

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/obd. \_\_\_\_\_

2-9-70 Approval terminated for failure to spend

DATE FILED 9-12-69

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. \_\_\_\_\_ INDIAN X

DRILLING APPROVED: 9-12-69

SPUDED IN:

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

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: L.A.

FIELD: Bluebell Field Extension

UNIT:

COUNTY: Duchesne

WELL NO. UTE TRIBAL #2-34-C

API NO. 43-013-30023

LOCATION 1310' FT. FROM ~~XXX~~ (S) LINE, 1310' FT. FROM ~~XX~~ (W) LINE. NE SW SW 4-4 SEC. 34

| TWP.       | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR |
|------------|------|------|----------|------|------|------|----------|
| [REDACTED] |      |      |          |      |      |      |          |

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUE. REPORT/abd. \_\_\_\_\_

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PUBLIC LEASE NO.

INDIAN

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COMPLETED:

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DATE ABANDONED:

FIELD: ~~Bluebell Field Extension~~

UNIT:

COUNTY: Duchesne

WELL NO. UTE TRIBAL #2-34-C

API NO. 43-013-30023

LOCATION 1310'

FT. FROM ~~XXX~~ (S) LINE,

1310'

FT. FROM ~~XX~~ (W) LINE.

NE SW SW

1-1/4 SEC.

34

| TWP. | RGE. | SEC. | OPERATOR                | TWP. | RGE. | SEC. | OPERATOR |
|------|------|------|-------------------------|------|------|------|----------|
| 1 N  | 2 W  | 34   | FLYING DIAMOND LAND CO. |      |      |      |          |

Bond on file with U.S.G.S.  
Approval terminated for failure to spend -  
2-9-70

**FILE NOTATIONS**

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

Checked by Chief *[Signature]* .....  
Approval Letter *Feb 2 1970* .....  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....  
W..... WW..... TA.....  
NW..... 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..... CCLog..... Others.....

FLYING DIAMOND LAND AND MINERAL CORPORATION  
83 West Main Street  
Vernal, Utah

September 8, 1969

Utah Division of Oil and Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah

Gentlemen:

Enclosed you will find applications for permits to drill two wells, one in the West  $\frac{1}{2}$  of Section 13, T-1-S, R-2-W, U.S.M. ; the other in the West  $\frac{1}{2}$  of Section 34, T-1-N, R-2-W, U.S.M.

The locations are being surveyed at the present time. As soon as I have the plats, I shall send them to you. Thank you very much. ✓

Respectfully yours,



Gary Sprouse  
Vice-President

GS:tw

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

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  
 Flying Diamond Land & Mineral Corporation

3. ADDRESS OF OPERATOR  
 83 West Main Street, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 Center of SW $\frac{1}{4}$ , T-1-N, R-2-W, U.S.M.  
 At proposed prod. zone  
 Lower Green River *McSwain*

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

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Ute Tribal

9. WELL NO.  
 2-34-C

10. FIELD AND POOL, OR WILDCAT  
 Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Center of SW $\frac{1}{4}$ , Sec. 34  
 T-1-N, R-2-W, U. S. M.

12. COUNTY OR PARISH      18. STATE

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1310 FSL 1310' FWL

16. NO. OF ACRES IN LEASE  
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 11,200'

19. PROPOSED DEPTH  
 11,200'

20. ROTARY OR CABLE TOOLS  
 Rotary

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

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 13 7/8       | 10 3/4         | 24 lbs.         | 550'          | 250 SX             |
| 8 3/4        | 7"             | 20 lbs.         | 11,100'       | As needed (400SX)  |

This work will be the drilling, testing of all significant shows and possible casing, cementing, and completion of a well in the West  $\frac{1}{2}$  of Sec. 13, T-1-S, R-2-W. USM. We will use gel oil base mud with approximate and gradual build up in weight of 10.2. We will use high pressure blowout preventor for 4 $\frac{1}{2}$ " drill pipe and Hydrillfor collars with kill lines, high pressure pipe and valves..

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 *[Signature]* TITLE *Vice President* DATE 9/6/69

(This space for Federal or State office use)  
 PERMIT NO. 43-013-30023 APPROVAL DATE \_\_\_\_\_

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

\*See Instructions On Reverse Side

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

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  
Flying Diamond Land & Mineral Corp.

3. ADDRESS OF OPERATOR  
83 West Main Vernal, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 Center of SW 1/4 T 1 N. R 2 W USM  
 At proposed prod. zone  
 Lower Green River

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

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16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
11200'

19. PROPOSED DEPTH  
11200'

20. ROTARY OR CABLE TOOLS  
Rotary

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

22. APPROX. DATE WORK WILL START\*  
Oct. 15, 1969

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Ute Tribal

9. WELL NO.  
2-34C

10. FIELD AND POOL, OR WILDCAT  
Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Center of SW 1/4 Sec. 34 T. 1 N. R. 2 W 1/4 S M

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT  |
|--------------|----------------|-----------------|---------------|---------------------|
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This work will be the drilling, testing of all significant shows and possible casing, cementing and completion of a well in the west 1/2 of Sec. 13, T 1 So. R 2 W USM.

We will use gel oil base mud with approximate and gradual build up in weight of 10.2. We will use high pressure blowout preventor for 4 1/2 " drill pipe and Hydrill for collars with kill lines, high pressure pipe and valves.

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. SIGNER Mary F. Spruce TITLE Vice President DATE 9-6-69  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY :

September 12, 1969

Flying Diamond Land & Mineral Corp.  
83 West Main  
Vernal, Utah 84078

Re: Well No's: Ute Tribal #2-34-C,  
Sec. 34, T. 1 N, R. 2 W,  
James L. Powell #3,  
Sec 13, T 1 S, R. 2 W,  
Duchesne 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 No. 131-3. However, this approval is conditional upon a surveyor's plat being furnished this office for both wells, and a drilling and plugging bond being filed with this Division for the James L. Powell #3 well.

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  
OFFICE: 328-5771

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

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

The API numbers assigned to these wells are: 43-013-30023 - Ute Tribal  
43-013-30024 - Powell #3  
(See Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT  
DIRECTOR

CBF:sd  
Enclosures

cc: U S. Geological Survey  
8416 Federal Building  
Salt Lake City, Utah 84111

February 9, 1970

Flying Diamond Land & Mineral Corporation  
83 West Main  
Vernal, Utah 84078

Re: Well No. Ute Tribal #2-34-C  
Sec. 34, T. 1 N, R. 2 W, USM  
Duchesne County, Utah

Gentlemen:

Approval to drill the above mentioned well, which was granted in our letter of September 12, 1969, is hereby terminated for failure to spud-in within the time prescribed.

Also, in view of the fact that Chevron Oil Company has filed an application for 640-acre spacing which covers Section 34, approval to drill this well cannot be granted until said matter has been heard.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
cc: U.S. Geological Survey

**BAROID TREATING CHEMICALS**

|   |        |   |         |  |              |  |  |
|---|--------|---|---------|--|--------------|--|--|
| COMPANY<br><b>FLYING DIAMOND CORP.</b>      |        |   |         |  |              | SHEET NUMBER                                 |  |
| FIELD<br><b>BLUEBELL</b>                    |        |   |         |  |              | DATE<br><b>6-4-76</b>                        |  |
| WELL(S) NAME OR NO.<br><b>UTE TRIBAL #2</b> |        |   |         | COUNTY OR PARISH<br><b>DUCHESNE</b>        |              | STATE<br><b>UTAH</b>                         |  |
| LEASE OR UNIT                               |        | WATER SOURCE (FORMATION)<br><b>HEATER TREATER</b> |         |  |              |  |  |
| DEPTH, FT.                                  | BHT, F | SAMPLE SOURCE                                     | TEMP, F | WATER, BBL/DAY                             | OIL, BBL/DAY | GAS, MMCF/DAY                                |  |
| DATE SAMPLED<br><b>6-2-76</b>               |        | TYPE OF WATER                                     |         |  |              |  |  |
|   |        | <input checked="" type="checkbox"/> PRODUCED      |         | <input checked="" type="checkbox"/> SUPPLY |              | <input type="checkbox"/> WATERFLOOD          |  |
|   |        |   |         |  |              | <input type="checkbox"/> SALT WATER DISPOSAL |  |

**WATER ANALYSIS PATTERN**

(NUMBER BESIDE ION SYMBOL INDICATES me/l\* SCALE UNIT)

|                   |                    |    |    |   |   |   |    |    |    |                               |
|-------------------|--------------------|----|----|---|---|---|----|----|----|-------------------------------|
|                   | Na <sup>+</sup> 20 | 15 | 10 | 5 | 0 | 5 | 10 | 15 | 20 | Cl <sup>-</sup>               |
| Ca <sup>++</sup>  |                    |    |    |   |   |   |    |    |    | HCO <sub>3</sub> <sup>-</sup> |
| Mg <sup>++</sup>  |                    |    |    |   |   |   |    |    |    | SO <sub>4</sub> <sup>=</sup>  |
| Fe <sup>+++</sup> |                    |    |    |   |   |   |    |    |    | CO <sub>3</sub> <sup>=</sup>  |

**DISSOLVED SOLIDS**

**CATIONS**

|                                 |              |               |
|---------------------------------|--------------|---------------|
|                                 | <u>me/l*</u> | <u>mg/l*</u>  |
| Total Hardness                  | <u>23.2</u>  | <u>1160.0</u> |
| Calcium, Ca <sup>++</sup>       | <u>16.4</u>  | <u>328.0</u>  |
| Magnesium, Mg <sup>++</sup>     | <u>6.8</u>   | <u>82.6</u>   |
| Iron (Total) Fe <sup>+++</sup>  | <u>0.02</u>  | <u>0.4</u>    |
| Barium, Ba <sup>++</sup>        | <u>0.1</u>   | <u>7.0</u>    |
| Sodium, Na <sup>+</sup> (calc.) | <u>160.0</u> | <u>3679.5</u> |

**ANIONS**

|  |              |               |
|--|--------------|---------------|
| Chloride, Cl <sup>-</sup>                  | <u>174.6</u> | <u>6200.0</u> |
| Sulfate, SO <sub>4</sub> <sup>=</sup>      | <u>0.3</u>   | <u>15.0</u>   |
| Carbonate, CO <sub>3</sub> <sup>=</sup>    | <u>1.6</u>   | <u>48.0</u>   |
| Bicarbonate, HCO <sub>3</sub> <sup>-</sup> | <u>6.6</u>   | <u>402.6</u>  |
| Hydroxyl, OH <sup>-</sup>                  | <u>0.0</u>   | <u>0.0</u>    |
| Sulfide, S <sup>=</sup>                    | <u>N.D.</u>  | <u>N.D.</u>   |
| <b>PHOSPHATE (TOTAL)</b>                   | <u>0.2</u>   | <u>7.5</u>    |

**DISSOLVED GASES**

|                                    |                   |
|------------------------------------|-------------------|
| Hydrogen Sulfide, H <sub>2</sub> S | <u>N.D.</u> mg/l* |
| Carbon Dioxide, CO <sub>2</sub>    | <u>N.D.</u> mg/l* |
| Oxygen, O <sub>2</sub>             | <u>N.D.</u> mg/l* |

**PHYSICAL PROPERTIES**

|   |                          |
|---|--------------------------|
| pH                                      | <u>7.9</u>               |
| Eh (Redox Potential)                    | <u>N.D.</u> MV           |
| Specific Gravity                        | <u>N.D.</u>              |
| Turbidity, JTU Units                    | <u>N.D.</u>              |
| Total Dissolved Solids (calc.)          | <u>10771</u> mg/l*       |
| Stability Index @ <u>77</u> F           | <u>+1.3</u>              |
| @ <u>140</u> F                          | <u>+2.1</u>              |
| CaSO <sub>4</sub> Solubility @ ___ F    | <u>N.D.</u> mg/l*        |
| @ ___ F                                 | <u>N.D.</u> mg/l*        |
| Max. CaSO <sub>4</sub> Possible (calc.) | <u>N.D.</u> mg/l*        |
| Max. BaSO <sub>4</sub> Possible (calc.) | <u>7.0</u> mg/l*         |
| Residual Hydrocarbons                   | <u>N.D.</u> ppm(Vol/Vol) |

**SUSPENDED SOLIDS (QUALITATIVE)**

Iron Sulfide  Iron Oxide  Calcium Carbonate  Acid Insoluble

**REMARKS AND RECOMMENDATIONS:**

\*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

|                                     |                        |  |                                 |                               |
|-------------------------------------|------------------------|--|---------------------------------|-------------------------------|
| BTC ENGINEER<br><b>CHUCK MARTIN</b> | DIST. NO.<br><b>10</b> | ADDRESS<br><b>VERNAL, UTAH</b>   | OFFICE PHONE<br><b>789-1668</b> | HOME PHONE<br><b>789-2820</b> |
| ANALYZED<br><b>CHUCK MARTIN</b>     | DATE<br><b>6-4-76</b>  | DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE |                                 |                               |
|                                     |                        | <input type="checkbox"/> BTC ENGINEER OR <input type="checkbox"/> BTC LAB <input type="checkbox"/> BTC SALES SUPERVISOR  |                                 |                               |