

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOG \_\_\_\_\_  WIRE \_\_\_\_\_ WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

*Location abandoned - 1/5/75*

DATE FILED 7-9-73

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-2915 \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: 7-10-73

SPUDED IN:

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: *Wildcat* *3/26 Undesignated*

UNIT:

COUNTY: Grand

WELL NO. LARSEN FEDERAL #20-2 \_\_\_\_\_ APT. NO. 43-019-30168 \_\_\_\_\_

LOCATION 1699' \_\_\_\_\_ FT. FROM (N) ~~LINE~~ LINE, 314' \_\_\_\_\_ FT. FROM ~~(E)~~ (W) LINE. NW SW NW  $\frac{1}{4}$ - $\frac{1}{4}$  SEC. 20

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR

18 S 25 E 20 THUNDERBIRD OIL & GAS

**FILE NOTATIONS**

Entered in NID File .....  
Location Map Pinned .....  
Card Indexed .....

Checked by Chief *Quil*  
Approval Letter *7-10-73*  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....

OW..... WW..... TA.....

GW..... OS..... PA.....

Location Inspected .....

Bond released

State or Fee Land .....

**LOGS FILED**

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CLog..... Others.....

*Approval to Drill Terminated  
1-5-76 JAT*

Exclusive "Padded Shoulder" Feature

*Co-ford*



*Let  
5-25-90*

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  
 Thunderbird Oil & Gas Co.

3. ADDRESS OF OPERATOR  
 710 Bunker Drive Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1699 FNL & 314 FWL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 North Harley Dome Area

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      3580'

16. NO. OF ACRES IN LEASE      1000

17. NO. OF ACRES ASSIGNED TO THIS WELL      10

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      687'

19. PROPOSED DEPTH      1800 Morrison ✓

20. ROTARY OR CABLE TOOLS      Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4988' Gr.

22. APPROX. DATE WORK WILL START\*  
 July 15, 1973

5. LEASE DESIGNATION AND SERIAL NO.  
 U-2915

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Larsen

9. WELL NO.  
 Fed. 20-2

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 20-18 So. R. 25 E.

12. COUNTY OR PARISH      13. STATE  
 Grand      Utah

*NEWS NW*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 7/8"	7 5/8"	24#	90'	50 sacks Circ. to Surf. ✓
6 1/4"	5 1/2"	14#	To Production	Circ. Cem. above Gas Zone if any

This well is scheduled as a test to the middle Bruchey Basin Sand est. at 1750' or Commercial production if encountered at a lesser depth.

Blowout equipment to be used

- 1- Regan-Nitrogen Operated B.O.P. ✓
- 2- 8" full opening H.P. Shut off Valve. ✓
- 3- Rotating Head ✓

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.

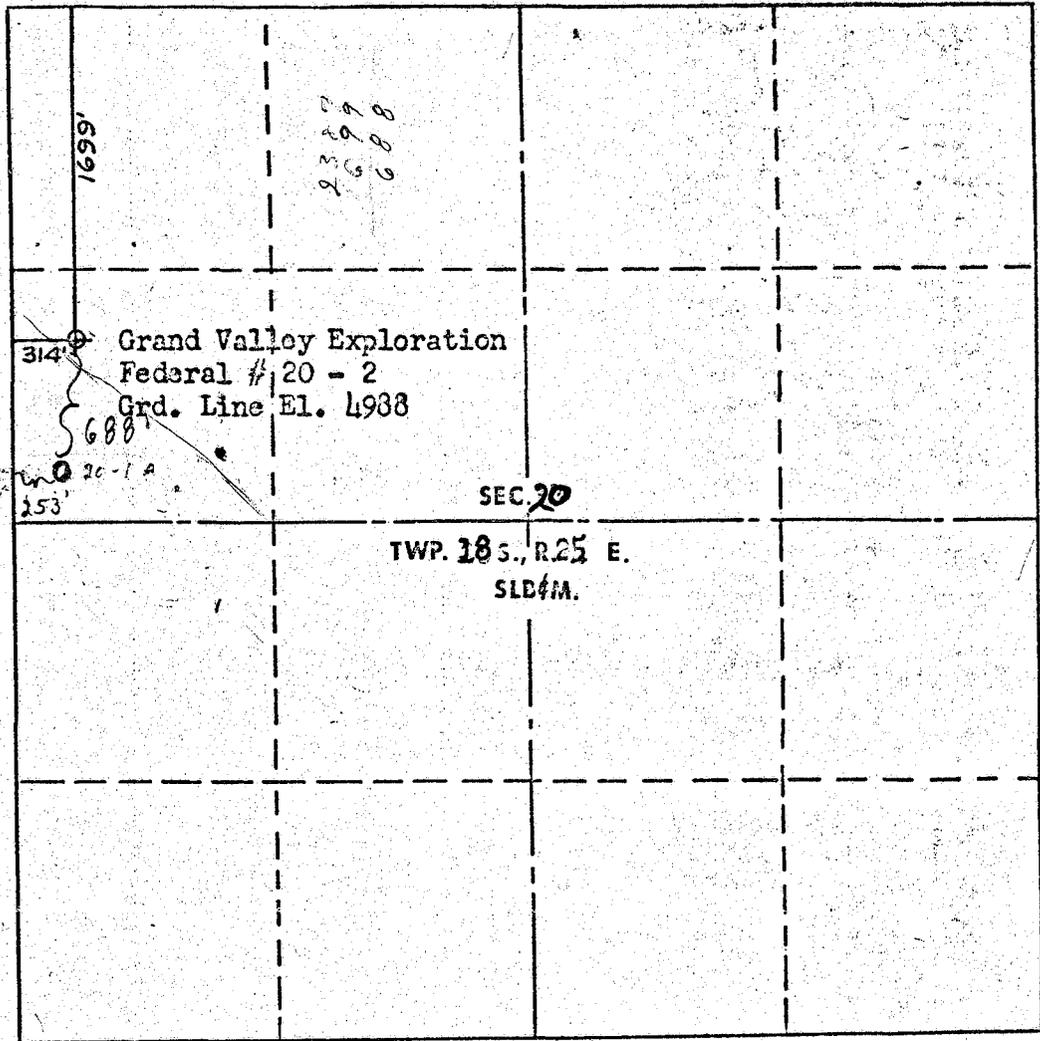
24. SIGNED Stan L. Jacobs TITLE President DATE 7-6-73

(This space for Federal or State office use)

PERMIT NO. 43-019 30168 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY :



SURVEYORS CERTIFICATE

I, GEORGE H. NEWELL A REGISTERED LAND SURVEYOR AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH, HOLDING LICENSE NO. 1770, CERTIFY THAT THIS PLAT OF:

GRAND VALLEY EXPLORATION FEDERAL # 20 - 2

AND MORE SPECIFICALLY DESCRIBED AS FOLLOWS:

1699 feet from the North line and 314 feet from the West line of Section 20, T. 18 S., R. 25 E., SLB&M.

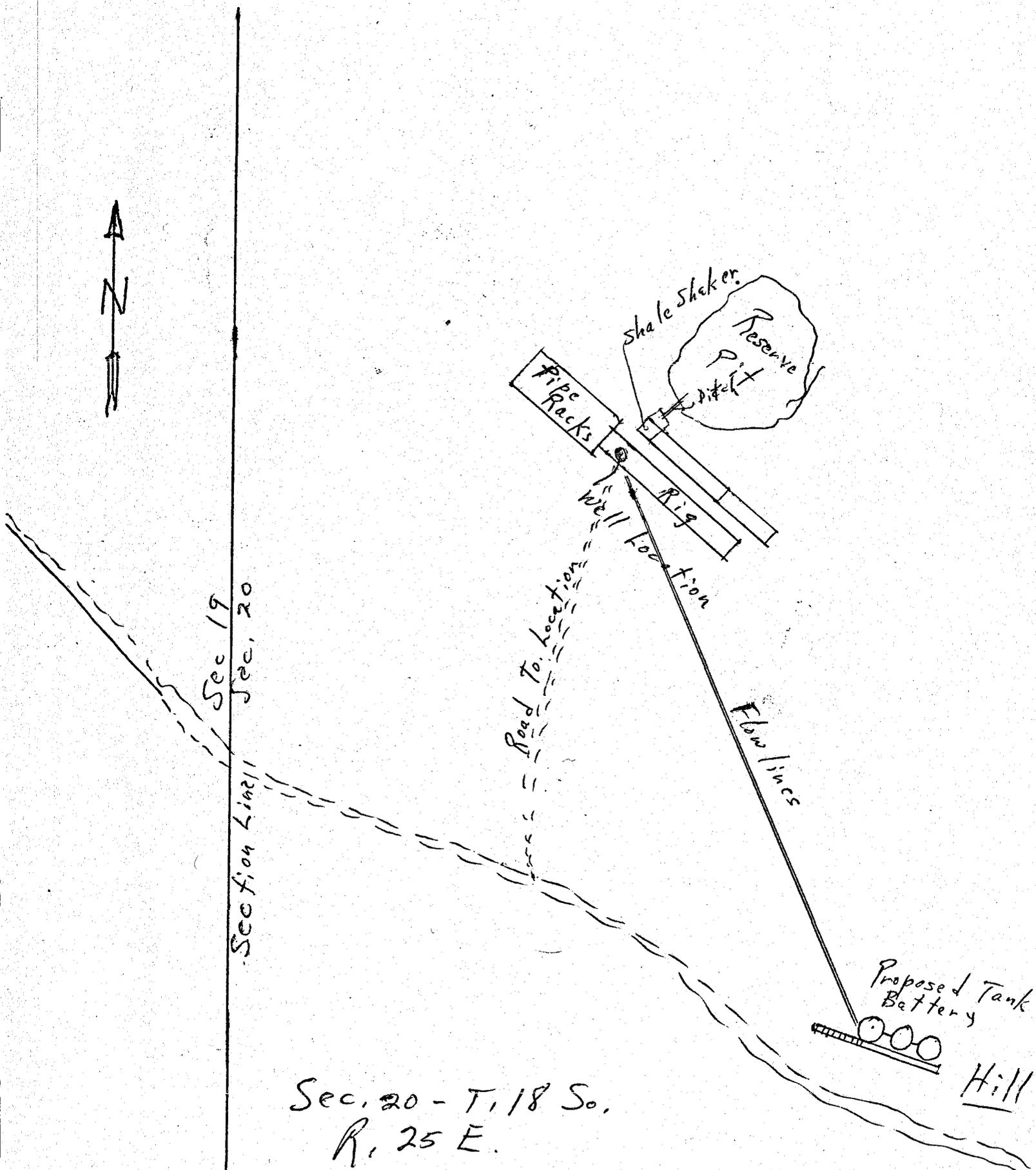
IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE July 3, 1970

*George H. Newell*  
GEORGE H. NEWELL

Part 3 of 12 Part Plan of Development

The leasee agrees to upgrade the roads to any well or other improvement which is regularly maintained or inspected as directed by the District Manager's Authorized Representative if any well becomes a producer or if any improvement is needed for the sustained production of oil and gas i.e. gauging stations, cathodic stations, and ect. Such upgrading may include ditching and draining, culverts, and graveling or capping of the road bed.



Scale - 100' = 1"



Thunderbird Oil & Gas Co.  
710 Bunker Drive  
Grand Junction,  
Colorado 81501

Development Plan for Surface Use in Connection with Drilling  
Larsen No. 20-2 Well

- 1- There are adequate existing roads to within 300 ft. of well location.  
See attached map
- 2- There are no planned new access roads to the location.
- 3- See Location Plan Part 3.
- 4- Lateral road to well location already in.
- 5- See Location Plan Part 3.
- 6- Colorado River
- 7- Haul garbage to dump and have portable toilet.
- 8- None needed
- 9- None planned
- 10- See Location Plan Part 3.
- 11- Gravel access road and location in event of production. Level and reseed location if required.

*P*

July 7, 1973

Gerald R. Daniels  
U.S. Geological Survey  
8416 Federal Bldg.  
Salt Lake City, Utah 84111

Dear Mr. Daniels:

Due to unexpected changes involving the drilling of the Larsen Federal No. 20-1 A and 20-2 wells and the commitments for Ross' rig it will surely be appreciated if approval to drill the 20-2 well, application for which is enclosed herewith, can be expedited in order that the rig can be moved to the location after the No. 20-1 A is completed.

This would save considerable time as well as several hundred dollars of moving and trucking costs.

No. 20-1 A is down around 800 feet as of today. If all goes well it should be completed by or before July 15, 1973.

I have sent copies of the application to drill, ect. to Cleon Feight and Marvin Jensen.

Very truly yours,

*Ilan*

Ilan L. Jacobs

*10-6-73*

July 10, 1973

Thunderbird Oil & Gas Company  
710 Bunker Drive  
Grand Junction, Colorado

Re: Larsen Federal #20-2  
Sec. 20, T. 18 S, R. 25 E,  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the topographic exception requested in your letter of March 24, 1973. Said exception as per Rule C-3(c), General Rules and Regulations, Rules of Practice and Procedure. In the event that the nearby #20-1 well is completed as a producing oil or gas well, the above referred to well cannot be completed in the same stratigraphic interval as said well. In addition, it will be necessary to run correlation logs on both wells if they are completed as producers.

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  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-019-30168.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
cc: U.S. Geological Survey

710 Bunker Drive  
Grand Junction, Colo.  
May 14, 1974

Edgar W. Guynn, District Engineer  
United States Dept. of the Interior  
Geological Survey  
Conservation Division  
8426 Federal Bldg.  
Salt Lake City, Utah 84138

Dear Mr. Guynn:

In response to your letter of April 18, 1974 regarding my plans regarding Well location No. 20-2 Federal-Larsen located in the SW/4 NW/4 of Sec. 20. T. 18 S. R. 25 E. Grand County, Utah (O&G lease U-2915) we hereby request that your office grant an extension for spudding the well to Oct. 15, 1974 if possible to do so.

I want very much to drill this well but have been delayed both on financial commitments made several months ago and on finding a drilling contractor with a rig capable of drilling to Granite estimated to be 3300 to 3500 ft.

It appears that the finances will be made available to me on or before the latter part of July 1974 and my son, Ross Jacobs, D.B.A. Jacobs Drilling Co. is taking delivery on a new Failing Stratmaster Rotary Rig during the latter part of June 1974. This rig is easily capable of drilling the well to Granite but will not be ready for actual drilling operations until the fore part of July 1974.

It will therefore be appreciated if the requested extension is granted.

Very truly yours,

  
Thunderbird Oil & Gas Co  
Ilan L. Jacobs, President

C.C. Oil & Gas Conservation Commission  
1588 West No. Temple  
Salt Lake City, Utah 84106

January 5, 1976

Thunderbird Oil & Gas  
710 Bunker Drive  
Grand Junction, Colorado 80501

Re: Larsen Federal 20-2  
Sec. 20, T. 18 S, R. 25 E,  
Grand County, Utah

Gentlemen:

Upon checking our records it is noted that there has been no attempt to commence drilling operations on the above referred to well for a period of over two years. Therefore, please be advised that the approval granted by this Division on July 10, 1973, to drill said well is hereby terminated.

If and when you decide to drill this well, it will be necessary to again obtain the approval of this office.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
DIRECTOR

CBF:sw