

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPEC SUB. REPORT/abd.

990526 LA'D, eff 5-21-99!

DATE FILED FEBRUARY 28, 1997

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN #

DRILLING APPROVED: NOVEMBER 24, 1997 UTE 14-20-H62

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION

DATE ABANDONED: LAID 5-21-99

FIELD: BRUNDAGE CANYON

UNIT:

COUNTY: DUCHESNE

WELL NO UTE TRIBAL 1-21 API NO. 43-013-31836

LOCATION 769 FNL FT. FROM (N) (S) LINE. 699 FEL FT. FROM (E) (W) LINE NE NE 1/4 - 1/4 SEC. 21

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
5S	4W	21	BARRETT RESOURCES				

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

2. NAME OF OPERATOR
 Barrett Resources Corp

3. ADDRESS OF OPERATOR
 PO BOX 290, Neola, UT 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 NE 1/4, NE 1/4, 769' FNL, 699' FEL, SEC 21, T.5S, R.4W
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 UTE 14-20-H62

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
 UTE TRIBAL 1-21

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC 21, T.5S, R.4W

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20.7 MILES SOUTH OF MYTON, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 699'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1600'

19. PROPOSED DEPTH 5920'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6412

22. APPROX. DATE WORK WILL START*
 APRIL 15, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

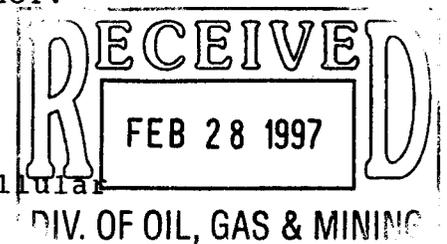
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8-5/8	24	280	TO SURFACE
7-7/8	5 1/2	15.5	5920'	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
 PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Doug Barone
 PO Box 290
 Neola, UT 84053

801-353-4625 office / 801-828-6116 cellular



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 Doug Barone TITLE Production Supervisor DATE 2-10-97

(This space for Federal or State office use)

PERMIT NO. 43-013-31836 APPROVAL DATE _____

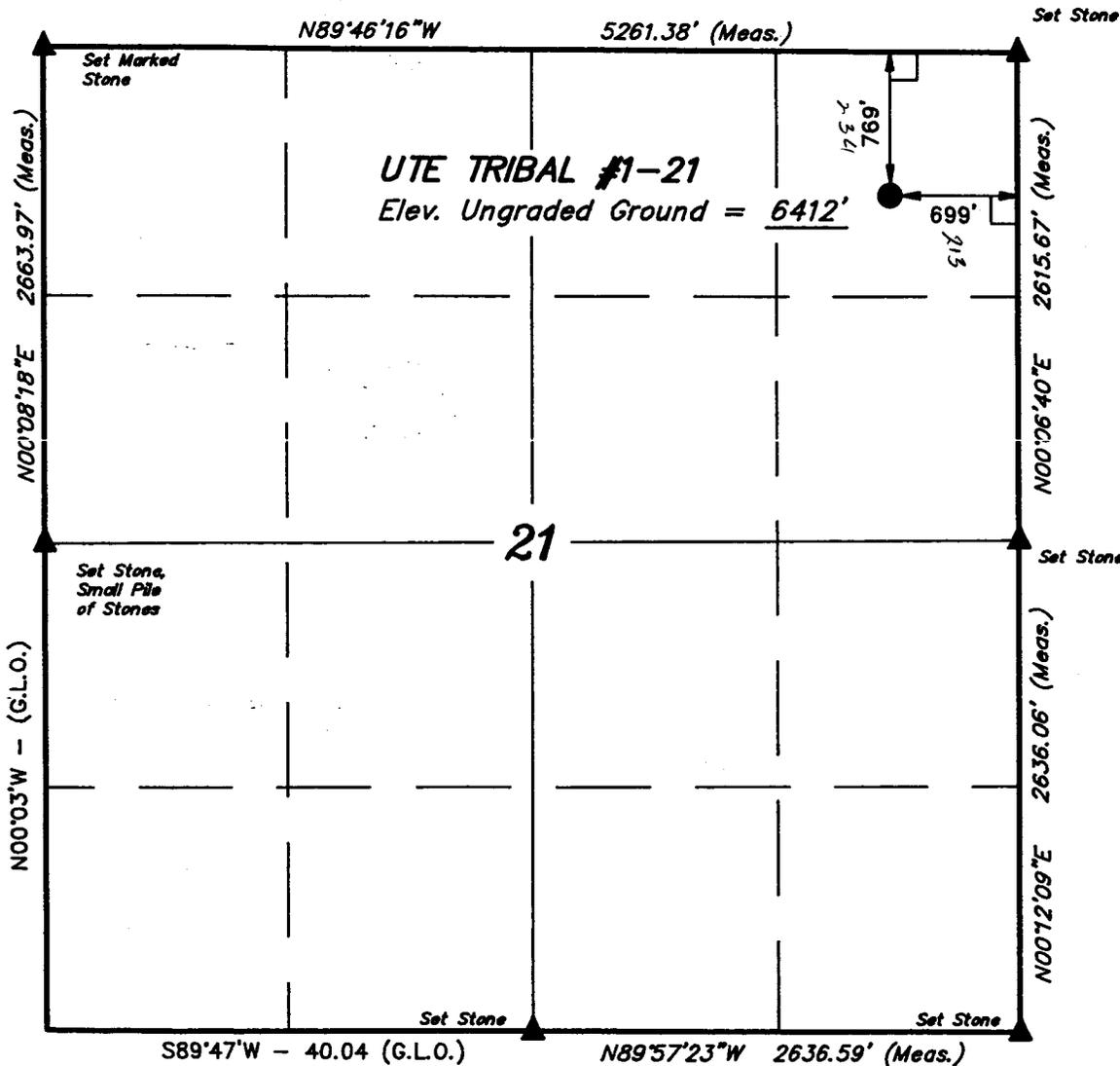
APPROVED BY John R. Dyer TITLE Associate Director Utah DOLM DATE 11/24/97

*See Instructions On Reverse Side

T5S, R4W, U.S.B.&M.

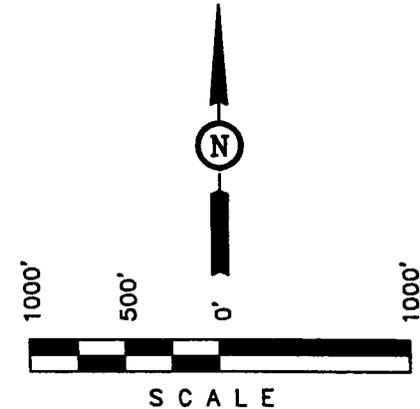
BARRETT RESOURCES CORPORATION

Well location, UTE TRIBAL #1-21, located as shown in the NE 1/4 NE 1/4 of Section 21, T5S, R4W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6098 FEET.



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 L. Gray
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-22-96	DATE DRAWN: 11-5-96
PARTY D.A. M.S. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BARRETT RESOURCES CORP.	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SECTION 16, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR N00°03'W.

SELF-CERTIFICATION STATEMENT

THE FOLLOWING SELF -CERTIFICATION STATEMENT IS PROVIDED PER FEDERAL REQUIREMENTS DATED JUNE 15, 1988.

PLEASE BE ADVISED THAT BARRETT RESOURCES CORPORATION IS CONSIDERED TO BE THE OPERATOR OF THE FOLLOWING WELL.

WELL UTE TRIBAL 1-21
NE 1/4, NE 1/4, 769' FNL, 699' FEL SECTION 21, T.5 S, R. 4 W.
LEASE BIA-14-20-H62
DUCHESNE, COUNTY, UTAH

BARRETT RESOURCES CORP. IS RESPONSIBLE UNDER THE TERMS OF THE LEASE FOR THE OPERATIONS CONDUCTED UPON THE LEASE LANDS.



D.P. BARONE
PRODUCTION SUPERVISOR
BARRETT RESOURCES CORP.
BOX 290
NEOLA, UT. 84053
801-353-4625

HAZARDOUS MATERIAL DECLARATION

FOR WELL NO. UTE 1-21

LEASE NO. 14-20-H62

BARRETT RESOURCES CORP. GUARENTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, WE WILL NOT USE, PRODUCE, OR STORE, TRANSPORT OR DISPOSE 10,000# ANNUALLY OF ANY OF THE HAZARDOUS CHEMICALS CONTAINED IN THE ENVIRONMENTAL PROTECTION AGENCY'S CONSOLIDATED LIST OF CHEMICALS SUBJECT TO REPORTING UNDER TITLE III SUPER AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986.

BARRETT RESOURCES CORP. GUARANTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, WE WILL USE, PRODUCE, STORE, TRANSPORT, OR DISPOSE LESS THAN THE THRESHOLD PLANNING QUANTITY(TPQ) OF ANY EXTREMELY HAZARDOUS SUBSTANCES AS DEFINED IN 40 CFR 355.

TEN POINT PLAN

BARRETT RESOURCES CORPORATION

UTE TRIBAL 1-21

SURFACE LOCATION NE1/4, NE1/4, 769'FNL, 699' FEL, SECTION 21, T. 5 S., R. 4 W.

1. SURFACE FORMATION - UINTAH

2. ESTIMATED FORMATION TOPS AND DATUM:

<u>FORMATION</u>	<u>DEPTH</u>
Uintah	<u>Surface</u>
Green River	<u>1348'</u>
Oil Shale	<u>2635'</u>
Tgr3	<u>3671'</u>
Douglas Creek	<u>4445'</u>
Castle Peak	<u>5365' (+1060)</u>
Uteland Butte Ls	<u>5797'</u>
TD	<u>5920' TD</u>

3. PRODUCING FORMATION DEPTH:

FORMATION OBJECTIVE INCLUDE THE GREEN RIVER AND ITS SUBMEMBERS.

OFF SET WELLS: NONE

4. PROPOSED CASING:

<u>HOLE SIZE</u>	<u>CASING</u>	<u>WEIGHT/FT.</u>	<u>GRADE & THREAD</u>	<u>SET @</u>	<u>CASING</u>
12 1/2	8 5/8	24	J-55/STC	280	NEW/USED
7 7/8	5 1/2	15.5	J-55/LTC	5920' TD	NEW/USED

<u>CEMENT PROGRAM: SURFACE CASING</u>		<u>CEMENT</u>	<u>CEMENT AMOUNT</u>
8 5/8		CLASS G	150 SKS +20 %
	<u>CASING</u>		
5 1/2	FLUID 1 LEAD CMT	FLUID WT.	11.00 LB/GAL
	Type 5 HALLIBURTON	FLUID YIELD	3.81 FT3/ SKS
	.75% ECONOLITE (EXTENDER)	FLUID WATER RATIO	22.98 GAL/SKS
	.25 LB/SK FLOCELE (LOST CIRC.)	TOTAL MIXING FLUID	47.6 BBLS
	7.5 LB/SK GILSONITE (LOST CIRC.)	APPROX. TOP FLUID	2000 FT
	16 % HALLIBURTON GEL(EXTENDER)	CALCULATED FILL	1600 FT
	2 LB/SK GRANULITE		
	3 % SALT (3%) (ACCELERATOR)	FLUID VOLUME	57.4 BBLS
	.8 % HR-7 RETARDER	CALCULATED VOLUME	87.0 SKS.
	MIXED W/ FRESH WATER	PROPOSED VOLUME	87.0 SKS
5 1/2	FLUID 2 TAIL CMT 50:50 POZ	FLUID WT.	13.4 LB/GAL
	.2 % FWCA	FLUID YIELD	1.49 FT3/SKS
	.2% HALAD 322	FLUID WATER RATIO	7.27 GAL/SKS
	2 % HALLIBURTON GEL	TOTAL MIX FLUID	56 BBLS
	3% KCL (BWOW)	APPROX. TOP FLUID	3600
	3 LB/SK SILICALITE	CALC. FILL	2320
	1 LB/SK GRANULITE	FLUID VOLUME	83.6 BBLS
		CALC. VOLUME	324 SKS
		PROPOSED VOLUME	325 SKS

5. BOP AND PRESSURE CONTAINMENT DATA:

THE ANTICIPATED BOTTOM HOLE PRESSURE WILL BE LESS THAN 3000 PSI.

A 3000 PSI WP BOP SYSTEM AS DESCRIBED IN THE BOP AND PRESSURE CONTAINMENT DATA (ATTACHED) WILL BE INSTALLED AND MAINTAINED FROM THE 8 5/8 SURFACE CASING. THE BOP SYSTEM INCLUDING THE CASING WILL BE PRESSURE TESTED TO THE MINIMUM STANDARDS SET FORTH IN " ON SHORE ORDER #2". THE BOP WILL BE MECHANICALLY CHECKED DAILY DURING DRILLING OPERATION.

6. MUD PROGRAM:

INTERVAL	MUD WT. LBS/GAL	VISCOSITY SEC./QT.	FLUID LOSS MI/30 MINS	MUD TYPE
0-280	AIR/ CLEAR WATER	-----	NO CONTROL	WATER/GEL
280-2000	CLEAR WATER	-----	NO CONTROL	WATER/GEL
2000-TD	8.4 - 8.6	30	NO CONTROL	5 % KCL

7. AUXILIARY EQUIPMENT:

UPPER KELLY COCK, FULL OPENING STABBING VALVE, 2 1/2 CHOKE MANIFOLD AND PIT LEVEL INDICATOR.

8. TESTING, CORING, SAMPLING, AND LOGGING:

- A) TEST: NONE ARE ANTICIPATED
- B) CORING: THERE IS THE POSSIBILITY OF SIDEWALL CORING.
- C) SAMPLING: EVERY 10 FT FROM 2000 ' TO TD.
- D) LOGGING:
- | <u>TYPE</u> | <u>INTERVAL</u> |
|----------------------|----------------------|
| DLL/SFL W/GR AND SP | TD TO SURFACE CASING |
| FDC/CNL W/GR AND CAL | TD TO SURFACE CASING |

9. ABNORMALITIES (INCLUDING SOUR GAS):

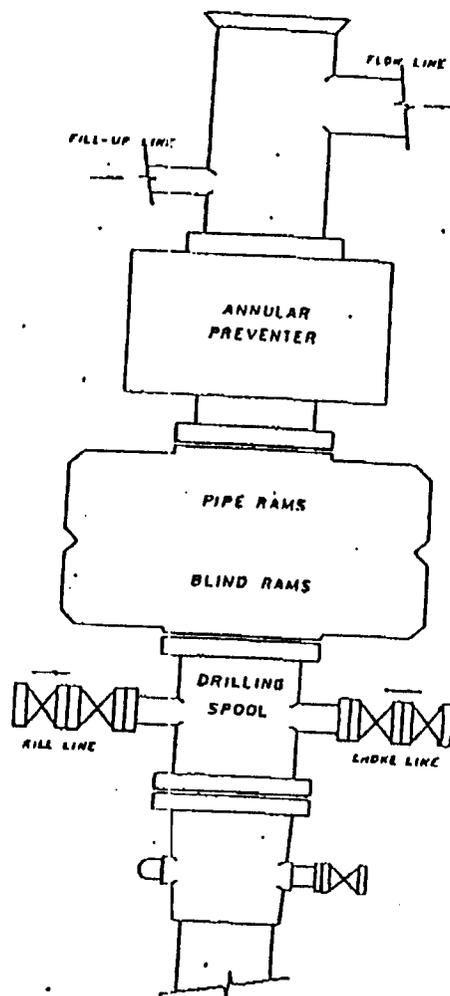
NO ABNORMAL PRESSURES OR TEMPERATURES OR OTHER HAZARDS ARE ANTICIPATED. OIL AND GAS SHOWS ARE ANTICIPATED IN THE GREEN RIVER FORMATION. OTHER WELLS IN THE AREA HAVE NOT ENCOUNTERED OVER- PRESSURED ZONES OR H2S.

10. DRILLING SCHEDULE:

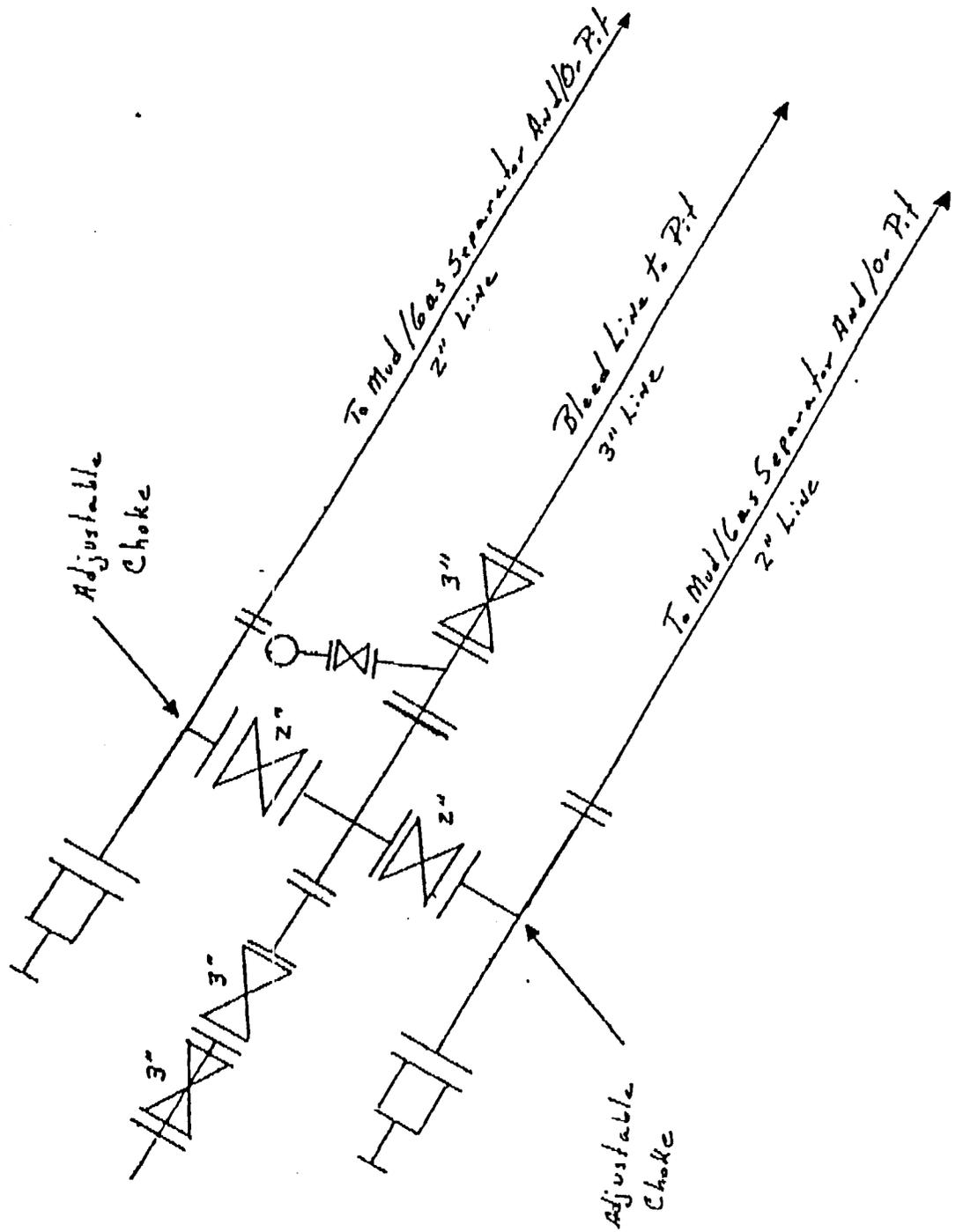
THE ANTICIPATED STARTING DATE IS April 15 , 1997. DURATION OF OPERATIONS IS EXPECTED TO BE 150 DAYS.

BOP AND PRESSURE CONTAINMENT DATA

1. BOP EQUIPMENT SHALL CONSIST OF A DOUBLE GATE, HYDRAULICALLY OPERATED PREVENTER WITH PIPE & BLIND RAMS OR TWO SINGLE RAM TYPE PREVENTERS, ONE EQUIPPED WITH PIPE RAMS, THE OTHER EQUIPPED WITH BLIND RAMS.
2. BOP'S ARE TO BE WELL BRACED WITH HAND CONTROLS EXTENDED CLEAR OF THE SUBSTRUCTURE.
3. ACCUMULATOR TO PROVIDE CLOSING PRESSURE IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE ALL COMPONENTS.
4. AUXILIARY EQUIPMENT: LOWER KELLY COCK, FULL OPENING STABBING VALVE, 2 1/2" CHOKE MANIFLOD, PIT LEVEL INDICATOR &/OR FLOW SENSORS WITH ALARMS.
5. ALL BOP EQUIPMENT, AUXILIARY EQUIPMENT, STAND PIPE, VALVES, & ROTARY HOSE TO BE TESTED TO THE RATE PRESSURE OF THE BOP'S AT THE TIME OF INSTALLATION & EVERY 30 DAYS THEREAFTER. BOP'S TO BE MECHANICALLY CHECKED DAILY.
6. MODIFICATION OF HOOK-UP OR TESTING PROCEDURE MUST BE APPROVED IN WRITING ON TOUR REPORTS BY WELLSITE REPRESENTATIVE.



3000 PSI CHOKE MANIFOLD EQUIPMENT



BARRETT RESOURCES CORPORATION

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION

UTE TRIBAL 1-21

LOCATED IN

NE 1/4, NE 1/4, 769' FNL, 699' FEL

SECTION 21, T 5 S. , R 4 W., U.S.B.M.

DUCHESNE COUNTY, UTAH

LEASE NUMBER: BIA 14-20-H62

SURFACE OWNERSHIP: UTE TRIBE

1. EXISTING ROADS

TO REACH THE BARRETT RESOURCES WELL, UTE TRIBAL 1-21 LOCATION, IN SECTION 21, T5S., R4W.

START IN MYTON, UTAH. PROCEED WEST ON US HIGHWAY 40, 8.8 MILES TO THE ANTILOPE CANYON ROAD. TURN SOUTH AND PROCEED 6.3 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 2.1 MILES. TURN SOUTH AT THE FORK IN THE ROAD AND PROCEED 3.5 MILES TO PROPOSED ACCESS ROAD.

THE EXISTING OILFIELD SERVICE ROAD MAY NEED SOME SURFACE MATERIAL TO PREVENT OR REPAIR HOLES IN THE ROAD DUE TO HEAVY TRUCK TRAFFIC DURING THE DRILLING AND COMPLETION OPERATION. IF REPAIRS ARE MADE THE OPERATOR WILL SECURE MATERIAL FROM PRIVATE SOURCES.

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

2. PLANNED ACCESS ROAD

APPROXIMATELY 2112 FEET OF NEW ROAD WILL BE REQUIRED.

DETAILS OF THE CONSTRUCTION ARE AS FOLLOWS;

LENGTH- 2112 FT (APPROX)

WIDTH- 32 FT(APPROX)

GRADE- 10% OR LESS

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS.

NO RIGHT OF WAY WILL BE REQUIRED. ALL NEW CONSTRUCTION WILL BE CONDUCTED ON LEASE.

ALL TRAVEL WILL BE CONFINED TO EXISTING ROAD RIGHT OF WAYS.

ACCESS ROADS AND SURFACE DISTURBING ACTIVITIES WILL CONFORM TO STANDARDS OUTLINED IN THE USGS PUBLICATION (1978) SURFACE OPERATION STANDARDS FOR OIL AND GAS DEVELOPEMENT.

3. LOCATION OF EXISTING WELLS

THE FOLLOWING WELLS ARE LOCATED WITHIN ONE MILE RADIUS OF THE LOCATION SITE.

A) PRODUCING WELLS:

OIL WELL	UTE TRIBAL 2-21, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 8-21, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 10-21, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 4-22, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 12-22, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 13-22, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 4-27, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 1-28, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 16-16, T. 5 S, R. 4 W.
OIL WELL	UTE TRIBAL 14-15, T. 5 S, R. 4 W.

B) WATER WELLS: NONE

C) ABANDONED WELLS : NONE

D) TEMPORARILY ABANDONED WELLS: NONE

E) DISPOSAL WELLS: NONE

F) DRILLING WELLS: NONE

G) SHUT IN WELLS: NONE

H) INJECTION WELLS: NONE

I) MONITORING OR OBSERVATION WELLS: NONE

PLEASE SEE ATTACHED MAP FOR ADDITIONAL DETAILS.

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

ALL PRODUCTION FACILITIES ARE TO BE CONTAINED WITHIN THE PROPOSED LOCATION SITE. PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, SEPERATOR INSTALL, AND WELLSITE PIPING CONNECTION.

ALL PERMANENT(ON SITE FOR SIX MONTHS OR LONGER) STRUCTURES CONSTRUCTED OR INSTALLED WILL BE PAINTED A DESERT BROWN COLOR. ALL FACILITIES WILL BE PAINTED WITHIN SIX MONTHS OF INSTALLATION. FACILITIES REQUIRED TO COMPLY WITH O.S.H.A. (OCCUPATIONAL SAFETY AND HELATH ACT) WILL BE EXCLUDED. THE REQUIRED PAINT COLOR IS DESERT BROWN(10 YR 6/4)

THE TANK BATTERY WILL BE SURROUNDED BY A DIKE OF SUFFUCIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY. THE INTEGRITY OF THE DIKE WILL BE MAINTAINED.

ALL SITE SECURITY GUIDELINE'S IDENTIFIED IN 43 CFR 3126.7 REGULATION WILL BE ADHERED TO.

AL OFF LEASE STORAGE, OFF-LEASE MEASUREMENT, OR COMMINGLING ON LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.

THE GAS LINE HAS BEEN STAKED ON THE GROUND. THERE WILL BE NO ADDITIONAL SURFACE DISTUBANCES REQUIRED FOR THE INSTALLATION OF A GATHERING LINE.

GAS METER RUNS WILL BE LOCATED WITHIN 100 FT OF THE WELL HEAD. THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELLHEAD TO THE METER. METER RUNS WILL BE HOUSED AND/OR FENCED.

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED IN PLACE PRIOR TO ANY DELIVERIES. TESTS FOR THE METER ACCURACY WILL BE CONDUCTED MONTHLY FOR THE FIRST THREE MONTHS ON NEW METER INSTALLATIONS AND AT LEAST QUARTERLY THEREAFTER.

THE AUTHORIZED OFFICER 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 REPORT WILL BE SUBMITTED TO THE VERNAL DISTRICT OFFICE. ALL MEASUREMENT FACILITIES WILL CONFORM WITH API AND AGA STANDARDS FOR GAS AND LIQUID HYDROCARBON MEASUREMENT.

5. LOCATION AND TYPE OF WATER SUPPLY

WATER FOR THE WELL WILL BE HAULED BY TRUCK FROM JIM NEBEKER'S (JOE SHIELDS) POND. WATER FOR COMPLETION WILL COME FROM THE SAME PONDS OR FROM ROOSEVELT CITY. A WATER WELL IS PLANNED FOR USE IN THIS AREA. A WATER USE AGREEMENT IS ALSO IN PLACE WITH UTE TRIBE.

6. SOURCE OF CONSTRUCTION MATERIALS

ALL CONSTRUCTION MATERIAL FOR THIS LOCATION SITE AND ACCESS ROAD SHALL BE BORROW MATERIAL ACCUMULATED DURING CONSTRUCTION OF THE LOCATION SITE AND ACCESS ROAD. ADDITIONAL GRAVEL OR PIT LINING MATERIAL WILL BE OBTAINED FROM PRIVATE SOURCES.

7. METHODS FOR HANDLING WASTE DISPOSAL

A) PIT CONSTRUCTION AND LINERS:

THE RESERVE PIT WILL BE APPROX. 10 FT DEEP AND AT LEAST ONE-HALF OF THE DEPTH SHALL BE BELOW THE SURFACE OF THE EXISTING GROUND.

THE RESERVE PIT WILL BE LINED WITH A 12 MIL PIT LINER. THE PIT LINER WILL BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACKFILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACKFILLED.

ONE-HALF OF THE PIT WILL BE USED AS A FRESH WATER STORAGE AREA DURING THE DRILLING OF THIS WELL AND THE OTHER ONE-HALF WILL BE USED TO STORE NON-FLAMABLE MATERIALS SUCH AS CUTTINGS, SALT, DRILLING FLUIDS, CHEMICALS, PRODUCED FLUIDS, ETC.

B) PRODUCED FLUIDS:

PRODUCED WATER WILL BE CONFINED TO THE RESERVE PIT, OR IF DEEMED NECESSARY, A STORAGE TANK FOR A PERIOD NOT TO EXCEED 90 DAYS AFTER INITIAL PRODUCTION. DURING THE 90 DAY PERIOD AN APPLICATION FOR APPROVAL FOR A PERMANENT DISPOSAL METHOD AND LOCATION WILL BE SUBMITTED TO THE AUTHORIZED OFFICER.

C) GARBAGE:

A TRASH CAGE, FABRICATED FROM EXPANDED METAL WILL BE USED TO HOLD TRASH ON LOCATION AND WILL BE REMOVED TO AN AUTHORIZED LANDFILL LOCATION.

D) A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

E) SITE CLEAN-UP:

AFTER THE RIG IS MOVED OUT, THE AREA AROUND THE WELLSITE WILL BE CLEANED AND ALL REFUSE REMOVED.

8. ANCILLARY FACILITIES

THERE ARE NO ANCILLARY FACILITIES PLANNED FOR AT THIS TIME AND NONE ARE FORESEEN IN THE FUTURE.

9. WELLSITE LAYOUT

LOCATION DIMENSION ARE AS FOLLOW:

A) PAD LENGTH-	300 FT
B) PAD WIDTH-	140 FT
C) PIT DEPTH-	10 FT
D) PIT LEGTH-	180 FT
E) PIT WIDTH-	70 FT
F) MAX CUT-	25.8 FT
G) MAX FILL-	18.1 FT
H) TOTAL CUT YARDS-	13,360 CU YDS
I) PIT LOCATION-	SOUTH CORNER OF LOCATION
J) TOP SOIL LOCATION-	NORHT WEST OF LOCATION
K) ACCESS ROAD LOCATION-	FROM THE SOUTH WEST
L) FLARE PIT-	WEST CORNER OF LOCATION

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS.

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING STANDARDS:

A) 39 INCH NET WIRE SHALL BE USED WITH AT LEAST ONE STRAND OF WIRE ON TOP OF THE NET WIRE (BARBED WIRE IS NOT NECESSARY IF PIPE OR SOME TYPE OF REINFORCEMENT ROD IS ATTACHED TO THE TOP OF THE ENTIRE FENCE.)

B) THE NET WIRE SHALL BE NO MORE THAN 2 INCHES ABOVE THE GROUND. THE BARBED WIRE SHALL BE 3 INCHES ABOVE THE NET WIRE. TOTAL HEIGHT OF THE FENCE SHALL BE AT LEAST 42 INCHES.

C) CORNER POSTS SHALL BE CEMENTED AND/OR BRACED IN SUCH A MANNER TO KEEP THE FENCE TIGHT AT ALL TIMES.

D) STANDARD STEEL, WOOD OR PIPE POSTS SHALL BE USED BETWEEN THE CORNER BRACES. DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 16 FT.

E) ALL WIRE SHALL BE STRETCHED, BY USING A STRETCHING DEVICE, BEFORE IT IS ATTACHED TO THE CORNER POSTS.

10. PLANS FOR RESTORATION OF THE SURFACE

PRIOR TO THE CONSTRUCTION OF THE LOCATION, THE TOP 12 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED. THIS WILL AMOUNT TO 2,020 CUBIC YARDS OF MATERIAL. PLACEMENT OF THE TOP SOIL IS NOTED ON THE ATTACHED LOCATION PLAT. WHEN ALL DRILLING AND COMPLETION ACTIVITIES HAVE BEEN COMPLETED THE UNUSED PORTION OF THE LOCATION(THE AREA OUTSIDE THE DEADMEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE AREA.

THE DIRT CONTRACTOR WILL BE PROVIDED WITH AN APPROVED COPY OF THE SURFACE USE PLAN PRIOR TO CONSTRUCTION ACTIVITIES. ANY DRAINAGE REROUTED DURING THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE.

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS. PRIOR TO BACKFILLING THE PIT, THE FENCES AROUND THE RESERVE PIT WILL BE REMOVED. THE PIT LINER WILL BE CUT OFF AT THE WATER OR MUD LINE AND DISPOSED OF AT AN APPROVED LANDFILL SITE. THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACKFILLING OF THE RESERVE PIT.

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION. IF THE RESERVE PIT HAS NOT DRIED SUFFICIENTLY TO ALLOW BACKFILLING AN EXTENSION ON THE TIME REQUIREMENT FOR BACKFILLING THE PIT WILL BE REQUESTED. ONCE RECLAMATION ACTIVITIES HAVE BEGUN, THEY SHALL BE COMPLETED WITHIN 30 DAYS.

AFTER THE RESERVE PIT HAS BEEN RECLAIMED NO DEPRESSIONS IN THE SOIL COVERING THE RESERVE PIT WILL BE ALLOWED. THE OBJECTIVE IS TO KEEP SEASONAL RAINFALL AND RUN OFF FROM SEEPING INTO THE SOIL USED TO COVER THE RESERVE PIT. DIVERSION DITCHES AND WATER BARS WILL BE USED TO DIVERT RUN OFF AS NEEDED.

WHEN RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE LOCATION SITE AND NEW ACCESS ROAD CUTS AND SHOULDERS SHALL BE RESEDED. PRIOR TO RESEEDING, ALL DISTURBED AREAS, INCLUDING THE OLD ACCESS ROAD, WILL BE SCARIFIED AND LEFT WITH A ROUGH SURFACE.

A) RECOMMENDED SEED MIXTURE:

RUSSION RYE 6# PER ACRE. FAIRWAY CRESTED WHEAT GRASS 6# PER ACRE.

B) SEEDING DATES:

AFTER SEPTEMBER 15, AND BEFORE THE GROUND FREEZES.

SEED WILL BE BROADCAST OR DRILLED AT THE TIME SPECIFIED BY THE BLM. IF BROADCAST, A HARROW OR SOME OTHER IMPLEMENT WILL BE DRAGGED OVER THE SEEDED AREA TO ASSURE SEED COVERAGE AND THE SEED MIXTURE WILL BE PROPORTIONATELY LARGER(DOUBLE THE LBS. PER ACRE).

AT SUCH TIME THE WELL IS PLUGGED AND ABANDONED THE OPERATOR WILL SUBMIT A SURFACE RECLAMATION PLAN TO THE SURFACE MANAGEMENT AGENCY FOR PRESCRIBED SEED MIXTURE AND RESEEDING REQUIREMENTS.

11. SURFACE OWNERSHIP: THE UTE TRIBE

12. OTHER INFORMATION

A) VEGETATION:

THE TREES IN THE AREA ARE CEDAR AND PINION. THE VEGETATION COVERAGE IS SLIGHT. THE MAJORITY OF THE EXISTING VEGETATION IS MADE UP OF RABBIT, SAGE, AND BITTER BRUSH. ALSO FOUND ON THE LOCATION IS PRICKLY PEAR, INDIAN RICE GRASS, AND YUCCA.

B) DWELLINGS:

THERE ARE NO OCCUPIED DWELLINGS, OR OTHER FACILITIES WITHIN A ONE MILE RADIUS OF THIS LOCATION.

C) ARCHAEOLOGY:

THE LOCATION HAS BEEN SURVEYED AND THERE IS NO ARCHAEOLOGICAL, HISTORICAL, OR CULTURAL SITES NEAR THE PROPOSED SITE. PLEASE SEE THE ATTACHED ARCHAEOLOGICAL CLEARANCE MAP.

IF, DURING OPERATIONS, ANY ARCHAEOLOGICAL OR HISTORICAL SITES, OR ANY OBJECTS OF ANTIQUITY (SUBJECT TO THE ANTIQUITIES ACT OF JUNE 8, 1906) ARE DISCOVERED, ALL OPERATIONS WHICH WOULD AFFECT SUCH SITES ARE TO BE SUSPENDED AND THE DISCOVERY REPORTED PROMPTLY TO THE SURFACE MANAGEMENT AGENCY.

D) WATER:

THE NEAREST WATER IS IN THE BOTTOM OF SOWERS CANYON 2 MILES TO THE NORTH.

E) WOOD:

NO WOOD PERMIT WILL BE REQUIRED FOR THIS LOCATION. BARRETT RESOURCES HAS A JOINT VENTURE AGREEMENT WITH THE UTE TRIBE. THIS AGREEMENT MAKES IT UNNECESSARY FOR BARRETT RESOURCES TO OBTAIN A WOOD PERMIT. PLEASE SEE THE JOINT VENTURE AGREEMENT, BETWEEN ZINKE & TRUMBO LTD. WHICH HAS BEEN ASSIGNED TO BARRETT RESOURCES, IF YOU REQUIRE ADDITIONAL INFORMATION.

F) CHEMICALS:

NO PESTICIDES, HERBICIDES OR OTHER POSSIBLE HAZARDOUS CHEMICALS SHALL BE USED WITHOUT PRIOR APPLICATION.

G) NOTIFICATION:

a) BLM, VERNAL, UT. STAN OLMSTEAD 801-789-1362, 24 TO 48 HRS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

b) BIA, FT. DUCHESNE, UT, CHARLIE CAMERON 801-722-2406, 24 TO 48 HRS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE, UT, FERRON SECAKUKU 801-722-4992, 24 TO 48 HRS BEFORE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

H) FLARE PIT:

THE FLARE PIT WILL BE LOCATED 120 FEET FROM THE RESERVE PIT FENCE AND 130 FEET FROM THE BORE HOLE ON THE NORTH AND WEST SIDE OF THE LOCATION, BETWEEN POINTS 5 AND 6 ON THE LOCATION PLAT. ALL FLUIDS WILL BE REMOVED FROM THE PIT WITHIN 48 HOURS OF OCCURANCE.

I) GRAZING PERMITTEE:

UTE TRIBAL LIVESTOCK ENTERPRIZES
FT. DUCHESNE, UT
801-722-2406

13. LESSEES OR OPERATORS REPRESENTATIVE AND CERTIFICATION

A) REPRESENTATIVE

NAME: DOUG BARONE

ADDRESS: BARRETT RESOURCES CORP. BOX 290
NEOLA, UT 84053

PHONE: 801-353-4625

CELLULAR: 801-828-6116

ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS. THE APPLICABLE LAWS, REGULATIONS, AND ANY APPLICABLE NOTICES TO LESSEES. THE OPERATOR IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE FIELD REPRESENTATIVE TO ENSURE COMPLIANCE.

THE 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 OPERATIONS.

B) CERTIFICATION:

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILLSITE 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 AND BELIEF, TRUE AND CORRECT; AND THAT THE WORK ASSOCIATED WITH THE OPERATION PROPOSED HEREIN WILL BE PERFORMED BY BARRETT RESOURCES AND ITS CONTRACTORS AND SUBCONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH THE PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

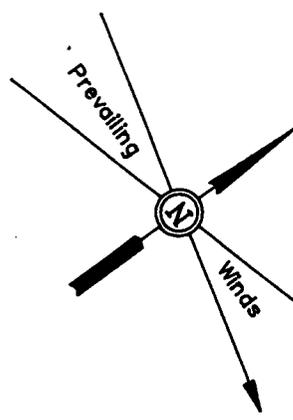
DATE 2-10-97


Doug Barone
Production Supervisor
Barrett Resources Corp.

BARRETT RESOURCES CORPORATION

LOCATION LAYOUT FOR

UTE TRIBAL #1-21
SECTION 21, T5S, R4W, U.S.B.&M.
769' FNL 699' FEL



SCALE: 1" = 50'
DATE: 11-5-96
DRAWN BY: D.R.B.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

C-23.5'
El. 424.4'
(Btm. Pit)

C-5.2'
El. 416.1'

F-3.4'
El. 407.5'

F-7.4'
El. 403.5'

Topsoil Stockpile

Sta. 3+00

Sta. 1+50

F-7.0'
El. 403.2'

Sta. 0+00

C-25.8'
El. 426.7'
(Btm. Pit)

C-5.1'
El. 416.0'

F-0.9'
El. 410.0'

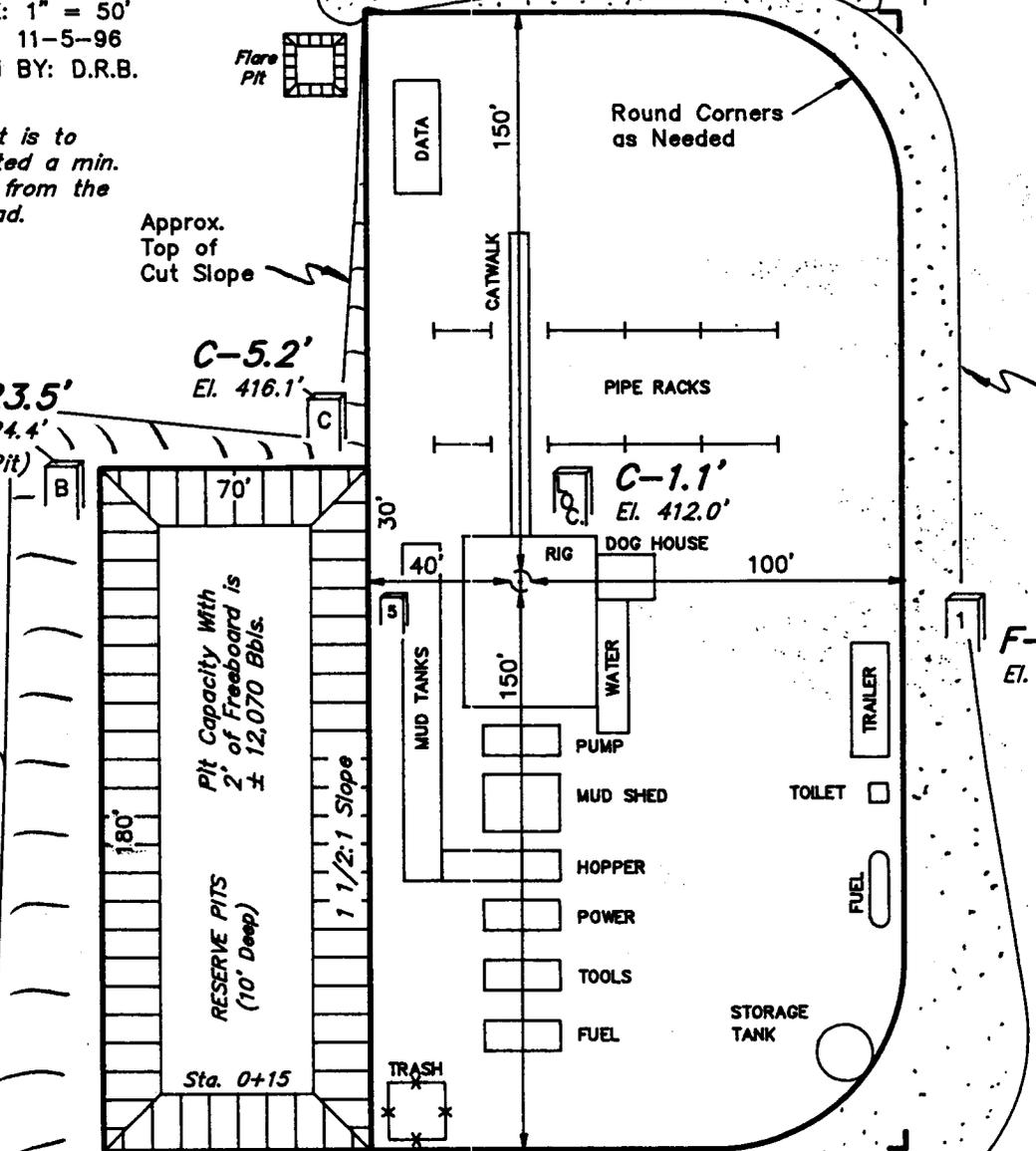
F-18.1'
El. 392.8'

Reserve Pit Backfill & Spoils Stockpile

Proposed Access Road

Elev. Ungraded Ground at Location Stake = 6412.0'
Elev. Graded Ground at Location Stake = 6410.9'

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



BARRETT RESOURCES CORPORATION

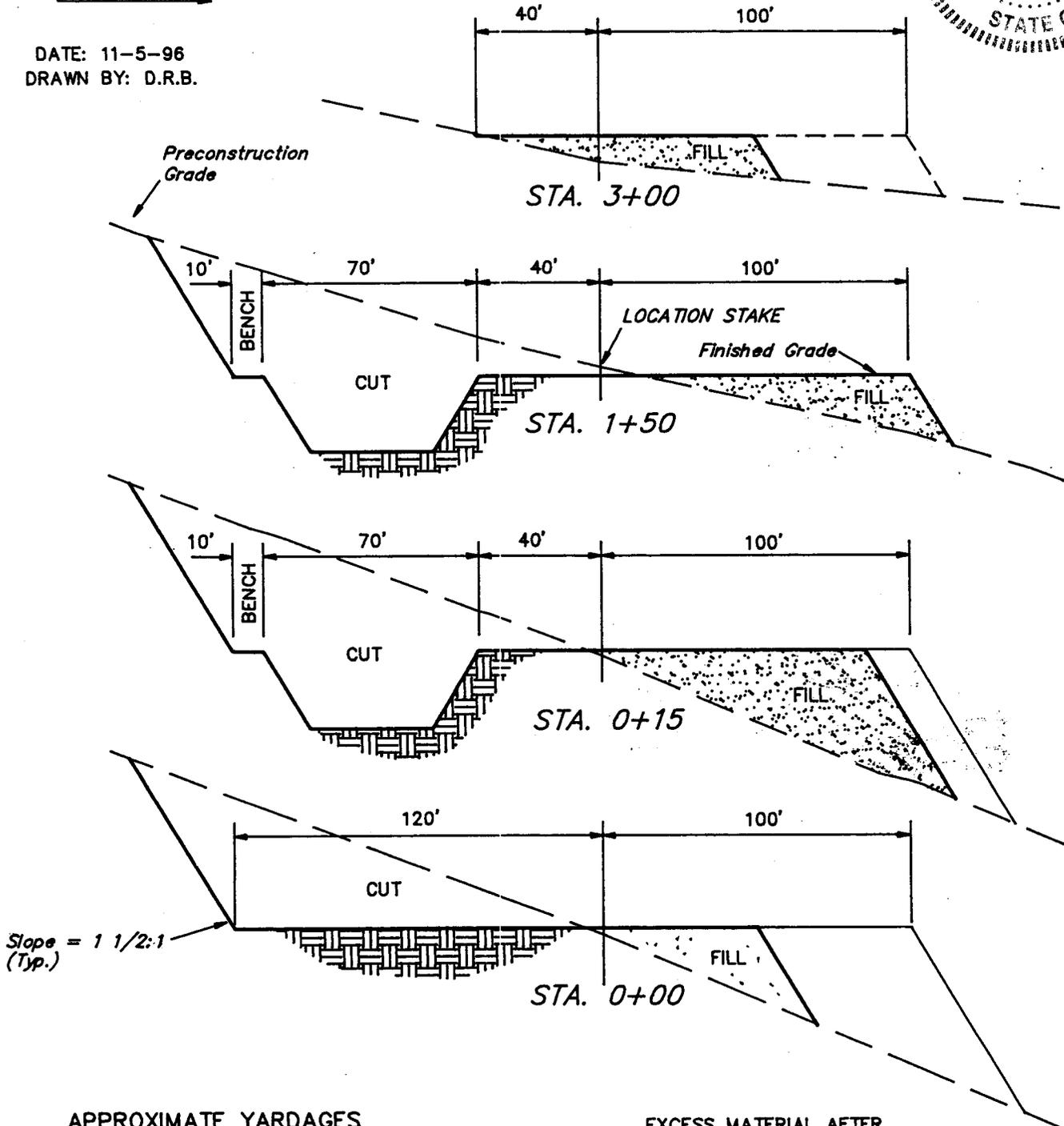
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #1-21
SECTION 21, T5S, R4W, U.S.B.&M.
769' FNL 699' FEL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 11-5-96
DRAWN BY: D.R.B.

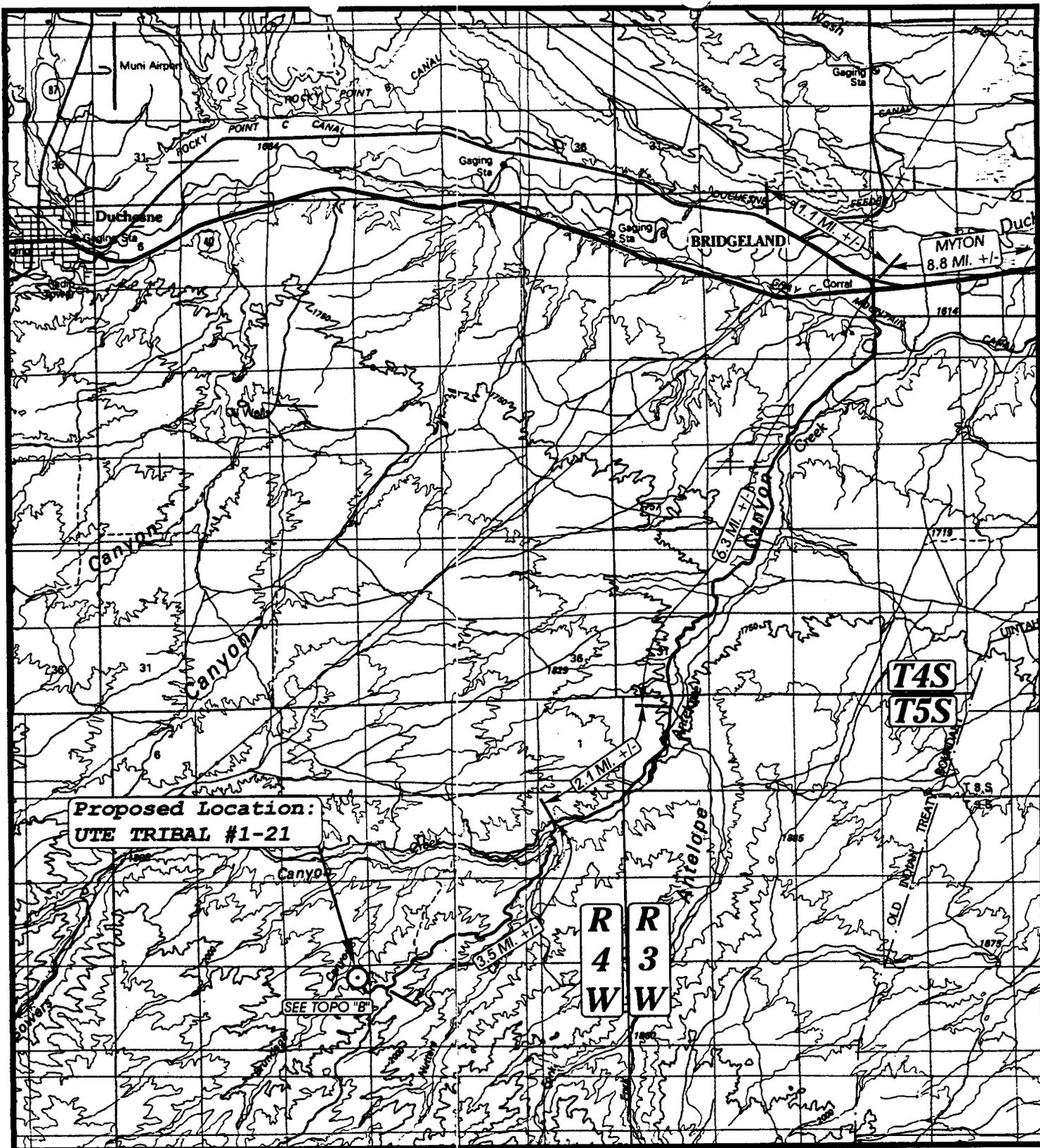


APPROXIMATE YARDAGES

CUT		
(12") Topsoil Stripping	=	2,020 Cu. Yds.
Remaining Location	=	11,340 Cu. Yds.
TOTAL CUT	=	13,360 CU.YDS.
FILL	=	8,700 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	3,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,710 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

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85 So. 200 East • Vernal, Utah 84078 • (801) 788-1017



Proposed Location:
UTE TRIBAL #1-21

R
4
W

R
3
W

T4S
T5S

UELS

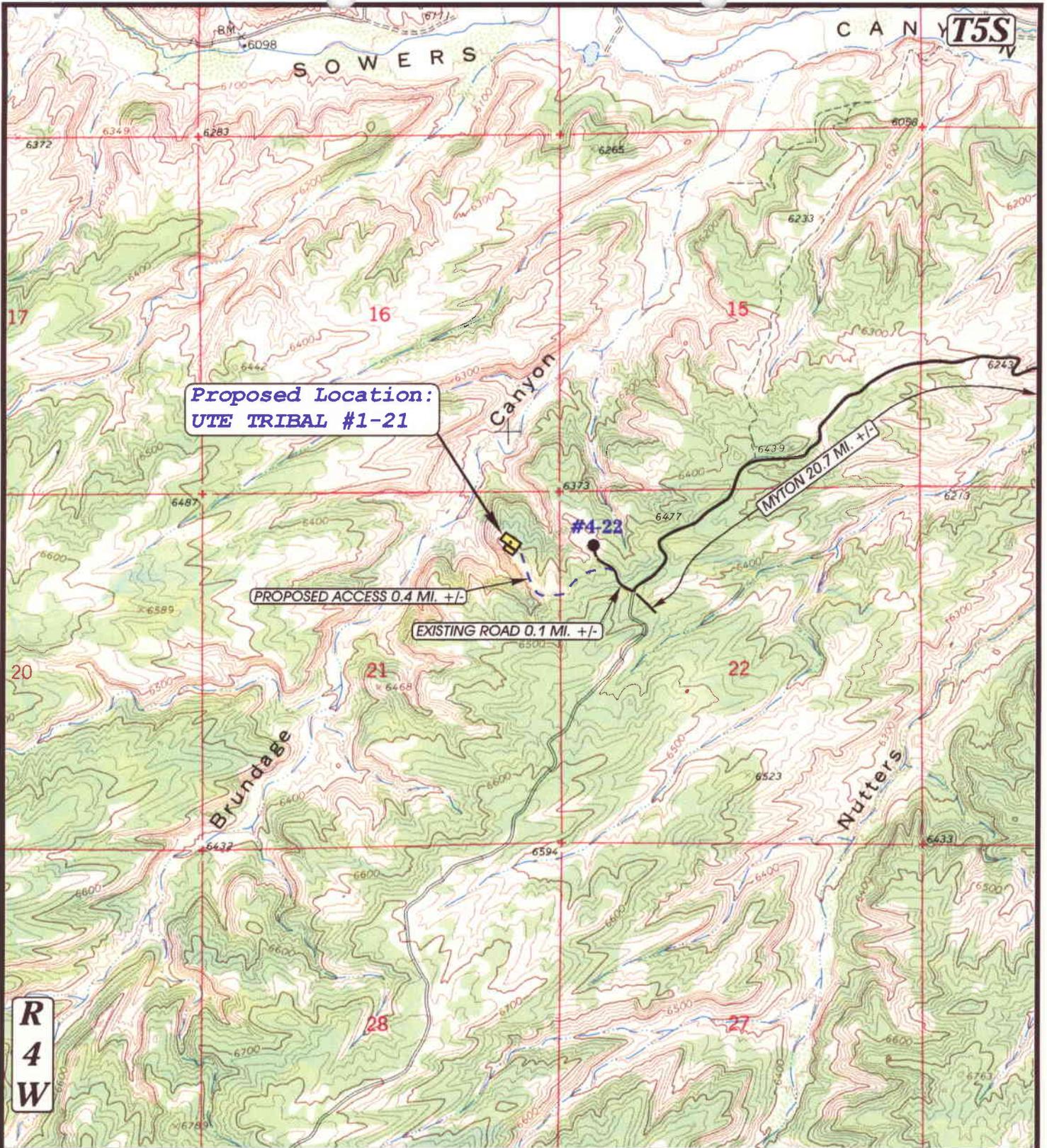
**TOPOGRAPHIC
MAP "A"**

DATE: 11-9-96
Drawn by: D.COX



BARRETT RESOURCES CORPORATION

UTE TRIBAL #1-21
SECTION 21, T5S, R4W, U.S.B.&M.
769' FNL 699' FEL



**Proposed Location:
UTE TRIBAL #1-21**

PROPOSED ACCESS 0.4 MI. +/-

EXISTING ROAD 0.1 MI. +/-

MYTON 20.7 MI. +/-

#4-22

**R
4
W**

**TOPOGRAPHIC
MAP "B"**

**DATE: 11-9-96
Drawn by: D.COX**



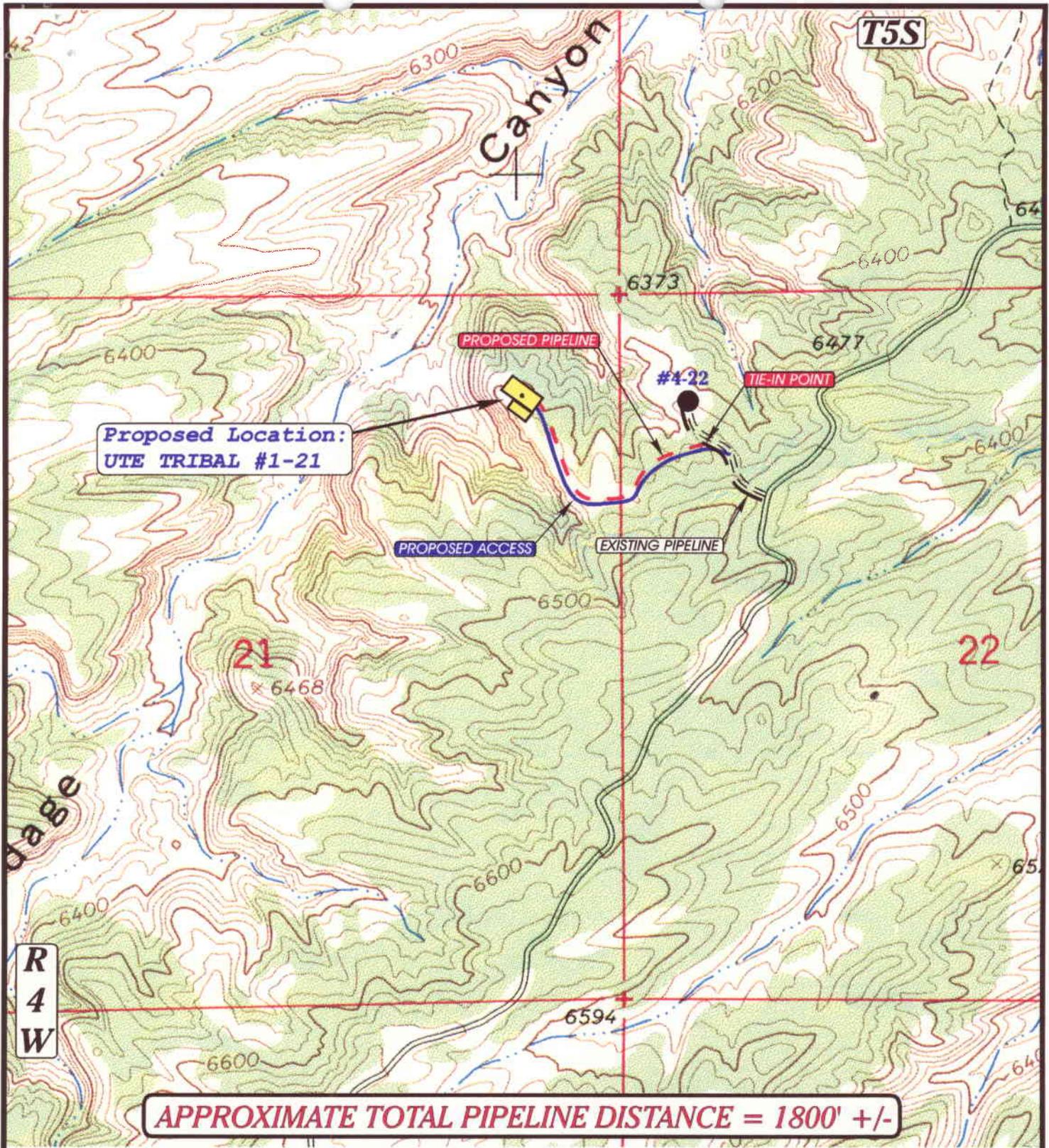
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SCALE: 1" = 2000'

BARRETT RESOURCES CORPORATION

**UTE TRIBAL #1-21
SECTION 21, T5S, R4W, U.S.B.&M.
769' FNL 699' FEL**



**TOPOGRAPHIC
MAP "C"**



- — — Existing Pipeline
- - - Proposed Pipeline



BARRETT RESOURCES CORPORATION

**UTE TRIBAL #1-21
SECTION 21, T5S, R4W, U.S.B.&M.**

**DATE: 11-9-96
Drawn by: D.COX**

SCALE: 1" = 1000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/28/97

API NO. ASSIGNED: 43-013-31836

WELL NAME: UTE TRIBAL 1-21
OPERATOR: BARRETT RESOURCES (N9305)

PROPOSED LOCATION:
NENE 21 - T05S - R04W
SURFACE: 0769-FNL-0699-FEL
BOTTOM: 0769-FNL-0699-FEL
DUCHESNE COUNTY
BRUNDAGE CANYON FIELD (072)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-

PROPOSED PRODUCING FORMATION: GRR✓

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (Number 6/01757342)
 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
 (Number COMMERCIAL SUPPLY)
 RDCC Review (Y/N)
 (Date: _____)

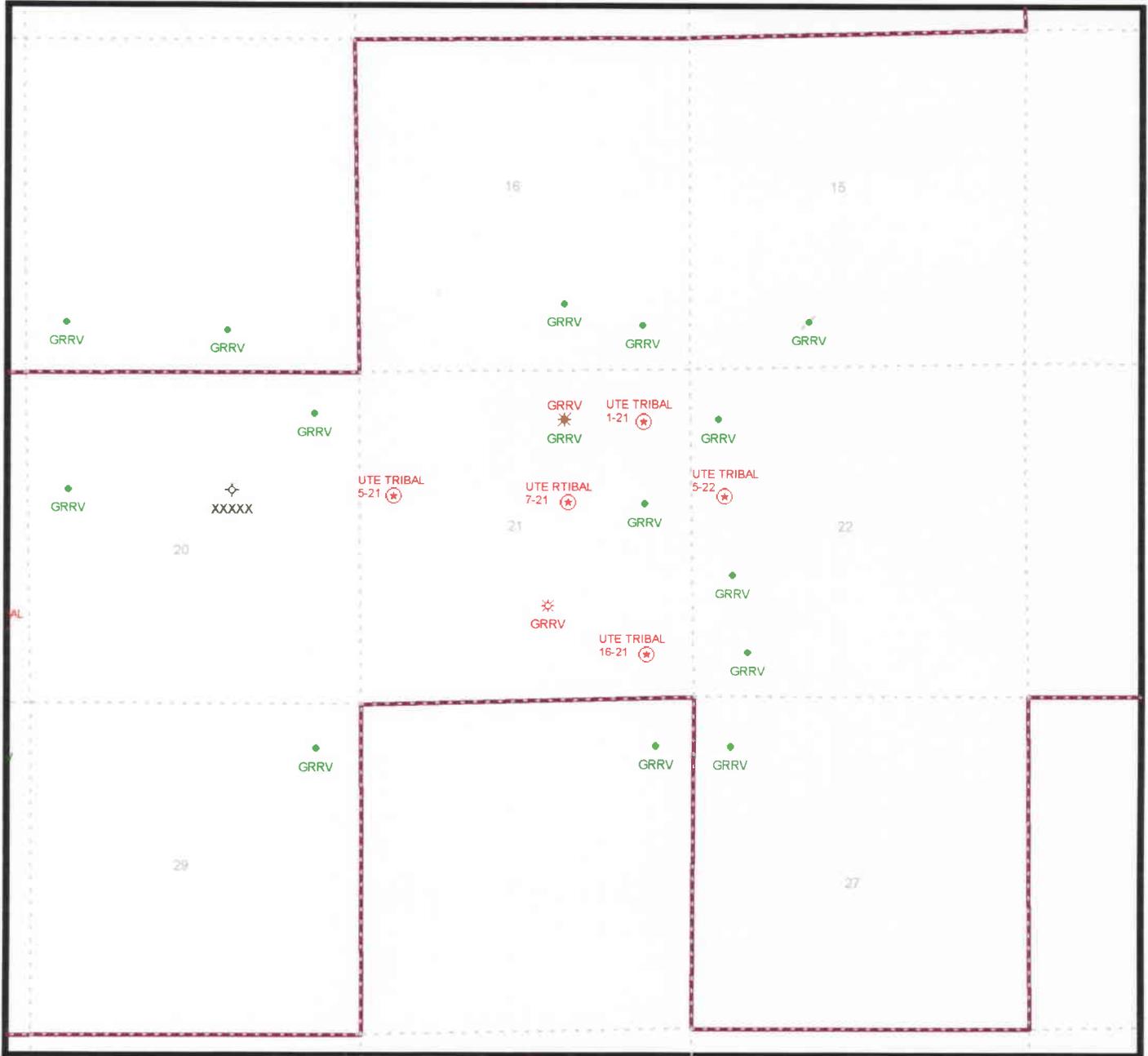
LOCATION AND SITING:

____ R649-2-3. Unit: _____
 R649-3-2. General.
 ____ R649-3-3. Exception.
 ____ Drilling Unit.
 ____ Board Cause no: _____
 ____ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: BARRETT (N9305)
FIELD: BRUNDAGE CANYON (072)
SEC, TWP, RNG: 21 & 22, T5S, R4W
COUNTY: DUCHESNE
UAC: R649-3-2



PREPARED:
DATE: 3-MAR-97

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
UTE 14-20-H62-3414

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
UTE TRIBAL 1-21

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
SEC 21, T.5S, R.4W

12. COUNTY OR PARISH | 13. STATE
Duchesne | Utah

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
Barrett Resources Corp

3. ADDRESS OF OPERATOR
PO BOX 290, Neola, UT 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
NE 1/4, NE 1/4, 769' FNL, 699' FEL, SEC 21, T.5S, R.4W
At proposed prod. zone
43-013-31836

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20.7 MILES SOUTH OF MYTON, UT

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 699'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1600'

19. PROPOSED DEPTH 5920'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6412

22. APPROX. DATE WORK WILL START* APRIL 15, 1997

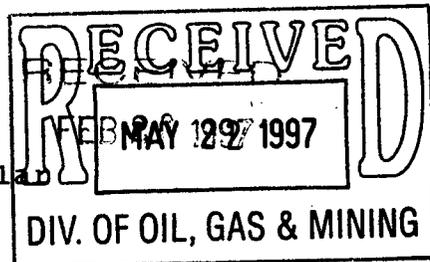
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8-5/8	24	280	TO SURFACE
7-7/8	5 1/2	15.5	5920'	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Doug Barone
PO Box 290
Neola, UT 84053
801-353-4625 office / 801-828-6116 cellular



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 Doug Barone TITLE Production Supervisor DATE 2-10-97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Jerry Kenna TITLE ACTING Assistant Field Manager Mineral Resources DATE MAY 14 1997
CONDITIONS OF APPROVAL, IF ANY

CONDITIONS OF APPROVAL ATTACHED

DOEM 44080-7M-152

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Barrett Resources Corp.

Well Name & Number: Ute Tribal 1-21

API Number: 43-013-31836

Lease Number: 14-20-H62-3414

Location: NENE Sec. 21 T. 5 S R. 4 W

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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 Orders, 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to running the next casing string or requesting plugging orders**. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable 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

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone identified at ± 627 ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

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

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to ± 427 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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. One copy 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 AO.

6. Notifications of Operations

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 Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

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.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

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 five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

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 AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (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.

7. Other Information

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

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

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 following initial installation 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 Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover 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.

"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 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne P. Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
Jerry Kenczka Petroleum Engineer	(801) 789-1190
BLM FAX Machine	(801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATIONS
Conditions of Approval (COAs)**

The Surface Use Conditions of Approval all come from the Bureau of Indian Affairs Concurrence Memorandum and Site Specific Environmental Analysis.

The Ute Tribe Energy and Mineral Department is to be notified 48 hours prior to construction. A Tribal Technician is to monitor construction.

Thirty (30) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 22 feet, except as granted for sharp curves or intersections or where deep cuts are required for road construction.

Barrett will assure the Ute Tribe that any/all contractors and subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains from subsurface deposits are exposed or identified during construction.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners.

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Barrett Resources Corporation so that a Tribal Technician can verify Affidavit of Completion's.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 24, 1997

Barrett Resources Corporation
P.O. Box 290
Neola, Utah 84053

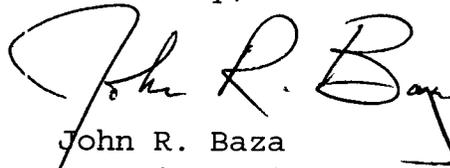
Re: Ute Tribal 1-21 Well, 769' FNL, 699' FEL, NE NE, Sec. 21,
T. 5 S., R. 4 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31836.

Sincerely,


John R. Baza
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Barrett Resources Corporation
Well Name & Number: Ute Tribal 1-21
API Number: 43-013-31836
Lease: Ute 14-20-H62
Location: NE NE Sec. 21 T. 5 S. R. 4 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
UTE 14-20-H62-3414

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

UTE TRIBAL 1-21

10. FIELD AND POOL, OR WILDCAT

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

SEC 21, T.5S, R.4W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

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

Barrett Resources Corp

3. ADDRESS OF OPERATOR

PO BOX 290, Neola, UT 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

NE 1/4, NE 1/4, 769' FNL, 699' FEL, SEC 21, T.5S, R.4W
At proposed prod. zone

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

20.7 MILES SOUTH OF MYTON, UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any) 699'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

1600'

19. PROPOSED DEPTH

5920'

20. ROTARY OR CABLE TOOLS

Rotary

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

6412

22. APPROX. DATE WORK WILL START*

APRIL 15, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8-5/8	24	280	TO SURFACE
7-7/8	5 1/2	15.5	5920'	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Doug Barone
PO Box 290
Neola, UT 84053

RECEIVED
FEB 20 1997

JUL 01 1998 801-353-4625 office / 801-828-6116 cellular

DIV. OF OIL, GAS & MINING

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 Doug Barone TITLE Production Supervisor DATE 2-10-97

(This space for Federal or State office use)

PERMIT NO. 43-013-31836

APPROVAL DATE

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY

ACTING

Assistant Field Manager
Mineral Resources

DATE MAY 14 1997

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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.

From: Margie Herrmann <mherrman@ut.blm.gov>
To: <nrogm.dstaley@state.ut.us>
Date: Thu, Mar 4, 1999 1:24 PM
Subject: Permits to be rescinded? - Reply

*APD Approval
 Extensions
 per
 Margie Herrmann -
 BLM Vernal -*

Hi Don,

Below is a list of permitted Federal and Indian lease wells that are due to be rescinded per our records and permit dates. Could you let me know what the status of these wells is. Thanks! --
 In answer to your request.
 Margie

=====

Barrett Resources expires 5/14/99
 Ute Tribal 1-21
 21-5S-4W
 43-013-31836

Barrett Resources expires 5/14/99
 Ute Tribal 16-21
 21-5S-4W
 43-013-31839

Coastal expires 11/17/99
 CIGE 223-1-10-22
 1-10S-22E
 43-047-32983

Coastal expires 11/17/99
 CIGE 226-3-10-21
 3-10S-21E
 43-047-32995

Coastal expires 11/8/99
 CIGE 206-4-10-21
 4-10S-21E
 43-047-32996

Inland Production expired 1/28/99
 Monument Federal 21-22-9-16Y letter being done
 22-9S-16E
 43-013-31727

Inland Production expired 2/25/99
 West Point 10-31-8-16 letter being done
 31-8S-16E
 43-013-31772

Inland Production expired 2/18/99
 Monument Butte Federal 12-27 letter being done
 27-8S-16E
 43-013-31919

Inland Production expired 1/22/99

Well File

*



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:

3160

UT08300

May 17, 1999

Barrett Resources Corporation.
P. O. Box 290
Neola, Utah 84053

Re: Notification of Expiration
Well No. Ute Tribal 1-21
NENE, Section 21, T5S, R4W
Lease No. 14-20-H62-3414
Duchesne County, Utah

43-013-31836

Gentlemen:

The Application for Permit to Drill the above-referenced well was approved on May 14, 1997. Barrett Resources Corporation requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until May 14, 1999. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann
Legal Instruments Examiner

cc: State Div. OG&M

DSGM
'LA'
DATE

