

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS	WELL LOG	ELECTRIC LOGS	FILE	X	WATER SANDS	LOCATION IN STATE	SHEET REPORT (adj)
DATE FILED	FEBRUARY 18, 1994						
LAND FEE & PATENTED	STATE LEASE NO.	PUBLIC LEASE NO.				INDIAN BIA	
DRILLING APPROVED	APRIL 28, 1994					14-20-H62-3528	
SPACED IN							
COMPLETED	PUT TO PRODUCING						
INITIAL PRODUCTION							
GRAVITY API							
GPR							
FRIGIDITY TESTS							
TOTAL DEPTH							
WELL ELEVATION							
DATE ABANDONED	LWD 5-23-95						
FIELD	BRUNDAGE CANYON FIELD						
COUNTY	NA						
CITY	DUCHE SNE						
WELL NO.	Z & T UTE TRIBAL 11-19				API NO. 43-013-31438		
LOCATION	1859' FNL	FT FROM N IS LINE	2205' FEL	FT FROM E1 W LINE	SW NE	19	14 SEC
BHL	1771' ESL		1425' FWL		NE NW	19	

DA	FR	FE	OPERATOR	TWT	WGS	SFC	OPERATION
55	4W	19	ZINKE & TRUMBO LTD				

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
 Zinke & Trumbo, Ltd

3 ADDRESS OF OPERATOR
 1202 East 33rd St., Suite 100, Tulsa, OK 74105

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface
 1859' FML, 2205' FEL SW 1/4 NE 1/4, Sec. 19, T5S, R4W
 At proposed bottom hole:
 1771' FEL, 2300' FWL, NE 1/4, NW 1/4, Sec 19, T5S, R4W

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles South and West of Myton, Utah

15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, F (Also to nearest drig. unit hole, if any)
 1859'

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
 100' surf
 880' prod.

19 PROPOSED DEPTH
 7000'

20 ROTARY OR CABLE TOOLS
 Rotary

21 ELEVATIONS (Show whether DF, RT, GR, etc.)
 6714 GR

22 APPROX DATE WORK WILL START*
 Nov. 15, 1993

5 LEASE DESIGNATION AND SERIAL NO*
 BIA 14 20 H62 3528

6 IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute Tribe

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME

9 WELL NO

10 FIELD AND POOL, OR WILDCAT
 Z&T Ute Tribal 11-19

11 SEC, T, R, M, OR BLK AND SURVEY OR AREA
 Sec. 19, T5S, R4W

12 COUNTY OR PARISH
 Duchesne

13 STATE
 Utah

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	90	6 yds - surf
12 1/4	8 5/8	24 3/4	800	690 sx - surf
7 7/8	5 1/2	15.5	T D.	875 sx - T.D. - 2000'

Cmt will cover the oil shale.

Operator requests permission to drill the subject well. Please see the attached 10 point and 13 point surf use plan.

If you require additional information, please contact:

WILLIAM A. RYAN
 ROCKY MOUNTAIN CONSULTING (801) 789-0968
 350 South, 800 East Fax (801) 789-0970
 Vernal, UT 84078

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.

SIGNED William A Ryan TITLE PETROLEUM ENGINEER DATE 9/20/93

(This space for Federal or State office use)

PERMIT NO 13 213 31438 APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL IF ANY _____

*4/28/94
JAY Matthews
R619-3-3*

*See Instructions On Reverse Side

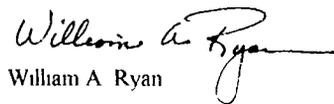
Zinke & Trumbo Ltd hold lease # BIA 14-20-H62-3528 The lease is 640 acres and includes all of section 19 The bottom hole location will be at 1771 14' FSL and 1425 14' FWL For additional details as to the bottom hole location at varying depths please see Wilson's down hole information

Zinke & Trumbo Ltd respectfully asks for a spacing exception for the subject well The spacing exception is requested so the operator can drill a directional hole The directional hole will be used by the operator to confirm the existence of a fracture network in the area

Zinke & Trumbo Ltd's lease bond is a letter of credit Please see a copy attached

If you require additional information please feel free to give me a call

Yours Truly,


William A Ryan

enc

dishhdfile11 25 dev

WELL 11-19 SURFACE LOCATION FOR DIRECTIONAL HOLE
 DISK#8FILE 11-19DEV

MD	TVD	N/S	E/W	FNL	FEL	FSL	FWL
3185	3185	0	0	1859	2205	3421	3075
3200	3200	0 02	0 02	1859 02	2205 02	3420 98	3074 98
3300	3299 93	1 43	1 43	1860 43	2206 43	3419 57	3073 57
3400	3399 85	4 99	4 99	1863 99	2209 99	3416 01	3070 01
3500	3499 51	10 71	10 71	1869 71	2215 71	3410 29	3064 29
3600	3598 89	18 57	18 57	1877 57	2223 57	3402 43	3056 43
3700	3697 88	28 58	28 58	1887 58	2233 58	3392 42	3046 42
3800	3796 39	40 72	40 72	1899 72	2245 72	3380 28	3034 28
3900	3894 33	54 99	54 99	1913 99	2259 99	3366 01	3020 01
4000	3991 61	71 36	71 36	1930 36	2276 36	3349 64	3003 64
4100	4088 14	89 82	89 82	1948 82	2294 82	3331 18	2985 18
4200	4183 82	110 36	110 36	1969 36	2315 36	3310 64	2964 64
4300	4278 57	132 96	132 96	1991 96	2337 57	3288 04	2942 04
4400	4372 3	157 59	157 59	2010 59	2362 59	3263 41	2917 41
4500	4464 93	184 24	184 24	2043 24	2389 24	3236 76	2890 76
4600	4556 36	212 87	212 87	2071 87	2417 87	3208 13	2862 13
4700	4646 51	243 46	243 46	2102 46	2448 46	3177 54	2831 54
4800	4735 3	275 99	275 99	2134 99	2480 99	3145 01	2799 01
4900	4822 64	310 42	310 42	2169 42	2515 42	3110 58	2764 58
5000	4908 46	346 72	346 72	2205 72	2551 72	3074 28	2728 28
5100	4992 66	384 85	384 85	2243 85	2589 85	3036 15	2690 15
5200	5075 18	424 78	424 78	2283 78	2629 78	2996 22	2650 22
5300	5155 94	466 48	466 48	2325 48	2671 48	2954 52	2608 52
5400	5234 86	509 91	509 91	2368 91	2714 91	2911 09	2565 09
5500	5311 86	555 01	555 01	2414 01	2760 01	2865 99	2519 99
5600	5386 89	601 76	601 76	2460 76	2806 76	2819 24	2473 24
5700	5459 86	650 11	650 11	2509 11	2855 11	2770 89	2424 89
5756 43	5500 1	678 08	678 08	2537 08	2883 08	2742 92	2396 92
5800	5530 91	699 86	699 86	2558 86	2904 86	2721 14	2375 14
5900	5601 62	749 86	749 86	2608 86	2954 86	2671 14	2325 14
6000	5672 3J	799 86	799 86	2658 86	3004 86	2621 14	2275 14
6100	5743 04	849 86	849 86	2708 86	3054 86	2571 14	2225 14
6200	5813 75	899 86	899 86	2758 86	3104 86	2521 14	2175 14
6300	5884 46	949 86	949 86	2808 86	3154 86	2471 14	2125 14
6400	5955 17	999 86	999 86	2858 86	3204 86	2421 14	2075 14
6500	6025 88	1049 86	1049 86	2908 86	3254 86	2371 14	2025 14
6600	6096 59	1099 86	1099 86	2958 86	3304 86	2321 14	1975 14
6700	6167 3	1149 86	1149 86	3008 86	3354 86	2271 14	1925 14
6800	6238 02	1199 86	1199 86	3058 86	3404 86	2221 14	1875 14
6900	6308 73	1249 86	1249 86	3108 86	3454 86	2171 14	1825 14
7000	6379 44	1299 86	1299 86	3158 86	3504 86	2121 14	1775 14
7100	6450 15	1349 86	1349 86	3208 86	3554 86	2071 14	1725 14
7200	6520 86	1399 86	1399 86	3258 86	3604 86	2021 14	1675 14
7300	6591 57	1449 86	1449 86	3308 86	3654 86	1971 14	1625 14
7400	6662 28	1499 86	1499 86	3358 86	3704 86	1921 14	1575 14
7500	6732 99	1549 86	1549 86	3408 86	3754 86	1871 14	1525 14
7600	6803 7	1599 86	1599 86	3458 86	3804 86	1821 14	1475 14
7700	6874 41	1649 86	1649 86	3508 86	3854 86	1771 14	1425 14

ZINKE & TRUMBO LTD.
13 POINT SURFACE USE PLAN
FOR
WELL LOCATION
Z&T 11-19 FED.
LOCATED IN
S.W. 1/4, N.E. 1/4
SECTION 19, T.5 S., R.4 W., U.S.B.& M.
DUCHESNE COUNTY, UTAH
LEASE NUMBER: BIA-14-20-H62-3528
SURFACE OWNERSHIP: UTE TRIBE

1. EXISTING ROADS

TO REACH THE ZINKE & TRUMBO LTD. WELL, Z&T UTE TRIBAL 11-19 LOCATION, IN SECTION 19, T 5 S , R.4 W., FROM MYTON, UTAH.

STARTING IN MYTON, UTAH PROCEED WEST ON US HIGHWAY 40, 8 MILES TO THE ANTELOPE CANYON ROAD TURN SOUTH AND PROCEED 6.6 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 3.7 MILES TURN SOUTH ON AN OIL FIELD ACCESS ROAD AND PROCEED SOUTH 1.5 MILES TO THE FORK IN THE ROAD TURN RIGHT AT THE FORK IN THE ROAD AND PROCEED 3 MILES TO THE LOCATION

THE EXISTING OIL FIELD 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 SURFACING MATERIAL FROM PRIVATE SOURCES

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS

2. PLANNED ACCESS ROAD

NO ROAD CONSTRUCTION WILL BE REQUIRED THE PROPOSED WELL WILL BE DRILLED FROM AN EXISTING LOCATION

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS

NO RIGHT OF-WAY WILL BE REQUIRED ACCESS WILL BE VIA THE RIGHT-OF-WAY GRANTED FOR WELL 1-19 IN SECTION 19, T 5 S , R 4 W.

ALL TRAVEL WILL BE CONFINED TO EXISTING ACCESS 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 DEVELOPMENT

3. LOCATION OF EXISTING WELLS

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

A) PRODUCING WELLS

WELL 1-19 SECTION 19, T 5 S , R 4 W
WELL 7-19 SECTION 19, T 5 S , R 4 W
WELL 13-19 SECTION 19, T 5 S , R 4 W
WELL 1-30 SECTION 30, T 5 S , R 4 W

B) WATER WELLS

NONE

- C) ABANDONED WELLS-
 - WELL 15-24 SECTION 24, T.5 S., R 5 W.
 - WELL 7-20 SECTION 20, T 5 S., R 4 W
- 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 THE ATTACHED MAP FOR ADDITIONAL DETAILS

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

THE OPERATOR WILL USE THE PRODUCTION TANKS AND SOME OF THE PRODUCTION EQUIPMENT ON THE EXISTING 7-19 WELL LOCATION. ADDITIONAL PRODUCTION FACILITIES ARE TO BE CONTAINED WITHIN THE PROPOSED LOCATION SITE PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, AND SEPARATOR INSTALLATION AND WELL SITE 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 HEALTH 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 SUFFICIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY THE INTEGRITY OF THE DIKE WILL BE MAINTAINED

ALL LOAD LINES WILL BE PLACED INSIDE THE DIKE SURROUNDING THE TANK BATTERY

ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3162.7 REGULATION 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 AUTHORIZED OFFICER PLEASE NOTE THAT THE 7-19 AND THE PROPOSED 11-19 WELL ARE ON THE SAME LEASE

GAS METER RUNS WILL BE LOCATED WITHIN 500' OF THE WELL HEAD THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELL HEAD TO THE METER. METER RUNS WILL BE HOLED AND/OR FENCED

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED 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 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 REPORTS 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 DRILLING THIS WELL WILL BE HAULED BY TRUCK FROM THE JOE SHEILDS WATER PONDS. WATER FOR COMPLETION WILL COME FROM THE SAME PONDS OR FROM ROOSEVELT CITY

✓ PRIOR TO STARTING DRILLING OPERATIONS THE OPERATOR WILL REPORT TO THE BIA AND UTE TRIBE THE NAME OF THE WATER HAULER AND THE PERMIT UNDER WHICH WATER IS OBTAINED.

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. ADDITIONAL ROAD GRAVELS 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 APPROXIMATELY 8 FT DEEP AND AT LEAST ONE-HALF OF THIS 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 BACK FILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACK FILLED

ONE-HALF OF THE RESERVE 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-FLAMMABLE MATERIALS SUCH AS CUTTINGS, SALTS, 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 LAND FILL LOCATION

D) SEWAGE:

A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

E) SITE CLEAN-UP:

AFTER THE RIG IS MOVED OUT THE AREA AROUND THE WELL SITE WILL BE CLEANED AND ALL REFUSE REMOVED

8 ANCILLARY FACILITIES

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

9. WELL-SITE LAYOUT

LOCATION DIMENSIONS ARE AS FOLLOWS

A) PAD LENGTH	300 FT	
B) PAD WIDTH	140 FT	
C) PIT DEPTH	8 FT	
D) PIT LENGTH	150 FT	
E) PIT WIDTH	100 FT	
F) MAX CUT	21.2 FT	
G) MAX FILL	8 5 FT	
E) TOTAL CUT YDS	16,760 CU	YDS
F) PIT LOCATION	SOUTH WEST SIDE BETWEEN POINTS 4&5	
G) TOP SOIL LOCATION	BETWEEN D&6	
H) ACCESS ROAD LOCATION	BETWEEN D&6	
I) FLARE PIT	WEST OF CORNER D	

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING MINIMUM 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 REENFORCEMENT 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 MAXIMUM DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 16 FEET
- 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 CONSTRUCTION OF THE LOCATION, THE TOP 6 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED THIS WILL AMOUNT TO APPROXIMATELY 2,100 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 OUT SIDE THE DEAD MEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE DISTURBED 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 IT'S ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS

PRIOR TO BACK FILLING 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 LAND FILL SITE THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING OF THE RESERVE PIT

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION IF THE RESERVE PIT IS NOT DRY ENOUGH TO ALLOW BACK FILLING 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

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

A) RECOMMENDED SEED MIXTURE

INTERMEDIATE CRESTED WHEAT GRASS	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 AS 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 VEGETATION COVERAGE IS PINION AND JUNIPER WITH SLIGHT GROUND COVER OF MISCELLANEOUS SPECIES

B) DWELLINGS:

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

C) ARCHEOLOGY:

THE LOCATION HAS BEEN SURVEYED AND THERE ARE 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 1.5 MILES TO THE NORTH AND WEST

E) WOOD:

NO WOOD PERMIT WILL BE REQUIRED FOR THIS LOCATION ZINKE & TRUMO LTD HAS A JOINT VENTURE AGREEMENT WITH THE UTE TRIBE THIS AGREEMENT MAKES IT UNNECESSARY FOR ZINKE AND TRUMO TO OBTAIN A WOOD PERMIT PLEASE SEE THE JOINT VENTURE AGREEMENT IF YOU REQUIRE ADDITIONAL DETAILS

F) SIGNS:

THE APPROPRIATE SIGNS HAVE BEEN POSTED OR WILL BE WHEN CONSTRUCTION ACTIVITIES START

F) CHEMICALS:

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

G) NOTIFICATION:

a) BLM, VERNAL UT
RALPH BROWN
(801-789-1362)
24 TO 48 HOURS 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 HOURS BEFORE CONSTRUCTION OF THE LOCATION
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN

c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE

FERRON SECAKUKU

(801-722-4992)

24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION

ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN

H) FLARE PIT:

THE FLARE PIT WILL BE LOCATED A MINIMUM OF 30 FEET FROM THE RESERVE PIT FENCE AND 100 FEET FROM THE BORE HOLE ON THE SOUTH 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 OCCURRENCE.

I) GRAZING PERMITTEE:

UTE TRIBAL LIVE STOCK ENTERPRISES

FT DUCHESNE UT

(801-722-2406)

12 LESSEES OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

A) REPRESENTATIVE

NAME	WILLIAM A. RYAN
ADDRESS	ROCKY MOUNTAIN CONSULTING 350 SOUTH,, 800 EAST VERNAL UTAH 84078
TELEPHONE NO	801-789-0968
CELLULAR	801-823-6152
FAX	801-789-0970

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 INSURE COMPLIANCE

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 OPERATIONS

B) 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 STATEMENT 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 ZINKE & TRUMBO LTD. AND ITS CONTRACTORS AND SUB-CONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH THIS PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED

DATE 2/17/94


WILLIAM A RYAN
PETROLEUM ENGINEER
ROCKY MOUNTAIN CONSULTING

Ten Point Plan
Zinke & Trumbo LTD.
Z&T Ute Tribale 11-19

Surface Location SW 1/4, NE 1/4, Sec 19, T 5 S, R 4 W.
Location at T D NE 1/4, SW 1/4, Sec 19, T.5 S., R 4 W

1 Surface Formation

Uintah

2 Estimated Formation Tops and Datum

<u>Formation</u>	<u>Depth TVD</u>	<u>Depth Logger</u>	<u>Datum</u>
Uintah	Surface	0	6714' GL
Green River	1422'	1422'	5292'
Oil Shale	2607'	2607'	4107'
X Marker	4457'	4493'	2257'
Black Shale	5270'	5436'	1444'
Castle Peak Lime	5525'	5795'	1189'
Green River Lime	5939'	6386'	775'
Wasatch	6109'	6613'	605'
T D	7000'	7877'	-286'

3. Producing Formation Depth

Formation objectives include the Green River and the Wasatch

Off Set Well Information

Off Set well Well Ute Tribal 7-19

New Well Bore Direction S 45 degrees 00 min 00 sec W
Please see attached location plat for well bore location.

<u>Perforated Zone</u>	<u>Loggers Depth</u>	<u>Horizontal Distancedist Between Wells</u>	<u>Quarter Quarter Location</u>
Well 7-19	Well 11-19		
5405-5425	5650 +/-	880	SE/NW
5526-5532	5800 +/-	990	SE/NW
5544-5554	5840 +/-	1020	NE/SW
5598-5614	5900 +/-	1060	NE/SW
5653-5666	5970 +/-	1110	NE/SW
TD 6200	6750 +/-	1660	NE/SW
7000	T D 7877	2500	NE/SW

4. Proposed Casing Program

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Ft</u>	<u>GRADE & THREAD</u>	<u>Setting Depth</u>	<u>Casing New/Used</u>
17 1/2	13 3/8	54	H-40/STC	90	NEW
12 1/4	8 5/8	24 36	J-55/STC	800	NEW
7 7/8	5 1/2	15.5	J-55/STC	T.D	NEW

Cement program

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amount</u>	<u>Cement Yield</u>
13 3/8	Ready Mix, 8 sk Mix	6 yds	1 yd = 27 cu ft
8 5/8	Class G Litepoz III Bentonite Kolite Cellophane flake CaCL2	90 sk 600 sk	2.11 cu ft/sk 1.11 cu ft/sk
5 1/2	RFC cement Hilift Class G cement Salt Bentonite Chemical extender FAC fluid loss	325 sk 550 sk	1.61 cu ft/sk 3.91 cu ft/sk

5. BOP and Pressure Containment Data

The anticipated bottom hole pressure will be less than 3500 psi

A 5000 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 BOPs will be mechanically checked daily during drilling operations.

6. Mud Program

<u>Interval</u>	<u>Mud Weight lbs/gal</u>	<u>Viscosity Sec /Qt</u>	<u>Fluid Loss Ml/30 Mins.</u>	<u>Mud Type</u>
0-800'	Clear Water	----	No Control	Water/Gel
800-2000	Clear Water	----	No Control	Water/Gel
2000-5000	8 4-8 6	30	No Control	5% KCL
5000-TD	8 6-9 0	30-36	8/10	L.S.N.D. (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' from 800' to T.D.
- d) Logging:

<u>Type</u>	<u>Interval</u>
DLL/SFL W/GR and SP	T.D. to surf. csg.
FDC/CNL W/GR and CAL	T.D. to 800'

9. Abnormalities (including sour gas)

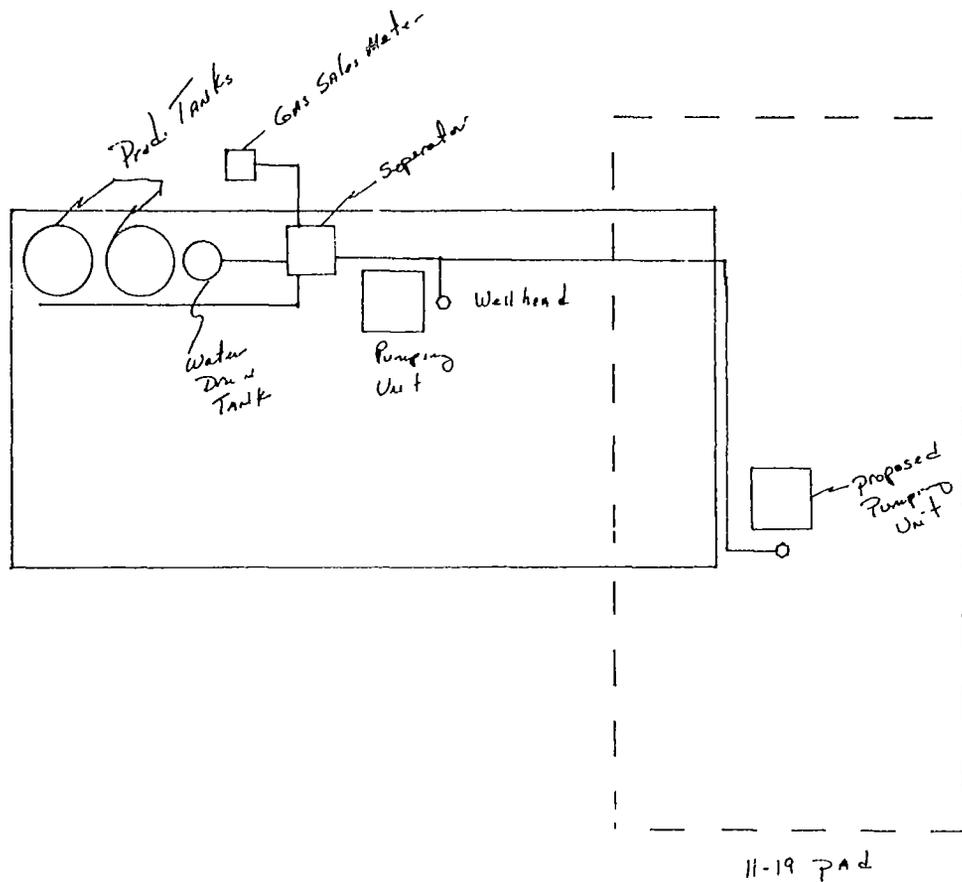
The subject well will be drilled as a **directional** hole. The well will be drilled in a south west direction and at a 0-45 degree angle from 3185 feet TVD to 5500 feet TVD. The well will be drilled at a 45 degree angle in a south westerly direction from 5500 feet TVD to T.D. (7000' TVD)

The surface location is on an existing location. The operator will take advantage of the existing production equipment.

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Green River and Wasatch Formations. The Wasatch formation has been over pressured on the north side of the Uintah Basin. A limited number of wells have been drilled through the Wasatch formation on the south side of the Basin. The wells that have been drilled did not encounter over pressured zones.

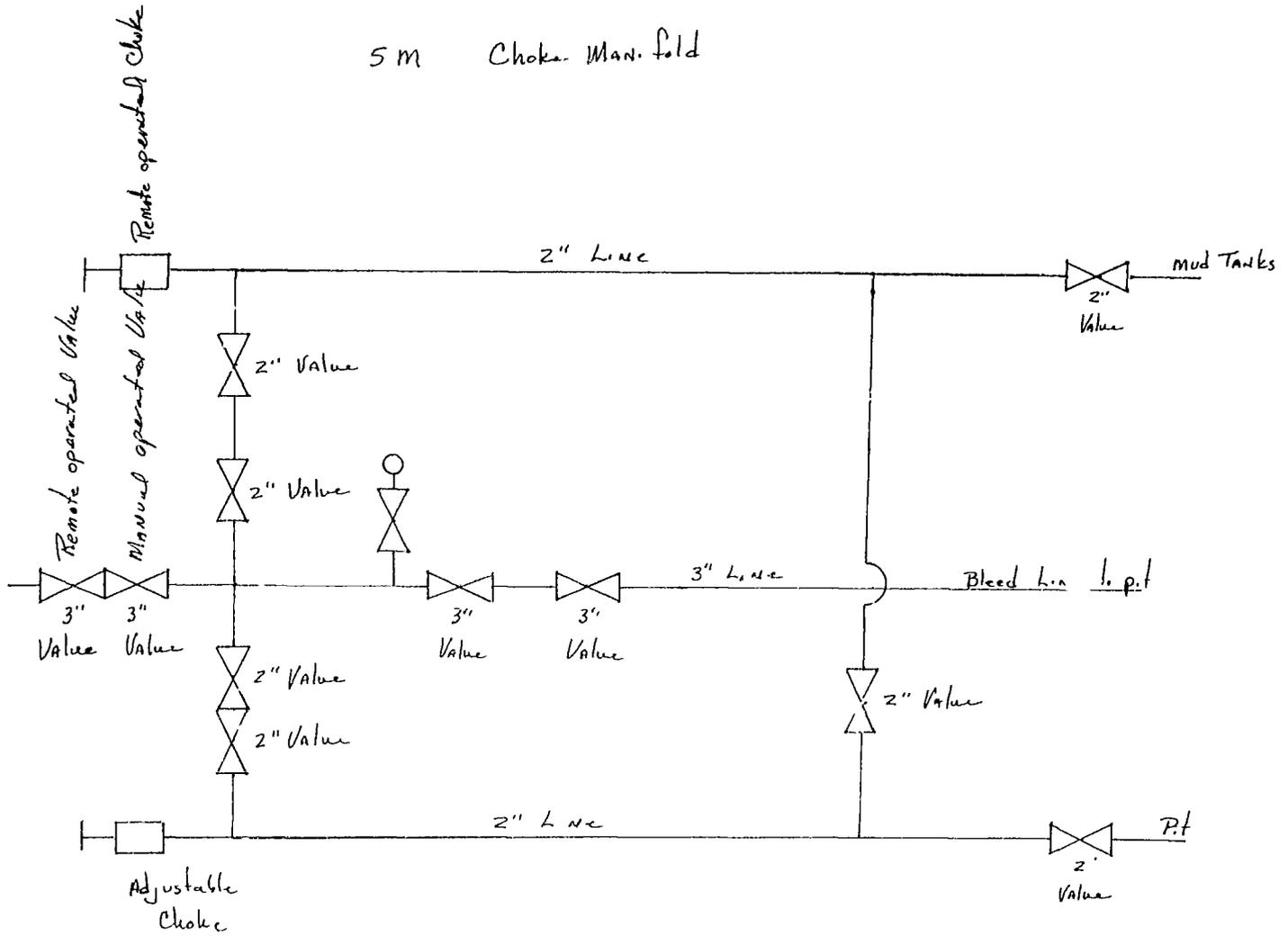
10. Drilling Schedule

The anticipated starting date is November 15, 1993. Duration of operations is expected to be 30 days



Well Pad Diagram 11-19

5M Choke Manifold



SELF-CERTIFICATION STATEMENT

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

PLEASE BE ADVISED THAT ZINKE & TRUMBO LTD IS CONSIDERED TO BE THE OPERATOR OF THE FOLLOWING PROPOSED WELL:

WELL Z&T UTE TRIBAL 11-19.

SW1/4 OF THE NE1/4

SECTION 19, TOWN SHIP 5 SOUTH, RANGE 4 WEST.

LEASE NUMBER IS BIA 14-20-1162-3528.

DUCHESNE COUNTY, UTAH

ZINKE & TRUMBO LTD IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED UPON THE LEASE LANDS.


WILLIAM A RYAN
AGENT FOR ZINKE & TRUMBO LTD
ROCKY MOUNTAIN CONSULTING
350 SOUTH 800 EAST
VERNAL, UT 84073
801-789-0968
801-789-0970 FAX

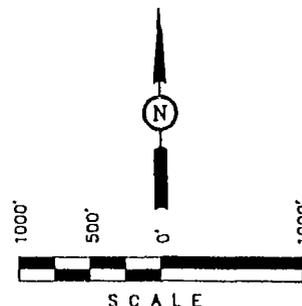
ZINKE & TRUMBO LTD.

Well location, Z&T UTE TRIBAL #11-19, located as shown in the SW 1/4 NE 1/4 of Section 19, T5S, R4W, U.S.B.&M. Duchesne County, Utah.

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

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 19, 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 6559 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.

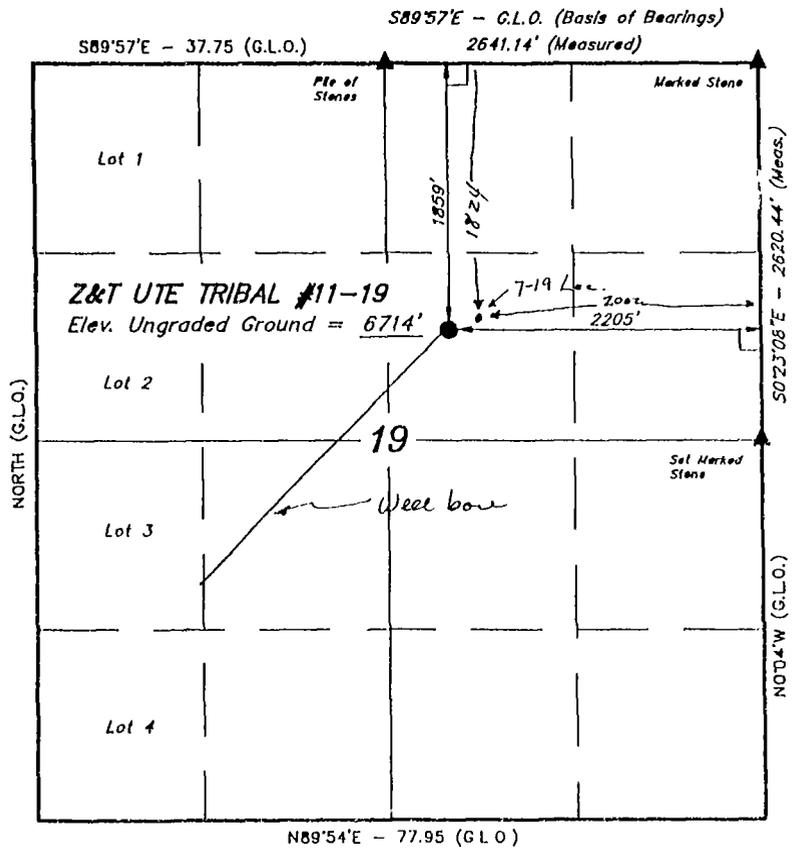
Robert L. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5709
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

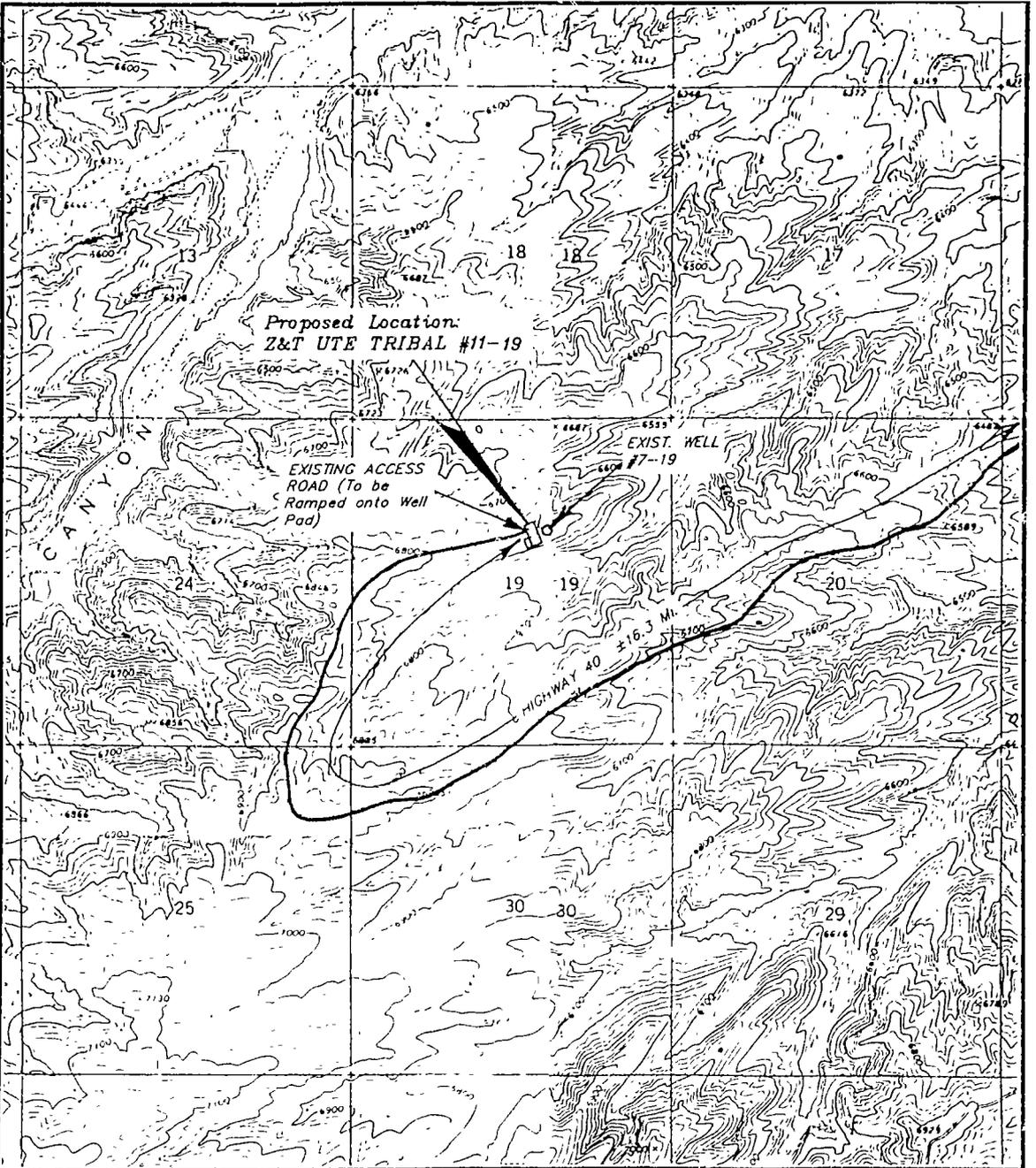
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 8-3-93	DATE DRAWN: 8-6-93
PARTY D.A. JJ R.E.H.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE	ZINKE & TRUMBO LTD.



LEGEND:

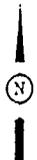
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED. (Brass Caps)



TOPOGRAPHIC
MAP "B"

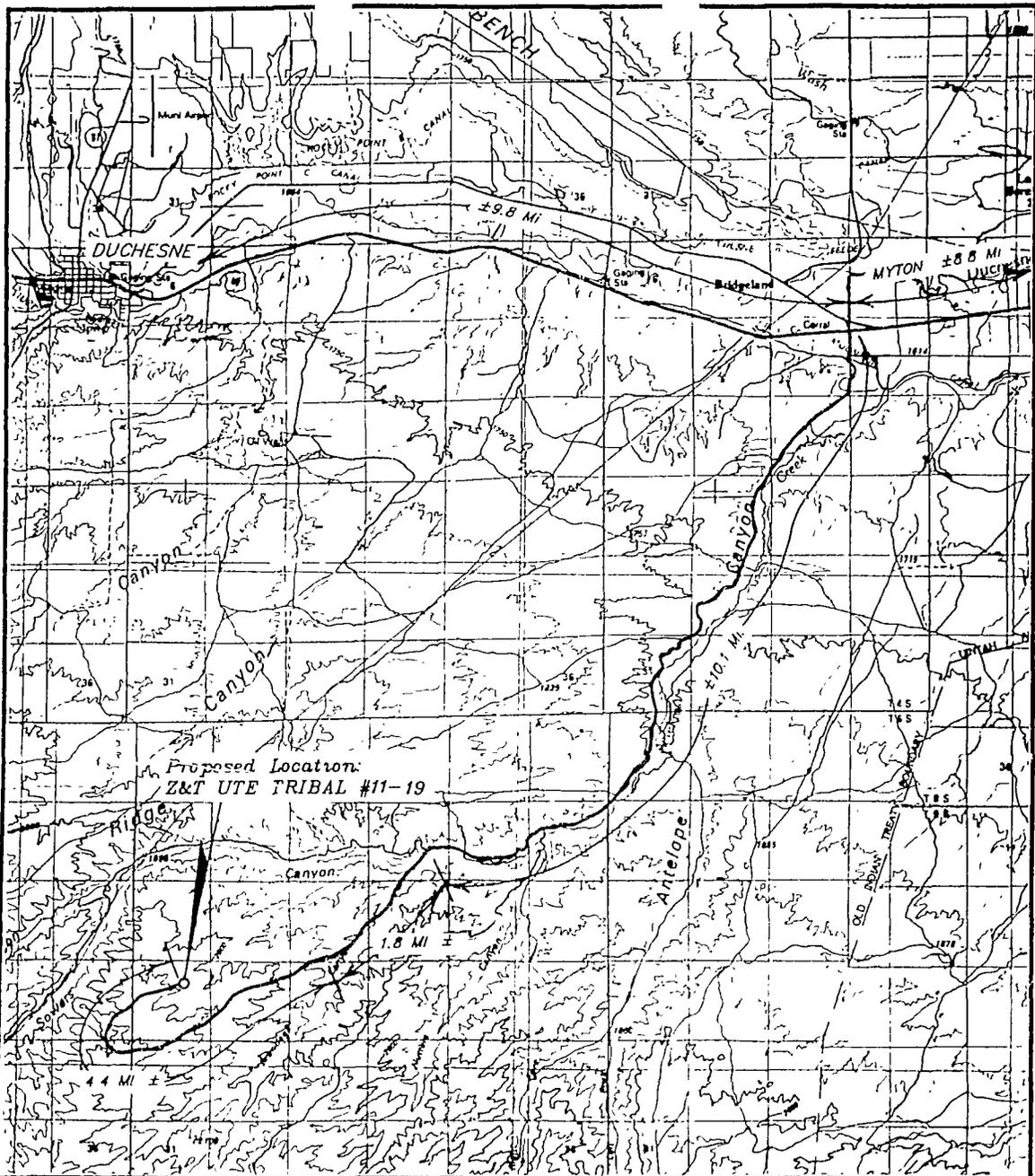
SCALE 1" = 2000'

DATE 2-16-91



ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #11-19
SECTION 9, T5S, R4W, U.S.B.&M.
'859' ENL 2205' FEL



TOPOGRAPHIC

MAP "A"

DATE 8-5-93

DRAWN BY FEM



ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #11-19

SECTION 19, T5S, R4W, U.S.B.&M.

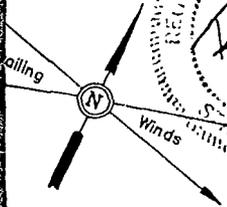
1859' FNL 2205' FEL

Bill Cozy

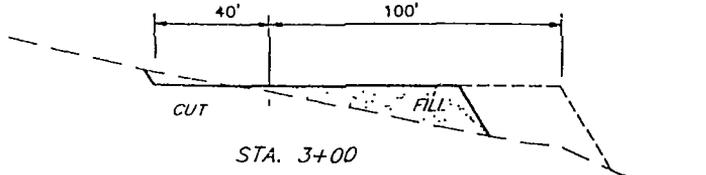
ZINKE & TRUMBO, LTD.

LOCATION LAYOUT FOR

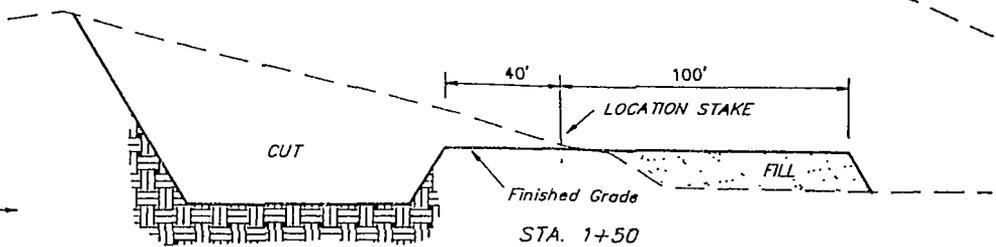
Z&T UTE TRIBAL #11-19
SECTION 19, T5S, R4W, U.S.B.&M.
1859' FNL 2205' FEL



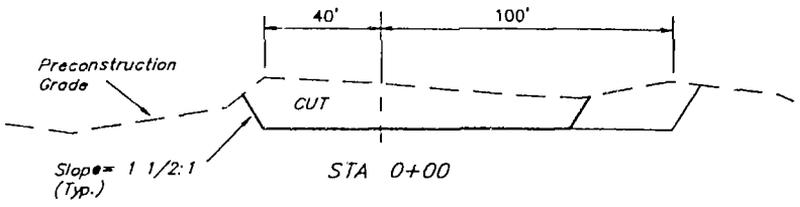
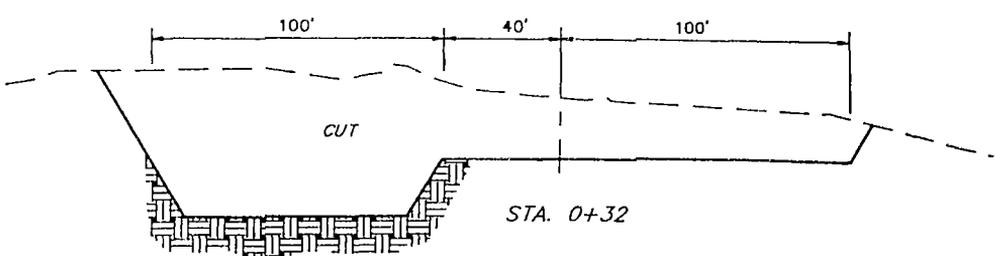
SCALE: 1" = 50'
DATE: 8-6-93
DRAWN BY: T.D.H.



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



TYP. LOCATION LAYOUT
TYP. CROSS SECTIONS



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

Elev Ungraded Ground at Location Stake = 6714.4'
Elev. Graded Ground at Location Stake = 6713.9'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
BIA 14 20 H62 3528

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
Z&T Ute Tribal 11-19

10. FIELD AND POOL, OR WILDCAT

11. SEC. T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 19, T5S, R4W

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
Zinke & Trumbo, Ltd. 43-013-31428

3. ADDRESS OF OPERATOR
1202 East 33rd St., Suite 100, Tulsa, OK 74105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface
1859' FNL, 2205' FEL SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 19, T5S, R4W
At proposed prod. zone
2400' FNL, 2300' FWL, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19, T5S, R4W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 miles South and West of Myton, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1859'

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.
100' surf.
880' prod.

19. PROPOSED DEPTH
7000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6714 GR

22. APPROX DATE WORK WILL START*
Nov. 15, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 $\frac{1}{2}$	13 3/8	54	90	6 yds. - surf
12 $\frac{1}{4}$	8 5/8	24	800	690 sx - surf
7 7/8	5 $\frac{1}{2}$	15.5	T.D.	875 sx - T.D. - 2000' Cmt will cover the oil shale.

Operator requests permission to drill the subject well. Please see the attached 10 point and 13 point surfacr use plan.

If you require additional information, please contact:

WILLIAM A. RYAN
ROCKY MOUNTAIN CONSULTING
350 South, 800 East
Vernal, UT 84078

(801) 789-0968
Fax (801) 789-0970

RECEIVED
SEP 30 1993

14 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. *William A. Ryan*
SIGNED WILLIAM A. RYAN TITLE PETROLEUM ENGINEER DATE 9/20/93

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY *[Signature]* TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAY 5 1994
CONDITIONS OF APPROVAL, IF ANY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

UT085-3M094

CONDITIONS OF APPROVAL FOR THE
APPLICATION FOR PERMIT TO DRILL.

Company/Operator: Zinke and Trumbo, Ltd.

Well Name & Number: 11-19

API Number: 43-013-31438

Lease Number: 14-20-H62-3528

Location: SWNE Sec. 19 T. 4 S. R. 5 W.

Surface Ownership: Indian

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.

If this well is drilled and successfully completed in the Green River Formation in the SENW of Section 19 Township 5 South, Range 4 West, then no other well will be allowed or approved in that QTR/QTR with the Green River Formation as the target formation.

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. 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 5M 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.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

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 Measurement While Drilling (MWD) equipment is not being utilized while drilling from the kick-off point to total depth, then directional surveys must be run at a minimum of every ninety (90) ft. from kick-off to total depth.

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 \pm 2629 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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 \pm 2429 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. 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 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 telegraph 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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) 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 3162.7-4.

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.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. 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 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 approvals are necessary, please contact one of the following individuals.

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

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 PROGRAM

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

The reserve pit liner will have sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

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

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes and fill areas will be accomplished by grading, leveling, and seeding as recommended by the Authorized Officer.

At the time of reclamation, the operator will use a seed mix that is site specific as determined by the Authorized Officer.

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 approved plan of operations, and any applicable Notice to Lessees. 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 complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

480120011117 08
PO BOX 702524
TULSA OKLA 74170 7680
(918) 743-7100

Western
National
Bank

October 25, 1993

Bureau of Indian Affairs
Ft Duchesne, Utah 84026

Dear Sirs

Per instructions of Zinke & Trumbo, Ltd , we are mailing today the attached Letter of Credit #826700 This is to replace that letter of credit issued by Midlantic National Bank, Edison, New Jersey, bearing Letter of Credit #702524

Should you have any questions, please contact me at 918-749-7000

Sincerely,



Glenn A Elrod
Senior Vice President

GAE/jm
Enclosure

TRANSACTION REPORT

F.01

OCT-25-93 10:13:44

DATE	START	RECEIVER	TO TIME	PAGES	NOTE
OCT-25	17:47	19017001406			

OCT-25 17:47 19017001406

11:11

IRREVOCABLE LETTER OF CREDIT

DATE OF LETTER OF CREDIT

October 25, 1994

CUSTOMER NAME AND ADDRESS Zinke & Trumbo, Ltd. 1202 E. 33rd St., Ste. 100 Tulsa, OK 74105	ISSUING FINANCIAL INSTITUTION NAME AND ADDRESS Western National Bank Post Office Box 602680 Tulsa, OK 74170-2680	NUMBER OF LETTER OF CREDIT 325700
		AMOUNT OF CREDIT \$75,000.00
BENEFICIARY NAME AND ADDRESS Bureau of Indian Affairs Ft. Duchesne, Utah 84026	ADVISING FINANCIAL INSTITUTION NAME AND ADDRESS	EXPIRATION DATE October 25, 1994
		TO BE AVAILABLE BY DRAFTS DRAWN AT _____

SH 017

GENTLEMEN,

We hereby issue this Irrevocable Letter of Credit and authorize you as Beneficiary to draw on ourselves for the account of Customer for any sum or sums not exceeding in the aggregate the amount of this credit as indicated above

Drafts must be accompanied by the following documents

We certify that the Bureau of Indian Affairs is entitled to the amount of Seventy-Five Thousand Dollars (\$75,000.00) because of the default on part of Zinke & Trumbo, Ltd., lessee and/or operator of certain oil and gas leases on the Uintah and Ouray Indian Reservation in Duchesne and Uintah counties; in that the lessee has not satisfactorily performed one or more of the terms of the lease agreement.

This letter of credit shall provide for a thirty-day notice by Western National Bank of upcoming expiration. A new letter of credit shall be filed with the Bureau of Indian Affairs, Uintah and Ouray Agency prior to expiration of letter of credit.

Drafts drawn under this credit must be marked that they are drawn under this Financial Institution's Letter of Credit and must show the Date and Number of the Letter of Credit

We hereby agree to honor each draft drawn under and in compliance with the terms of this credit if duly presented (together with the documents specified) to us on or before the close of business on the Expiration Date shown above.

Unless otherwise expressly stated this Credit is subject to the Uniform Customs and Practice for Documentary Credits (1983 Revision) International Chamber of Commerce Brochure No 400 and, where not inconsistent therewith, to Article Five of the Uniform Commercial Code of the state of the principal office of the Issuing Financial Institution. Unless otherwise expressly stated above, only original documents will be accepted. No reproductions or photocopies may be substituted for originals.

WESTERN NATIONAL BANK OF TULSA

Glenn A. Elrod, Senior Vice President

memorandum

DATE: NOV 16 1993

REPLY TO: Superintendent, Uintah & Ouray Agency
ATTN OF:

SUBJECT: Concurrence Letter for Zinke & Trumbo
Ute Tribal #11-25, Section 25, T5S, R5W, USB&M.
Ute Tribal #11-19, Section 19, T5S, R4W, USB&M.

TO: Bureau of Land Management, Vernal District Office
Attention: Mr. Ed Forsmen

We recommend approval of the Application for Permit to Drill on the subject well.

Based on available information received on November 05, 1993, we cleared the proposed location in the following areas of environmental impact.

YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Listed threatened or endangered species
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Crucial wildlife habitat
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Archaeological or cultural resources
YES <input type="checkbox"/>	NO <input type="checkbox"/>	Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment.
YES <input type="checkbox"/>	NO <input type="checkbox"/>	Other (if necessary)

COMMENTS:

The Energy and Minerals Department is recommending the following criteria to be adhered during all phases of construction activities during and after.

1. Landscape disturbance cannot be effectively mitigated at this time. However, before the site is abandoned the company will be required to restore the wellpad, access roads, and pipeline rights-of-way to near their original state. The disturbed area will be re-seeded with desirable perennial vegetation and the seed will be covered with a free organic mulch.
2. Noxiousweeds will be controlled on all well sites and rights-of-ways. If noxious weeds spread from the well sites or right-of-way onto adjoining land, the company will also be responsible for their control.
3. The Ute Tribe will have the right to harvest fire wood from the location prior to the approval of the APD.
4. Fine soil over the reserve pit will be used to pad the liner of the reserve pit.

*See attached Bureau of Indian Affairs, Memo dated October 19 1993 for additional stipulations (copy)

Attachments



Form 100-5
December 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires September 30, 1990
5. Lease Designation and Serial No.
BIA 14-20-1162-3528
6. If Indian Allottee of Tract Name

SUNDRY NOTICES 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 TRIPLICATE

RECEIVED
JAN 27 1994

UTR TRIBE
7. Unit or CA Agreement Designation

1. Name of Well
2. Well No.
3. Name of Operator

4. Land & Tract No., T1D
5. Section, Township, Range

6. 200 East 3rd St., Suite 100, Ogden, UT 84405

1359' T1D, 2765' T1D, S36E, R12E, Sec 19, T5S, R12W
2000' T1D, 2300' E1D, S12E, R12W, Sec 19, T5S, R12W

8. Well Name and No.

9. All Well No.
10. Field and Pool or Exploratory Area
MOZET UTE TRIPAL 11-19

11. County of Utah State
DUSCHESNE, UTAH

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

TYPE OF INCIDENT

TYPE OF ACTION

- Change of Plans
- New Construction
- Non Routine Drilling
- Water Shut Off
- Construction Abandonment

THE OPERATOR WISHES TO REPORT A CHANGE IN THE CASING WEIGHT FOR THE 8 5/8" SURFACE CASING THE WEIGHT WILL BE CHANGED FROM 24#/FT. TO N-80, 36#/FT THE BURST ON THE CASING WILL BE 6,490 psi

IF YOU REQUIRE ADDITIONAL INFORMATION, PLEASE CONTACT

WILLIAM A RYAN
ROCKY MOUNTAIN CONSULTING
350 South, 800 East
VERNAL, UT 84078

789-0968

WILLIAM A RYAN
William A Ryan

PETROLEUM ENGINEER

DATE 1/26/94

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/18/94

API NO. ASSIGNED: 43-013-31438

WELL NAME: Z&T UTE TRISDA ^{DAL} 11-19
 OPERATOR: ZINKE & TRUMBO LTD (N7295)

PROPOSED LOCATION:
 SWNE 19 - T05S - R04W
 SURFACE: 1859-FNL-2205-FEL
 BOTTOM: ~~2400-FNL-2500-FWL~~
 DUCHESNE COUNTY
 BRUNDAGE CANYON FIELD (072)

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

LEASE TYPE: IND
 LEASE NUMBER: 14-20-H62-3528

1771' ESL & 1475' FWL (NE 1/4 NW 1/4)

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
 (Number ~~#~~ 8-26700)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number _____)

RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____

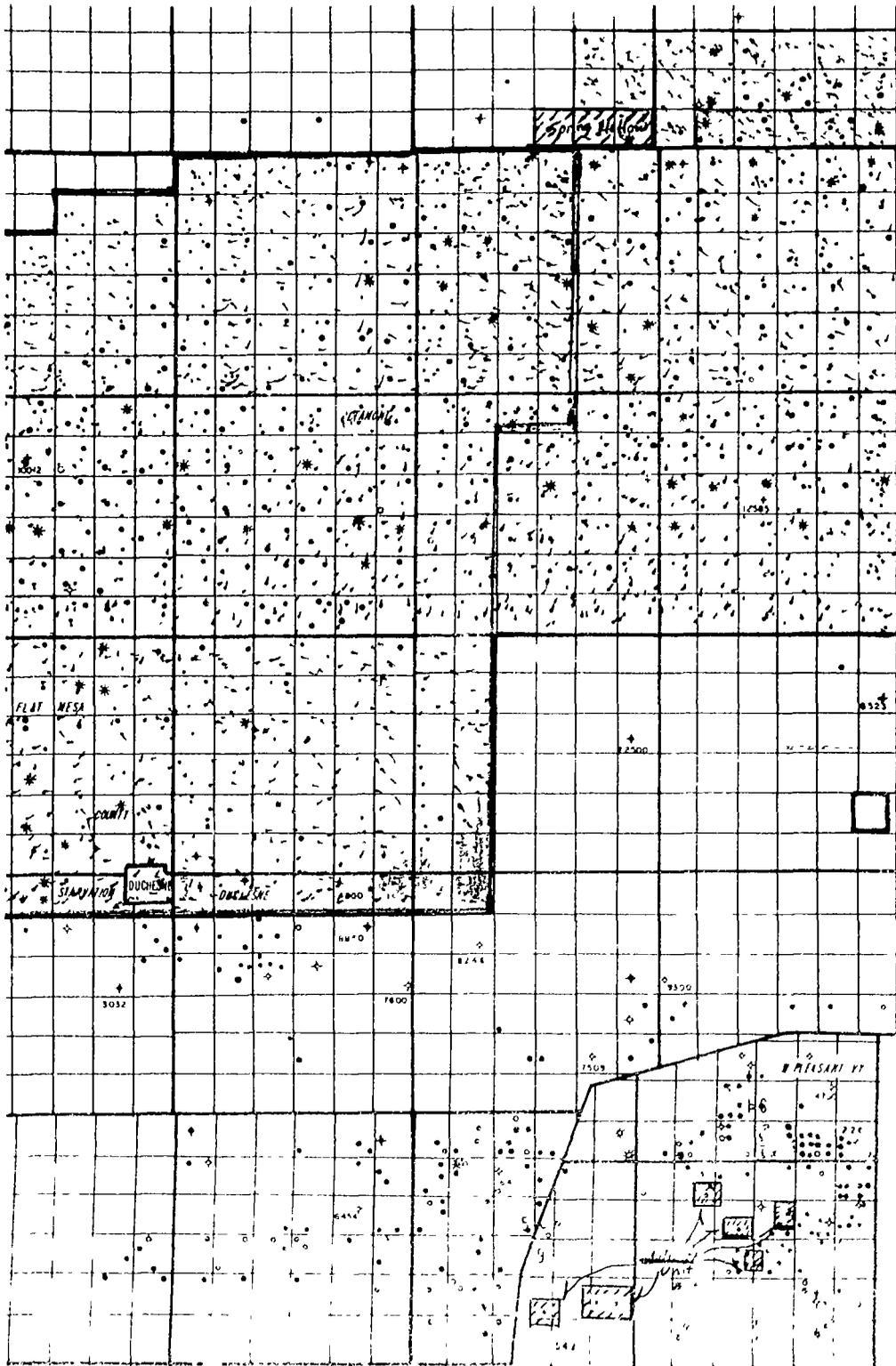
___ R649-3-2. General.

R649-3-3. Exception.

___ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENT: *BIA lease # 14-20-H62-3528 includes all of section 14.*

STIPULATIONS: *1. Need water source permit number prior to Spud.*
2. A multishot survey will be required from TD to KC point once well is cased. The print-out or report will have both vertical & plane view, as per R649-3-11-3



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- 131-14
- BLUBELL
- 139-6
- 140-6
- 139-42
- Units
- 131-51
- ext
- 131-14
- 139-19
- 140-7
- modality
- 140-6

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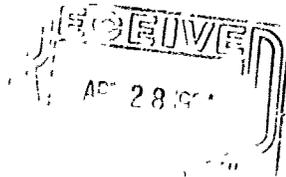
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Office (801) 789-0968
Cellular (801) 823-6152

350 S. 800 E.
Vernal, UT 84078

April 26, 1994



State of Utah
Division of Oil, Gas and Mining
Attn Mike Henderson
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re Request for spacing exception
Well 11-19 Sec 25, T5S, R5W

Dear Mike

Zinke & Trumbo Ltd would like to supply the following information per your request

Zinke & Trumbo Ltd propose drilling a directional hole. The well pad will use part of an existing pad. The current well, the 7-19, is located 1924' FNL and 2023' FEL. The new well will be located at 1859' FNL and 2205' FEL.

The operator has contracted with Wilson Down Hole Services to survey and control the bottom hole location. I have attached the latest information from Wilson Down Hole Service. The information gives the MD-Measured Depth, TVD-True Vertical Depth, N/S-North/South Horizontal coordinates from true vertical hole, E/W-East/West horizontal coordinates from true vertical hole, FNL-Distance from the north section line, FSL-Distance from the south section line, FEL-Distance from the east section line, FWL-Distance from the west section line. I have also included the distance between the two well bores.



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

355 West North Temple
3700 East Center, Suite 350
Salt Lake City, Utah 84103 1203
(801) 538-5370
(801) 359-3940 (Fax)
(801) 538-5319 (TDD)

April 28, 1994

Zinke & Trumbo, Ltd
1202 East 33rd Street, Suite 100
Tulsa, Oklahoma 74105

Re Z & T Ute Tribal 11-19 Well, Surface Location 1855' FNL, 2205' FEL, SW NE,
Bottom Hole Location 1771' FSL, 1425' FWL, NE NW, Sec. 19, T 5 S, R 4 W,
Duchesne County, Utah

Gentlemen

Pursuant to Utah Admin. R. 649-3-3, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
3. Notification to the Division within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

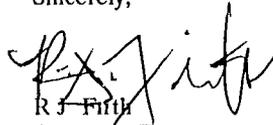
Page 2

Zinke & Trumbo, Ltd
Z & T Ute Tribal 11-19 Well
April 28, 1994

7. Compliance with the requirements of Utah Admin R 649-3-20, Gas Flaring or Venting, if the well is completed for production

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31438.

Sincerely,



R. J. Fifth
Associate Director

lde

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WO11



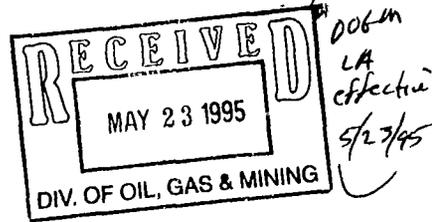
United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

IN REPLY REFER TO

3162
UT08438

May 17, 1995



Zinke & Trumbo, Ltd.
1202 East 33rd Street Suite 100
Tulsa, OK 74105

Re: Notification of Expiration
Well No. 11-19 *12.013.3/1938*
Section 19, T5S, R4W
Lease No. 14-20-H62-3528
Duchesne County, Utah

Gentlemen:

The Application for Permit to Drill the above-referenced well was approved on May 5, 1994. Since that date, no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year. 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