

FILE NOTATIONS

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

Checked by Chief PMB
 Copy NID to Field Office _____
 Approval Letter 9-6-67
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 10-6-67
 OW ✓ WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 10-16-67
 Electric Logs (No.) 3

E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others Densilog

Cement Bond log

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
1860 Lincoln St., 501 Lincoln Tower Bldg., Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface At proposed prod. zone
NE NE SE - 2250' E/South & 400' E/East lines Sec. 21
 same

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

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 W

9. WELL NO.
31

10. FIELD AND POOL, OR WELL IDENTIFICATION
Boundary Batts - Coconino

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21-43S-22E, 61M

12. COUNTY OR PARISH 13. STATE
San Juan Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
260' E/drug un. 2250' E/lease line

16. NO. OF ACRES IN LEASE
7040 ac.

17. NO. OF ACRES ASSIGNED TO THIS WELL
20 ac.

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
676' W & S E/W29

19. PROPOSED DEPTH
1600'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Millimeter 5283'

22. APPROX. DATE WORK WILL START*
When approvals rec'd.

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 1/2	100' ✓	100 ac (cut bottom to top) ✓
7-7/8"	4 1/2 or 5 1/2	-	Total depth	100 ac

Propose to drill well with rotary tools to depth sufficient to test the Coconino formation, top of which is anticipated at 1450'. 8-5/8" OD casing will be set at approx. 100' and cemented bottom to top. If productive, 4 1/2 or 5 1/2" OD casing will be set and cemented with sufficient cement to protect all zones, productive zone(s) will be perforated, treated if necessary, and well completed.

Certified location plat ~~attached~~ attached.

43-037-20084

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 Sept. 5, 1967

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

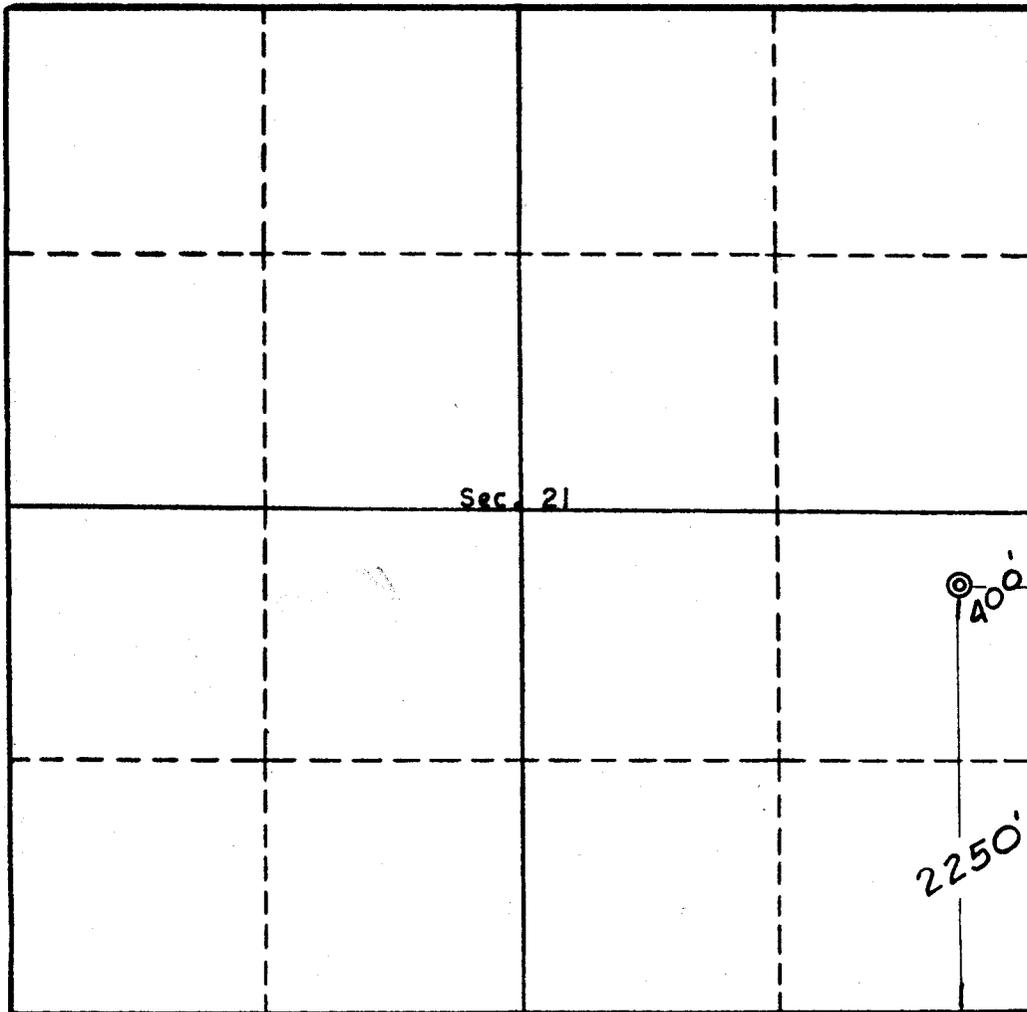
Company SINCLAIR OIL & GAS COMPANY

Well Name & No. WN English #31

Location 2250 feet from the South line and 400 feet from the East line.

Sec. 21, T. 43 S., R. 22 E., S. L. M., County San Juan, Utah

Ground Elevation 5283, ungraded



Scale, 1 inch = 1,000 feet

Surveyed September 2, 1967

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

September 6, 1967

Sinclair Oil & Gas Company
501 Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Well No. English WN #30,
Sec. 22, T. 43 S., R. 22 E.,
Well No. English WN #31,
Sec. 21, T. 43 S., R. 22 E.,
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned wells 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 these wells, 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

This approval terminates within 90 days if these wells have 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.

September 6, 1967

The API numbers assigned to these wells are as follows:

Well English WN #30 - 43-037-20283.

Well English WN #31 - 43-037-20284.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sc

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

10

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DATE*
(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 Well

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Boundary Butte-Cocoonine

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

Sec. 21-118-22N, SIM

12. COUNTY OR PARISH

San Juan

13. STATE

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 NE SE - 2250' f/South & 400' f/East lines Sec. 21

14. PERMIT NO.

Mr. P. T. McGrath, 9/6/67

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

5283' 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*

Setting surface casing

(NOTE: Report results of multiple completion on Well Completion or Recombination 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.)*

Spud 8:30 a.m. 9/21/67. Drld 12-1/4" hole to 166'. Set 3 fts 8-5/8" OD 2 1/2 J-55 N casing @ 97', ground meas., with 100 sx Class "A" cement, 3% CaCl₂ cement grt. plug down 4 p.m. 9/21/67. WOC. Tested casing & BOP @ 500# f/ 30 min., O.K.. Drld out 6 a.m. 9/22/67.

9/22/67 - Drilling ahead @ 156'.

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

SIGNED

M. E. Brown

TITLE

Chief Office Clerk

DATE

9/23/67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN REVERSE SIDE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

1-149-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

English W

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Boundary Britts- Coconino

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

Sec. 21-438-228, SLM

12. COUNTY OR PARISH

San Juan

13. STATE

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.)

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 NE SE - 2250' f/South & 400' f/East lines Sec. 21

14. PERMIT NO.

Mr. P. T. McGrath, 9/6/67

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

5283' 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) **Testing & 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.)*

Attempt DST 1408-1437', tool plugged. Rec'd 30' drlg mud, no press recorded.
DST 1411-1437', Coconino, Gd blow dec'd to no blow @ end of test, Open 1 hr. Rec'd 1140' water, N.S., 30 min ISIP 468#, BHFP 13-462#, 30" FSIP 462#, Hyd 686#. Drld to 1447'.
Attempt DST 1437-1447', Open 18 min, vy weak blow & died. Tool Plugged. Rec'd 30' mud.
DST 1437-1447', Open 1 hr, weak to fair blow. Rec'd 25h' oil & 60' muddy water. ISIP not taken, BHFP 26-105#, 30 min FSIP 481#. Drld to 1540'. Ran I-ES & Densilog.
Set 49 jts 5-1/2" OD 14# SH casing @ 1540', ground meas., with 100 lb Glass "A" cement. Plug down 10:00 p.m. 9/26/67. WOC.
Prep perforate, treat if necessary, and complete.

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

SIGNED

M. E. Brown

TITLE

Chief Office Clerk

DATE

9/27/67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN T
(Other instruct
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-119-DM-7180

6. INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

English NW

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Boundary Butte - Coconino

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

Sec. 21-138-22E, S1N

12. COUNTY OR PARISH

San Juan

13. STATE

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 NE SE - 2250' 1/2 South & 400' 1/2 East lines Sec. 21

14. PERMIT NO.

Mr. P. T. McGrath, 9/6/67

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

5283' OL

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.)*

10/5/67 1506 FBTD - MI & RR Mesa Field Service. Perforated Coconino 1142-1145 w/ 4 jet holes per foot. Ran 46 jts 2-1/8" OD tubing set @ 1141', seating nipple @ 1127'. Swab 3 hours. 21 BW 1st hr, 7 BW 2nd hr, 2 BW 3rd hour, seum of oil. Flg 2' bottom, 100' fld in hole. 20' night.
10/6/67 1506 FBTD - FL 1000'. Swabbed 8 BF 1st 2 hours, 80% water. Then swabbed 7 bbl clean oil in 5 hours. Ran rods & 2 1/2 x 10' pump. Prop inst. pump equip.
COMPLETED OIL WELL 10/6/67 - Swabbing at the rate of 14 BOPD from Coconino perms 1142-1145

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

SIGNED *M. E. Brown*

TITLE **Chief Office Clerk**

DATE **10/7/67**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

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.

5. LEASE, DESIGNATION, AND SERIAL NO.

I-119-IND-7180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

English W

8. FARM OR LEASE NAME

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Boundary Butte-Cocconino

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

Sec. 21-135-228, 8th

12. COUNTY OR PARISH

Sadron

13. STATE

Utah

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 NE SE - 2250' f/South & 400' f/East Lines**

Sec. 21

At top prod. interval reported below

At total depth

14. PERMIT NO.

Mr. P. T. McGrath

DATE ISSUED

9-6-67

15. DATE SPUNDED

9-21-67

16. DATE T.D. REACHED

9-26-67

17. DATE COMPL. (Ready to prod.)

10-6-67

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

5283' OL

19. ELEV. CASINGHEAD

5283'

20. TOTAL DEPTH, MD & TVD

1510'

21. PLUG, BACK T.D., MD & TVD

1506'

22. IF MULTIPLE COMPL., HOW MANY*

1

23. INTERVALS DRILLED BY

→

ROARY TOOLS

0-1510'

CABLE TOOLS

none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Cocconino-Top @ 1404' to T.D.

25. WAS DIRECTIONAL SURVEY MADE?

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric; GR-Density; Cement Bond Log

27. WAS WELL CORRED.

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" OD	2 1/2#	97'	12 1/4"	100 sx. Class "A" w/ 3% Ca Cl.	none
5 1/2" OD	1 1/4# SH	1540'	7 7/8"	100 sx. Class "A"	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none					2 3/8" OD	1431' w/ SH @ 1427'	

31. PERFORATION RECORD (Interval, size and number)

Cocconino-1442-1445 w/4 jet holes per ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
No treatments.	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10-7-67	Pumping-2" x 1 1/2' x 10'	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-6-67	5	Swab	→	7	-	-	43°
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API. (CORR.)	
-	-	→	3 1/2	✓	-	43°	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Two each 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

Office Clerk

DATE

October 12, 1967

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 #30
Operator Sinclair Oil & Gas Company Address 501 Lincoln Tower Bldg. Phone 266-2460 (AC 303)
1860 Lincoln St. Denver, Colorado 80203
Contractor Signal Oilfield Service, Inc. Address P.O. Box 1556 Phone 325-6261 (AC 505)
Farmington, New Mexico
Location NW 1/4 SW 1/4 Sec. 22 T. 43 N R. 22 E San Juan County, Utah.
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>Recovery on DST 1476-96': 600' clean oil, 60' OCM, no water.</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u>No water encountered.</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.

6

**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 & 400'FEL, Section 21
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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.
31

10. FIELD OR WILDCAT NAME
Boundary Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21-43S-22E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
None

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5283' GL

REQUEST FOR APPROVAL TO:	TEST WATER SHUT-OFF <input type="checkbox"/>	SUBSEQUENT REPORT OF:	<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 ✓		

(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 (1442'-1445') 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
Stephen C. Rose

(This space for Federal or State office use)

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

TA PROCEDURE FOR ENGLISH WN31, BOUNDARY BUTTE FIELD

Location: NESE Section 21-T435-T22E, San Juan County, Utah

Current Status: 8-5/8", 24# casing @ 97'
5-1/2", 14# casing @ 1540', estimated TOC - 1040'
2-3/8", 4.7# tubing @ 1431'
PBSD - 1506'

Perforations: 1442' - 1445'

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", 14# casing to ± 1430'. P/U bridge plug with setting tool on wireline and set at ± 1420'.
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
	<u>500</u>
	\$ 5,100

8
R Co.

9

10

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

Vaughey
1
4707 T.D.

R Co.

17
17
17
A.R.Co.

Eldorado
1
5470 T.D.

Sinclair
2
5000 T.D.

15
A.R.Co.

16

26
23
25
21
24
1290 T.D.
15
34

18
1300 T.D.

R Co.

Sunroy
1
5641 T.D.

A.R.Co.
22

A.R.Co.
1
S.I.

21

19
13
17
28
10
20
33
31

16
14
32
1645 T.D.
4
5
27
1180 T.D.
8
29
30
35
36

Mutual Oil
1
502 T.D.

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37

A.R.Co.

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11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THE MANNER
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

IF INDIAN, ADOPTED 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 different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		2. UNIT AGREEMENT NAME
2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of Atlantic Richfield Company		English Unit
3. ADDRESS OF OPERATOR 707-17th Street, P.O. Box 5540, Denver, Colorado 80217		3. FARM OR LEASE NAME
4. LOCATION OF WELL Report location clearly and in accordance with any State requirements. See also space 17 below. At surface		English WN
2200' FSL & 400' FEL, Section 21		9. WELL NO.
14. PERMIT NO. API#-None		31
15. ELEVATIONS (Show whether OF, AT, OR, ETC.)		10. FIELD AND POOL, OR WILDCAT
5283' GL		Boundary Butte
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
		Sec. 21-T43S-R22E
		12. COUNTY OR PARISH 13. STATE
		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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input 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 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. Buge

Federal approval of this action is required before commencing operations.

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

SIGNED Stephen Rose TITLE Dist. Prod. Sup't. DATE 3-28-85
S. C. ROSE

(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 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

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:

<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	NESR, 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 TRIPLICATE*
(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.)

RECEIVED

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME English Unit	
2. NAME OF OPERATOR ARCO Oil and Gas Company, Division Atlantic Richfield Company		8. FARM OR LEASE NAME English WN	
3. ADDRESS OF OPERATOR 707 17th Street, P. O. Box 5540, Denver, Colorado 80217		9. WELL NO. 31	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2250'FSL & 400'FEL, Section 21		10. FIELD AND POOL, OR WILDCAT Boundary Butte	
14. PERMIT NO. 43037 20284 API # - None 2080		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5283' GL	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21-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:	
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <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 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 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 4, 1985 to November 5, 1985. Approximately 31 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: *[Signature]*

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

SIGNED *[Signature]* TITLE *Production Supervisor / Prod. Supt* DATE 12/4/85

(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
BUREAU OF LAND MANAGEMENT

PERMIT IN THE
ORDER OF THE
BUREAU OF LAND MANAGEMENT

Form approved
Bureau Bureau No. 1000-1000
Expires 06/30/85

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

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED

Navajo
UNIT AGREEMENT NAME

1. WELL TYPE
OIL WELL GAS WELL OTHER

English Unit
FARM OR LEASE NAME

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

DEC 19 1985

English WN
WELL NO.

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

31
FIELD AND POOL, OR WILDCAT

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

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

~~2250'~~ FSL & 400' FEL, Section 21
2250'

RECEIVED
APR 28 1985

Sec. 21-T43S-R22E
COUNTY OR PARISH STATE

14. PERMIT NO. API#-None
15. ELEVATIONS Show whether of ST. OR. ETC.
5283' GL

San Juan Utah

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

We plan to commence plugging operations by June, 1985.

APPROVED
APR 10 1985
John J. Keller
AREA MANAGER
FARMINGTON RESOURCE AREA

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

SIGNED Stephen Rose
S. C. Rose

TITLE Dist. Prod. Sup't.

APR 10 1985

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

x c: Kris Fuhr - Frngtr.

*See Instructions on Reverse Side

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'
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