.



16
26

15
A.R.Co.

6
Co.

A.R.Co.
22

A.R.Co.
S.I.

Sunray
5641 T.D.

21

1180 T.D.

1645 T.D.

Mutual Oil
502 T.D.

5
Co.

28

A.R.Co.

4
Co.

27

3
Co.

11



United States Department of the Interior

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

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

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:

Table with 3 columns: Well No., Location, Date of Last Production. Lists 14 wells with their respective locations and production dates.

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:

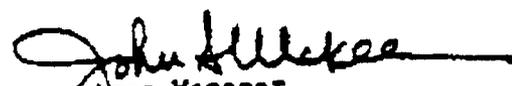
1. The reason that the well should be permanently plugged and abandoned.
2. A plugging program to isolate and protect subsurface zones, other minerals and water zones.

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 INDIANATE
Other instructions on the
reverse side.

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

LEASE DESIGNATION AND SERIAL NO

I-149-Ind-7180

INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

UNIT AGREEMENT NAME

English Unit

FARM OR LEASE NAME

English WN

WELL NO.

26

FIELD AND POOL, OR WILDCAT

Boundary Butte

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

Sec.16-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

2200' FSL & 2500' FWL, Section 16

14. PERMIT NO.

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

API#-None

5347' GL

18. 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

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(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 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.

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

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

Federal approval of this action
is required before commencing
operations.

19. 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

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*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 1 1/2 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, 4 1/2 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
5 1/2" 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'
5 1/2" 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.

EXPRESS MAIL ROUTING SLIP

PAM

12-30 10:00A

TAMI

12-30 10:35

VICKY

1-3 2:38

CLAUDIA

g. 1-2 8:12

STEPHANE

BD-30 12:28

CHARLES

cp 8:37 12-31

RULA

1-3 8:35

MARY ALICE

MAP 12/31 8:35

CONNIE

CD 12-31 8:17

MILLIE

1-3 9:45

PAM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
Other (attach
verse side)

Form approved.
Bureau Bureau No. 1004-1005
Expires August 31, 1985

LEASE DESIGNATION AND AERIAL NO
I-149-Ind-7180

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.

INDIAN CLUSTER OR TRIBE NAME
Navajo

UNIT AGREEMENT NAME
English Unit

FARM OR LEASE NAME
English WN

WELL NO.
26

FIELD AND POOL OR WILDCAT
Boundary Butte

SURVY OR AREA
Sec.16-T43S-R22E

COUNTY OR PARISH
San Juan

STATE
Utah

OIL WELL GAS WELL OTHER

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

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

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

PERMIT NO
API#-None

ELEVATIONS (Show whether of surface, well, or completion)
5347' GL

RECEIVED

DEC 19 1985

RECEIVED

APR 08 1985

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PLUG OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
Other	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

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

*NOTE: Report results of multiple completion or 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.)

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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 DATE APR 10 1985

This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

APPROVED
AREA MANAGER
FARMINGTON RESOURCE AREA

cc: Kris Fuhr - Engln.

*See Instructions on Reverse Side

OPERATOR

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.

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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 TRIP
(Other instructions on
reverse 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

2200'FSL & 2500'FWL, Section 16

RECEIVED
DEC 19 1985

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.
26

10. FIELD AND POOL, OR WILDCAT
Boundary Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16-T43S-R22E

12. COUNTY OR PARISH 18. STATE
San Juan Utah

14. PERMIT NO. 4303720027
API#-None 2250

15. ELEVATIONS (Show whether DF, RT, GR, or other)
5347' GL

DIVISION OF OIL
GAS & MINING

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"/>	
(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 as outlined on the approved Sundry Notice and abandonment procedure. (See attachment) The work was performed from November 6, 1985 to November 7, 1985. Approximately 24 bbls. of oil were recovered during P & A operations on this well.

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

DATE: 12/23/85
BY: John R. Baga

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

SIGNED: Chris Fisher / W. James Hill TITLE: Production Supervisor / Prod. Superintendent DATE: 12/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side