



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 Bountiful, Utah 84010  
Tel: (801) 292-7061, 292-9668

August 15, 1986

**Subject:** CULTURAL RESOURCE EVALUATIONS OF THREE PROPOSED  
WELL LOCATIONS IN THE VICINITY OF BONANZA, UTAH

**Project:** Hiko Bell Mining and Oil Company: Dirty Devil  
Units 22-22A, 22-26A, and 43-22A

**Project No.:** HBMO-86-1

**Permit No.:** Dept. of Interior 85-Ut-54937  
Utah State Number U-86-AF-418b

**To:** Mr. Craig Caldwell, Hiko Bell Mining & Oil Co.,  
Third West Main, Vernal, Utah 84078

Mr. David Little, District Manager, Bureau of  
Land Management, 170 South 500 East, Vernal,  
Utah 84078

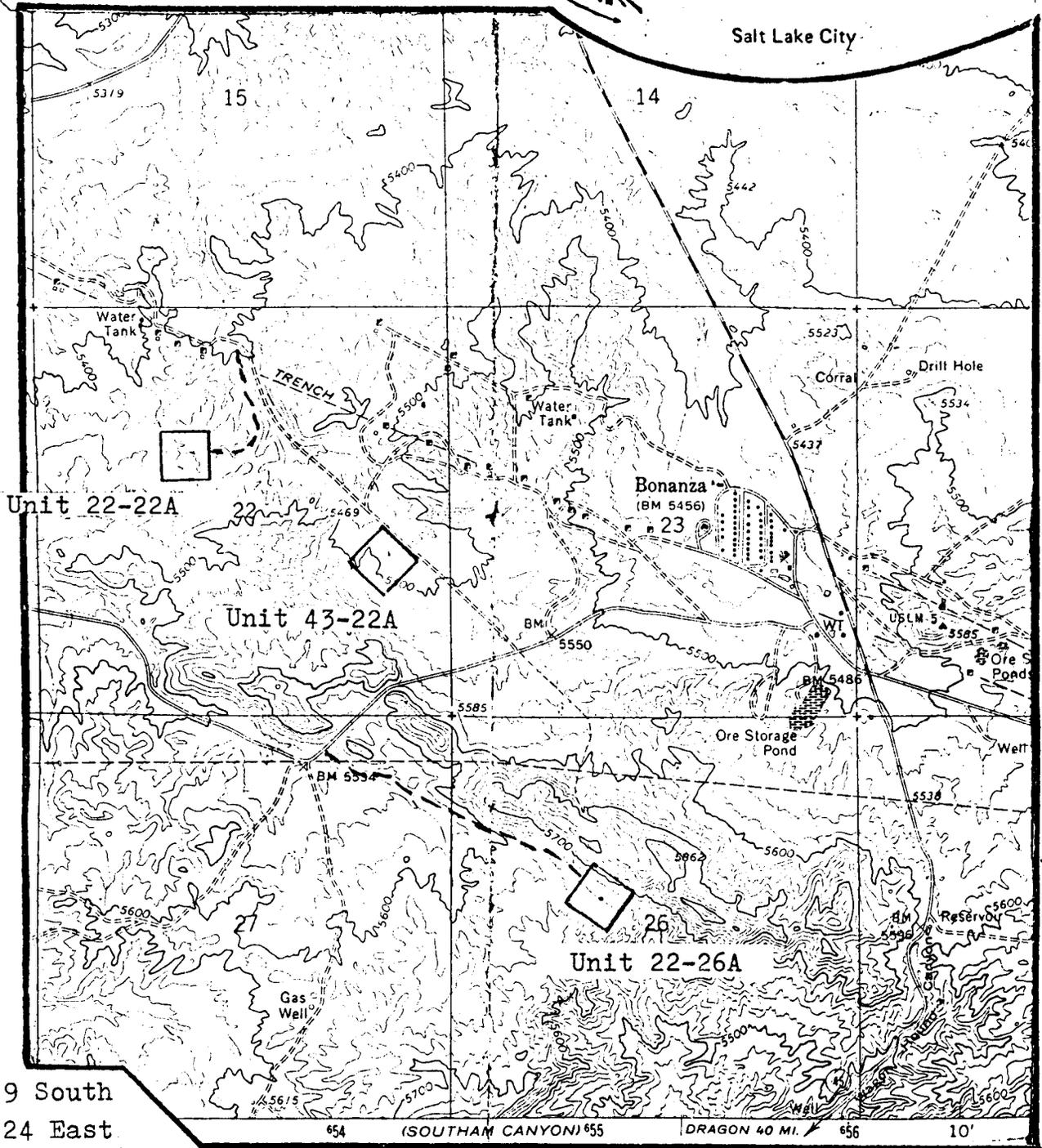
Ms. Arleen Sollis, Utah State Division of Oil,  
Gas & Mining, 3 Triad Center, Suite 350, Salt  
Lake City, Utah 84180-1203

**Info:** Antiquities Section, Division of State History,  
300 Rio Grande, Salt Lake City, Utah 84101

Mr. Rich Fike, BLM State Archeologist, Bureau  
of Land Management, CFS Financial Center Bldg.,  
324 South State, Salt Lake City, Utah 84111-  
2303



Salt Lake City



T. 9 South  
R. 24 East

Meridian: Salt Lake B. & M.

Quad:

Project: HBMO-86-1  
Series: Uinta Basin  
Date: 8-16-86

Cultural Resource Survey  
of Three Dirty Devil Well  
Units (No. 22-22A, 22-26A  
and 43-22 A) in the Area  
of Bonanza, Utah

Bonanza, Utah  
7.5 minute-USGS

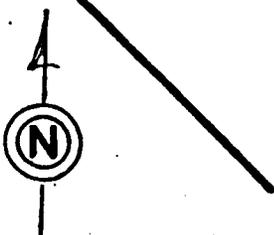


Legend:

Ten Acre Survey  
Area



Access Route



2.64" = 1 M.

Scale

U.S. Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Summary Report of  
Inspection for Cultural Resources

Project U 8 6 A F 4 1 8 b  
 Authorizator No . . . . . 10  
 Report Acceptable Yes \_\_\_ No \_\_\_  
 Mitigation Acceptable Yes \_\_\_ No \_\_\_  
 Comments: \_\_\_\_\_

**DIRTY DEVIL UNITS - BONANZA AREA**

1. Report Title . . . . . Hiko Bell Mining & Oil Co.: 22-22A, 22-26A & 43-22A  
 2. Development Company . . . . .  
 3. Report Date . . . . . 0 8 15 1 9 8 6  
 4. Antiquities Permit No. . . . . 85-UT-54937  
 5. Responsible Institution . . . . . A E R C H B M O - 8 6 - 1 Uintah County  
 6. Fieldwork Location: TWN . . . . . RNG . . . . . Section. . . . .  
 0 9 S 2 4 E 2 2 2 6 2 7  
 62 65 66 69 70 71 72 73 74 75 76 77  
 7. Resource Area . . . . . TWN . . . . . RNG . . . . . Section. . . . .  
 B C 78 81 82 85 86 87 88 89 90 91 92 93  
 110 111 TWN . . . . . RNG . . . . . Section. . . . .  
 94 97 98 101 102 104 106 108

8. Description of Examination Procedures:  
 The archeologist, F.R. Hauck, walked a series of 15 meter wide transects to evaluate the new localities where these proposed well locations had been staked. Two 15 meter wide transects flanking the staked centerlines were walked to examine the access routes.

9. Linear Miles Surveyed . . . . . 1  
 and/or 112 117  
 Definable Acres Surveyed . . . . .  
 and/or 118 123  
 Legally Undefinable Acres Surveyed . . . . . 3 0  
 124 129  
 10. Inventory Type . . . . . I  
 130  
 R = Reconnaissance  
 I = Intensive  
 S = Statistical Sample

11. Description of Findings:  
 No cultural resource materials or activity loci were observed or recorded during the evaluation. Scattered cultural debris was observed on all three locations with the largest accumulation found on Unit 43-22A. Except for a dozen fragments of a historic, purple bottle, at that location, the debris was modern. (Y = Yes, N = No)  
 12. Number Sites Found . . . . . 0  
 (No sites = 0) 131 135  
 13. Collection: . . . . . N  
 136

14. Actual/Potential National Register Properties Affected:  
 The National Register of Historic Places has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO - 8-14-86  
 BLM Office in Vernal- 8-14-86

16. Conclusion/ Recommendations:  
 AERC recommends that a cultural resource clearance be granted to Hiko Bell Mining & Oil Company based upon adherence to the following stipulations: (see reverse)

17. Signature of Administrator & Field Supervisor  
 Administrator F.R. Hauck  
 Field Supervisor F.R. Hauck

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-33441
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR HIKO BELL MINING & OIL COMPANY		7. UNIT AGREEMENT NAME DIRTY DEVIL UNIT
3. ADDRESS OF OPERATOR P.O. BOX 1845, VERNAL, UTAH 84078		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1879 FWL & 2207 FNL (SE 1/4 NW 1/4) SEC. 26 At proposed prod. zone SAME		9. WELL NO. UNIT DIRTY DEVIL/22-26A
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 1/2 MI. SOUTH OF BONANZA, UTAH		10. FIELD AND POOL, OR WILDCAT <del>WILDCAT</del> UNDESIGNATED
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1897' 3,383'	16. NO. OF ACRES IN LEASE 1,897.92	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 26, T9S-R24E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -0-	19. PROPOSED DEPTH 5,500' <i>Wasatch</i>	12. COUNTY OR PARISH UINTAH
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,666' ungraded grd.	20. ROTARY OR CABLE TOOLS ROTARY	13. STATE UTAH
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 160
22. APPROX. DATE WORK WILL START* A.S.A.P. March 20, 1987		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	10 3/4"	40.0#	250'	Circ. to surface
9 5/8"	7 5/8"	26.40#	5,500'	Circ. to Surface

Propose to drill 5,500' Wasatch test. Plan to drill 12 1/4" hole to 250' and set 250' of 10 3/4" surface casing, circulating cement to surface. Plan to drill 9 7/8" hole to T.D. 5,500' and set 5,500' of 26.4# production string. Plan to use fresh water to 3,200' as circulating medium and convert to Kcl water from 3,200' to T.D.

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

**RECEIVED**  
MAR 11 1987

DATE 7-7-87  
BY John R. Bay  
WELL SPACING: 203

DIVISION 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 Robert E. Covington TITLE Manager, Operations DATE 3-10-87

(This space for Federal or State office use)

PERMIT NO. 43 047-31800 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

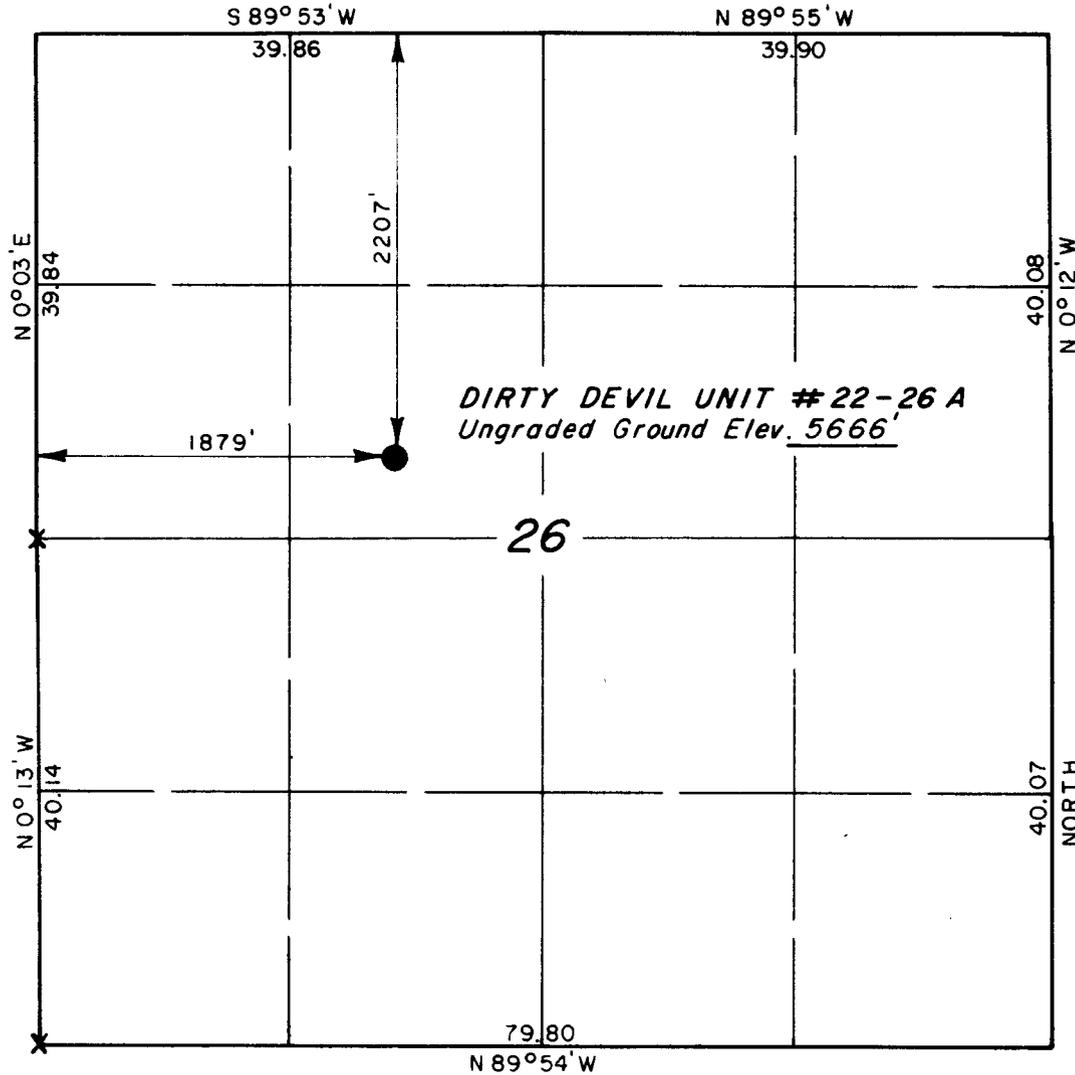
\*See Instructions On Reverse Side

T 9 S , R 2 4 E , S.L.B. & M.

PROJECT

HIKO BELL MINING & OIL CO.

Well location, *DIRTY DEVIL UNIT # 22-26 A*, located as shown in the SE 1/4 NW 1/4, Section 26, T 9 S, R 24 E, S.L.B. & M., Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Nelson J. Marshall*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

X = Located Section Corners

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

SCALE 1" = 1000'	DATE 7-7-86
PARTY LDT GDT DLS	REFERENCES GLO
WEATHER HOT	FILE HIKO BELL

10 POINT DRILLING PLAN  
HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26A WELL IN  
SECTION 26., T9S-R24E, SLM,  
UINTAH COUNTY, UTAH

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1. Surface formation- Uinta
2. Estimated tops of important geological markers:

Green River

Evacuation Creek member	424
Parachute Creek member	1025
"H" Marker	2376
"K" Marker	2750
Wasatch formation	3200

3. Expected mineral bearing formation"

Wasatch formation, 3,200-5,500'; - potentially gas productive/

No water flows are expected.  
No minerals are anticipated.

4. Proposed casing program:

Surface casing: 250' of 10 3/4", 40#, cemented to surf.  
Production casing: 5,500' of 7 7/8" OD 26.4#, cemented to surface

5. Blowout Preventors:

- a. 12" x 3,000# Shafer blowout preventor and hydril with choke and kill line.
- b. Pressure test to 1000 psi before drilling out below the surface casing. Test operation of BOP on each trip.

6. Circulating Medium:

- a. Surface to 3200' : Fresh water
- b. 3,200' to T.D. Kcl water with gel

7. Auxiliary Equipment:

- a. Kelly Cock
- b. Float at bit
- c. Full opening, quick-close drill pipe valve on floor at all times.

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26A  
SECTION 26, T9S-R24E  
10 POINT PLAN, CONTD.

8. Testing and Logging:

- (a) Cores: Noe planned.
- (b) Tests: None planned. Possible drill stem test of Wasatch
- (c) Logging:

1. Mud Logging Unit: 250' to T.D.

2. Electric Logs:

Dual-Induction Laterlog with Gamma Ra  
Gamma Ray-Compensated Formation Density Log  
with caliper

9. Anticipated Hazards:

No abnormal pressures, temperatures, hydrogen sulfide gas  
or other hazards are anticipated.

10. Anticipated starting date: March 20, 1987 with anticipated  
depth of 5,500'.

WELL PROGNOSIS  
DIRTY DEVIL 22-26A WELL

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OPERATOR: HIKO BELL MINING & OIL COMPANY  
P.O. BOX 1845, VERNAL, UTAH, 84078  
PHONE: 801-789-3233

WELL NAME: DIRTY DEVIL 22-26A

LEASE: U.S. OIL & GAS #U-33441

LOCATION: SE $\frac{1}{4}$  SW $\frac{1}{4}$  SEC. 26, T9S-R24E, SLM  
1879 FWL & 2207 FNL  
T9S-R24E, UINTAH CO., UTAH

PRIMARY OBJECTIVE: BASAL WASATCH GAS SANDS

SECONDARY OBJECTIVE: UPPER WASATCH (CHAPITA ZONE SANDS)

PROPOSED HOLE SIZE: 10 3/4" TO 280'  
7 7/8" TO 5,600'

PROPOSED CASING PROGRAM: 8 5/8", J-55, 24# SET AT 280' , CIRCULATED TO SURF.  
5 1/2", J-55, 17.0# SET AT 5,600', CIRC. TO SURF.

FORMATION TOPS:

UINTA FM:	SURFACE
GREEN RIVER FM.	1025
WASATCH FM.	3200

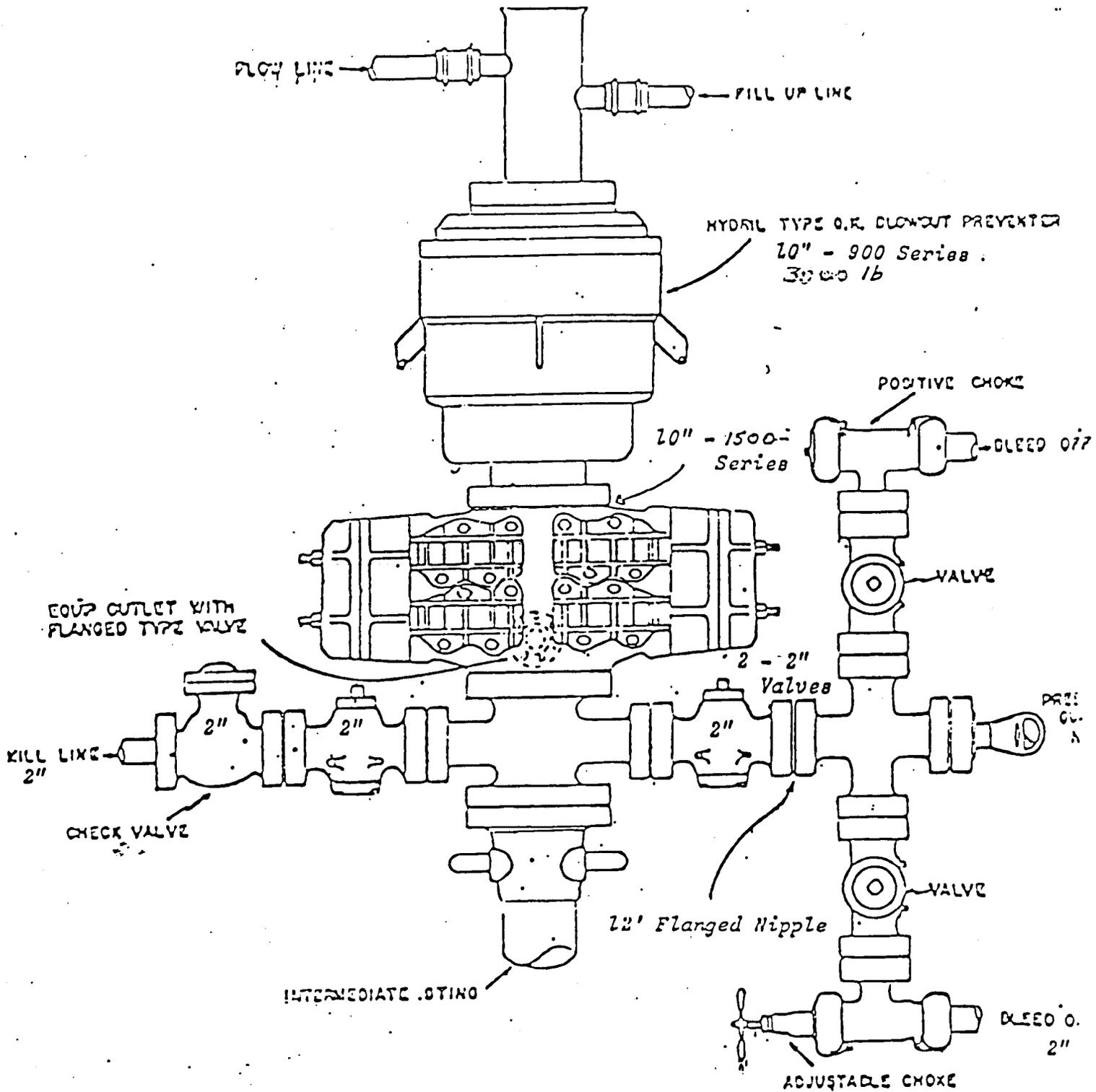
POTENTIAL GAS SANDS:

UPPER WASATCH SAND:	3285-3305
CHAPITA SAND ZONE:	3675-3700, 3715-3865
MIDDLE WASATCH SANDS:	3937-3947, 4195-4205, 4245-75
LOWER WASATCH: SAND:	4705-4820, 4975-4995
WASATCH TRANSITION SS:	5045-65, 5095-5115, 5185-5200, 5305-5320, 5345-5355, 5365-5375

T.D.: 5600

MUD SYSTEM: FRESH WATER TO 3200  
KCL WATER, 3200-TD

LOGS: MUD LOG, 280'-TD. GAMMA RAY-NEUTRON COMP. FDC,  
3200-TD, DUAL INDUCTION\_LATERLOG: 290-TD



**NOTE:** BLOWOUT PREVENTER HAS DOUBLE RAMS;  
 ONE BLIND AND ONE PIPE RAM.

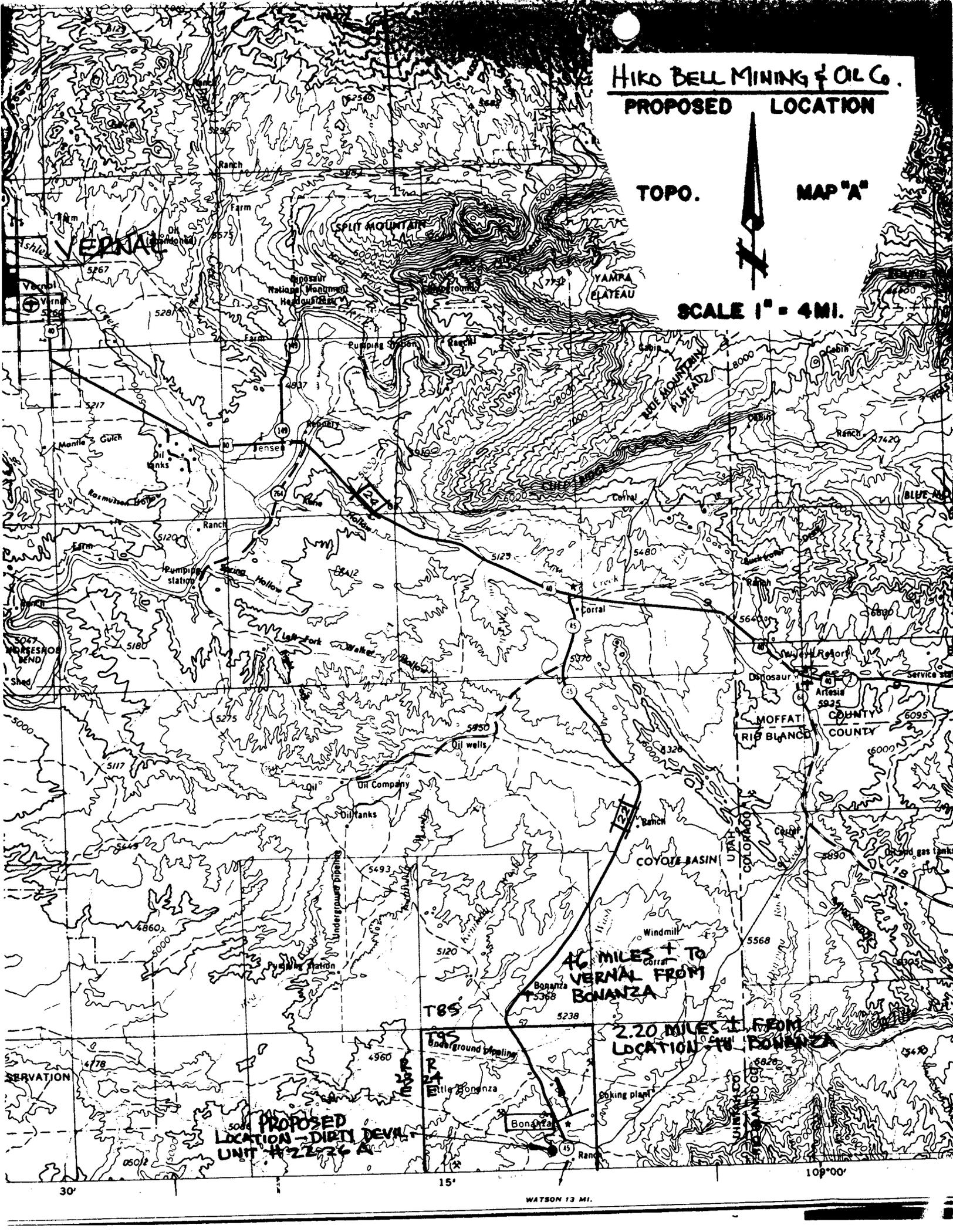
Diag. A

Hiko Bell Mining & Oil Co.  
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.

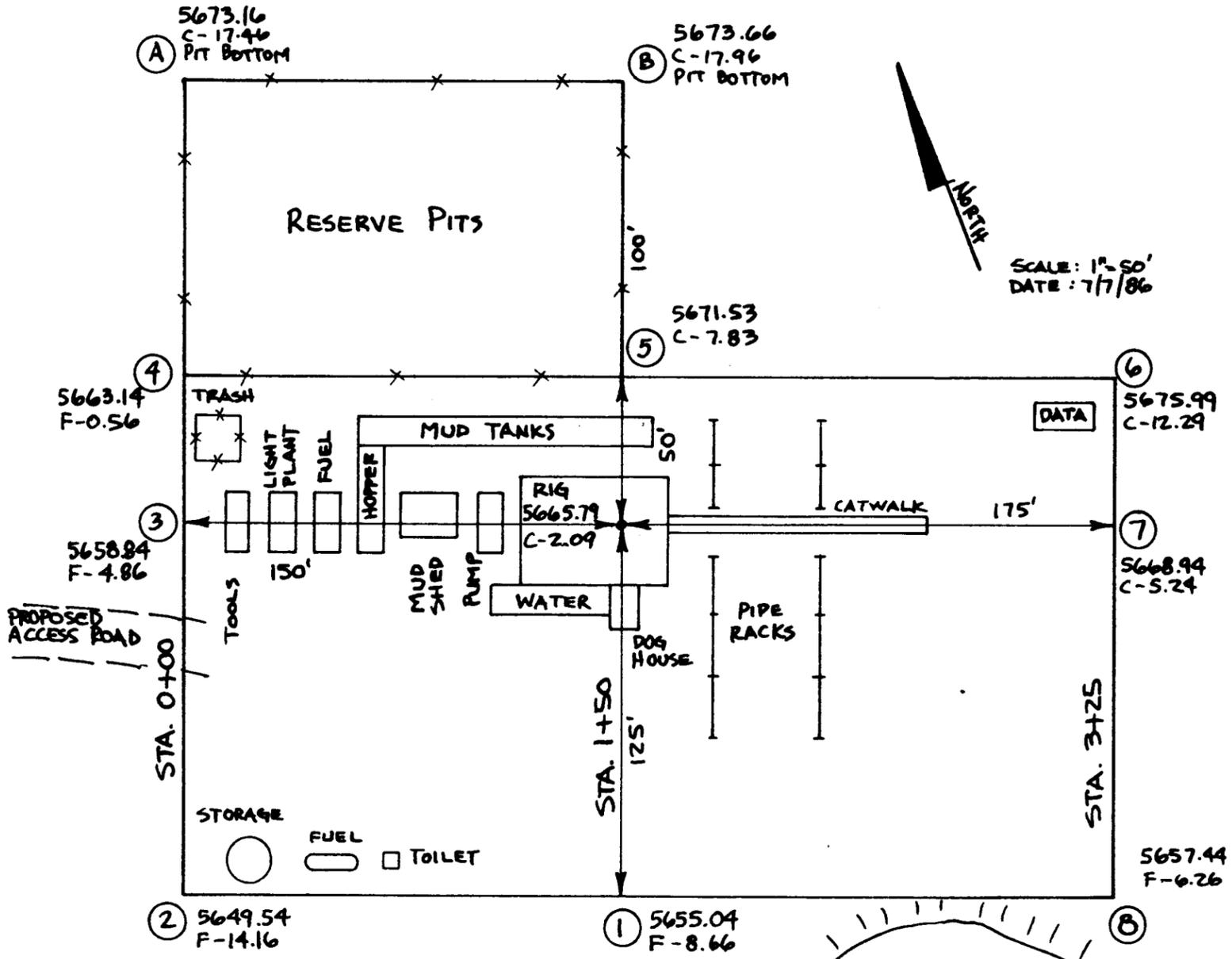


40 MILES TO  
VERNAL FROM  
BONANZA

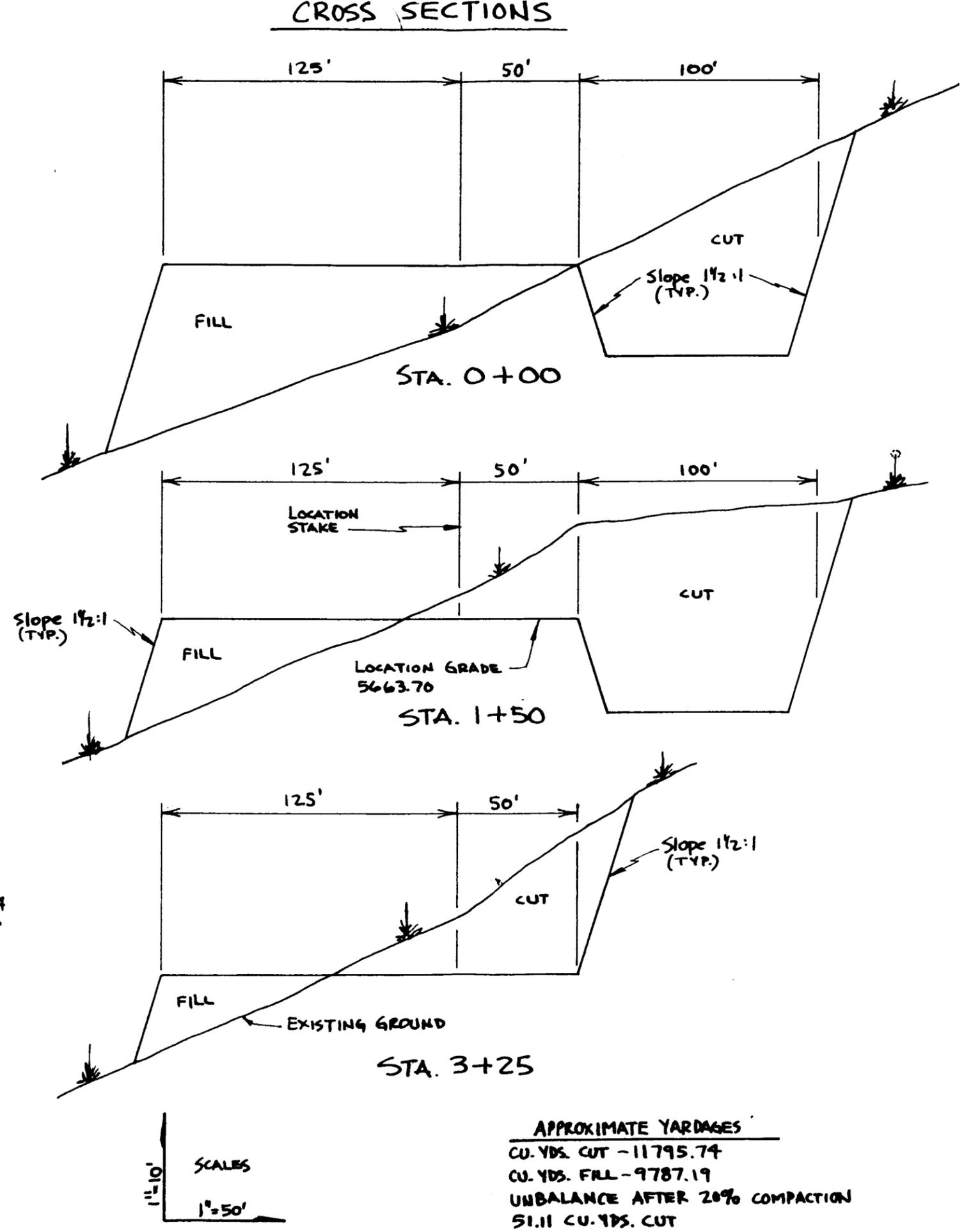
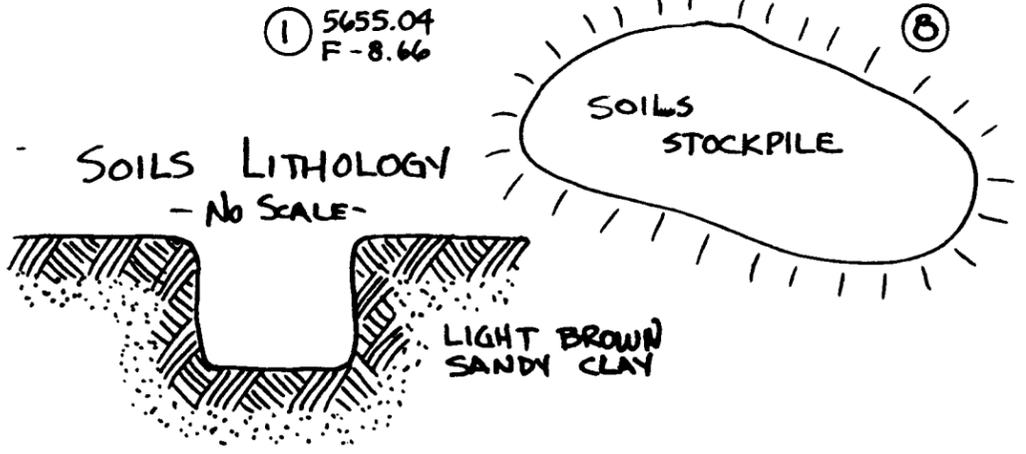
2.20 MILES TO  
LOCATION #22-26 A

PROPOSED  
LOCATION - DIRTY DEVIL  
UNIT #22-26 A

**HIKO BELL MINING & OIL CO.**  
**DIRTY DEVIL UNIT #22-26 A**



SCALE: 1"=50'  
 DATE: 7/7/86



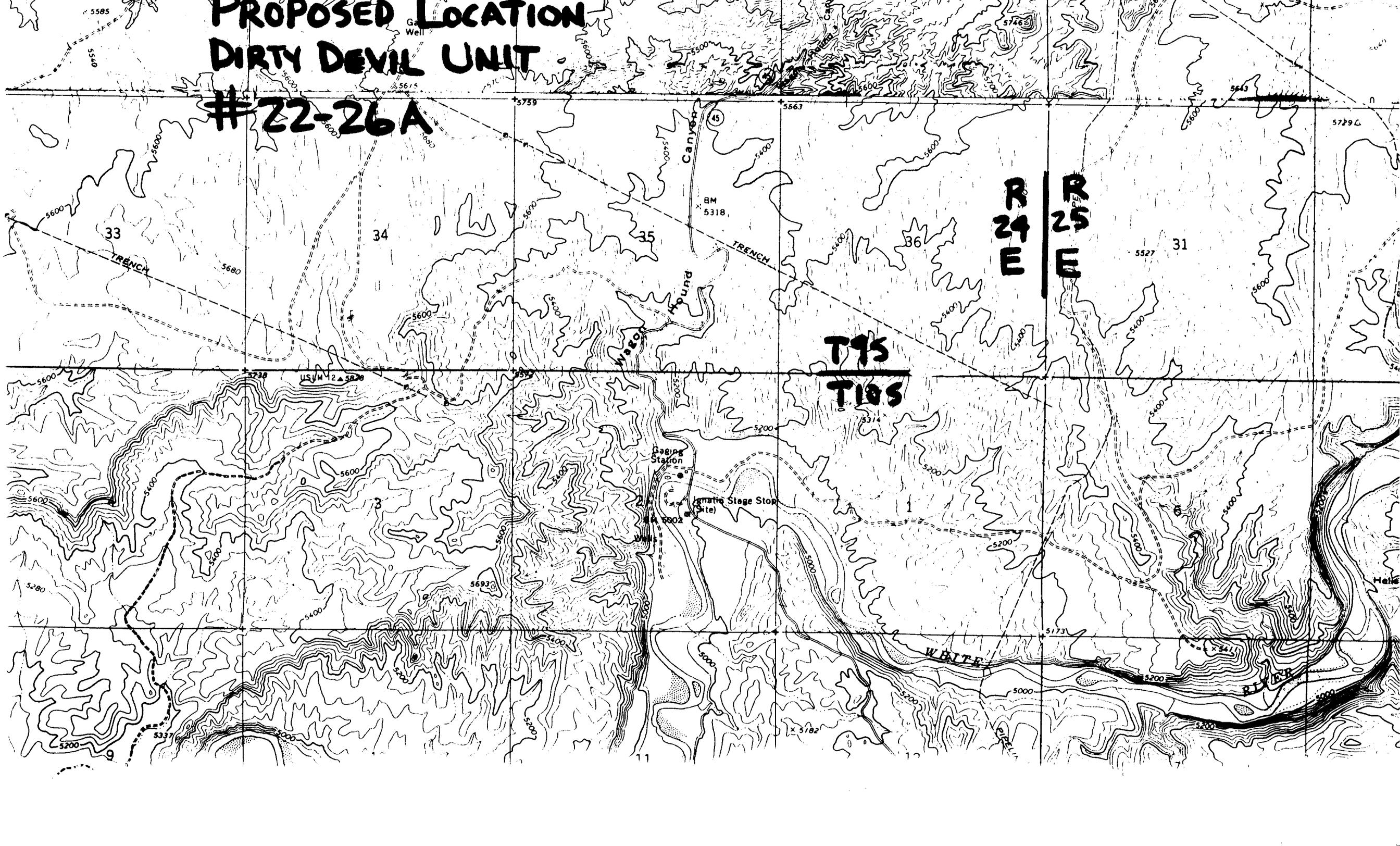
**APPROXIMATE YARDAGES**

CU. YDS. CUT - 11795.74  
 CU. YDS. FILL - 9787.19  
 UNBALANCE AFTER 20% COMPACTION  
 51.11 CU. YDS. CUT



# PROPOSED LOCATION DIRTY DEVIL UNIT

## #22-26A



RECEIVED  
MAR 11 1987

DIVISION OF  
OIL, GAS & MINING

HIKO BELL MINING & OIL COMPANY

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION

DIRTY DEVIL WELL 22-26A

LOCATED IN

SECTION 22, T9S-R24E, SLM, UINTAH CO., UTAH

=====

HIKO BELL MINING & OIL COMPANY

13 POINT SURFACE USE PLAN

FOR WELL LOCATION, DIRTY DEVIL 22-26A WELL IN

SECTION 22, T9S-R24E, SLM, UINTAH CO., UTAH  
=====

1. EXISTING ROADS

To reach the location of the Hiko Bell Mining & Oil Company Well 22-26A location, from Vernal, Utah, travel 48 miles southeast on Utah State Highway 45 to Bonanza, Utah. Turn west on the Uintah County road which goes to Ouray and travel approximately two miles to the end of the pavement. Drive to the bottom of the hill and instead of turning west, go straight south on the road which goes to the American Gilsonite (Chevron Resources' gilsonite tipple. Go south about one-half mile and turn left on an old road which goes east to northeast about 3/4th of a mile.

2. PLANNED ACCESS ROAD:

At the end of the old road it will be necessary to blade a road northeast to the location a distance of about one-half mile. This new road will be built to BLM requirements ( See Topographic Map "B").

3. LOCATION OF EXISTING WELLS

There are no oil or gas wells within a one mile radius of this site. There are no abandoned water wells, temporarily abandoned water wells, disposal wells, drilling wells, shutin wells, monitoring wells or observation wells for other resources within a one mile radius of the planned location.

4. LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES

See Topographic Map "B".

There are no Hiko Bell Mining & Oil Company tank batteries, production facilities, oil gathering lines, injection lines within a one mile radius.

In the event that production is established, the production facilities will be contained within the location site. No additional surface will be required. See location layout for production facilities.

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22 - 26A  
SECTION 26, T9S-R24E  
13 POINT PLAN

The location of proposed facilities off of the location site is not known at this time. In the event that production is established at this well, plans will be submitted for the proposed lines.

The rehabilitation of the area used for production facilities will meet the requirements of Item #7 and #10.

5. LOCATION AND TYPE OF WATER SUPPLY

Water sued for the drilling of this well will be hauled by truck from the White River at an existing loading ramp located in the NE $\frac{1}{4}$  of Section 2, T10S-R24E, approximately 5 miles south of the proposed site. This water will be hauled over existing roads and the proposed access road.

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

6. SOURCE OF CONSTRUCTION MATERIALS

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

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

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

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

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

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

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26  
SECTION 26, T9S-R24E  
13 POINT PLAN

7. METHODS OF HANDLING WASTE DISPOSAL, CONTD.

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

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

There will be a portable trash basket placed on the site. All trash will be hauled to the nearest sanitary land fill.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned at the present time and none foreseen.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The State of Utah will be notified before any construction begins on the proposed location site.

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

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

10. PLANS FOR RESTORATION OF SURFACE

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

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26A  
SECTION 26 , T9S-R24E  
13 POINT PLAN

10. PLANS FOR RESTORATION OF SURFACE, CONTD.

Any drainage rerouted during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities.

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

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

When restoration activities have been completed, the location site and access road will be reseeded with a seed mixture recommended by the State and/or BLM District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of the clean up and restoration activities shall be done and performed in a diligent and workmanlike manner and in strict conformity with the above mentioned Item #7 and #10.

11. OTHER INFORMATION

THE TOPOGRAPHY OF THE GENERAL AREA - ( See Topographic Map "A")

The area is located in a topographic basin which is bounded on the north by the Blue Mountain-Yamp Plateau uplift on the north and by the Douglas Creek arch on the east. The south edge of the basin is marked by the Book Cliffs and the west part of this area, known as the Uinta Basin is bounded by the Wasatch Mountains on the west and the east-west trending Uinta Mountains on the north.

The floor of the basin is interlaced with numerous canyons and non-perennial streams of the area. The walls of some of these canyons are steep and form ledges in the sandstones and shales which outcrop in the area,

The topsoil of the area ranges from a light, brownish to gray sandy clay (SM-ML) type soil to poorly graded gravels in clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature, flowing during the early spring run off and during extremely heavy rain storms which are rare but do sometimes occur during the summer months. Annual rainfall is 8 inches. The White River four miles to the south is the only perennial stream near the location site.

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26A  
SECTION 26, T9S-R24E  
13 POINT PLAN

11. OTHER INFORMATION, CONTD.

Due to the low precipitation average, climate conditions, and the marginal types of soils, the vegetation that is found in the area is common to the semi-arid region in this part of the Uinta Basin and consists of sagebrush, rabbit brush, some grasses and a few cacti as the primary flora.

The fauna of the area consists predominately of the mule deer, coyotes, pronghorn antelope, rabbits and various small ground squirrels and a few other types of rodents.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays, with an occasional white tailed hawk.

THE TOPOGRAPHY OF THE IMMEDIATE AREA (See Topographic Map "B")

The Dirty Devil 31-15 location is in a relatively flat area approximately two miles north of the mining camp of Bonanza and one mile east of the Little Bonanza (Ziegler) mining camp.

The majority of the drainages in the area are of a non-perennial nature and drain northwest to Cottonwood Wash, also a non-perennial major drainage of the area.

The terrain in the vicinity of the location slopes to the northwest at approximately a 2% grade.

Surface and mineral ownership of the lands involved by this location are owned by the State of Utah and are state administered.

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

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

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. ( See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Robert E. Covington, Manager, Exploration  
Hiko Bell Mining & Oil Company  
P.O. BOX 1845  
Vernal, Utah, 84078 Phone: 801-789-3233

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the state-

HIKO BELL MINING & OIL COMPANY  
DIRTY DEVIL 22-26A  
SECTION 16, T9S-R24E  
13 POINT PLAN

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the proposed operations as stated herein will be performed by Hiko Bell Mining and Oil Company, and with its subcontractors, in conformity with this plan and the terms and conditions under which it is approved.

DATE: March 9, 1987

HIKO BELL MINING & OIL COMPANY

*Robert E. Covington*

ROBERT E. COVINGTON  
MANAGER, EXPLORATION

073804

OPERATOR Hiko Bell Mining & Oil DATE 3-16-87

WELL NAME Sifty Devil Unit 22-26A

SEC SE NW 26 T 95 R 24E COUNTY Utah

43-047-31800  
API NUMBER

Feb.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit Well  
Need water permit

APPROVAL LETTER:

SPACING:

203

Sifty Devil  
UNIT

302

CAUSE NO. & DATE

302.1

STIPULATIONS:

1- Water

073804

OPERATOR Hiko Bell Mining & Oil DATE 3-16-87  
WELL NAME Dirty Devil Unit 22-26A  
SEC SE NW 26 T 95 R 24E COUNTY Utah

43-047-31800  
API NUMBER

Fed.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

Well Number is incorrect.  
S/B 22-26A (see attached Sundry)

POTASH OR OIL SHALE

PROCESSING COMMI

Unit 26 API number is incorrect,  
Need S/B 43-047-31800

\_\_\_\_\_ Date Spudded is incorrect,  
\_\_\_\_\_ S/B 9-30-87

APPROVAL LETTER

Hiko Bell has no Dirty Devil 22-27. There is no well with API No. 43-042-31800. The well was reported spudded 9-30-87. The well wasn't even permitted until 7/7/87.

SPACING:

Well Records -

STIPULATIONS:

1- Water

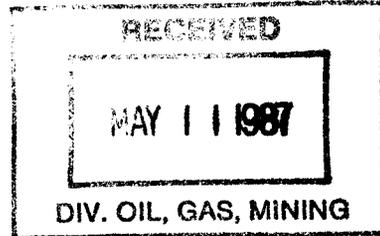
You may want to call Hiko Bell to verify what I wrote on the note above. To me it looks like they just fouled up!

DTS J. Romero 12-29-87  
22-26A  
801-789-3233

5/18/87

APD was received 3-11-87.  
No POD needed after 90 days of application (as per Bureau - BLM).  
Sh. Conversation w/ Bud Covington.  
Will permit well after 90 days.

U.  
B/L/L (w/perm) 7/7/87



3162.3-1  
U-820

May 7, 1987

Hiko Bell Mining & Oil Co.  
P.O. Box 1845  
Vernal, UT 84078

Re: Application for Permit to Drill  
Well No. 22-26A  
Sec. 26, T9S, R24E  
Lease U-33441  
Uintah County, Utah

Gentlemen:

This office received the referenced application on March 10, 1987. An administrative review was conducted and four deficiencies were found. A letter, dated March 16, 1987 from this office informed Hiko Bell that, unless all deficiencies were not resolved within 45 days, the entire application would be returned to you as required by Onshore Oil and Gas Order No. 1 and 43 CFR 3162.3-1.

Two of the deficiencies have yet to be resolved. They are: 1. An approved revision of the Plan of Development of the Dirty Devil Unit for 1987, and 2. A Designated Agent from Dirty Devil L.P.

Therefore, all copies of the referenced APD are being returned to you.

If you have any questions in this matter, please contact Al McKee at this office.

Sincerely,

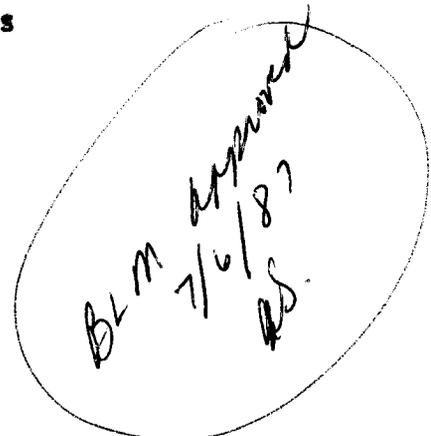
A handwritten signature in cursive script, appearing to read "Craig M. Hansen".

Craig M. Hansen  
ADM for Minerals

Enclosures: 5 APD's

bcc: State of Utah, BLM  
Well  
Chron  
3162.3-1  
McKee

AMcKee:plp



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  
HIKO BELL MINING & OIL COMPANY

3. ADDRESS OF OPERATOR  
P.O. BOX 1845, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface <sup>1805'</sup> 1879 FWL & 2207 FNL (SE $\frac{1}{4}$  NW $\frac{1}{4}$ ) SEC. 26  
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
1 $\frac{1}{2}$  MI. SOUTH OF BONANZA, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1897' 3,383'

16. NO. OF ACRES IN LEASE 1,897.92

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -0-

19. PROPOSED DEPTH 5,500'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,666' ungraded grd.

22. APPROX. DATE WORK WILL START\* March 20, 1987

5. LEASE DESIGNATION AND SERIAL NO.  
U-33441

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREED  
DIRTY DEVIL UNIT <sup>070744</sup>

8. FARM OR LEASE NAME

9. WELL NO.  
DIRTY DEVIL 22-26A

10. FIELD AND POOL, OR WILDCAT  
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC. 26, T9S-R24E

12. COUNTY OR PARISH UINTAH

13. STATE UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	10 3/4"	40.0#	250'	Circ. to surface
9 5/8"	7 5/8"	26.40#	5,500'	Circ. to Surface

Propose to drill 5,500' Wasatch test. Plan to drill 12 $\frac{1}{4}$ " hole to 250' and set 250' of 10 3/4" surface casing, circulating cement to surface. Plan to drill 9 7/8" hole to T.D. 5,500' and set 5,500' of 26.4# production string. Plan to use fresh water to 3,200' as circulating medium and convert to Kcl water from 3,200' to T.D.

**RECEIVED**  
JUL 06 1987  
DIVISION OF  
OIL, GAS & MINING

~~MAR 1987~~  
MAY 1987  
RECEIVED  
Vernal, Utah

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 Robert E. Covington TITLE Manager, Operations DATE 3-10-87

(This space for Federal or State office use)

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

APPROVED BY Herald E. Fenwick TITLE ASSISTANT DISTRICT MANAGER DATE 6/30/87

CONDITIONS OF APPROVAL, IF ANY: Acting

Resubmittal 52  
UIC 80-211-43  
22 to copy

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Hiko Bell Mining and Oil Co. Well No. Dirty Devil 22-26A

Location Sec. 26 T.9S., R.24E. Lease No. U-33441

Onsite Inspection Date \_\_\_\_\_

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 Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

**A. DRILLING PROGRAM**

**1. 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 encountered to Wayne Svejnoha of this office. Copies of State of Utah form, OGC-8-X, will be acceptable. If noticeable water flows are encountered, submit samples to this office along with any water analyses conducted by the operator.

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

**2. Pressure Control Equipment**

The ram-type preventers shall be pressure tested to 2100 psi. The annular bag-type preventer shall be pressure tested to 1500 psi.

All BOPE and testing procedures will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least

daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

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

3. Casing Program and Auxiliary Equipment

All casing strings will be tested to 0.2 psi/foot or 1000 psi whichever is greater.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

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

5. Coring, Logging and Testing Program

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

If a mud log is compiled, submit a copy of the report to this office.

If a well is cased and the production string is cemented, a cement bond log (2BL) shall be run to determine cement top and percentage of bonds.

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

6. 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

A0. If operations are to be suspended, prior approval of the A0 will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the A0 within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

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

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

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the A0, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the A0 will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified

in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

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

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

7. Other Information

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

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

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 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 the API standards for liquid hydrocarbons and the AGA standard 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 work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"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."

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.

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).

In the event after-hour approvals are necessary, please contact one of the following individuals:

Craig M. Hansen (801) 247-2318  
Assistant District Manager  
for Minerals

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

R. Allen McKee (801) 781-1368  
Petroleum Engineer

Revised October 1, 1985

Date NOS Received March, 18, 1987

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator Hiko Bell Mining and Oil Company

Well Name & Number Dirty Devil No. 22-26A

Lease Number U-33441

Location SE ¼ NW ¼ Sec. 26 T. 9S. R. 24E.

Surface Ownership Public Lands administered by BLM

(Per June 2, 1987 review of APD)

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Planned Access Roads--describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
  - A. Length - The map indicates a road of about 3/4 mile length for new access. About 1500 feet of this is a present pipeline service road.
  - B. Width - 30 foot right-of-way with 18 foot running surface maximum.
  - C. Maximum grades - \_\_\_\_\_
  - D. Turnouts - None planned
  - E. Drainage design - The road will stay east of the major drainage near the start of the new access road. If appropriate borrow pits and water bars will be included in the road design.
  - F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - Low water crossings are probably adequate.

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

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. 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.

2. Location of Existing and/or Proposed Facilities

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain 1½ times the storage capacity of the battery. The integrity of the dike must be maintained.

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

### 3. Location and Type of Water Supply

A. The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

### 4. Methods for Handling Waste Disposal

Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

#### On BLM administered lands:

The reserve pit shall not be lined, unless a liner is required to conserve water and control excessive seepage during drilling and completion activities.

Produced waste water will be confined to the reserve pit or a smaller unlined pit on location or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. During the 90-day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

### 5. Well Site Layout

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

The location would be rotated as discussed at the March 23 onsite about 180° from the layout submitted in the APD. The reserve pit will be located on the south side of the location. The wellsite was moved 70° south and 70° west of the original staking at the time of the onsite prior to the rotation.

The stockpiled topsoil will be stored on the east side of the location.

Access to the well pad will be from the west side of the location. The access road will proceed northwest for about 3/4 of a mile. The first 1500' of the access follows an existing buried flowline.

6. Plans for Restoration of Surface

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within one year from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a 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).

An appropriate seed mixture will be determined by the BLM at the time restoration activities are scheduled to begin.

All seeding will be done from September 1, until the ground freezes.

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 mixtures and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

7. Surface Ownership: Public lands administered by the BLM.

## 8. Other Additional Information

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties which are listed, or may be eligible for listing, in the NRHP.

If, during operations, any archaeological or historical sites, or any object 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.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.

### Additional Surface Stipulations for BLM

The operator or his contractor shall contact the BLM Office at (801) 789-1362 (BLM) between 24 and 48 hours prior to construction activities. Contact the Bookcliffs Resource Area.

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.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

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.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 7, 1987

Hiko Bell Mining and Oil Company  
P. O. Box 1845  
Vernal, Utah 84078

Gentlemen:

Re: Dirty Devil Unit 22-26A - SE NW Sec. 26, T. 9S, R. 24E  
2207' FNL, 1879' FWL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule 203, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. All well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of the time that a new well is spudded or a change in operations or interests necessitates a change in Entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
Hiko Bell Mining and Oil Company  
Dirty Devil Unit 22-26A  
July 7, 1987

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31800.

Sincerely,



R. S. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Budget Bureau No. 1004-0-1  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. U-33441  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME 092220  
7. UNIT AGREEMENT NAME DIRTY DEVIL UNIT  
8. FARM OR LEASE NAME  
9. WELL NO. DIRTY DEVIL 22-26A  
10. FIELD AND POOL OR WILDCAT WILDCAT  
11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA 24 Sec. 26, T9S-R24E  
12. COUNTY OR PARISH UINTAH  
13. STATE UTAH

1. OIL WELL  GAS WELL  OTHER   
2. NAME OF OPERATOR HIKO BELL MINING & OIL COMPANY  
3. ADDRESS OF OPERATOR P. O. Box 1845, Vernal, Utah 84078  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1809 FWL & 2277 FNL (SE 1/4 NW 1/4) Sec. 26  
14. PERMIT NO. 43-047-31800  
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,666' Ungraded grd

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

NOTICE OF INTENTION TO: TEST WATER SHUT-OFF  PULL OR ALTER CASING  FRACTURE TREAT  MULTIPLE COMPLETE  SHOOT OR ACIDIZE  ABANDON\*  REPAIR WELL  CHANGE PLANS  (Other)   
SUBSEQUENT REPORT OF: WATER SHUT-OFF  REPAIRING WELL  FRACTURE TREATMENT  ALTERING CASING  SHOOTING OR ACIDIZING  ABANDONMENT\*  (Other)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We would like to change the proposal for Permit #43-047-31800 to the following:  
Plan to drill 13 3/4 in. hole to 250 feet and set 250 feet of 9 5/8 in. surface casing - cementing casing to BLM requirements.  
Plan to drill 8 3/4 in. to plus or minus 4,400 feet and set plus or minus 4,150 feet of 7 in. 23 lb. J55 or K55 casing - cementing of 7 in. casing will be done to BLM requirements and specifications.  
Plan to drill 6 1/4 in. hole to TD 5,500 feet and run plus or minus 1,100 feet of 4 1/2 in. 10 1/2 lb. J55 or K55 slotted liner.  
Plan to drill the above well using air as circulating medium and if during course of drilling this becomes impossible, to convert to KCL water or a petroleum based fluid.  
Would like to build location the 24th or 25th of September, 1987, and commence setting surface on the 28th or 29th of September, 1987, and continue to completion

18. I hereby certify that the foregoing is true and correct  
SIGNED: Robert E. Livingston TITLE: Manager/Operations DATE: 9-16-87

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
Federal approval of this action is required before commencing operations.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: 9-21-87  
BY: John R. Boyer

\*See Instructions on Reverse Side

# FILING FOR WATER IN THE STATE OF UTAH

RECEIVED

SEP 28 1987

## APPLICATION TO APPROPRIATE WATER RIGHTS SALT LAKE

Rec. by gms  
 Fee Rec. 30.00  
 Receipt # 73053  
 Microfilmed  
 Roll # 102702

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

43-047-31800

**TEMPORARY**

WATER USER CLAIM NO. 49 - 1434

APPLICATION NO. T62860

1. PRIORITY OF RIGHT: September 23, 1987

FILING DATE: September 23, 1987

2. OWNER INFORMATION

Name: Hiko Bell Mining and Oil Co.  
 Address: P. O. Box 1845, Vernal, UT 84078  
 The land is not owned by the applicant(s), see explanatory.

Interest: 100 %

3. QUANTITY OF WATER: 4.0 acre feet (Ac. Ft.)

4. SOURCE: White River DRAINAGE: SE Uinta Basin  
 which is tributary to Green River  
 which is tributary to Colorado River

POINT(S) OF DIVERSION:

COUNTY: Uintah

(1) N. 400 feet, W. 1850 feet, from the E $\frac{1}{2}$  Corner of Section 2,  
 Township 10 S, Range 24 E, SLB&M

Description of Diverting Works: pumped into tank trucks

COMMON DESCRIPTION: 1.5 Mi. South of Bonanza

5. NATURE AND PERIOD OF USE

Oil Exploration From September 23 to September 23.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Drilling and completion of Dirty Devil Unit #22-26A

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter				
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
9 S 24 E 26								X									

All locations in Salt Lake Base and Meridian

EXPLANATORY

Land is leased from BLM

\*\*\*\*\*

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

\*\*\*\*\*

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

\*\*\*\*\*

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

  
Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

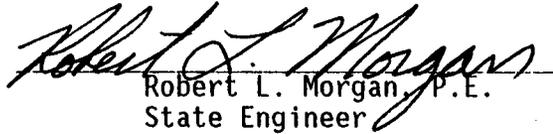
WATER RIGHT NUMBER: 49 - 1434

APPLICATION NO. T62860

1. September 23, 1987 Application received.
  2. September 27, 1987 Application designated for APPROVAL by RWL and KLJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated October 14, 1987, subject to prior rights and this application will expire on October 14, 1988.

  
Robert L. Morgan, P.E.  
State Engineer



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
HiKo Bell mining & Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 1845, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1809 FWL & 2277 FNL  
(SE/4 NW/4) Sec 26

14. PERMIT NO.  
43-047-31800

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5666 Ungraded GRD

5. LEASE DESIGNATION AND SERIAL NO.  
U-33441 *Orl.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
122916

7. UNIT AGREEMENT NAME  
Dirty Devil Unit

8. FARM OR LEASE NAME

9. WELL NO.  
Dirty Devil 22-26A

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Sec 26, T9S, R24E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

10-19-87 Depth 4330' P&A. Drilled 6 1/4" hole from 3813' to 4330'  
9 5/8" @ 264' 7" @ 3798'  
Plugged well from 4330' - 3667' w/115 sks reg. cement  
8.7#/gallon mud from 3667' to 100'.  
Plugged 7" from 0-100' w/20 sks reg.  
Installed abandonment marker.  
Job complete @ 4:00pm 10-19-87

No casing pulled

Tops: Uintah - Surface  
Green River - 1025'  
Wasatch - 3550'  
T.D. 4330'

NOV 1987  
RECEIVED

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

SIGNED *J. H. Stone* TITLE Consulting Engr. DATE 11-2-87

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

COMPANY: Hiko Bell Mining & Oil Company UT ACCOUNT # N0470 SUSPENSE DATE: 12-29-87

WELL NAME: 22-26A

API #: 43-047-31800

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: Robert Covington

SEC, TWP, RNG: 26 9S 24E

CONTACT TELEPHONE NO.: (801) 789-3233

SUBJECT: Well completion report discrepancy's.

(Use attachments if necessary)

RESULTS: Well no. changed from 22-27 to 22-26A. Date spudded changed from 10-30-86 to 9-30-87. Api # changed from 43-042-31800 to 43-047-31800. Mr. Covington requested that I correct the typing errors and send him out a copy.

(Use attachments if necessary)

CONTACTED BY: L. Romero

DATE: 12-29-87

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO. Art.  
6. IF INDIAN ALLOTTEE OR TRIBE NAME 11-33441-122917  
7. NET AGREEMENT NAME County, Dev. Unit  
8. LEASE NAME County, Dev. Unit

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP EN  PLUG BACK  DIFF. RESER.  Other

2. NAME OF OPERATOR N-0470 HIKO BELL MINING & OIL COMPANY

3. ADDRESS OF OPERATOR P.O. BOX 1845, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1809 FWL & 2277 FNL (SE 1/4 NW 1/4) SEC. 26  
At top prod. interval reported below  
At total depth SAME

9. WELL NO. 22-27 22-26A

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 26 T9S-R24E

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. PERMIT NO. 43-047-31800 DATE ISSUED 43-047-31800

15. DATE SPUNDED 9-30-87 16. DATE T.D. REACHED 10-18-87 17. DATE COMPL. (Ready to prod.) 10-19-87 18. ELEVATIONS (DF, RNR, RT, GR, ETC.)\* 56669R. 5676KB 19. ELEV. CASINGHEAD 5668

20. TOTAL DEPTH, MD & TVD 4330 21. PLUG, BACK T.D., MD & TVD P & A 22. IF MULTIPLE COMPL., HOW MANY\* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0-4330 CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN None 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40#	264'	12 1/4"	CIRC. TO SURFACE	none
7"	23#	3798'	9 7/8"	115 sx Reg. cement	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number) None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.\* PRODUCTION

DATE FIRST PRODUCTION -0- PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) -0- WELL STATUS (Producing or shut-in) 10-19-87 P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) None TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Robert E. Leming Jr. TITLE SEC.-TREAS. DATE 12-10-87

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP		DESCRIPTION, CONTENTS, ETC.	BOTTOM	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH			NAME	MEAS. DEPTH
Uintah	Surface		SS, tan-buff, slightly calcareous, w/s interbedded grn & gry shale.	1025	Surface	same
Green River	1025		Marlstone, tan, bugg, brn, dolomitic, w/some interbedded fine grned, sltstn, and few thin gry dolemetic limestones, in part oolitic & ostracodal	3550	1025	"
Wasatch	3550		Shale, gry, grn, red, calcarious, in part fine grn, sandy w/s thin, interbedded sltstn & ss beds, hard, tite, no show	Not reached to	3550	"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sec. 26

T. 9 S

R. 24 E

SL Mer.

Ref. No. \_\_\_\_\_

INDIVIDUAL WELL RECORD

Date June 30, 1987

0		
26		

FEDERAL

Lease No. U-33441

State Utah

Lessee Hiko Bell Mining & Oil Company

County Uintah

Field Wildcat (Bitter Cr-Red Wash)

Operator Hiko Bell Mining & Oil Company

Unit/CA \_\_\_\_\_

Well Name & No. Dirty Devil #22-26A

District Vernal

A.P.I. Well No. 43-047-31800

Subdivision SE/NW

Location 1809' FWL 2277' FNL

Date Drilling Approved June 30, 1987

Well Elevation 5,666' Ungraded Feet

Date Drilling Commenced October 30, 1986

Total Depth 4330 Feet

Date Drilling Ceased October 19, 1987

Initial Production \_\_\_\_\_

Date Completed For Production \_\_\_\_\_

Gravity A.P.I. \_\_\_\_\_

FAN  
Abandonment Approved (Final) September 29, 1993

Initial Reservoir Pressure \_\_\_\_\_

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE

LOWEST TESTED

NAME

DEPTHS

CONTENTS

SURFACE MANAGEMENT AGENCY	<u>BLM</u>
MINERAL OWNERSHIP	<u>Fed</u>
LEASE EXPIRATION	_____

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<u>1986</u>										<u>SPUD</u>		
<u>1987</u>										<u>ABD</u>		
<u>1993</u>									<u>PTA</u>			
				<u>OCT 22 1993</u>								
				<u>DIVISION OF OIL, GAS &amp; MINERAL</u>								

Production Memorandum \_\_\_\_\_ Lease Extension Memorandum \_\_\_\_\_ Confirmation \_\_\_\_\_

Remarks \_\_\_\_\_