

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
 W.C. Investments, LTD

3. ADDRESS OF OPERATOR  
 4901 West 2100 South, Salt Lake City, Utah 84120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1970' FWL 1980' FSL Sec. 9, T9S, R20E, S.L.B. & M

At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 21 Miles Southeast Ft. Duchesne, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
 (Also to nearest drlg. unit line, if any) 1980'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4734' Natural GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5# K55	200' ✓	200 Sacks
8 1/2"	4 1/2"	11.6# K55	7200'	Circulate to Surface

See Attachments for:

- 10 Point Program
- 13 Point Surface Use Plan w/additional provisions for the BIA.
- Location Plat
- Location Layout
- Topo Maps "A" & "B"
- B.O.P. Design
- Production Diagram

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

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 Cary W. Basley TITLE Manager DATE 3/13/84

(This space for Federal or State office use)

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

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

\*See Instructions On Reverse Side

### 10 POINT PROGRAM

1. The geological name for the surface formation is the Uintah Formation of the Upper Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated Graded Ground elevation are as follows:

Green River	1879'
J Zone	4100' (Approx.)
Wasatch	5500'
Total Depth	7200'

3. It is anticipated that the Wasatch Formation may contain Gas.
4. The proposed casing program for completion of this well will consist of 4½" 11.6# K55 200' of 13 3/8" 54.3# K55. Surface casing will be run.
5. The operators minimum specifications for pressure control equipment are as follows:

13 5/8", 3000 PSI hydraulic doublegate BOP. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.
6. It is proposed that the hole will be drilled to the top of the J zone of the Green River formation with 3% KCL water as necessary in order to clean the hole. From the top of the J zone to Total Depth it is planned to drill the well with mud. The mud system will be a water based, gel-chemical weighted to 10.5 ppg, or as necessary for gas control.
7. Auxiliary equipment to be used will be a 2", 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of Dual Lateral Log, CDL, CNL and Gamma Ray with caliper.
9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately June 1, 1984 and that the operations will last two weeks.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL  
WITHIN THE UINTAH OURAY RESERVATION

Company Belco Development Corporation Well No. 67-9  
Location Sec. 9 T 9S R 20E Lease No. U-13633  
Onsite Inspection Date 06-06-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his-subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

In accordance with API RP-53, 3,000 psi BOP stacks shall include an annular-type preventer. Prior to drilling out the surface casing, the ram-type preventers shall be tested to 1,900 psi and the annular-type preventer shall be tested to 1,500 psi. Operational checks will be made daily.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The cementing program for the production string shall adequately protect the oil shale in the Mahogany zone which occurs at approximately 2,600 feet below ground level.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

7. Planned Access Roads

About 200 feet of new access road will be built as indicated in the APD.

All travel will be confined to existing access road rights-of-way.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved rights-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

8. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain  $1\frac{1}{2}$  times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely downstream of the meter. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports

will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

9. If fill materials are needed to construct roads and well sites, proper permits will be obtained. A copy of the permit needed to obtain water will be attached to the application if water is to be used for the drilling. Information for permits will include: (a) the approximate amount of water or materials needed, (b) location and ownership of the water rights or materials to be used, and (c) the approximate amount of time the water or materials will be required.

10. Methods of Handling Waste Disposal

All reserve pits will be lined.

Burning will not be allowed. All trash must be contained and disposed of by use of a wire mesh cage and then hauled to an approved waste disposal facility.

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

11. Well Site Layout

The reserve pit will be located as indicated in the layout diagram.

The stockpiled topsoil will be stored near stake No. 3, and 3-4" of topsoil will be stockpiled there.

Access to the well pad will be as indicated in the layout diagram.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way Authorization". All operators, subcontractors, vendors and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

12. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops, and (c) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

13. Surface and Mineral Ownership

Federal minerals and Indian surface ownership are involved.

14. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified (both the Ute Tribe and the Vernal BLM Office should be notified).

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future drilling operations.

15. Lessee's or Operators Representative and Certification

Operator employees, including subcontractors, will not carry firearms or other weapons that may be used to kill game animals.

Operator employees, including subcontractors, will be confined to established roads and well sites. The purpose of this is to prevent soil erosion, and to prevent harassment of game animals or livestock with off-road vehicles such as snowmobiles, motorcycles, or 4-wheel drives.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the B.I.A. before cutting firewood or other timber products and (e) only authorized personnel permitted.

A bench mark will be established near each well site at a location where it will not be destroyed. The bench mark will be a brass cap set in concrete. The brass cap will show the well number and elevation to the nearest one-tenth of a foot. The cuts and fills diagram for the well site will show elevations in relation to the bench mark.

JUN 27 1984

MEMORANDUM

TO: District Manager, Bureau of Land Management

FROM: Superintendent, Uintah and Ouray Agency

SUBJECT: Belco Development Corporation, Well #67-9  
in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 9, T. 9 S., R. 20 E., Salt Lake meridian,  
Utah.

We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information on June 27, 1984, we have cleared the proposed location in the following areas of environmental impact:

YES  NO  Listed threatened or endangered species

YES  NO  Critical wildlife habitat

YES  NO  Archaeological or cultural resources

YES  NO  Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)

YES  NO  Other (if necessary)

REMARKS: Top soil moved to east side of location. Mesh wire sheep fence around pit. Reserve pits to the south of location. Site moved 10 feet to the west to be 660' away from the lease line (section line). (at time of staking prior to filing APD)

The necessary surface protection and rehabilitation requirements are enclosed.

M. Allen Coe  
Superintendent

1. EXISTING ROADS

- A. For the location of the proposed well and the existing roads, see attached Topographic Maps "A" and "B". The proposed well is located approximately 3 miles South of Ouray, Utah.
- B. The proposed location is approximately 3 miles South of Ouray, Utah. To reach the location, take the county road approximately 3 miles South of Ouray. The well location and proposed access route are located in Section 9, Township 9 South, and Range 20 East, Uintah County, Utah.
- C. The proposed route is outlined on Topographic Map "B".
- D. See Topographic Map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county roads. The proposed access road will be crowned and ditched so as to accommodate rig traffic. See Topo Map "B" for details of the access road.

2. PLANNED ACCESS ROADS

See attached Topographic Map "B".

The planned access road (total length) will be approximately 200' feet in length and will comply with the general specifications as outlined.

- (1) The proposed access road will be a 32 foot crown road usable 16 feet on 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 any normal weather conditions that are prevalent to this area.
- (2) The maximum grade of the proposed access road will be 4%, but will not exceed this amount.
- (3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum. Line of sight vision is such that turnouts are not necessary.
- (4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns. Drainage will be implemented so as not to cause siltation or accumulation of debris.
- (5) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- (6) No fences will be crossed in order to access the proposed location; no cattle guard will be needed.

7. The road has been center-line flagged for the full distance of the proposed route.

3. LOCATION OF EXISTING WELLS - Within a one mile radius

- (1) Water Wells - None
- (2) Abandoned Wells - None
- (3) Temporarily abandoned Wells - None
- (4) Disposal Wells - None
- (5) Drilling Wells - None
- (6) Producing Wells 4, DC 7-16, DC 6-16, DC 16-16, ND 8-15, ND 9-15 GR
- (7) Shut in Wells - 1, DC 2-10
- (8) Injection Wells - None
- (9) Monitoring Wells - None

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. Existing production facilities located within one mile of the proposed well are:

- (1) Tank batteries - None
- (2) Production facilities - DC 7-16, DC 6-16, DC 16-16, ND 8-15 (All facilities located on pad)
- (3) Oil gathering lines - None
- (4) Gas gathering lines - None
- (5) There are no injection lines in the area.
- (6) There are no disposal lines in the area.

There are no known gas lines in the immediate area at this time.

B. The attached diagram "A" shows the proposed production facilities that will be utilized in the event this well produces gas. All production facilities will be kept on the pad.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed or within 90 days, they will be covered over with native borrow material and rehabilitated to conform with

Guard rails will be constructed around the well head to prevent access to livestock or wildlife.

Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil saved on the site. This area will be reseeded as per BIA specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Water to be used to drill this well will be hauled by truck from the White River. Access point for the water will be near the White River bridge in Section 4, T9S, R20E, Uintah County, Utah. Permit for this water will be purchased from the Bureau of Indian Affairs, prior to the drilling operations.

B. Water will be hauled by truck (Liquid Transport of Duchesne, PSC #1969) on the above described access route. See access route on Topo Map "B". No new roads or pipelines will be needed for this purpose.

C. No water well will be drilled.

6. SOURCE OF CONSTRUCTION MATERIALS

A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time, but if they are required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.

B. Items described in part "A" are from BIA regulated lands.

C. See part "A".

D. No other access roads are required other than described in Item 2.

7. METHODS OF HANDLING WASTE DISPOSAL

A. Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad.

B. See "A" above for disposal of drilling fluids.

C. See "A" above for disposal of produced water.

D. A portable chemical toilet will be provided for human waste during the drilling phase.

E. Garbage and other waste materials will be contained in a wire mesh cage and then disposed of in an approved waste disposal facility.

Duck Creek #67-9  
Section 9, T9S, R20E, S.L.M.

F. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected, and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids.

#### 8. ANCILLARY FACILITIES

No airstrips or camps are planned for this well.

#### 9. WELL SITE LAYOUT

See attached Location Layout sheet which shows the following items:

- A. Cross section of the pad showing details of the cuts and fills.
- B. Location of the reserve pits, pipe racks, living facilities and topsoil stockpile and excess "cut" stockpile.
- C. Rig orientation, parking areas and access road.
- D. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of operations. Proper NTL-2B notices will be filed if well produces water.

#### 10. PLANS FOR RESOTRATION OF SURFACE

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be backfilled. The location will be restored to as near the original contour as feasible and then reseeded.

(1) Upon completion of the testing phase of the well, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography and the stockpiled soil redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.

(2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BIA. It will be performed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned items 7 and 10 (1).

(3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from location. The fences will be maintained in good condition until Item (1) is started.

(4) Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any

pit used to handle well fluids during the producing life of the well.

(5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment, according to BIA specifications.

11. OTHER INFORMATION

Topography of the general area is relatively flat rolling terrain consisting of clay and stabilized sand dunes.

Vegetation in the area consists of four-wing saltbrush, tumbleweed, cotton horn horsebrush, spiny hop sage, curly grass, matchweed, greasewood, and a sparse population of Indain ricegrass.

Wildlife consists of reptiles, small rodents and birds.

Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are controlled by the BIA.

There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.

12. Belco Development Corporation's representative for this operation will be Mr. J. C. Ball, District Engineer, P.O. Box X, Vernal, Utah, 84078. The telephone contact number is 801-789-0790.

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 operations proposed herein will be performed by Belco Petroleum Corporation, it's contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

DATE

5/22/84

J. C. Ball

BUREAU OF INDIAN AFFAIRS  
SURFACE USE PROVISIONS

WELL NAME: Duck Creek 67-9

LOCATION: 1970' FWL & 1980' FSL  
Section 9, T9S, R20E  
Uintah County, Utah

1. FIREARMS

Employees of BelNorth Petroleum, it's contractors and subcontractors will be instructed not to carry firearms on the Uintah and Ouray Indian Reservation.

2. OFFROAD TRAFFIC

All employees of BelNorth, it's contractors and subcontractors will be instructed to remain only on established road and well sites.

3. FIREWOOD

Employees of BelNorth, it's contractors and subcontractors have been notified of the requirements of the BIA to obtain a wood permit from the Forestry Section prior to gathering any wood on the Uintah and Ouray Indian Reservation.

4. RESTORATION

All topsoil will be stripped and stockpiled. When drilling and production activities end, or if the well is abandoned, the location site and access road will be reshaped to the original contour and the stockpiled soil will be spread over the entire disturbed area. Any drainages that were rerouted during the construction activities will be restored to as near as possible to their original line of flow. The pit will be allowed to completely dry prior to beginning restoration activities. Once activities have been completed, the location site and access road will be reseeded with a seed mixture recommended by the BIA at a time of year when the moisture content of the soil is adequate for seed germination. All production equipment and facilities will be painted to blend with the environment as per BIA specifications.

5. DISPOSAL OF PRODUCED WATER

No produced water is anticipated, however, if produced, we will comply with all requirements of NTL-2B.

6. SIGNS

A sign will be placed on the access road to the location site identifying the well by name and number, the operators name and that the well is on the Uintah and Ouray Indian Reservation.

7. RIGHT OF WAYS

Right of Way and damages will be paid as per the survey by Uintah Engineering prior to beginning any surface work.

8. PERMITS FOR WATER

Water for the drilling and completion of this well will be obtained from the White River at a point near the Mountain Fuel Bridge in Section 17, T9S, R22E. Permit for this water will be obtained from the BIA prior to beginning any work. A copy of this permit will be given the the water hauler and will be carried with him at all times.

9. WEED CONTROL

BelNorth Petroleum will initiate a plan for controlling noxious weeds alongside the location pad and access road in accordance with BIA specifications.

10. LITTER

All litter will be contained in trash cages and be removed from the location at the end of drilling and completion activities. The area will be groomed and cleaned before removal of the cage.

11. BENCH MARKS

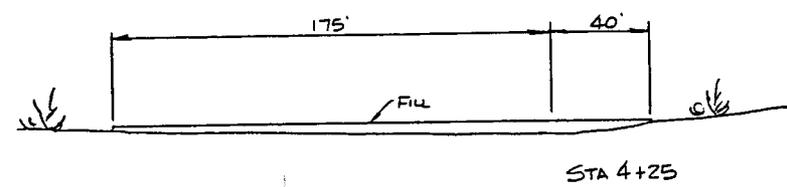
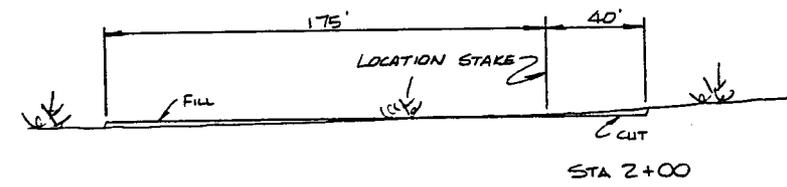
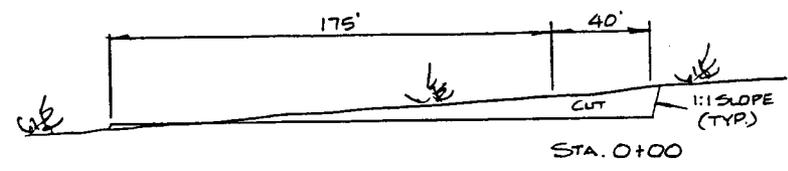
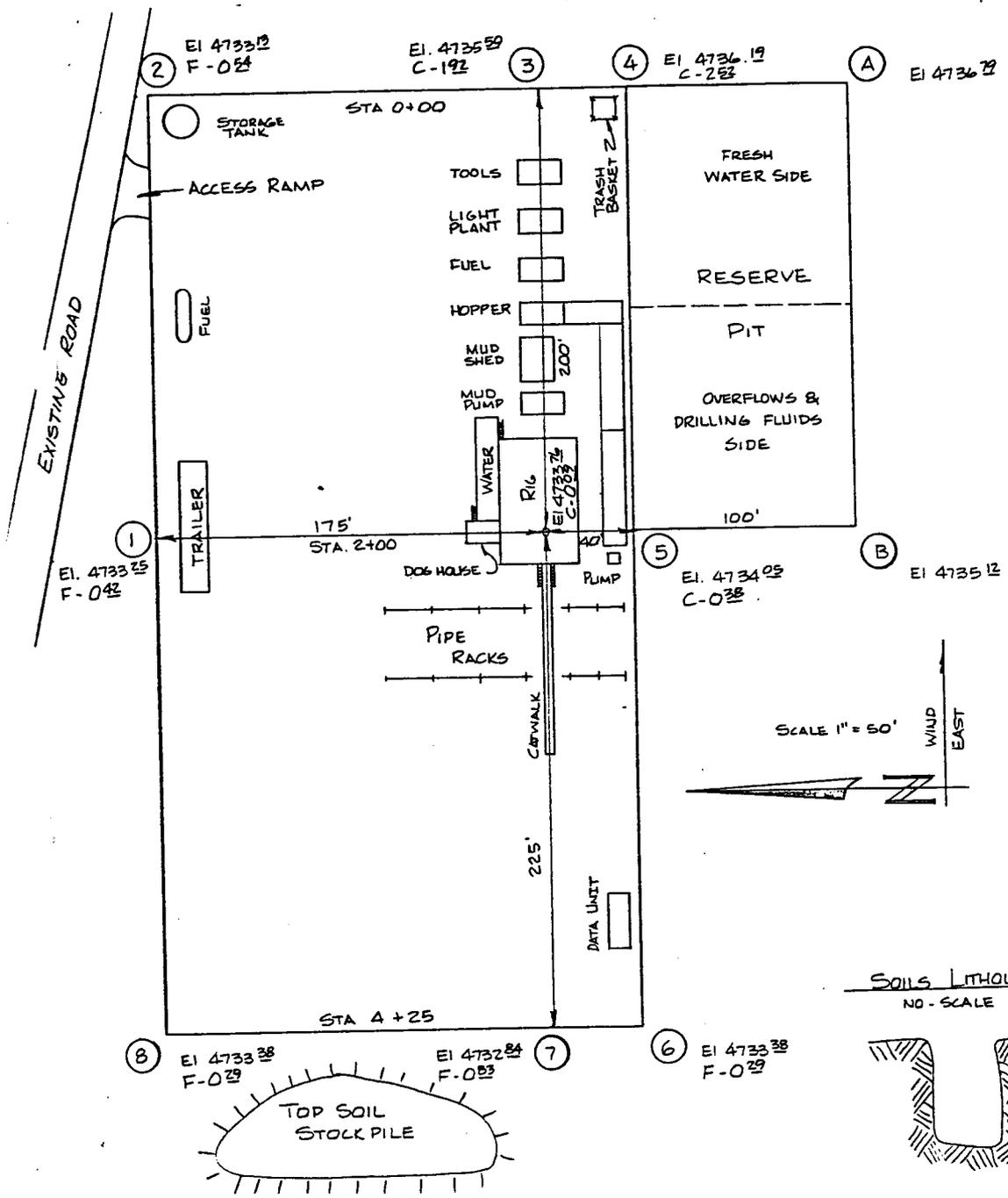
A bench mark will be established near the well site. It will be set in cement with a brass cap showing the well number and the elevation of the site.

DATE

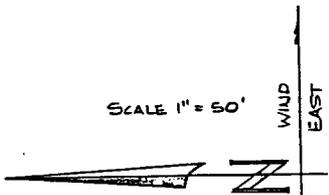
5/22/84

BY

J. Ball



SCALE 1" = 50'



SOILS LITHOLOGY  
NO - SCALE

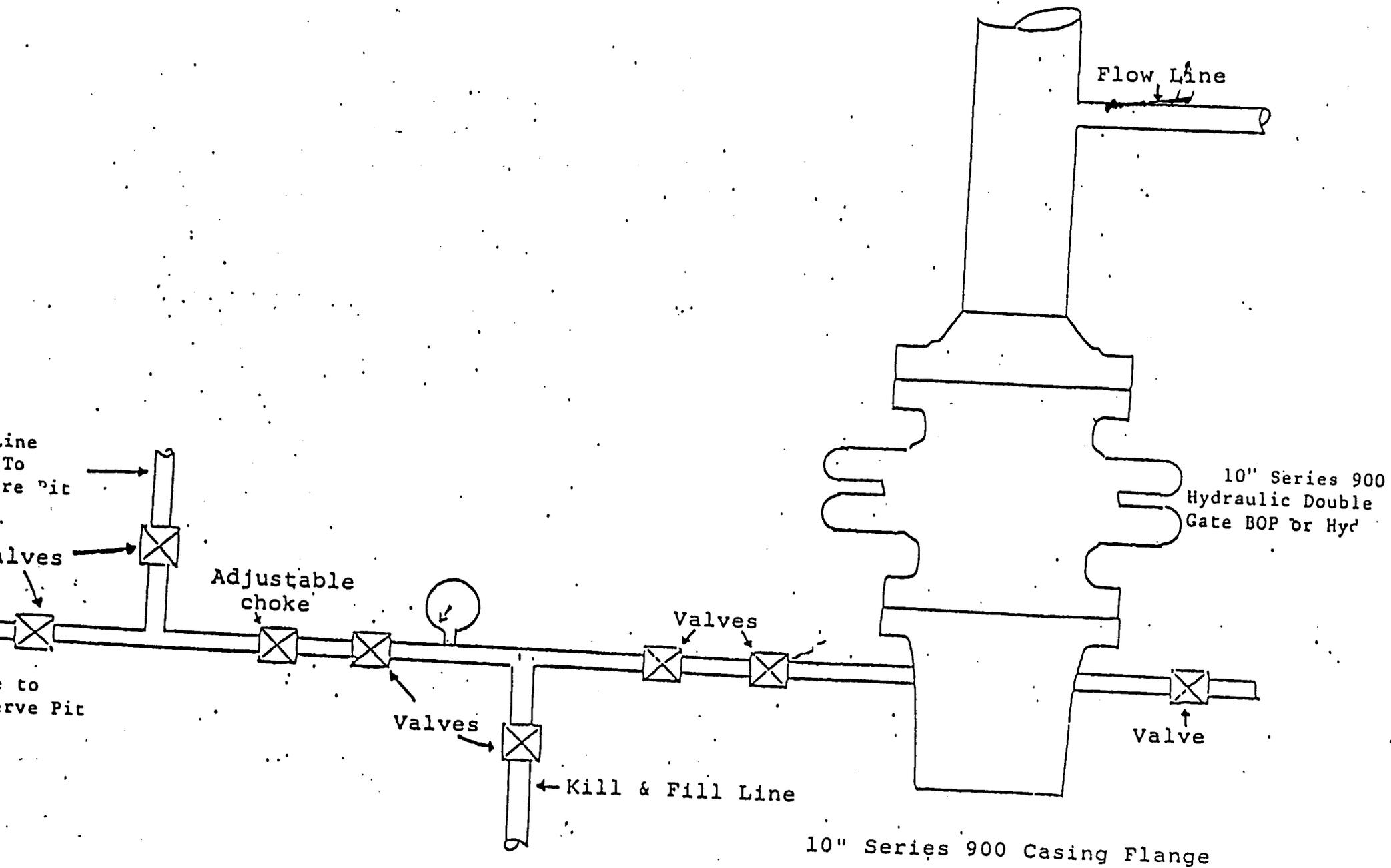


APPROX. YARDAGES

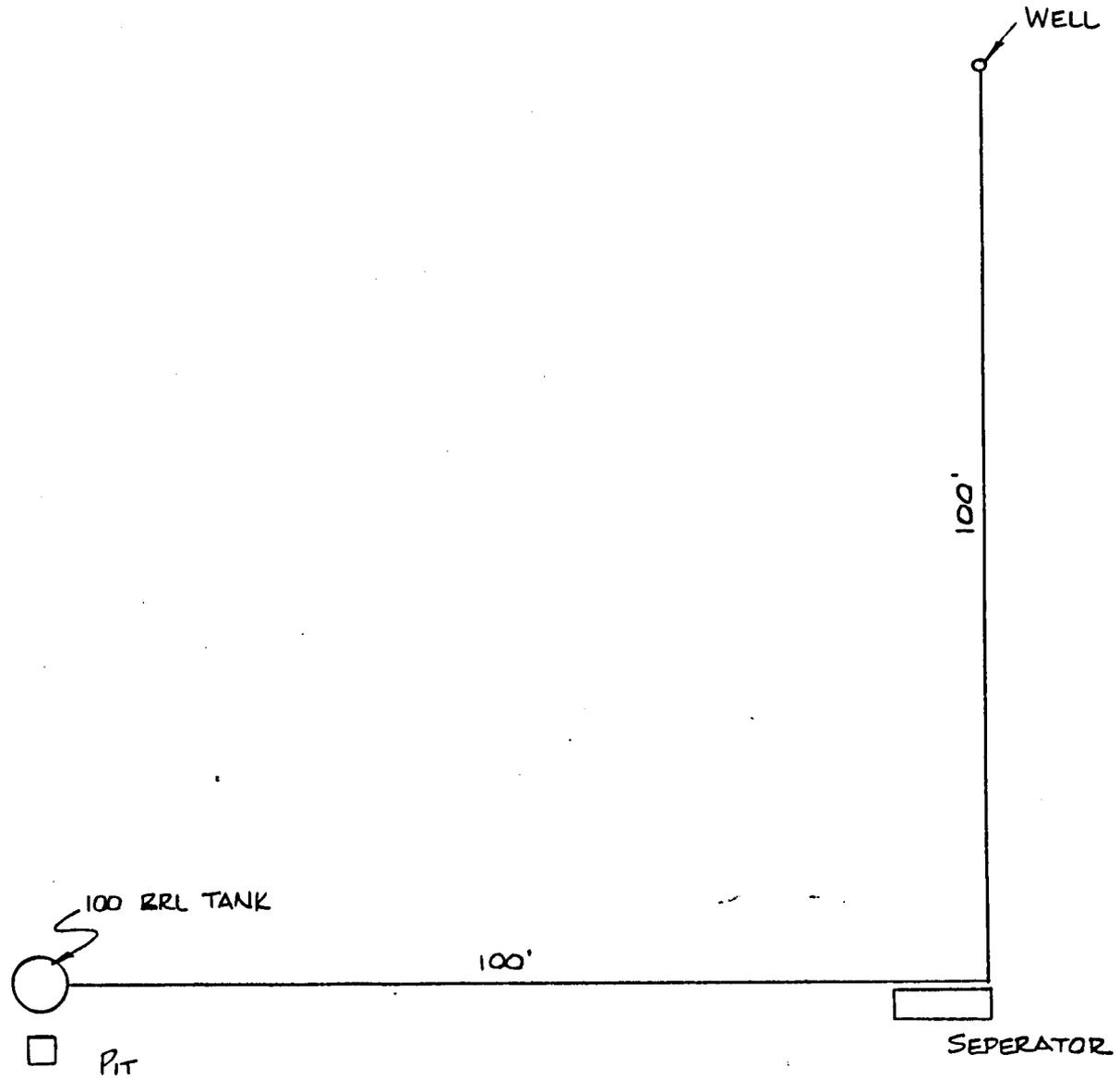
CUT 1,015 CU. YDS.  
FILL 842 CU. YDS.

W.C. INVESTMENTS

DUCK CREEK # 67-9  
SECTION 9, T9S. R 20E, S.L.B. & M.  
UINTAH COUNTY, UTAH



PRODUCTION FACILITIES

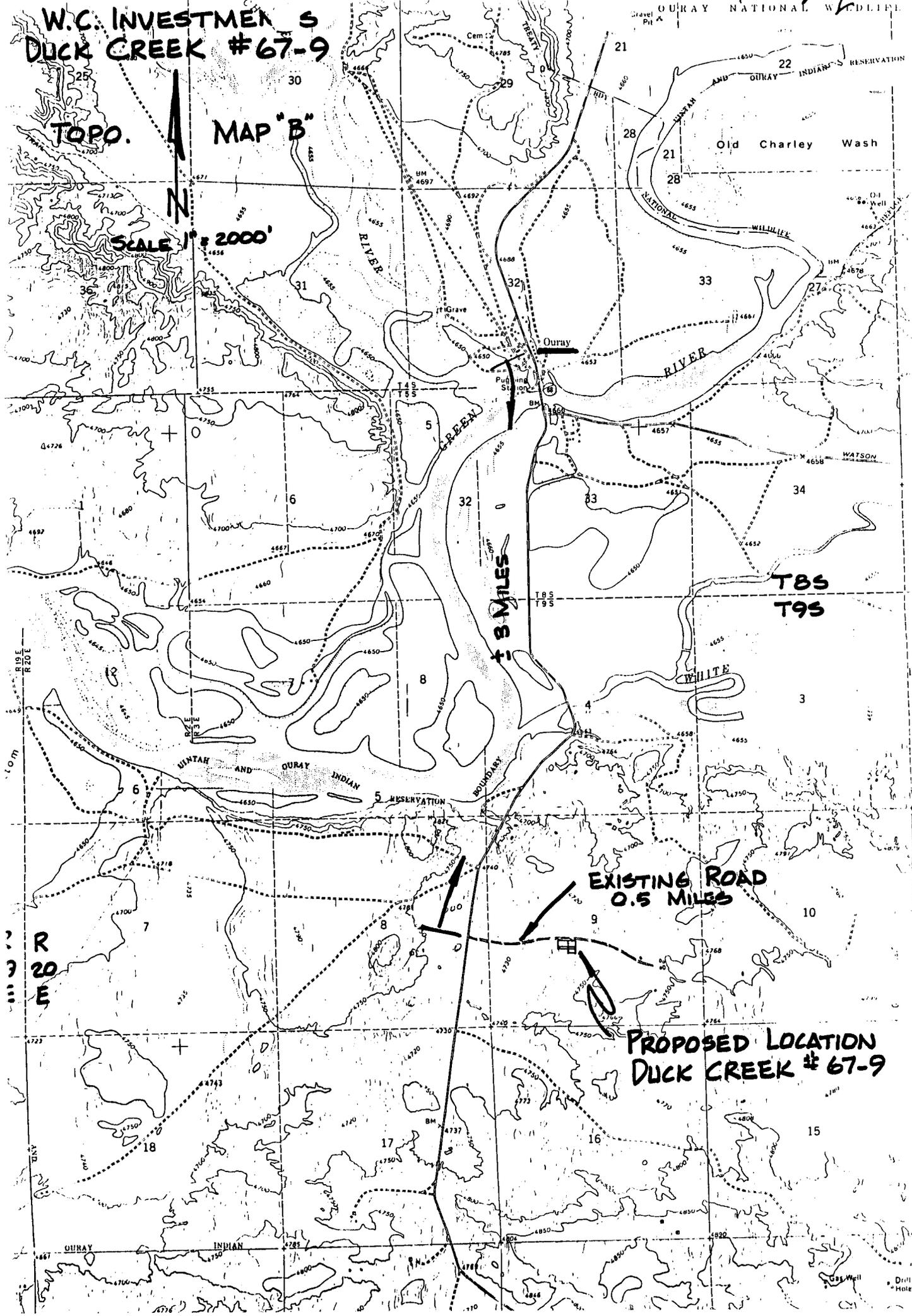


# W.C. INVESTMENTS DUCK CREEK #67-9

TOPO.

MAP "B"

SCALE 1" = 2000'



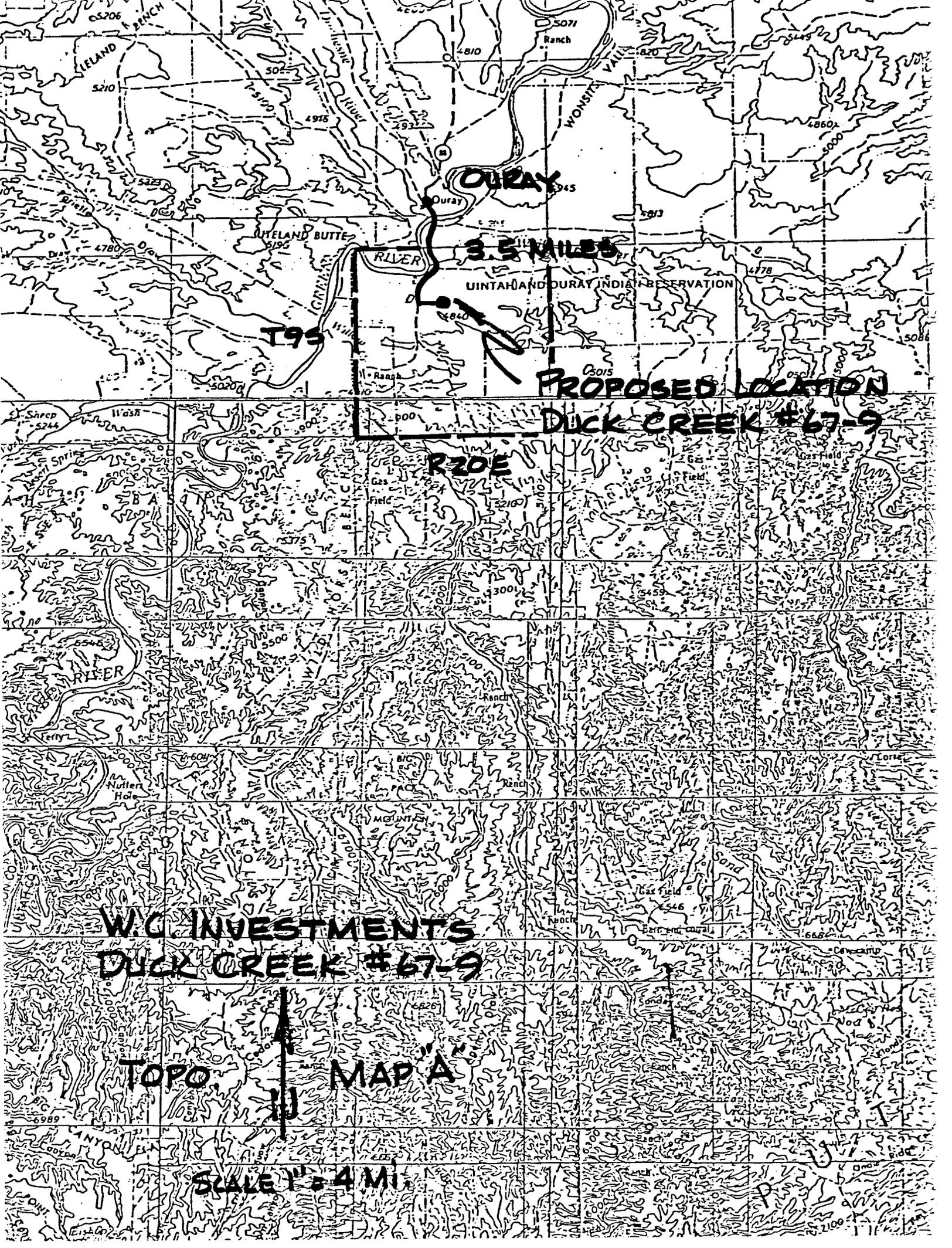
3 MILES

T8S  
T9S

EXISTING ROAD  
0.5 MILES

PROPOSED LOCATION  
DUCK CREEK #67-9

R  
20  
E



OURAY

3.5 MILES

PROPOSED LOCATION  
DUCK CREEK #67-9

T95

R20E

W.C. INVESTMENTS  
DUCK CREEK #67-9

TOPO.

MAP "A"

SCALE 1" = 4 MI.

10 POINT PROGRAM

W.C. INVESTMENTS, LTD

Duck Cree #67-9

Section 9, T9S, R20E, S.L.M.

Uintah County, Utah

### 10 POINT PROGRAM

1. The geological name for the surface formation is the Uintah Formation of the Upper Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated Graded Ground elevation are as follows:

Green River	1879'
J Zone	4100' (Approx.)
Wasatch	5500'
Total Depth	7200'

3. It is anticipated that the Wasatch Formation may contain Gas.
4. The proposed casing program for completion of this well will consist of 4½" 11.6# K55 200' of 13 3/8" 54.3# K55. Surface casing will be run.
5. The operators minimum specifications for pressure control equipment are as follows:  
  
13 5/8", 3000 PSI hydraulic doublegate BOP. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.
6. It is proposed that the hole will be drilled to the top of the J zone of the Green River formation with 3% KCL water as necessary in order to clean the hole. From the top of the J zone to Total Depth it is planned to drill the well with mud. The mud system will be a water based, gel-chemical weighted to 10.5 ppg, or as necessary for gas control.
7. Auxiliary equipment to be used will be a 2", 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of Dual Lateral Log, CDL, CNL and Gamma Ray with caliper.
9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately April 1, 1984 and that the operations will last two weeks.



13 POINT SURFACE USE PLAN

W.C. INTERPRISES, LTD

DUCK CREEK #67-9

SECTION 9, T9S, R20E, S.L.M.

UINTAH COUNTY, UTAH

1. EXISTING ROADS

A. For the location of the proposed well and the existing roads, see attached Topographic Maps "A" and "B". The proposed well is located approximately 3 miles South of Ouray, Utah.

B. The proposed location is approximately 3 miles South of Ouray, Utah. To reach the location, take the county road approximately 3 miles South of Ouray. The well location and proposed access route are located in Section 9, Township 9 South, and Range 20 East, Uintah County, Utah.

C. The proposed route is outlined on Topographic Map "B".

D. See Topographic Map "B".

E. Not applicable.

F. Access to the well site will be over existing county roads. The proposed access road will be crowned and ditched so as to accommodate rig traffic. See Topo Map "B" for details of the access road.

2. PLANNED ACCESS ROADS

See attached Topographic Map "B".

The planned access road (total length) will be approximately 200' feet in length and will comply with the general specifications as outlined.

(1) The proposed access road will be a 32 foot crown road usable 16 feet on 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 any normal weather conditions that are prevalent to this area.

(2) The maximum grade of the proposed access road will be 4%, but will not exceed this amount.

(3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum. Line of sight vision is such that turnouts are not necessary.

(4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns. Drainage will be implemented so as not to cause siltation or accumulation of debris.

(5) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.

(6) No fences will be crossed in order to access the proposed location; no cattle guard will be needed.

W.C. INTERPRISES, LTD.  
Duck Creek #67-9  
Section 9, T9S, R20E, S.L.M.

7. The road has been center-line flagged for the full distance of the proposed route.

3. LOCATION OF EXISTING WELLS - Within a one mile radius

- (1) Water Wells - None
- (2) Abandoned Wells - None
- (3) Temporarily abandoned Wells - None
- (4) Disposal Wells - None
- (5) Drilling Wells - None
- (6) Producing Wells 4, DC 7-16, DC 6-16, DC 16-16, ND 8-15, ND 9-15 GR
- (7) Shut in Wells - 1, DC 2-10
- (8) Injection Wells - None
- (9) Monitoring Wells - None

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. Existing production facilities located within one mile of the proposed well are:

- (1) Tank batteries - None
- (2) Production facilities - DC 7-16, DC 6-16, DC 16-16, ND 8-15 (All facilities located on pad)
- (3) Oil gathering lines - None
- (4) Gas gathering lines - None
- (5) There are no injection lines in the area.
- (6) There are no disposal lines in the area.

There are no known gas lines in the immediate area at this time.

B. The attached diagram "A" shows the proposed production facilities that will be utilized in the event this well produces gas. All production facilities will be kept on the pad.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed or within 90 days, they will be covered over with native borrow material and rehabilitated to conform with the provisions of the rehabilitation agreement of BIA standards.

W.C. INTERPRISES, LTD.  
Duck Creek #67-9  
Section 9, T9S, R20E, S.L.M.

Guard rails will be constructed around the well head to prevent access to livestock or wildlife.

Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil saved on the site. This area will be reseeded as per BIA specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Water to be used to drill this well will be hauled by truck from the White River. Access point for the water will be near the White River bridge in Section 4, T9S, R20E, Uintah County, Utah. Permit for this water will be purchased from the Bureau of Indian Affairs, prior to the drilling operations.

B. Water will be hauled by truck (Liquid Transport of Duchesne, PSC #1969) on the above described access route. See access route on Topo Map "B". No new roads or pipelines will be needed for this purpose.

C. No water well will be drilled.

6. SOURCE OF CONSTRUCTION MATERIALS

A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time, but if they are required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.

B. Items described in part "A" are from BIA regulated lands.

C. See part "A".

D. No other access roads are required other than described in Item 2.

7. METHODS OF HANDLING WASTE DISPOSAL

A. Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad.

B. See "A" above for disposal of drilling fluids.

C. See "A" above for disposal of produced water.

D. A portable chemical toilet will be provided for human waste during the drilling phase.

E. Garbage and other waste materials will be contained in a wire mesh cage and then disposed of in an approved waste disposal facility.

W.C. INTERPRISES, LTD  
Duck Creek #67-9  
Section 9, T9S, R20E, S.L.M.

F. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected, and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids.

#### 8. ANCILLARY FACILITIES

No airstrips or camps are planned for this well.

#### 9. WELL SITE LAYOUT

See attached Location Layout sheet which shows the following items:

A. Cross section of the pad showing details of the cuts and fills.

B. Location of the reserve pits, pipe racks, living facilities and topsoil stockpile and excess "cut" stockpile.

C. Rig orientation, parking areas and access road.

D. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of operations. Proper NTL-2B notices will be filed if well produces water.

#### 10. PLANS FOR RESOTRATION OF SURFACE

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be backfilled. The location will be restored to as near the original contour as feasible and then reseeded.

(1) Upon completion of the testing phase of the well, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography and the stockpiled soil redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.

(2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BIA. It will be performed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned items 7 and 10 (1).

(3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from location. The fences will be maintained in good condition until Item (1) is started.

(4) Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any

W.C. INTERPRISES, LTD.  
Duck Creek #67-9  
Section 9, T9S, R2OE, S.L.M.

pit used to handle well fluids during the producing life of the well.

(5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment, according to BIA specifications.

11. OTHER INFORMATION

Topography of the general area is relatively flat rolling terrain consisting of clay and stabilized sand dunes.

Vegetation in the area consists of four-wing saltbrush, tumbleweed, cotton horn horsebrush, spiny hop sage, curly grass, matchweed, greasewood, and a sparse population of Indain ricegrass.

Wildlife consists of reptiles, small rodents and birds.

Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are controlled by the BIA.

There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.

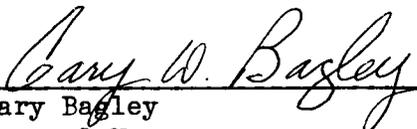
12. W.C. Investments, LTD's representative for this operation will be Mr. Gary Bagley, General Manager, 4901 West 2100 South, Salt Lake City, Utah 84120, telephone 1-801-531-8446.

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 operations proposed herein will be performed by Belco Petroleum Corporation, it's contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

DATE

3/13/84

  
\_\_\_\_\_  
Gary Bagley  
General Manager

BUREAU OF INDIAN AFFAIR  
ADDITIONAL PROVISIONS TO THE SURFACE USE AND OPERATING PLAN

1. FIREARMS:

Employees of W.C. Investments, LTD it's contractors and subcontractors have been unstructed not to carry firearms on the Uintah and Ouray Indian Reservation.

2. OFF ROAD TRAFFIC:

Employees of W.C. Investment, LTD it's contractors, and subcontractors have been instructed to remain only on established roads and well sites.

3. FIREWOOD:

Employees of W.C. Investment, LTD it's contractors and subcontractors have been notified of the requirements of the Bureau of Indian Affairs to obtain a wood permit from the Forestry Section before gathering any wood on the Uintah and Ouray Indian Reservation.

4. RESTORATION:

All topsoil will be stripped and stockpiled. When all drilling and production activities end or if abandonment is required, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Any drainages rerouted during the construction activities shall be restored as near as possible to their original line of flow. Restoration activities shall begin when the pit is sufficiently dry. Once activities have been completed, the location site and access road shall be reseeded with a seed mixture recommended by the Bureau of Indian Affairs when the moisture content of the soil is adequate for seed germination.

5. DISPOSAL OF PRODUCED WATERS:

No produced water is anticipated. However, if water is produced, Belco Petroleum Corporation will comply with all requirements of NTL-2B.

6. SIGNS

A sign stating the following shall be placed on the access road to the location site:

AUTHORIZED PERSONNEL ONLY  
W.C. INVESTMENTS, LTD  
WELL IDENTIFICATION  
FIREARMS ARE PROHIBITED  
THIS LAND IS OWNED BY THE UINTAH AND  
OURAY INDIAN RESERVATION  
PERMITS TO CUT FIREWOOD MUST BE OBTAINED  
FROM THE BIA FORESTRY SECTION PRIOR TO  
CUTTING OR GATHERING ANY WOOD ALONG THIS ROAD.

7. RIGHTS OF WAYS:

Right-of-way and damages will be paid as per the re-survey by Uintah Engineering and their affidavit of completion.

8. PERMITS FOR WATER OR EARTH FILL:

Water for this operation will be obtained from the White River, near the White River bridge in Section 4, T9S, R20E. Permit for water will be purchased before the drilling operations commence.

9. WEED CONTROL:

W.C. Investments LTD will initiate a plan for controlling noxious weeds alongside the location and road in accordance with BIA specifications.

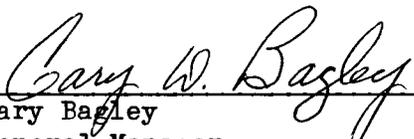
10. LITTER:

All litter will be contained in a trash cage and removed from the location at the end of drilling and completion activities. The area will be groomed and cleaned before removal of the cage.

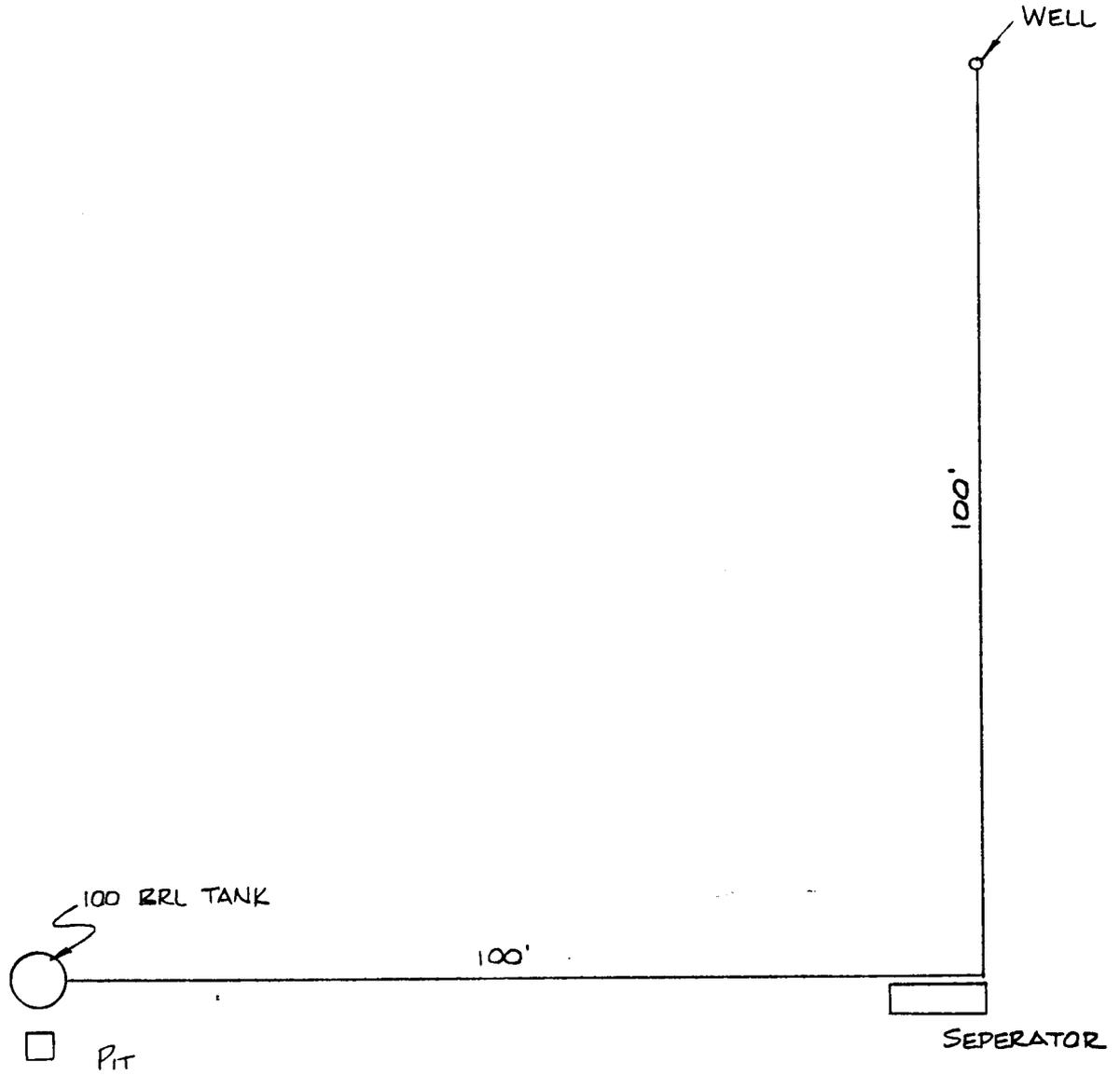
11. BENCH MARKS:

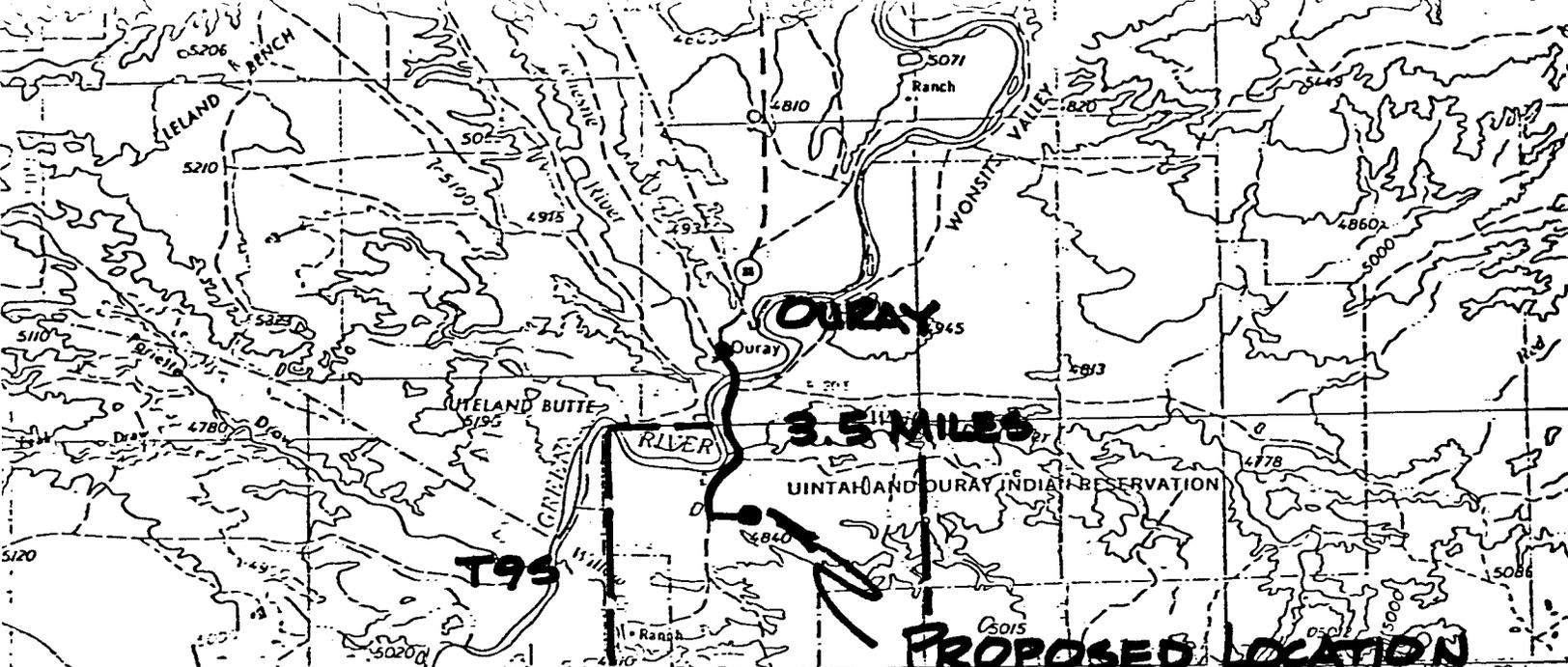
A Bench Mark will be established near the well site, set in concrete with a brass cap showing the well number and the elevation of the site.

DATE: 3/13/84

  
\_\_\_\_\_  
Gary Bagley  
General Manager

W.C. INVESTMENTS  
PRODUCTION FACILITIES





**3.5 MILES**

**PROPOSED LOCATION**

**DUCK CREEK #67-9**

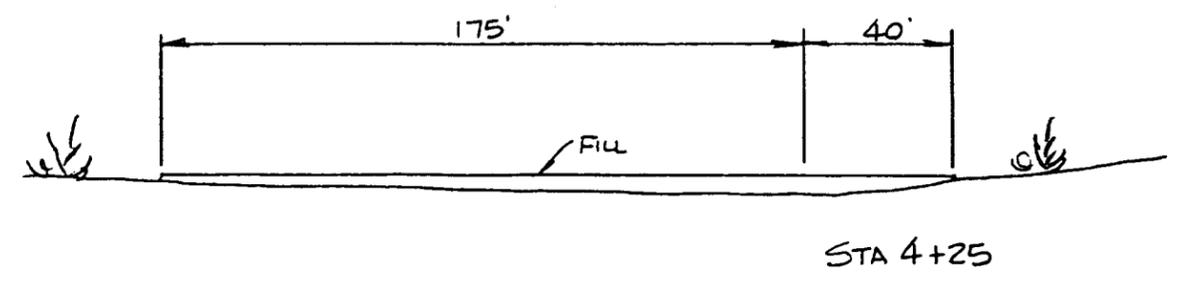
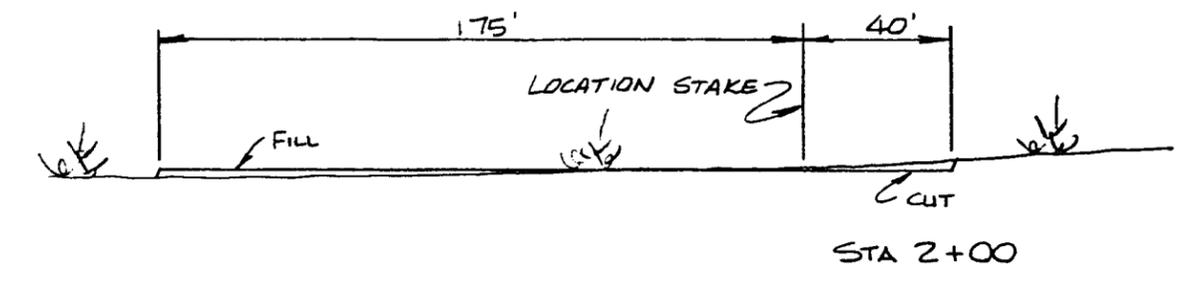
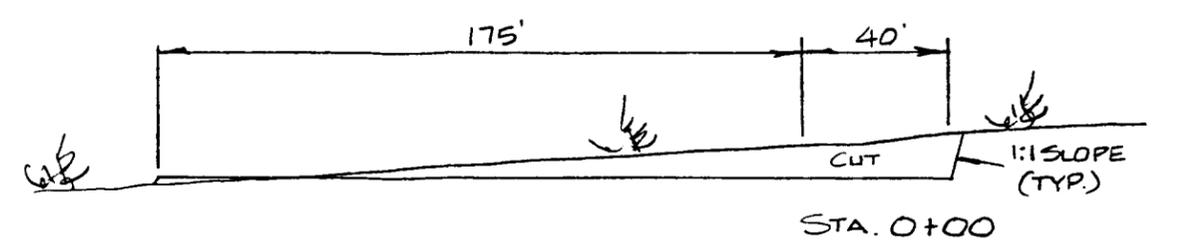
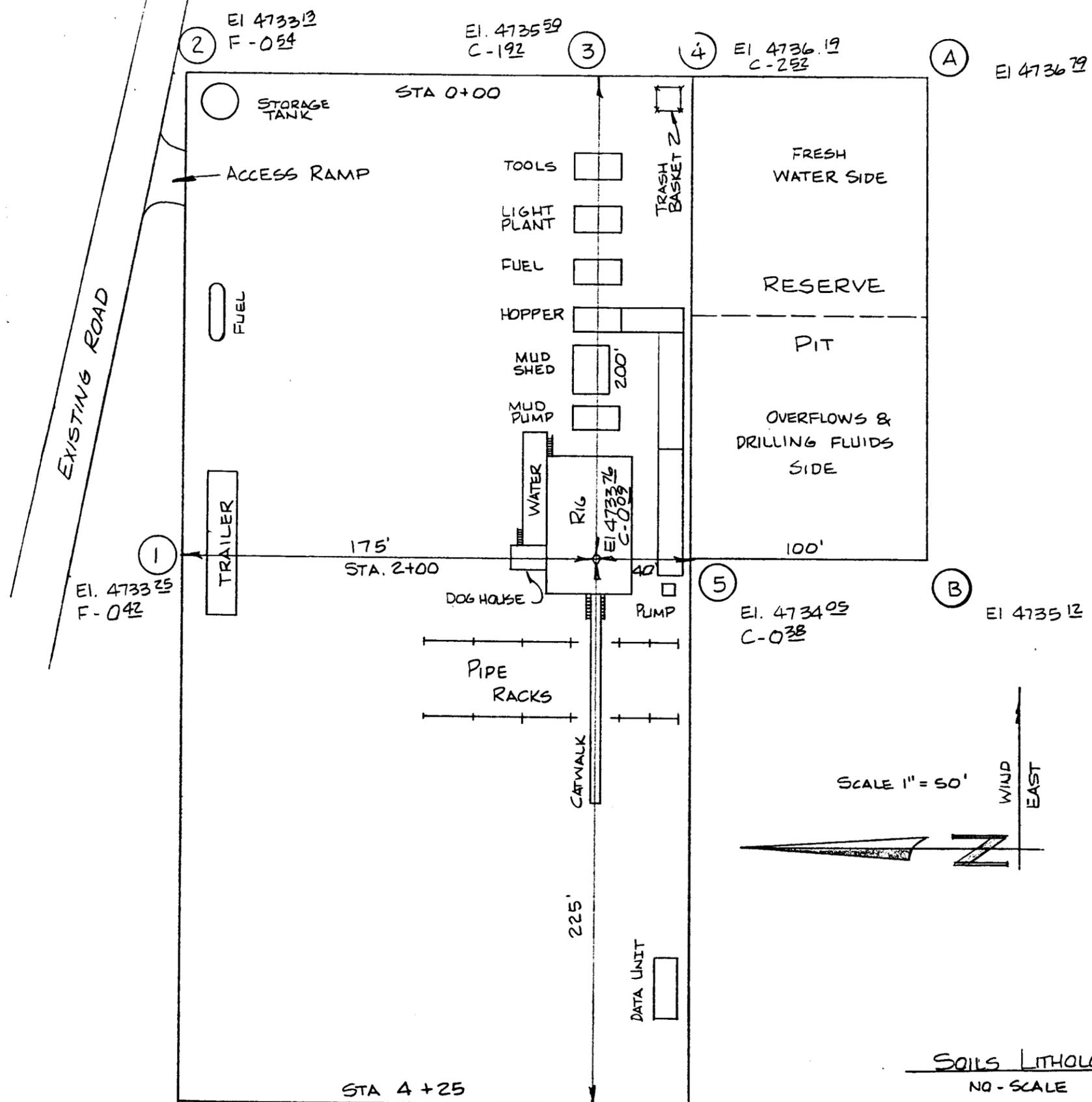


**W.C. INVESTMENTS**

**DUCK CREEK #67-9**

**TOPO. MAP "A"**

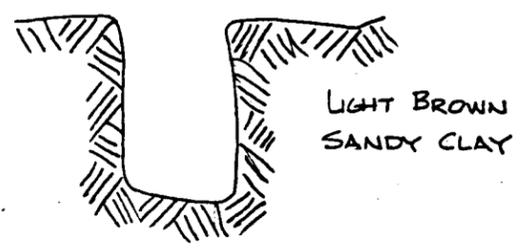
**SCALE 1" = 4 MI.**



SCALE 1" = 50'

WIND EAST

SOILS LITHOLOGY  
NO - SCALE



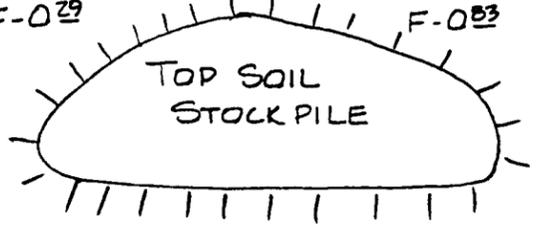
APPROX. YARDAGES

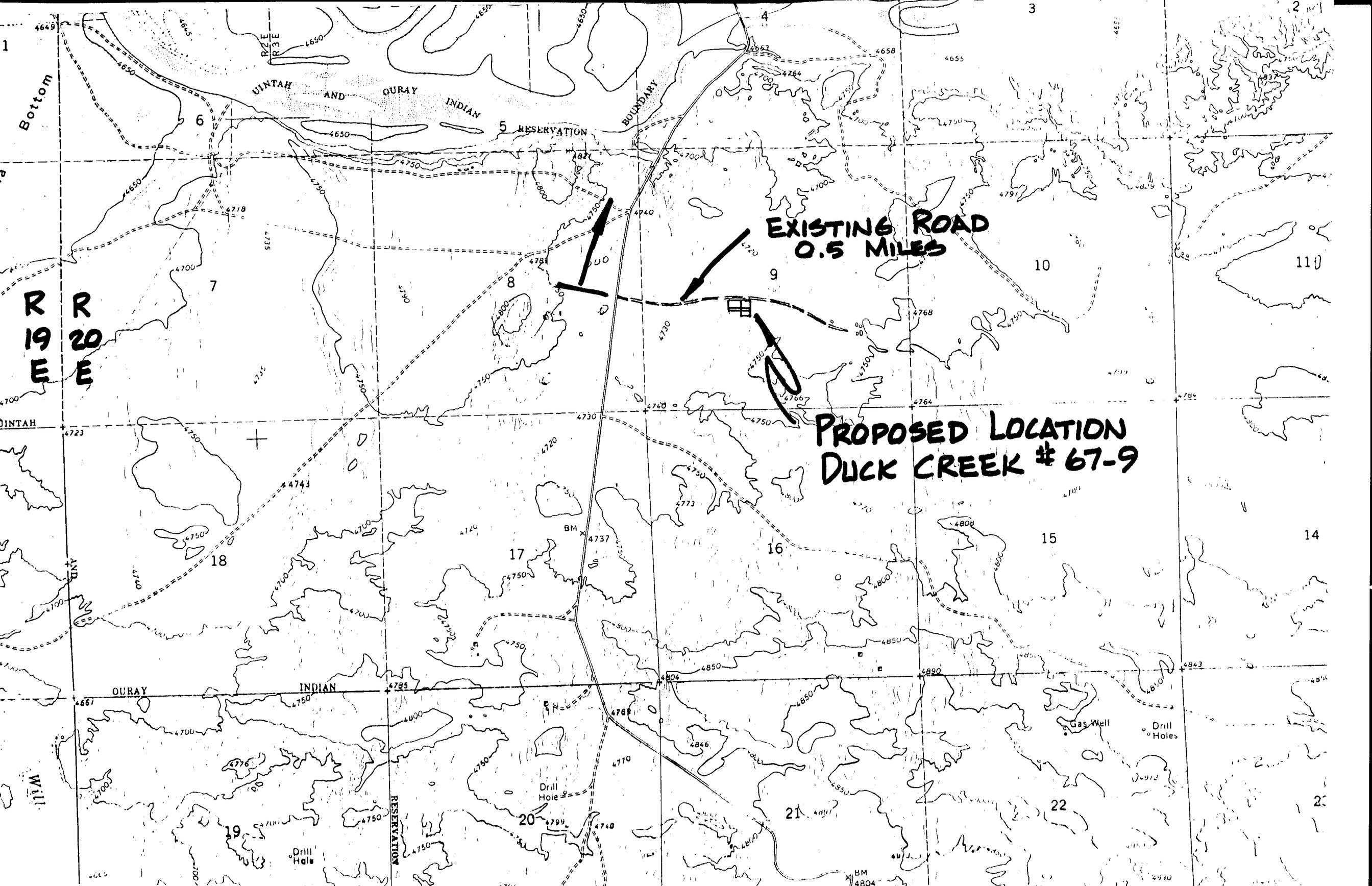
CUT 1,015 CU. YDS.  
 FILL 842 CU. YDS.

W.C. INVESTMENTS

DUCK CREEK #67-9

SECTION 9, T9S, R20E, S1B.&M.  
 Uintah County, Utah





Bottom

R 19 E  
R 20 E

UINTAH AND OURAY INDIAN RESERVATION BOUNDARY

EXISTING ROAD  
0.5 MILES

PROPOSED LOCATION  
DUCK CREEK # 67-9

UINTAH

Will

OURAY

INDIAN

RESERVATION

Drill Hole

Drill Hole

Gas Well

Drill Holes

BM 4804

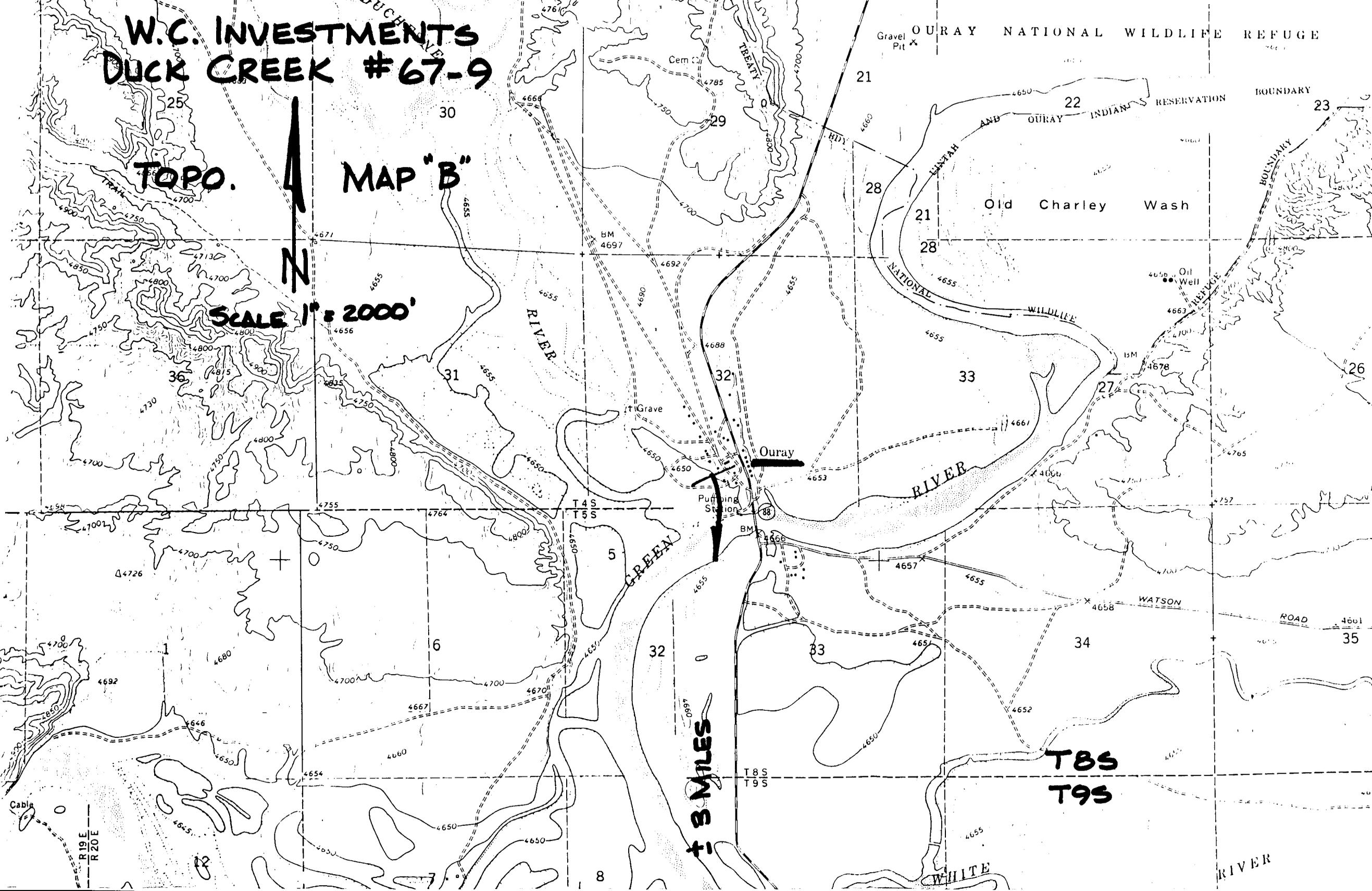
# W.C. INVESTMENTS DUCK CREEK #67-9

TOPO.

MAP "B"



SCALE 1" = 2000'



± 3 MILES

T8S  
T9S

R19E  
R20E

OPERATOR Belco  
W.C. Investments LTD DATE 3/16/84  
WELL NAME Duck Creek 67-9  
SEC NESW 9 T 9S R 20E COUNTY Uintah

43-047-31450  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

Water needed - Oil Shale area + Water # 47-1296  
drilling in Wasatch T-60074

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a 187-3 8-25-83  
190-5(B) 10-28-82  
CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

1. Water  
2. Oil Shale Stipulation (190-5B)

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 190-5 (B)

UNIT \_\_\_\_\_

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.

March 26, 1984

W. C. Investments, LTB.  
4901 West 2100 South  
Salt Lake City, Utah 84120

RE: Well No. Duck Creek 67-9  
NESW Sec. 9, T. 9S, R. 20E  
1980' FSL, 1970' FWL  
Uintah County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 187-3 dated August 25, 1983, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Special attention is directed to compliance with Order for Cause No. 190-5 dated January 27, 1983, which prescribes drilling procedures for oil shale designated areas.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an

W. C. Envestment, LTD  
Well No. Duck Creek 67-0  
March 26, 1984  
Page 2

application for an extension is made prior to the approval  
expiration date.

The API number assigned to this well is 43-047-31450.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

RJF/as  
cc: Branch of Fluid Minerals  
Encl.



June 8, 1984

RECEIVED  
JUN 11 1984  
DIVISION OF OIL  
GAS & MINING

State of Utah  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attn: Arlene Sollis

SUBJECT: Application for Permit to Drill  
Duck Creek 67-9  
Section 9, T9S, R20E  
Uintah County, Utah

Attached is a copy of the APD for the above referenced well site. This well was originally submitted by W. C. Investments LTD on March 13, 1984. Should you have any further questions regarding this application, please call me at the number below.

Very truly yours,

Kathy Knutson  
Engineering Clerk

/kk  
attachments

cc: Files

STATE

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL OIL WELL [ ] GAS WELL [X] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR P.O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At surface 1970' FWL & 1980' FSL At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 3.5 Miles SE Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4734' NGL

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 4 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH. Rows show 17 1/2" hole with 13 3/8" casing (54.5#) at +200' and 8 1/2" hole with 4 1/2" casing (11.6#) at +7200'. A note says 'be determined from caliper log'.

SEE ATTACHEMENT FOR:

- 10 POINT PROGRAM
13 POINT SURFACE USE PLAN W/BIA ADDITIONAL STIPULATIONS
LOCATION PLAT
LOCATION LAYOUT SHEET
TOPO MAPS "A" & "B"
BOP DESIGN
PRODUCTION FACILITIES SCHEMATIC

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] DISTRICT ENGINEER DATE 5-21-84

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED JUN 11 1984 DIVISION OF OIL GAS & MINING

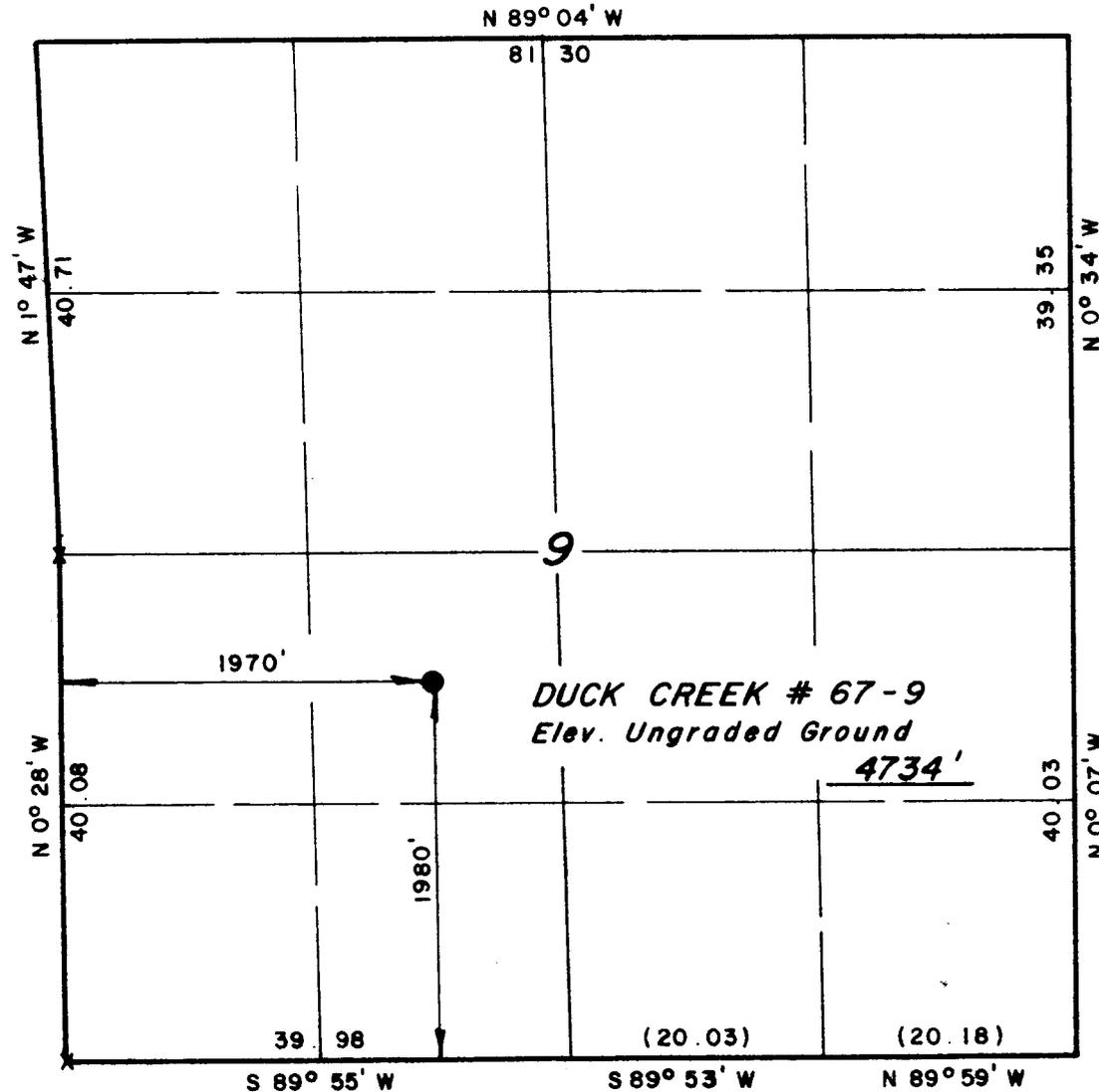
Vertical strip on the right side of the page containing fields 5 through 22, including LEASE DESIGNATION, UNIT AGREEMENT, FIELD AND POOL, COUNTY OR PARISH, and APPROX. DATE WORK WILL START.

T 9 S, R 20 E, S.L.B.&M.

PROJECT

W.C. INVESTMENTS

Well location, *DUCK CREEK # 67-9*,  
located as shown in the NE 1/4 SW 1/4  
Section 9, T9S, R 20 E, S.L.B.&M.  
Uintah County, Utah.



X = Section Corners Located



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.

*Robert J. ...*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 3 / 8 / 84
PARTY D.K. B.W.                      B.W.	REFERENCES GLD Plat
WEATHER Fair	FILE W.C. INVESTMENTS

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  
 BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR  
 P.O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 1970' FWL & 1980' FSL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 3.5 Miles SE Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4734' NGL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	+200'	200 sx class "G"
8 1/2"	4 1/2"	11.6#	+7200'	Min 900 sx, actual amount to be determined from caliper log.

SEE ATTACHEMENT FOR:

- 10 POINT PROGRAM
- 13 POINT SURFACE USE PLAN W/BIA ADDITIONAL STIPULATIONS
- LOCATION PLAT
- LOCATION LAYOUT SHEET
- TOPO MAPS "A" & "B"
- BOP DESIGN
- PRODUCTION FACILITIES SCHEMATIC



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] DISTRICT ENGINEER TITLE DATE 5-21-84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] DISTRICT MANAGER TITLE DATE 7/3/84  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL  
 State Oil Gas & Mining  
 117-130-4-11-213

PLACING OPERATOR'S BASIS SURVEY ON FILE IN 117-130-4-11-213

Water  
OK

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BELCO DEVELOPMENT

WELL NAME: Duck Creek 67-9

SECTION NESW 9 TOWNSHIP 9S RANGE 20E COUNTY Uintah

DRILLING CONTRACTOR \_\_\_\_\_

RIG # \_\_\_\_\_

SPUDED: DATE 7-9-84

TIME 7:00 AM

HOW Dry Hole Spud

DRILLING WILL COMMENCE Wheeler - Rig #1

REPORTED BY Kathy

TELEPHONE # 789-0790

DATE 7-9-84 SIGNED AS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions  
verse 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

JUL 19 1984

DIVISION OF OIL  
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-13633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBE SURFACE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

DUCK CREEK

9. WELL NO.

67-9

10. FIELD AND POOL, OR WILDCAT

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

SEC 9, T9 S, R20E

12. COUNTY OR PARISH 13. STATE

UINTAH

UTAH

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR

P.O. BOX X, VERNAL, UTAH 84078

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

4901' FWL & 1980' FSL

14. PERMIT NO.

43-047-31450

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

4734' NGL

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) STATUS REPORT/SPUD NOTICE   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANE

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.)\*

SPUD NOTICE:

JACOBS RIG #1 MOVED ON LOCATION AND A 17 1/2" HOLE WAS SPUDDED AT 7:00 A.M. ON JULY 9, 1984. DRILLING CONT TO 215'. 5 JTS 13 3/8" CASING WAS SET AND CEMENTED TO SURFACE WITH 145 SX TYPE "H" CEMENT W/ADDITIVES. BUMP PLUG AT 4:00 P.M., 7-13-84. NU, TEST RAMS TO 1900 PSI, ANNULAR TO 1500 PSI, HELD GOOD. CURRENTLY DRILLING IS CONTINUING AT 1073'.

NOTICE OF SPUD CALLED TO ARLENE W/STATE OF UTAH AND MARGIE WITH BLM, 7-9-84.

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

SIGNED

*J. Bell*

TITLE

DISTRICT ENGINEER

DATE

7-17-84

(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

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse 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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. LEASE DESIGNATION AND SERIAL NO. U-13633
2. NAME OF OPERATOR BELCO DEVELOPMENT CORPORATION		7. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE SURFACE
3. ADDRESS OF OPERATOR P.O. BOX X, VERNAL, UTAH 84078		8. FARM OR LEASE NAME DUCK CREEK
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 4901' FWL & 1980' FSL		9. WELL NO. 67-9
14. PERMIT NO. 43-047-31450		10. FIELD AND POOL, OR WILDCAT
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4734' NGL		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA SEC 9, T9S, R20E
		12. COUNTY OR PARISH 13. STATE UINTAH 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

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)

(Other) STATUS REPORT

(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.)\*

STATUS 8-13-84: WELL WAS DRILLED TO 7025'. 4 1/2" 11.6# N-80 CASING WAS SET AND CEMENTED. PLUG WAS BUMPED AT 8:45 8-9-84 w/2000 psi. RDMO JACOBS RIG #1.

CURRENTLY WELL IS WAITING ON COMPLETION UNIT.

RECEIVED

AUG 14 1984

DIVISION OF OIL  
GAS & MINING

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

SIGNED

*J. Bell*

TITLE

DISTRICT ENGINEER

DATE

8-13-84

(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

SUBMIT IN TRIPPLICATE\*  
(Other instructions re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135-3  
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

SEP 13 1984

DIVISION OF OIL  
GAS & MINING

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Belco Development Corporation

3. ADDRESS OF OPERATOR  
P.O. Box X, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal regulations. See also space 17 below.)  
At surface  
4901' FWL & 1980' FSL

14. PERMIT NO.  
43-047-31450

15. ELEVATIONS (Show whether DF, BT, GR, etc.)  
4734' NGL

5. LEASE DESIGNATION AND SERIAL NO.  
U-13633

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Tribe Surface

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Duck Creek

9. WELL NO.  
67-9

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA  
SEC 9, T9S, R20E

12. COUNTY OR PARISH  
Uintah

13. 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 PLANE <input type="checkbox"/>	(Other) _____	(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.)\*

STATUS 9-12-84: Completion unit moved on location 8-31-84. CBL log was run, cmt tagged @ 6280'. Perf'd 6300-6230' and frac. Set tbg to 6350', install wellhead. Currently waiting on initial production.

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

SIGNED J. Ball TITLE District Engineer DATE 9-12-84

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



4899 West 21st South • Salt Lake City, Utah 84120 • Phone (801) 974-0388

October 1, 1984

RECEIVED

OCT 3 1984

DIVISION OF OIL  
GAS & MINING

State of Utah  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

Attn: Claudia Jones

Re: Duck Creek 67-9  
Sect. 9, T9S, R20E  
Uintah County, Utah

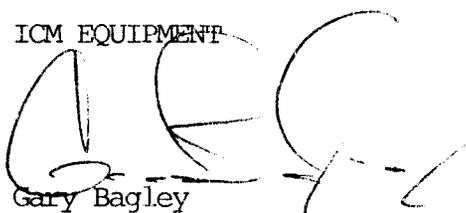
Dear Ms. Jones,

Enclosed please find copies of the DLL/GR and CDL/CN/GR logs for the referenced well.

Please acknowledge receipt of these logs in the space provided below returning one copy of this letter.

Very truly yours,

ICM EQUIPMENT

  
Gary Bagley  
General Manager

GB/dm  
Encl.

We acknowledge receipt of the above logs.

By: S. Barela sent 10-3-84



October 10, 1984

RECEIVED

OCT 11 1984

DIVISION OF OIL  
GAS & MINING

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

SUBJECT: COMPLETION REPORT  
Duck Creek 67-9  
Uintah County, Utah

Gentlemen:

Attached is the Well Completion Report for the Duck Creek 67-9 that has been newly completed in the Duck Creek Area, Section 9, T9S, R20E, Uintah County, Utah. This well is currently waiting on connection to NWPL's gas gathering system.

Very truly yours,

Kathy Knutson  
Engineering Clerk

/kk  
attachments

cc: **Division of Oil, Gas & Mining**  
Houston (3)  
Denver  
Jay Mealy  
North West Pipeline  
Reading File

**UNIT STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions reverse side)

Form approved.  
Budget Bureau No. 42-R355.6

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

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  
**BELCO DEVELOPMENT CORPORATION**

3. ADDRESS OF OPERATOR  
**P.O. BOX X, VERNAL, UTAH 84078**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface **1970' FWL & 1980' FSL**  
 At top prod. interval reported below **NESW**  
 At total depth \_\_\_\_\_

**RECEIVED**  
**OCT 11 1984**  
**DIVISION OF OIL GAS & MINING**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-13633**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UTE TRIBE SURFACE**

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
**DUCK CREEK FIELD**

9. WELL NO.  
**67-9**

10. FIELD AND POOL, OR WILDCAT  
**Natural Buttes**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC 9, T9S, R20E**

14. PERMIT NO. **43-047-31450** DATE ISSUED **3-26-84**

12. COUNTY OR PARISH **UINTAH** 13. STATE **UTAH**

15. DATE SPUNDED **7-9-84** 16. DATE T.D. REACHED **8-8-84** 17. DATE COMPL. (Ready to prod.) **9-9-84** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* **4734' NGL** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **7038'** 21. PLUG, BACK T.D., MD & TVD **6430'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY **ALL** ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**6234'-6300' Wasatch**

25. WAS DIRECTIONAL SURVEY MADE **NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**DLD, CNL W/GR, GR/CBL**

27. WAS WELL CORED **NO**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	215'	17 1/2"	145 sx class "G"	none
4 1/2"	11.6#	7025'	8 1/2-7 7/8"	cmt tagged @6280'	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6275'	n/a

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
6292'	6250'	6236'
6294'	6252'	6238'
6297'	6256'	6240'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6234-6300'	31,130 gals foam, 223 BW w/ 3% KCL, 848 sx 20/40 sd & 800,000 scf N <sub>2</sub>

33.\* PRODUCTION

DATE FIRST PRODUCTION **9-29-84** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **FLOWING** WELL STATUS (Producing or shut-in) **SHUT IN**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-1-84	24	8/64	→	.5	549	0	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1900		→		549		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **VENTED FOR TEST** TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**CBL LOG**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *J. Ball* TITLE **DISTRICT ENGINEER** DATE **9-17-84**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TRUE VERT. DEPTH
				38.	
				Uinta Greenriver J Wasatch	Surface 1863' 4100' 5484'

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPPLICATE\***  
(Other instructions on reverse side)

**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**  **CAS WELL**  **OTHER**

**2. NAME OF OPERATOR**  
BELCO DEVELOPMENT CORPORATION

**3. ADDRESS OF OPERATOR**  
P.O. BOX X, VERNAL, UTAH 84078

**4. LOCATION OF WELL** (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
  
1970' FWL & 1980' FSL

**14. PERMIT NO.** 43-047-31450

**15. ELEVATIONS** (Show whether DF, WT, GR, etc.)  
4734' NGL

**5. LEASE DESIGNATION AND SERIAL NO**  
U-13633

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
DUCK CREEK FIELD

**9. WELL NO.**  
67-9

**10. FIELD AND POOL, OR WILDCAT**

**11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA**  
SEC 9, T9S, R22E

**12. COUNTY OR PARISH** UTAH

**13. STATE** UTAH

**RECEIVED**  
**OCT 19 1984**  
**DIVISION OF OIL & GAS & MINING**

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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 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 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.)\*

STATUS 10-15-84:

WELL SHUT IN WAITING ON CONNECTION TO NWPL GAS GATHERING SYSTEM.  
WELL WILL BE CARRIED ON PROD FORM 9-329 FOR FURTHER REPORTS.

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

SIGNED *J. Baer* TITLE DISTRICT ENGINEER DATE 10-15-84

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

W.C. INVESTMENTS, LTD.  
4899 WEST 2100 SOUTH  
SALT LAKE CITY, UTAH 84120

RECEIVED

OCT 10 1985

DIVISION OF OIL  
GAS & MINING

October 8, 1985

Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

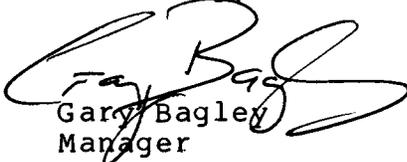
Re: Change of Operator  
Duck Creek 67-9  
NESW-Sec. 9-T9SR20E  
Uintah County, Utah

Gentlemen:

Attached please find an approved copy of the change of operator from Belco Development Corporation to W.C. Investments, Ltd. for the referenced well.

W.C. Investments, Ltd. will begin submitting the production reports for this well beginning with the October production reports. Belco should have been submitting the reports prior to this time. Should you need any further information please do not hesitate to contact the undersigned at (801) 974-0388.

Sincerely,

  
Gary Bagley  
Manager

**RECEIVED**  
Instructions on  
reverse side

Form approved  
Budget Bureau No. 1004-011  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 10 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: DRILL  DEEPEN  PLUG BACK  **DIVISION OF OIL & GAS & MINING**

2. TYPE OF WELL: OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

3. NAME OF OPERATOR: W.C. Investments, Ltd.

4. ADDRESS OF OPERATOR: 4899 West 2100 South, Salt Lake City, Utah 84120

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.):  
1970' FWL 1980' FSL

6. NAME OF NEAREST TOWN OR POST OFFICE: same

7. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 21 Miles Southeast of Ft. Duchesne Utah

8. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY ON LEASE LINE, FT. (Also to nearest drg. unit lge. if any): 1980'

9. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL DRILLING COMPLETED OR ABOUT TO BE DRILLED ON THIS LEASE, FT.:

10. ELEVATION (Show whether DE, RT, CR, etc.): 4734' NGL

11. LEASE DESIGNATION AND SERIAL NO.: U-13633

12. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Surface

13. UNIT AGREEMENT NAME:

14. FARM OR LEASE NAME: Duck Creek

15. WELL NO.: 67-9

16. FIELD AND POOL OR WIDEFAT:

17. SEC., T., R., M., OR B1K AND SURVEY OR AREA: Sec. 9, T9S R20E

18. COUNTY OR PARCEL ID. STATE: Uintah Utah

19. NO. OF ACRES IN LEASE: 40

20. NO. OF ACRES ASSIGNED TO THIS WELL: 40

21. PROPOSED DEPTH: 7200"

22. ROTARY OR CABLE TOOLS: Rotary

23. APPROX. DATE WELL WILL START: April 1, 1984

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5 # K-55	200'	200 sacks
8 1/2"	4 1/2"	11.6# K-55	7200'	Circulate to surface

W.C. Investments will accept all stipulations that were part of Belco Developments Corporation's previous approval.

W.C. Investments representative is : Gary W. Bagley  
4899 West 2100 South  
Salt Lake City, Utah 84120  
(801) 974-0388 (office)  
(801) 943-2744 (home)



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 prevention program, if any.

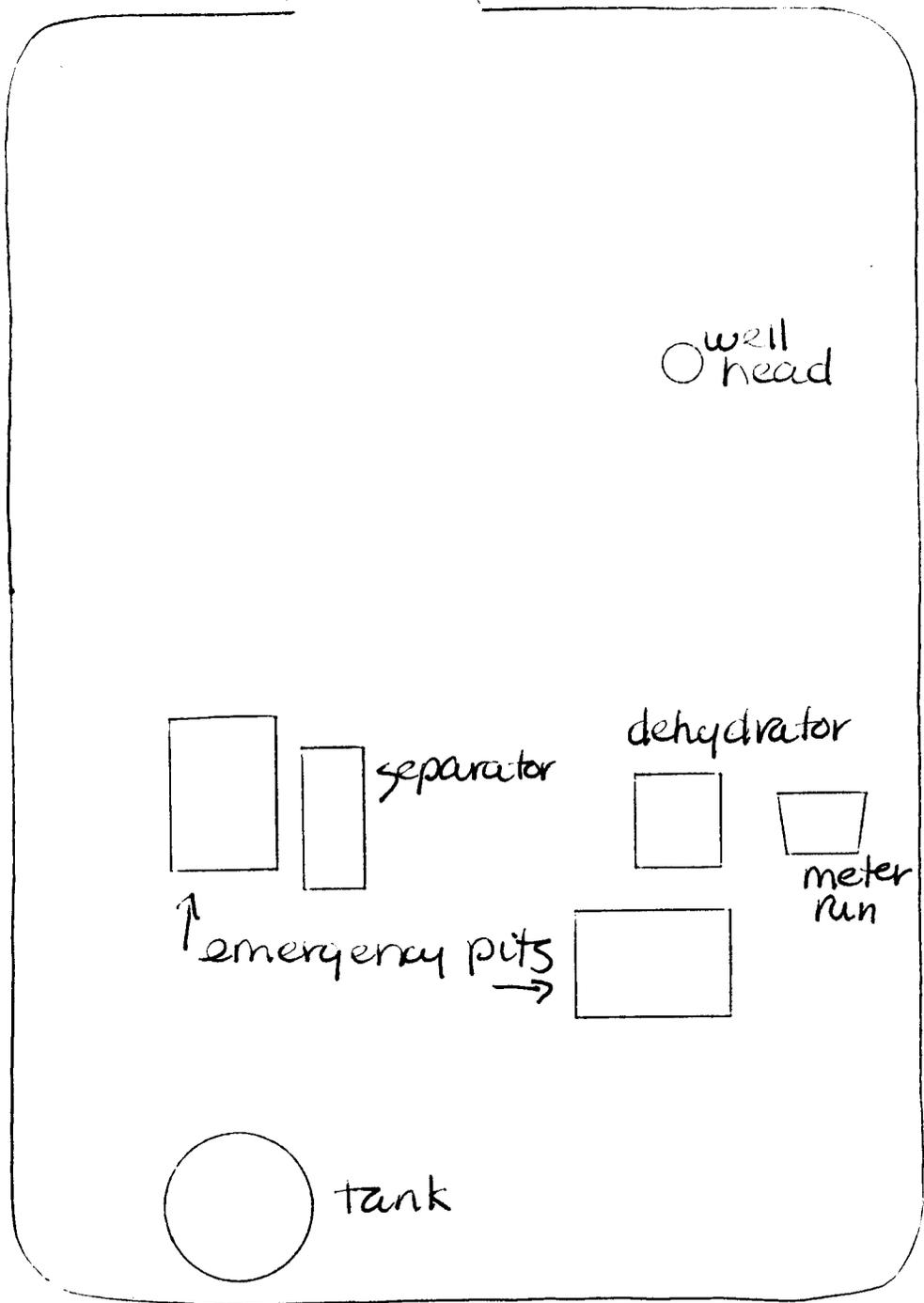
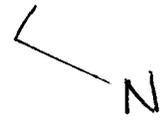
24. SIGNED: Gary W. Bagley TITLE: Partner DATE: 12-12-84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE: \_\_\_\_\_  
APPROVED BY: Don Alford TITLE: ASSOCIATE DISTRICT MANAGER DATE: 09-24-85  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Duckcreek 67-9 Sec 9, T9S, R20E Buhly 1/4/89





**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUNDRY NOTICE AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals  
**SUBMIT IN TRIPPLICATE**

FORM APPROVED  
Bud. reau No. 1004-0135  
Expires September 30, 1990

<p>1. Type of Well</p> <p style="text-align: center;">Oil                      Gas <input type="checkbox"/> WELL    <input checked="" type="checkbox"/> Well                      <input type="checkbox"/> Other</p>	<p>5. Lease Designation and Serial No. <b>U-13633</b></p>
<p>2. Name of Operator <b>EOG Resources, Inc.</b></p>	<p>6. If Indian, Allottee or Tribe Name <b>Ute Tribal Surface</b></p>
<p>3. Address and Telephone No. <b>P.O. BOX 250, BIG PINEY, WY 83113      (307) 276-3331</b></p>	<p>7. If Unit or C.A., Agreement Designation</p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  <b>1970' FWL, 1980' FSL, NE/4SW/4 of Sec. 9-9S-20E, SLM</b></p>	<p>8. Well Name and No. <b>Duck Creek 67-9</b></p>
	<p>9. API Well No. <b>43-047-31450</b></p>
	<p>10. Field and Pool or Exploratory Area <b>Natural Buttes</b></p>
	<p>11. County                                      State <b>Uintah, Utah</b></p>

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<p><input checked="" type="checkbox"/> NOTICE OF INTENT</p> <p><input type="checkbox"/> SUBSEQUENT REPORT</p> <p><input type="checkbox"/> FINAL ABANDONMENT NOTICE</p>	<table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p><input type="checkbox"/> ABANDONMENT</p> <p><input type="checkbox"/> RECOMPLETION</p> <p><input type="checkbox"/> PLUGGING BACK</p> <p><input type="checkbox"/> CASING REPAIR</p> <p><input type="checkbox"/> ALTERING CASING</p> <p><input checked="" type="checkbox"/> OTHER <u>Change of Operator</u></p> </td> <td style="width:50%; vertical-align: top;"> <p><input type="checkbox"/> CHANGE OF PLANS</p> <p><input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> NON-ROUTINE FRACTURING</p> <p><input type="checkbox"/> WATER SHUT-OFF</p> <p><input type="checkbox"/> CONVERSION TO INJECTION</p> </td> </tr> </table> <p align="center"><small>(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)</small></p>	<p><input type="checkbox"/> ABANDONMENT</p> <p><input type="checkbox"/> RECOMPLETION</p> <p><input type="checkbox"/> PLUGGING BACK</p> <p><input type="checkbox"/> CASING REPAIR</p> <p><input type="checkbox"/> ALTERING CASING</p> <p><input checked="" type="checkbox"/> OTHER <u>Change of Operator</u></p>	<p><input type="checkbox"/> CHANGE OF PLANS</p> <p><input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> NON-ROUTINE FRACTURING</p> <p><input type="checkbox"/> WATER SHUT-OFF</p> <p><input type="checkbox"/> CONVERSION TO INJECTION</p>
<p><input type="checkbox"/> ABANDONMENT</p> <p><input type="checkbox"/> RECOMPLETION</p> <p><input type="checkbox"/> PLUGGING BACK</p> <p><input type="checkbox"/> CASING REPAIR</p> <p><input type="checkbox"/> ALTERING CASING</p> <p><input checked="" type="checkbox"/> OTHER <u>Change of Operator</u></p>	<p><input type="checkbox"/> CHANGE OF PLANS</p> <p><input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> NON-ROUTINE FRACTURING</p> <p><input type="checkbox"/> WATER SHUT-OFF</p> <p><input type="checkbox"/> CONVERSION TO INJECTION</p>		

13. 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).

Effective February 1, 2000, W.C. Investments, Ltd. assigned all of its right, title and interest in the above referenced well to EOG Resources, Inc.

Please be advised that EOG Resources, Inc. is now considered to be the operator of the Duck Creek 67-9 well; NE/4SW/4 of Section 9, Township 9 South, Range 20 East, SLM, Uintah County, Utah, Lease U-13633, and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands. Bond coverage is provided by Nationwide Bond #NM2308.

AUG 24 2000  
DIVISION OF OIL, GAS AND MINERAL RESOURCES

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

SIGNED Don M. Shuler TITLE General Partner DATE August 24, 2000

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

September 14, 2000

EOG Resources, Inc.  
P. O. Box 250  
Big Piney, WY 83113

Re: Well No. Duck Creek 67-9  
NESW, Sec. 9, T9S, R20E  
Lease U-13633  
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, EOG Resources, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. NM2308, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (435) 781-4400.

Sincerely,

Ed Forsman  
Petroleum Engineer  
Minerals Resources

cc: W. C. Investments, Ltd.  
Gilman A. Hill  
Division of Oil, Gas & Mining ,

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS ✓
2. CDW ✓		5- <del>SPY</del> ✓
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective:

02-01-2000

**FROM:** (Old Operator):

W. C. INVESTMENTS LTD  
 Address: 4901 WEST 2100 S.  
 SALT LAKE CITY, UT 84120

Phone: 1-(801)-974-0511

Account No. N9470

**TO:** ( New Operator):

EOG RESOURCES INC  
 Address: P. O BOX 250  
 BIG PINEY, WY 83113

Phone: 1-(307)-276-3331

Account N9550

**CA No.**

**Unit:**

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NORTH DUCK CREEK 62-30	43-047-31552	8137	30-08S-21E	FEDERAL	GW	P
DUCK CREEK 63-8	43-047-31321	8139	08-09S-20E	FEDERAL	GW	P
DUCK CREEK 67-9	43-047-31450	4995	09-09S-20E	FEDERAL	GW	P
DUCK CREEK 65-10	43-047-31441	9755	10-09S-20E	FEDERAL	GW	P
DUCK CREEK 64-17	43-047-31398	8138	17-09S-20E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 09-05-2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 09-05-2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 09-21-2000
- Is the new operator registered in the State of Utah: YES Business Number: 966901-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 09/14/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a ~~unit~~ on: N/A

9. **Underground Injection Control ("UIC") Pro:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 09/21/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/21/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

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**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

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**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

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**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 2.26.01

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**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: \_\_\_\_\_

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**COMMENTS:**

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