

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet 7
 Location Map Pinned ✓
 Card Indexed ✓
 IWR for State or Fee Land ✓

Checked by Chief PMP
 Copy NID to Field Office ✓
 Approval Letter ✓
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 1-22-64
 EW _____ WW _____ FA _____
 EW _____ OS _____ PA ✓

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 2-28-64
 Electric Logs (No. 1) 2

F _____ I GR ✓ FJ _____ GR _____ GRNI _____ NI _____
 LH _____ MH _____ SH _____ OH _____

Subsequent Report of Abandoned Fermentation Density Log

Atlantic Refining Company, Rockford
Oil Corporation merged effective Jan.

1966.

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 **Wildcat** SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
The Atlantic Refining Co.

3. ADDRESS OF OPERATOR
Box 2197, Farmington, N.M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
N 3 SE (1980' PAL & 620' PHL) Sec. 21
 At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4 miles west of Huntington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
620'

16. NO. OF ACRES IN LEASE
2400

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
none

19. PROPOSED DEPTH
2800'

20. ROTARY OR CABLE TOOLS
rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR. 6145.0'

22. APPROX. DATE WORK WILL START*
1-3-1964

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8-5/8"	26.4	200' ✓	150 cu feet
6-3/4"	4-1/2"	10.5	20'	200 "

We propose to drill this well to test the Ferron sand at approximately 2500'. If commercial production is found, casing will be set through producing zone and perforated. A sand oil fracture will probably be necessary to stimulate production. ✓

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 B. J. Sartain TITLE Dir. & Production Supt. DATE 12-27-63

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

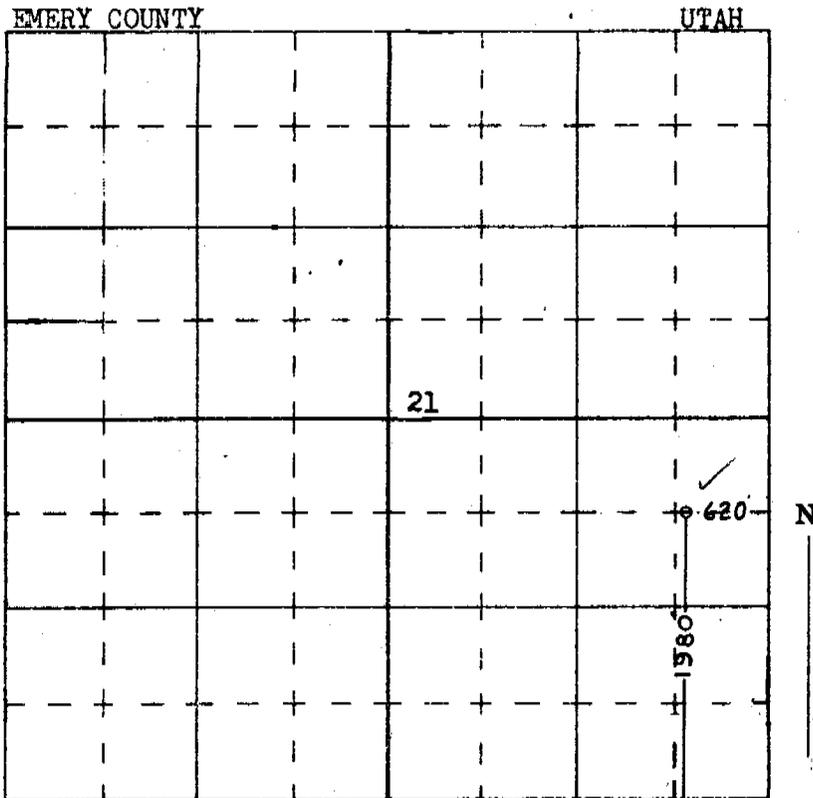
COMPANY THE ATLANTIC REFINING COMPANY

LEASE Calco Federal WELL NO. 21-1

SEC. 21, T. 17 S., R. 8 E.

LOCATION 1980 feet from the SOUTH line and 620 feet from the EAST line.

ELEVATION 6145.0 UNGRADED GROUND



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James P. Leese
Registered Land Surveyor.

SEAL:

James P. Leese
Utah Reg. No. 1472

SURVEYED 21 December, 1963



December 30, 1963

Atlantic Refining Company
Box 2197
Farmington, New Mexico

Re: Notice of Intention to Drill Well
No. CALCO FEDERAL #21-1, 1980' FSL
and 620' FEL, NE SE of Section 21,
Township 17 South, Range 8 East, SLBM,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill Well No. Calco Federal #21-1, is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Don Russell, District Engineer
U. S. Geological Survey, Salt Lake City, Utah

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission - Moab, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R141

5. LEASE DESIGNATION AND SERIAL NO
U-090442

6. IF 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 different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER wildcat		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR The Atlantic Refining Co.		8. FARM OR LEASE NAME Galco Federal	
3. ADDRESS OF OPERATOR Box 2197, Farmington, N.M.		9. WELL NO. 21-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE SE (1980 FSL & 620 FEL) Sec. 21		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T-17S, R-8E	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL: 6145.0' D.F. 6149		12. COUNTY OR PARISH Essex	
		18. 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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) casing <input checked="" 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.)*

Spudded well at 7:00 A.M. 1-14-64. Drilled 8-3/4" hole to 233', with air. Ran 7 jts. 7" OD 20# J-55 casing w/float shoe (224.23') set at 230'. Cemented w/80 sz Ideal cement plus 2% CaCl. Plug down at 7:00 PM 1-15-64. W.O.C. 12 hrs. and tested casing w/500 psi O.K. Started drilling w/air 7:00 AM 1-16-64. ✓

18. I hereby certify that the foregoing is true and correct
SIGNED **B. J. Sartan** TITLE **Drilling & Production Supv.** DATE **1-20-64**

(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 TRIPlicate*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-090442

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Calco Federal

9. WELL NO.
21-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLEK AND
SURVEY OR AREA
Sec. 21, T-17S, R-8E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

1. OIL WELL GAS WELL OTHER Wildcat
2. NAME OF OPERATOR The Atlantic Refining Company
3. ADDRESS OF OPERATOR Box 2197, Farmington, N. M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
NE SE (1980' FSL & 620' FEL) Sec. 21

14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL: 6145' DF 6149'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Well was drilled to total depth of 2391' w/air. Filled hole with gel mud weighing 8.6#/gal. Spotted the following cement plugs through open ended drill pipe on 1-22-64.

From: 2180' to 2040' with 30 sacks cement
" 260' to 175' with 20 sacks cement
" (GL)4' to 24' with 5 sacks cement

Put in dry hole marker.
Cleaned up location 2-1-64.

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

SIGNED

B. J. Sartain

TITLE

Drilling & Prod. Supv.

DATE

2-19-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from surface feet to 2391TD feet, and from _____ feet to _____ feet
 Cable tools were used from none feet to _____ feet, and from _____ feet to _____ feet

DATES

(S&A)
1-22-64, 19____ Put to producing _____, 19____
 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. _____

EMPLOYEES

Bush Drilling Co., Driller _____, Driller _____
 _____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	2070	2070	Mancos (blue gate)
2070	2391	321	Ferron
<u>F&A Record</u>			
2040	2180	140	w/30 sx cement
175	260	85	w/20 sx cement
4	24	20	w/5 sx cement
Intervals between plugs filled w/gel mud.			

FORMATION RECORD—CONTINUED

16-48094-5

UNITED STATES

FEDERAL BUREAU OF INVESTIGATION
 RECEIVED
 DIVISION OF INVESTIGATION
 WASHINGTON, D. C. 20535
 JAN 23 1964

FORM 8-62

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-090442

6. IF 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 different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Calce Federal

9. WELL NO.

21-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 21, T-17N, R-8E

12. COUNTY OR PARISH 13. STATE

Emery Utah

1. OIL WELL GAS WELL OTHER **Wildcat**

2. NAME OF OPERATOR

The Atlantic Refining Co.

3. ADDRESS OF OPERATOR

Box 2197, Farmington, N.M.

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

NE SE (1900' FSL & 620' FKL) Sec. 21

14. PERMIT NO.

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

OL: 6149' DF: 6149'

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

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.)*

This well was drilled to a total depth of 2400' w/air. No hydrocarbons or waters were encountered. We propose to plug and abandon this well as follows: 7" OD casing is set at 230',

(1) Fill hole with gel mud.

(2) Spot following cement plugs through open ended drill pipe.

From 2160-2040 using 30 sx cement (top Ferron 2070').

" 265- 175 " 20 "

Put 5 sx plug in top 7" surface casing.

Put in dry hole marker and clean up location.

This procedure was verbally approved by Mr. D. F. Russell with the U.S.G.S, and by Mr. Paul W. Burchell with the Utah Oil & Gas Conservation Commission.

A subsequent report will be submitted after the location has been cleaned up.

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

SIGNED

B. J. Sartain

TITLE

Dir. & Prod. Supv.

DATE

1-22-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

1 Copy GNB
2" NW

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Calco Federal 21-1

Operator Atlantic Refining Co. Address Box 2197 Farmington, N.M. Phone 325-7527

Contractor Bush Drilling Co. Address 190 Hall Ave Grand Junction, Colo. Phone CH 3-0493

Location: NE $\frac{1}{2}$ SE $\frac{1}{2}$ Sec. 21 T. 17 N R. 8 E Emery County, Utah.
S W

Water Sands: None - see remarks

<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.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continued on reverse side if necessary)

Formation Tops:

Spud - Blue Mountain
2070 - Ferron

Remarks:

Entire hole drilled with air.
Had small amount water at 40' and at 90'. Neither sufficient to measure. Blew dry and set 7" casing at 230'. Drilled from 230' to 2391' with air with no indication of water.

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)

April 14, 1964

Atlantic Refining Company
Box 2197
Farmington, New Mexico

Re: Well No. Calco Federal 21-1
Sec. 21, T. 17 S., R. 8 E.,
Emery County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

If logs were not run, please make a statement to that effect in order to keep our records accurate and complete.

Thank you for your consideration in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

CNP

ATLANTIC

THE ATLANTIC REFINING COMPANY

INCORPORATED - 1870

PETROLEUM PRODUCTS

April 17, 1964

NORTH AMERICAN PRODUCING DEPARTMENT
ROCKY MOUNTAIN DISTRICT

S. L. SMITH, MANAGER
C. M. BONAR, GEOLOGICAL
FRANK P. CASTLEBERRY, LAND
R. O. CHILDERS, DRILLING & PRODUCTION
R. P. CURRY, ADMINISTRATIVE
DAVID B. DAVIDSON, GEOPHYSICAL
T. O. DAVIS, ENGINEERING

SUITE 1500
SECURITY LIFE BUILDING
1616 GLENARM
DENVER, COLORADO 80202
266-3741

Clarella N. Peck, Records Clerk
The State of Utah
Oil & Gas Conservation Commission
310 New House Building, 10 Exchange Place
Salt Lake City, Utah 84111

Re: Well No. Calco Federal 21-1
Section 21, T-17-S, R-8-E
Emery County, Utah

Dear Miss Peck:

As requested in your letter of April 14, 1964, enclosed
is one copy each of the logs which were run in the subject
well.

Yours very truly,

THE ATLANTIC REFINING COMPANY

By

R. O. Childers

R. O. Childers

jsh
enclosure

July 28, 1964

On July 27, 1964, Mr. Rodney Smith, District Engineer for the U. S. Geological Survey, informed me that the following plugged wells have been satisfactorily abandoned and approved by his agency:

Pan American Petroleum Corporation, Well No. Ute Indian Tribe #1,
NW SW Sec. 31, T. 4 S., R. 8 W., Duchesne County, Utah

Atlantic Refining Company, Well No. Calco Federal #21-1,
NE SE Sec 21, T. 17 S., R. 8 E., Emery County, Utah

Amax Petroleum Corporation, Well No. Green River Desert Unit #9-7,
SW NE Sec. 9, T. 22 S., R. 15 E., Emery County, Utah

Utah Plateau Uranium Corporation, Well No. Federal #1,
SW SW Sec. 11, T. 22 S., R. 8 E., Emery County, Utah

United Technical Industries, Inc., Well No. UTI Shelton-Federal #3,
SW SE Sec. 19, T. 20 S., R. 24 E., Grand County, Utah

Belco Petroleum Corporation, Well No. Westbit Unit #3,
SW SW Sec. 31, T. 15 S., R. 25 E., Grand County, Utah

Alpine Oil Company, Inc., Well No. Wild Cow Unit Government #1,
SW SE Sec. 4, T. 17 S., R. 25 E., Grand County, Utah

Tidewater Oil Company, Well No. East Canyon Unit 23-8 #1,
NE SW Sec. 8, T. 16 S., R. 25 E., Grand County, Utah

Trend Oil Company, Well No. Bryson Canyon Unit #4,
NW NW Sec. 14, T. 17 S., R. 24 E., Grand County, Utah

Trend Oil Company, Well No. Bryson Canyon Unit #5-A,
SW SE Sec. 12, T. 17 S., R. 24 E., Grand County, Utah

Pumpelly-Stava, Well No. Pumpelly-Stava #30-81,
NE NE Sec. 30, T. 20 S., R. 24 E., Grand County, Utah

William G. Bush, Well No. Bush Federal #5-1,
NE NE Sec. 5, T. 21 S., R. 24 E., Grand County, Utah

William G. Bush, Well No. Bush Federal #5-2,
NE NE Sec. 5, T. 21 S., R. 24 E., Grand County, Utah

Calvert Western Exploration Company, Well No. Big Flat Unit #7,
SE NW Sec. 6, T. 26 S., R. 20 E., Grand County, Utah

Calvert Western Exploration Company, Well No. Big Flat Unit #6,
NW SE Sec. 27, T. 25 S., R. 19 E., Grand County, Utah