

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT/abd _____

Application resubmitted 3.8.85

DATE FILED **11-30-83**

LAND: FEE & PATENTED _____ STATE LEASE NO. **ML 21720** PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: **11-30-83 - OIL/GAS**

SPUDDED IN: _____
 COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: **7513' GR**

DATE ABANDONED: **LA 3.8.85**

FIELD: **UNDESIGNATED 3/96**

UNIT: **OIL CANYON**

COUNTY: **UINTAH**

WELL NO. **OIL CANYON 32-1A**

API #43-047-31419

LOCATION **1879' FNE** FROM (N) (S) LINE. **2053' FWL** FT. FROM (E) (W) LINE. **SENW** 1/4 - 1/4 SEC. **32**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
14S	20E	32	DEL RIO RESOURCES				

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(Other instructions on
reverse side)

Bond #
2SE593633
5. Lease Designation and Serial No.
ML 21720 ✓

6

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

6. If Indian, Allottee or Tribe Name
Oil Canyon
7. Unit Agreement Name
Oil Canyon II
8. Farm or Lease Name

2. Name of Operator
Del- Rio Resources, Inc.
3. Address of Operator

9. Well No.
32-1A

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface
448 E. 400 S. Suite 203 Salt Lake City, Ut 84111
At proposed prod. zone
32-14S-20E 1879' FNL 2053 FWL

10. Field and Pool, or Wildcat
UNDESIGNATED Flatrock
11. Sec., T., R., M., or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*
82 miles ^{South} from Vernal, Utah

12. County or Parrish 13. State
Sec. 32-14S-20E Uintah, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1980'
16. No. of acres in lease 640
17. No. of acres assigned to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 2640'
19. Proposed depth 4500'
20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
7513 G.R.
22. Approx. date work will start*
April 30, 1984

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"	40.00	300'	Circle to Surface
7 7/8"	5 1/2"	15.50	4500'	400 Sx.

Blowout Prevention Program.
10", 3000 psi hydraulic blowout preventor, tested daily and on trips.

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.

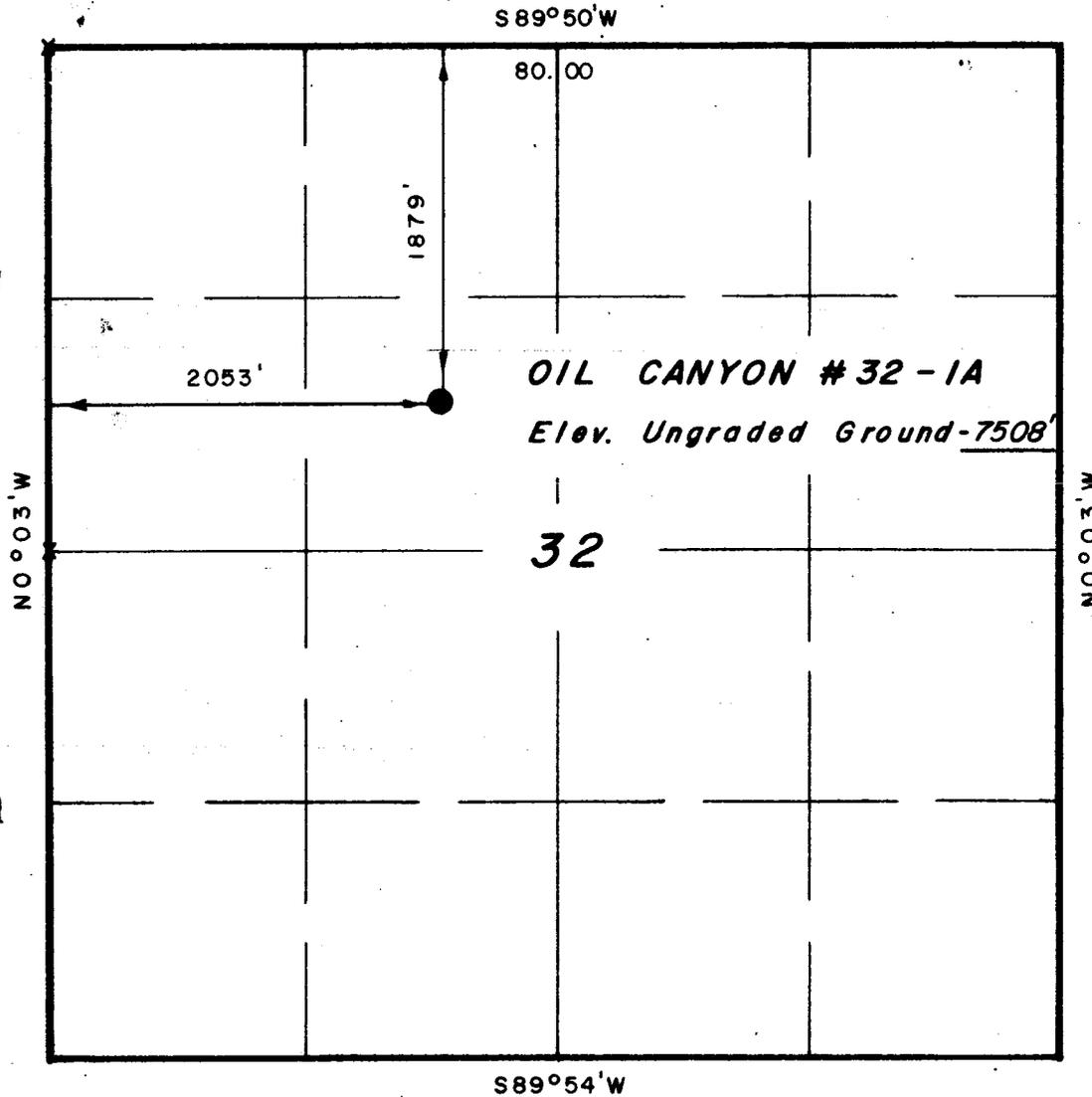
24.
Signed: [Signature] Title: Exploration Manager Date: Nov. 22, 1983
(This space for Federal or State office use)

Permit No. Approval Date
Approved by Title Date
Conditions of approval, if any:

T 14 S, R 20 E, S.L.B. & M.

PROJECT
DEL-RIO DRILLING PROGRAMS INC.

Well location, OIL CANYON #32-1A,
located as shown in the SE 1/4 NW 1/4
Section 32, T14S, R 20 E, S.L.B. & M. Uintah
County, Utah.



CERTIFICATE

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.

Sue Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

X = Section Corners Located

SCALE	1" = 1000'	DATE	7/19/82
PARTY	D.A. R.S. S.B.	REFERENCES	GLO Plat
WEATHER	Warm	FILE	DEL-RIO DRILLING

DEL-RIO RESOURCES, INC.

OIL CANYON 32-1A

SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 32, T14S-R20E, SLM

1879 FNL + 2053 FWL

DRILLING PLAN

1. The geologic name of the surface formation is the Tertiary Green River Formation.

2. Estimated tops of important geologic markers are as follows:

Wasatch Formation:	2475
Lower Wasatch:	3410
Flagstaff:	4405
Mesaverde: ✓	4497
Proposed T.D.:	4500

3. Oil or gas may be encountered in the Wasatch and Mesaverde Formations. No other formations are expected to produce water, oil, gas or other minerals in measurable quantities.

<u>Size of Hole</u>	<u>Size of Casing & Wt./ft.</u>	<u>Setting Depth</u>	<u>Quantity of Cement</u>
12 $\frac{1}{4}$ "	8 5/8" , 40.0#, new	300'	Circ to surface
7 7/8"	5 $\frac{1}{2}$ " , 15.50#, new	4500'	360

5. Operator's minimum specifications for pressure control equipment is a 10", 3000 psi hydraulic blowout preventor. Blowout preventor will be tested daily. Refer to Diagram "C".

6. Fresh water base drilling mud will be used for the entire drilling operations, utilizing a dispersed mud system to a total depth. Mud wieght will be controlled by controlling drilling solids. Barite will be used for weighting material in the event that abnormal pressures are encountered. Total system volume will be 350 barrels, not including potential reserve pit volume.

7. Auxiliary equipment is as follows:

- (1) Kelly Cocks
- (2) Bit Floats
- (3) A full opening-quick colse drill pipe valve is to be located on the derrick floor at all times.

Drilling Plan, Cont.
Del-Rio Resources, Inc.
SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 32-T14S-20E, SLM
Uintah County, Utah

Page two

8. Commercial shows of oil and gas will be tested. We are anticipating drill stem tests in the Wasatch and Mesaverde Formations. No coring is anticipated.

The logging program is as follows:

- (1) Mud logging unit: from 300' to T.D.
 - (2) Dual Induction Laterlog-T.D. to base of surface casing.
 - (3) BHC-Gamma Ray Sonic w/Caliper, Integrated T.D. to base of surface casing.
 - (4) Formation Density/Compensated Neutron: Zones of interest.
9. No abnormal pressures or temperatures are anticipated. No potential hazards such as hydrogen sulfide are expected, based upon well experience in area.
10. The anticipated starting date: April 30, 1984.


Kent A. Swanson
Exploration Manager
Del-Rio Resources, Inc.

Salt Lake City, Utah

DEL-RIO DRILLING PROGRAMS, INCORPORATED

13 Point Surface Use Plan

for

Well Location

Oil Canyon #32-1A

Located In

Section 32, T14S, R20E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DEL-RIO DRILLING PROGRAMS, INCORPORATED, well location site Oil Canyon #32-1A. located in the SE 1/4 NW 1/4 Section 32, T14S, R20E, S.L.B.& M., Uintah County, Utah:

Proceed West from Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this Highway and Utah State Highway 209; proceed Southerly on this Highway + 7.5 miles to the junction of this highway and Utah State Highway 88; proceed Southerly on this highway + 10.0 miles to Ouray, Utah; proceed South out of Ouray, Utah on the Seep Ridge Road + 8.0 miles to the point where the Willow Creek Road exits to the South; proceed Southerly on the Willow Creek road + 22.4 miles to the point of where an improved dirt road exits to the Southwest; proceed Southwesterly on this road + 19.2 miles to the point where the planned access road (to be disussed in Item #2) leaves the existing road and proceeds in a Westerly direction to the proposed location site.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads to the Seep Ridge Road at which point the roads are dirt and constructed of native materials acquired during construction. These materials range from a sandy-clay material to a sandstone and shale material with some gravel.

There will be no construction on the above described roads. These roads will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase, of this well at such time that production is established.

The highways mentioned above are under Utah State jurisdiction and are maintained by State Road Crews. All of the other roads described above are Uintah County roads and are maintained by their crews. Some of the areas of road furthest South receive a minimum of maintenance from County crews and may require some minor maintenance by Del-Rio Drilling or their sub-contractors. This maintenance will consist of some minor grader work to smooth road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed road leaves the existing road described in Item #1 in the SE 1/4 NW 1/4 Section 32, T14S, R20E, S.L.B.& M. and proceeds in a Northwesterly direction approximately 300' + to the proposed location site.

This road runs relatively flat. The grade of this road will not exceed a 8% grade. The vegetation along this road consists of sparce amounts of sagebrush and grasses with large amounts of bare earth devoid of vegetation.

The proposed road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to the area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this road.

There will be no turnouts required along this access road.

The road will be centerline flagged prior to the commencement of construction.

There are no fences encountered along this access road. There will be no gates or cattleguards required.

All lands involved on this action are under Ute Tribal jurisdiction.

3. EXISTING WELLS

There are no known producing wells, abandoned wells, water wells, disposal wells, drilling wells, shut in wells, injection, monitoring or observation wells, for other resources within a one mile radius of this location site.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

There is a DEL-RIO DRILLING PROGRAMS, INCORPORATED producing well location approximately 6400' Northwest of the proposed location site. This location has existing production facilities consisting of two storage tanks and oil gathering lines from the well to the storage tanks. See Topographic Map "B" for location of this well and facilities.

At the present time there are no gas gathering lines, injection or disposal lines within a one mile radius of this location site belonging to DEL-RIO DRILLING PROGRAMS, INCORPORATED.

In the event that production of oil from this well is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Item #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

Water to be used for the drilling of this well will be hauled by truck from Towave Reservoir located in Section 25, T14S, R19E, S.L.B. & M. Water will be hauled over the existing roads and the proposed access road.

In the event this is not a suitable source an alternate source will be decided upon and all concerned agencies will be notified.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site shall be borrow material accumulated during construction. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

All surface disturbance area is on Ute Tribal lands.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements of Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest sanitary landfill.

As mentioned in Item #7, the reserve pits will be completely fenced with wire and overhead flagging installed if there is oil in the pits, and then allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed the location site will be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Item #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A")

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the South to the Green River to the North and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerate, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only two in the area having a year round flow being Willow Creek to the East and Hill Creek to the West, of which the numerous washes, draws and non-perennial streams are tributaries.

All drainages in the immediate areas are non-perennial streams, flowing to the Southwest and are tributaries to Hill Creek.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during the early spring run-off and during extremely heavy rain storms of relatively long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

The soils of this semi-arid area are of the Green River Formation from the Eocene Epoch (Tertiary Period) and the visible geologic structures of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerate and shale).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, cedar and juniper trees, areas of sagebrush, rabbitbrush, some grasses and cacti, and large areas of bare soils devoid of any growth. In the areas in the vicinity of perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses, and cacti can be found.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to this area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area - (See Topographic Map "B").

Oil Canyon #32-1A is located in the Northeast side of a large mesa known as Flat Rock Mesa. This mesa extends in a Northwest-Southeast direction and the sides are relatively steep.

The majority of the drainages in the area around this location are non-perennial in nature and run in a Northerly direction into Hill Creek.

The geologic structure of the area immediately surrounding the location site is of the Green River Formation and consists of light brownish-gray sandy clay with some sandstone outcrops.

The terrain in the vicinity of the location site slopes from the Southwest through the location site to the Northeast at approximately a 2.4% grade.

The vegetation in the immediate area surrounding the location site is predominately sagebrush and grasses.

All lands disturbed by this location site and road are under Ute Tribe jurisdiction.

There are no occupied dwellings or other facilities of this nature in the general area.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Larry Caldwell
448 East 4th South, Suite 203
Salt Lake City, UT 84111

1-801-355-8028

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by DEL-RIO DRILLING PROGRAMS, INCORPORATED and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

✓

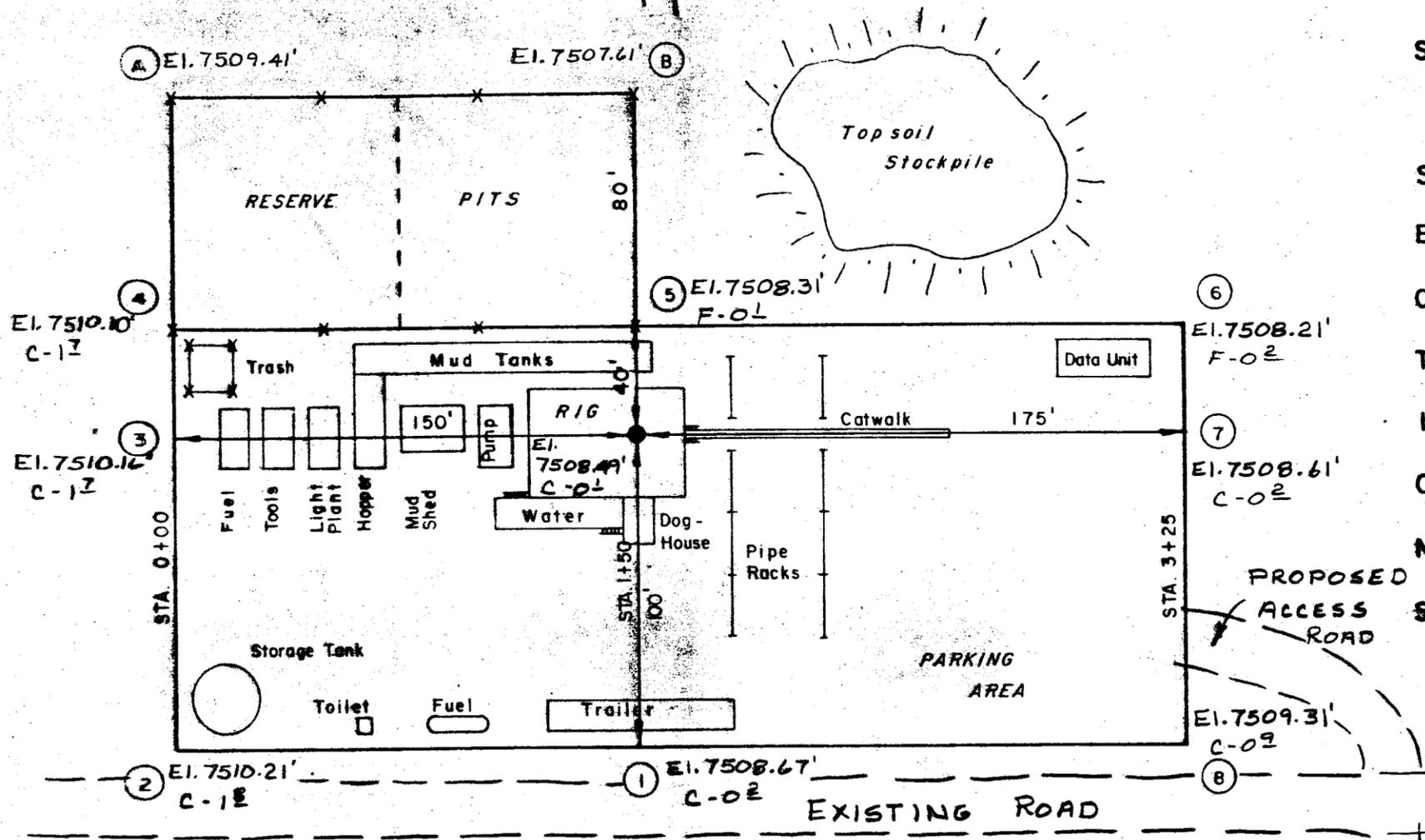
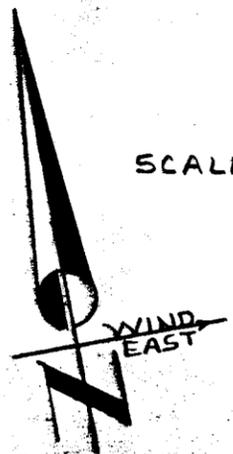
Date

✓

Larry Caldwell

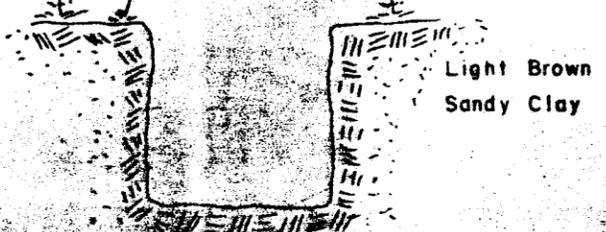
DEL-RIO DRILLING PROGRAMS INC.
OIL CANYON # 32-1A

SCALE 1" = 50'

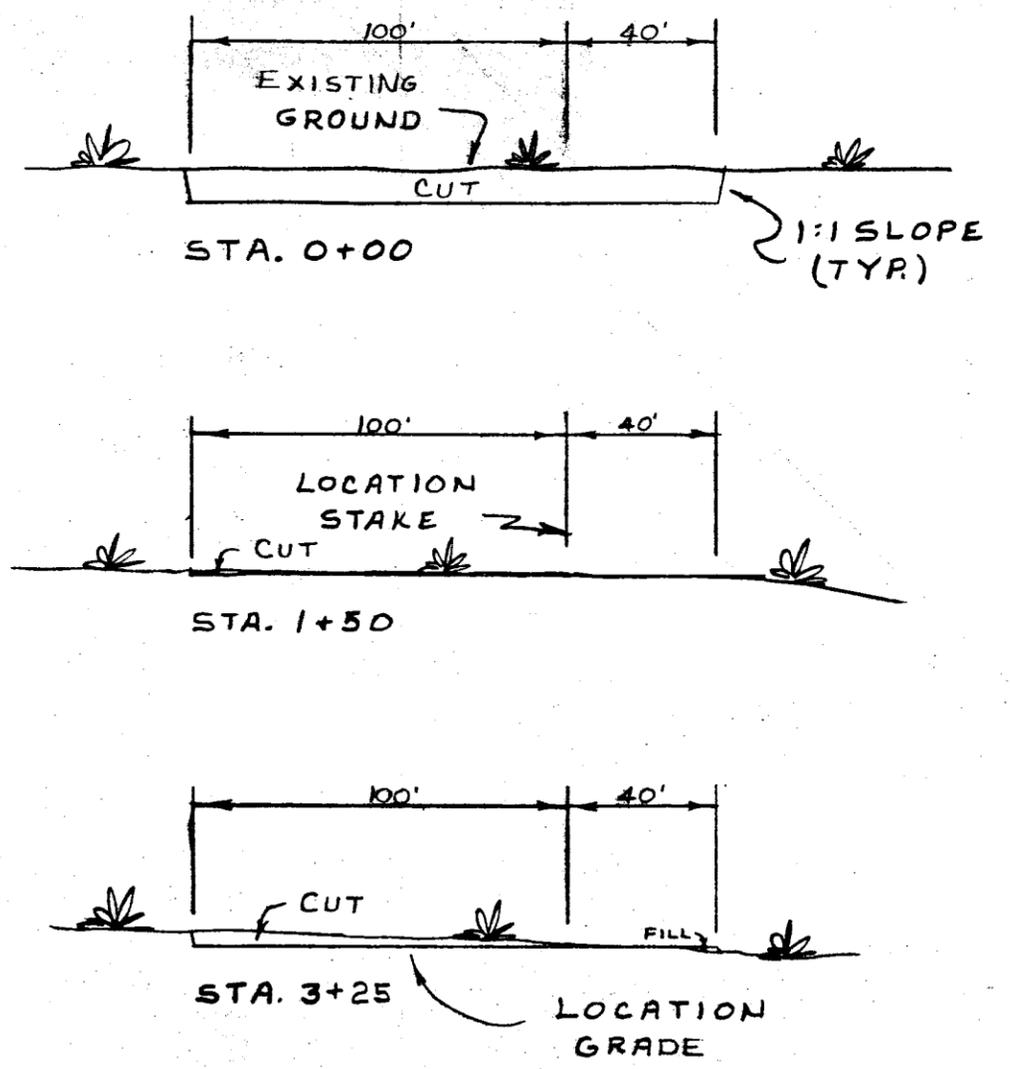


SOILS LITHOLOGY

No Scale



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Scales

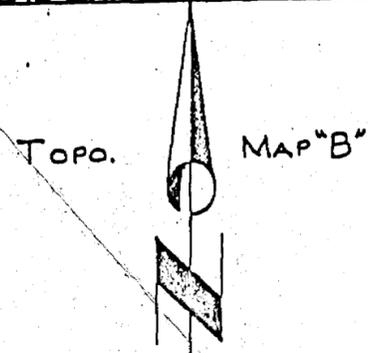
1" = 50'

APPROXIMATE YARDAGES

Cu. Yds. Cut = 956

Cu. Yds. Fill = 18

PROPOSED LOCATION
OIL CANYON #32-1A

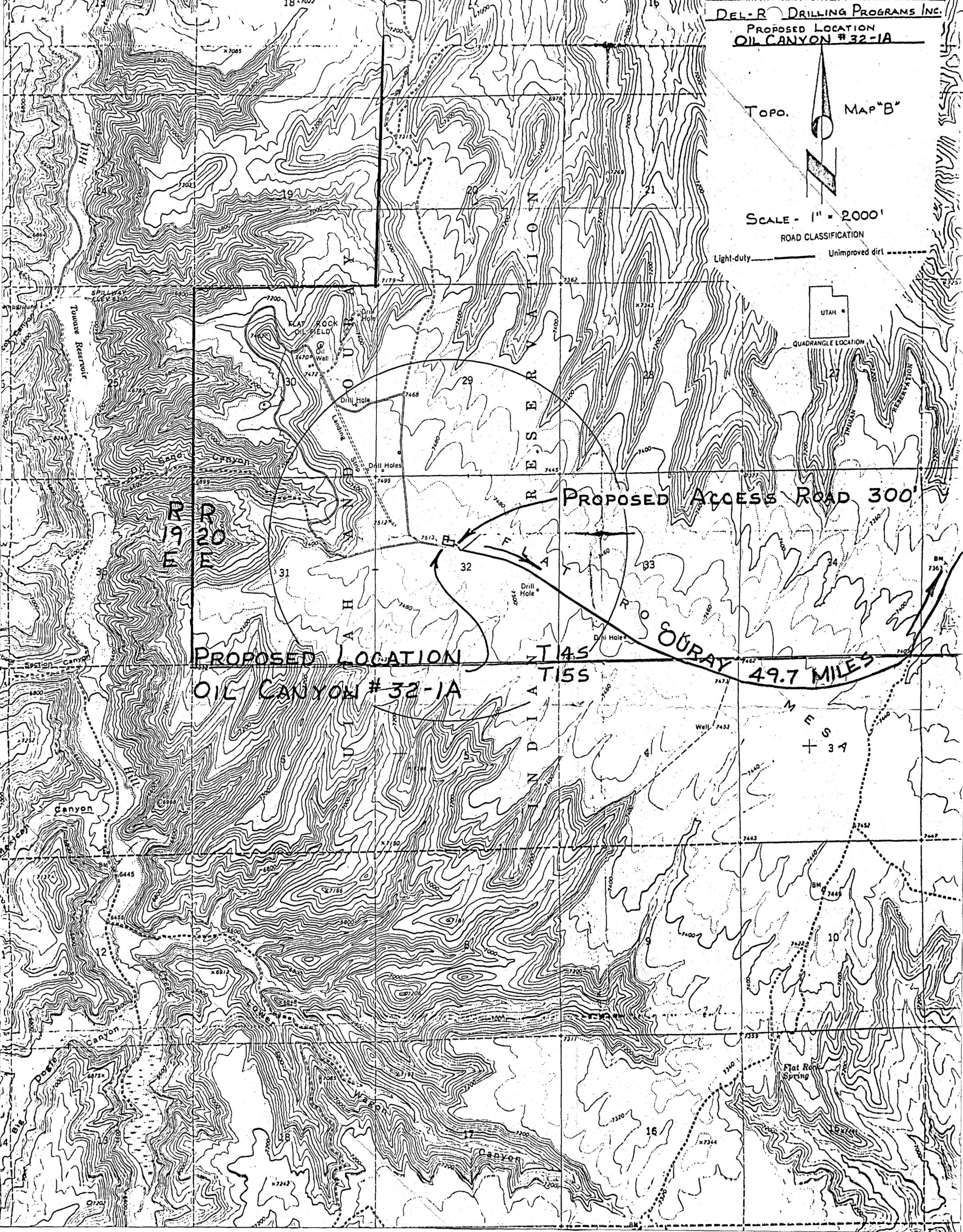


SCALE - 1" = 2000'

ROAD CLASSIFICATION
Light-duty ——— Unimproved dirt - - - - -



QUADRANGLE LOCATION



PROPOSED LOCATION
OIL CANYON #32-1A

PROPOSED ACCESS ROAD 300'

49.7 MILES

MS
+ 34

OPERATOR

Oil Res Resources

DATE

11-28-83

WELL NAME

32-1A Oil Canyon

SEC

SE NW 32

T

145

R

20E

COUNTY

Uintah

43-047-31419

API NUMBER

State

TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

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

DATE:

11-30-83

BY:

[Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

✓ 12/1/83 oil well.

APPROVAL LETTER:

SPACING:

A-3

OIL CANYON #
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

WATER

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT OIL CANYON

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

November 30, 1983

Del-Rio Resources, Inc.
448 East 400 South, Suite 203
Salt Lake City, Utah 84111

RE: WellNo. Oil Canyon 32-1A
SENW Sec. 32, T. 14S, R. 20E
1879' FNL, 2053' FWL
Uintah County, Utah

Gentleman:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6771) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

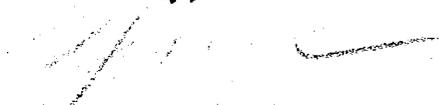
RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31419.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: State Lands
Encl.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 8, 1985

Del Rio Resources, Incorporated
448 East 400 South, Suite 203
Salt Lake City, Utah 84111

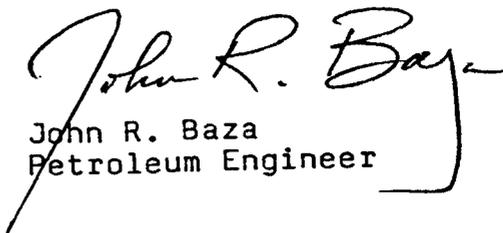
Gentlemen:

Re: Well No. Oil Canyon 32-1A - Sec. 32, T. 14S., R. 20E
Uintah County, Utah - API #43-047-31419

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,


John R. Baza
Petroleum Engineer

cc: Dianne R. Nielson
Ronald J. Firth
File

0087S/31