

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Hiko Bell Mining & Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Drawer AB, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1935' FWL & 724' FNL  
 At proposed prod. zone Section 7, T10S-R17E, S1M  
 Duchesne Co., Utah 5956 GR.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 25 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1935'

16. NO. OF ACRES IN LEASE  
 1746.1

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.  
 3200'

19. PROPOSED DEPTH  
 6200'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GR. 5956

22. APPROX. DATE WORK WILL START\*  
 Feb. 21, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4"      | 9 5/8"         | 24# new         | 300           | Circ to surface    |
| 7 7/8"       | 5 1/2"         | 15.5# new       | 6200          | 440 sx.            |

CEMENT SHOULD BE SUFFICIENT TO PROTECT OIL SHALE

Propose to drill a 6200' Wasatch test. KCl water will be used for drilling with gel to drill a 7 7/8" hole to 6200 feet and set 5 1/2" casing in commercial production is established.

The sands in the lower Green River Formation will be tested for oil and gas. The sands in the top of the Wasatch Formation will also be tested for oil and gas.

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 of Exploration DATE Nov. 30, 1982  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE JAN 3 1983  
 FOR E. W. GUYNN  
 APPROVED BY [Signature] TITLE DISTRICT OIL & GAS SUPERVISOR DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

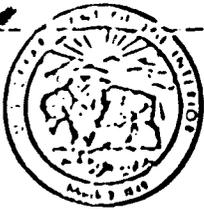
\*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

Hiko Bell Mining and Oil Company  
Well No. 21-7  
Section 7-10S-17E  
Duchesne County, Utah  
Lease U-50972

Supplemental Stipulations:

1. Traveling off the right-of-way will not be allowed. Width of access roads, both existing and planned, will be 30 feet total disturbed area. Turn-outs will not be required.
2. Burn pits will not be constructed. There will be no burying of garbage or trash at the well site. Refuse will be contained in trash cages and hauled to the nearest sanitary landfill. No trash will be thrown in the reserve pit.
3. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pit.
4. Water for this location will be hauled from Pariette Draw in T.8S. R.18E., Section 27.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
6. The top 6-10 inches of topsoil will be stockpiled as addressed in the applicant's 13 point plan.
7. All permanent (onsite for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with OSHA (Occupational Safety and Health Act) standards are excluded.
8. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany zone of the the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin).



# United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

February 2, 1981

## General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale: These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
  2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
  3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

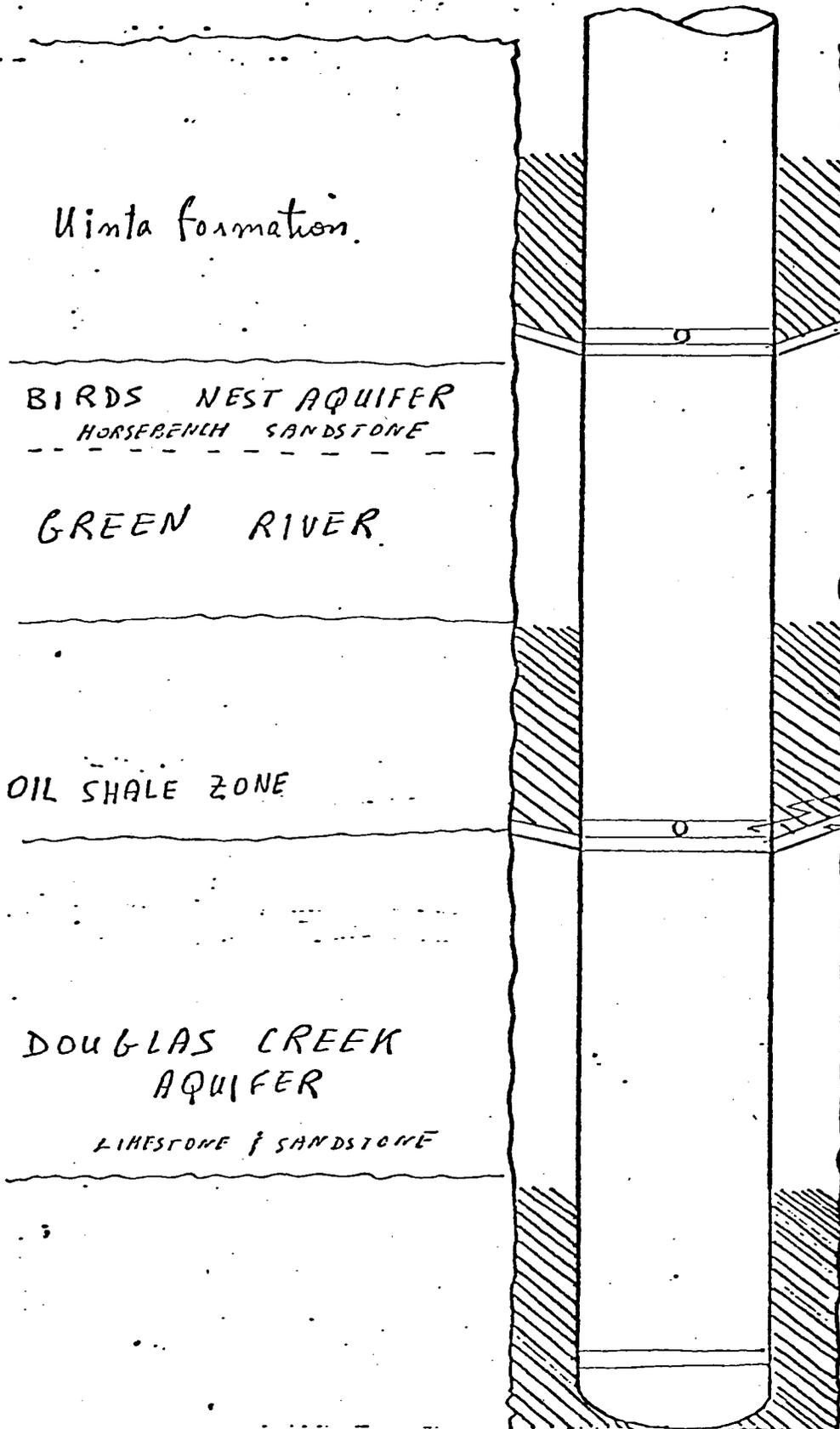
Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn  
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS  
 NATURAL BUTTES FIELD. HINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED  
 50' ABOVE TOP AQUIFER  
 CEMENT TO RISE A  
 LEAST 300' IN ANNULUS.

STAGE COLLAR  
 CEMENT BASKET.

CEMENT BASKET IS SET AT  
 CONSOLIDATED SECTION AT THE  
 BASE OF THE OIL SHALE ZONE  
 CEMENT TO REACH THE TOP  
 OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE  
 OF LOWER AQUIFER

PARTIAL CASING & CEMENTING PROGRAM  
FOR WELLS IN THE

WHITE MULE SPRINGS OIL  
& GAS FIELD  
DUCHESNE CO., UTAH

NOT TO SCALE

UINTA FORMATION

BIRDS NEST AQUIFER  
Horsebench Sandstone

GREEN RIVER

OIL SHALE ZONE

DOUGLAS CREEK  
AQUIFER  
Limestone & Sandstone

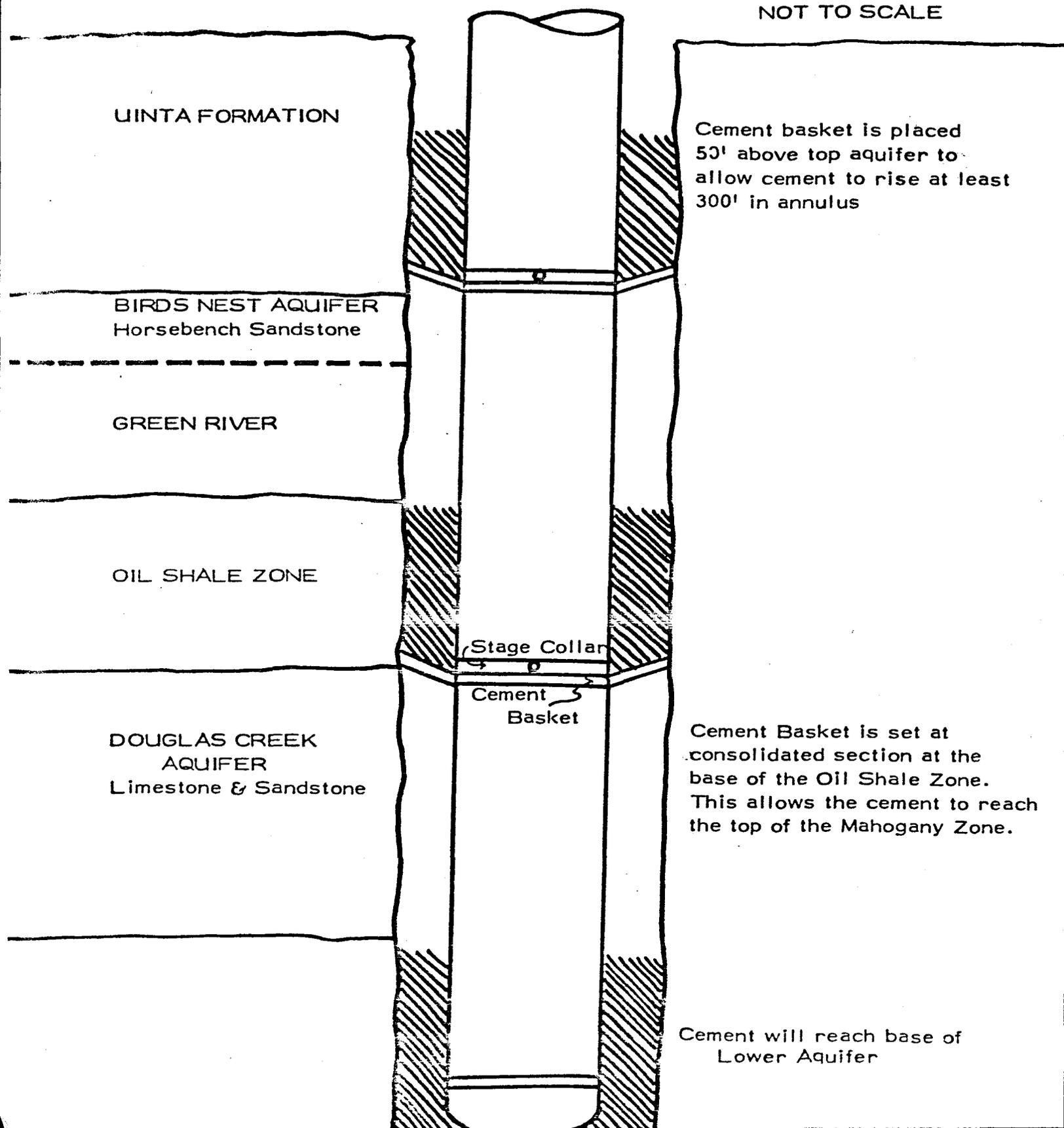
Cement basket is placed  
50' above top aquifer to  
allow cement to rise at least  
300' in annulus

Stage Collar

Cement  
Basket

Cement Basket is set at  
consolidated section at the  
base of the Oil Shale Zone.  
This allows the cement to reach  
the top of the Mahogany Zone.

Cement will reach base of  
Lower Aquifer



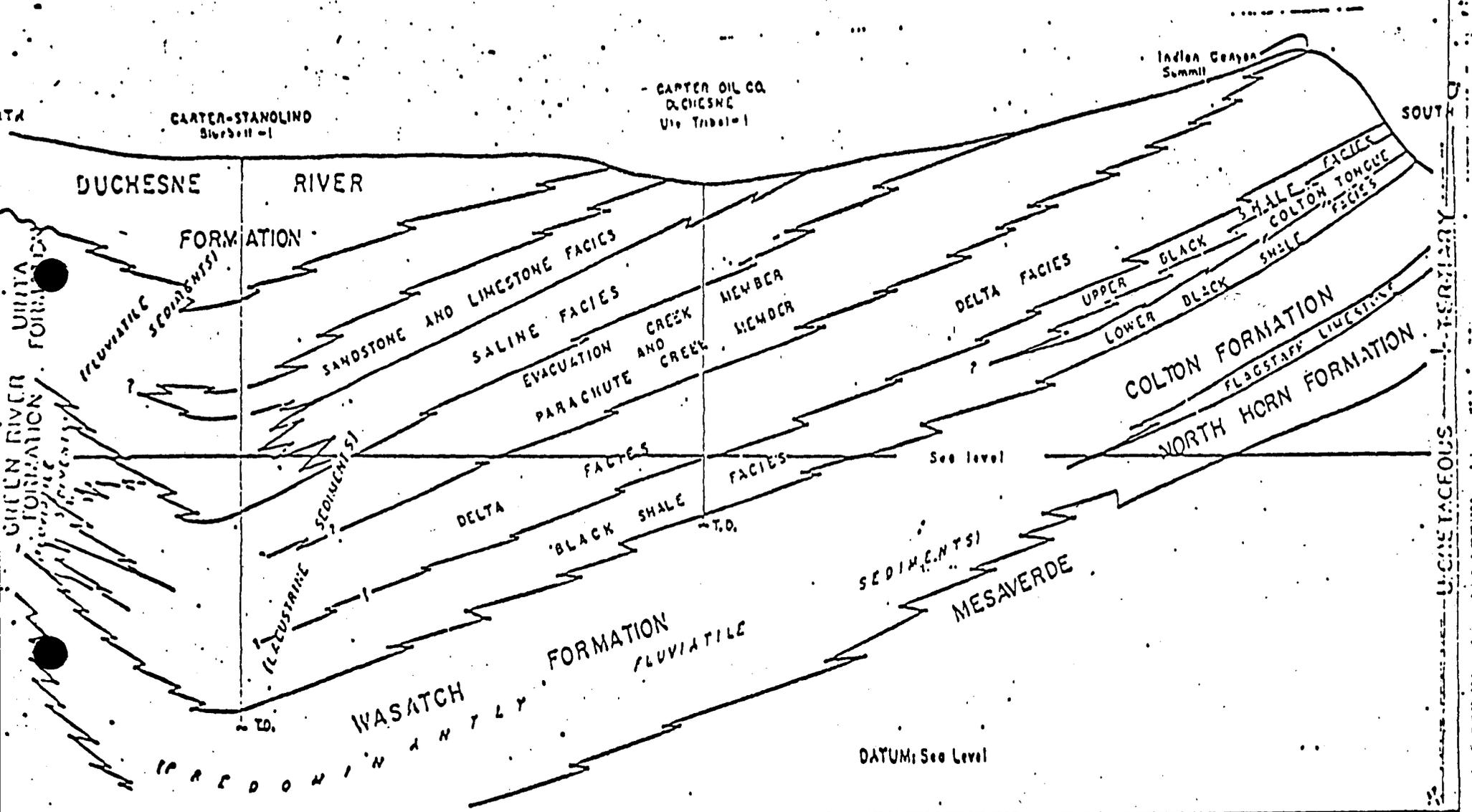
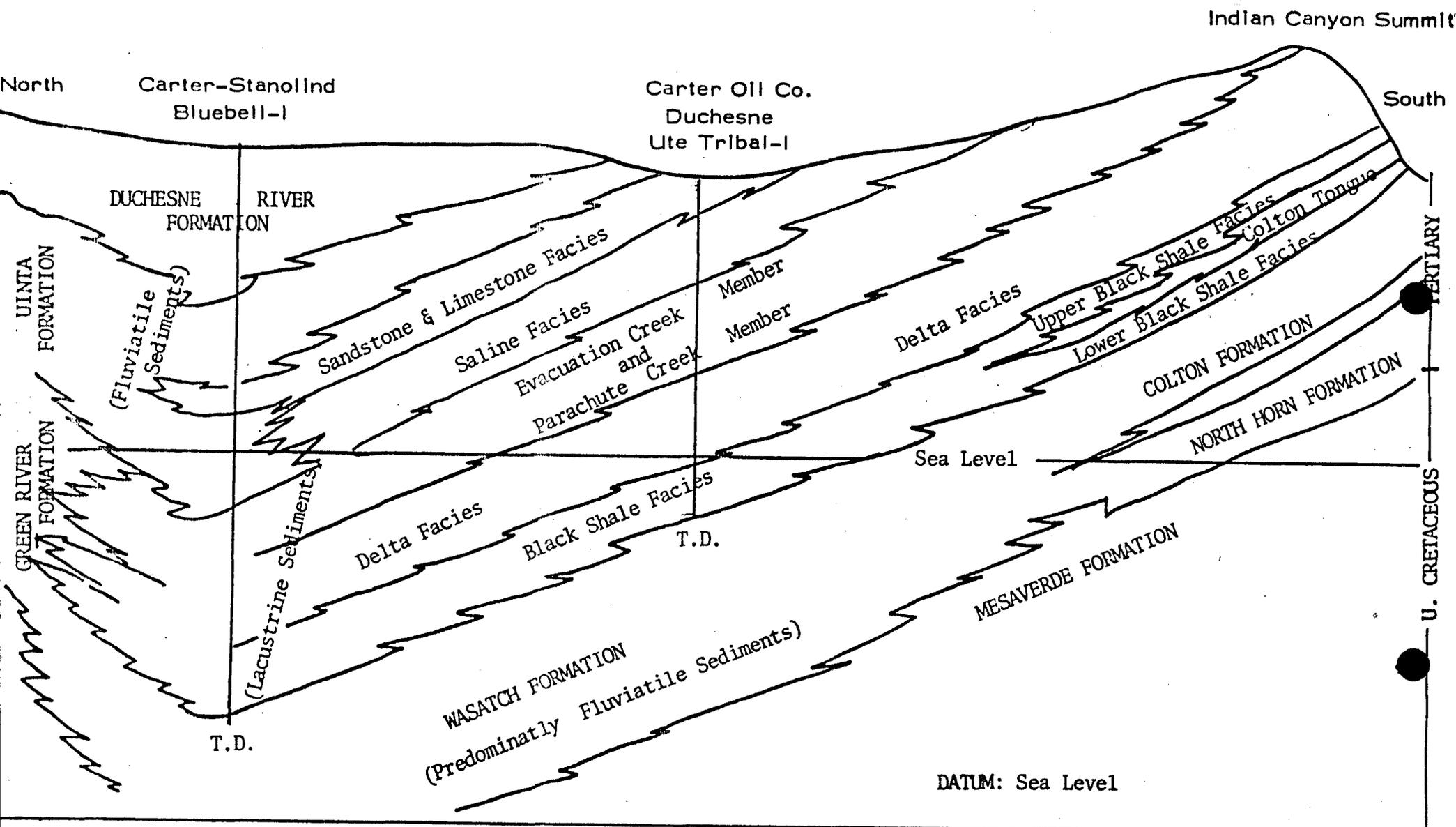


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.



View east of cross section of Uinta Basin showing stratigraphy and intertongling of Tertiary rocks. Ute Tribal-1 (in cross section) is located about 8 miles southeast of the application area.

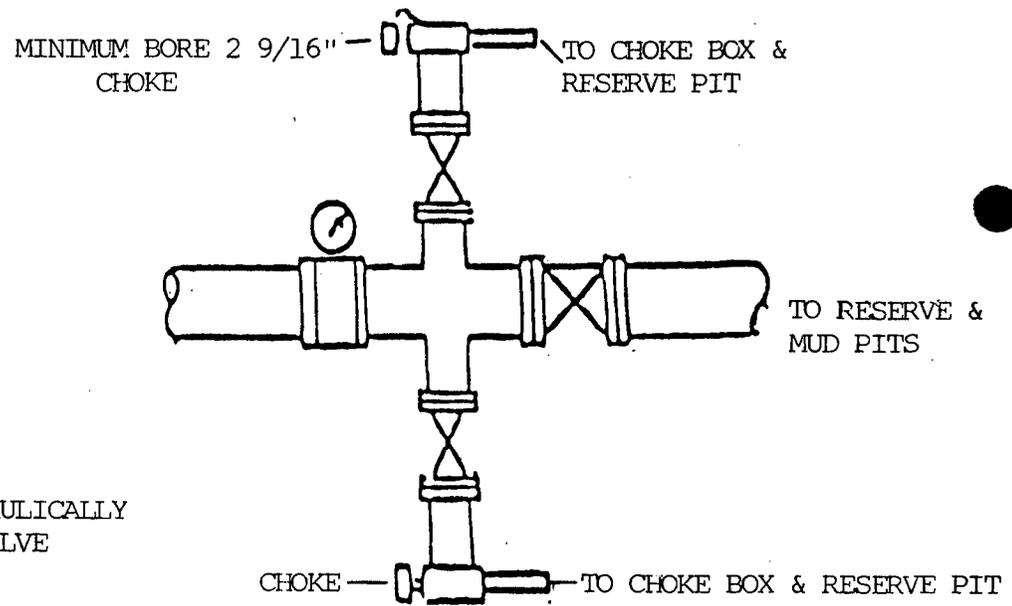
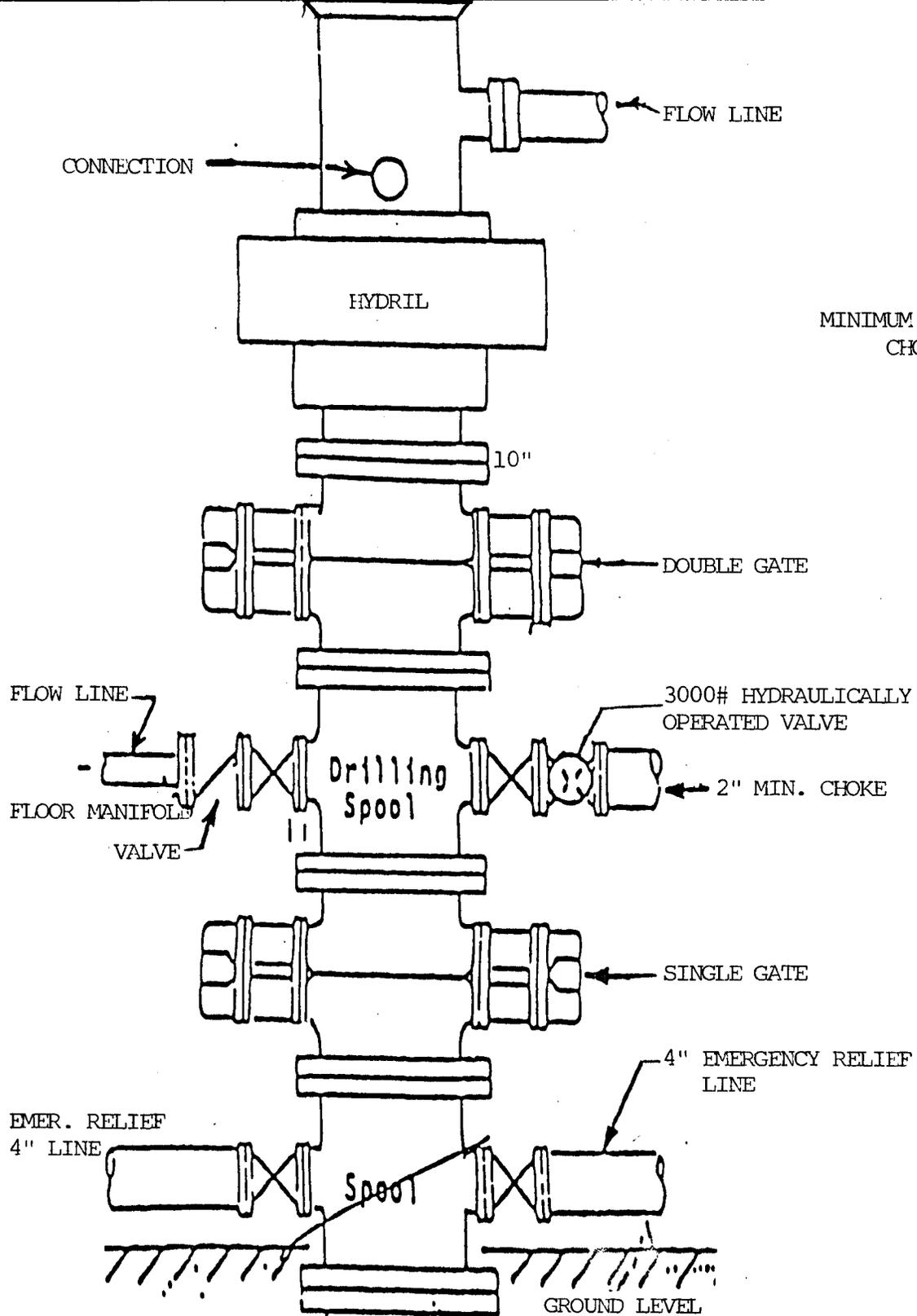


DIAGRAM "C"

HIKO BELL MINING & OIL COMPANY

WHITE MULE SPRINGS OIL  
 AND GAS PROSPECT

DUCHESNE CO., UTAH

CULTURAL RESOURCE INVENTORY OF  
FOUR WELL PADS AND ACCESS ROADS  
NEAR WILKIN RIDGE, DUCHESNE COUNTY, UTAH

Cultural Resources Reports

Number 82-8

Submitted to

Bureau of Land Management  
Vernal District  
Diamond Mountain Resource Area  
170 South 500 East  
P.O. Box F  
Vernal, Utah 84078

by

Alan R. Schroedl  
Principal Investigator  
P-III Associates  
419 Boston Building  
9 Exchange Place  
Salt Lake City, Utah 84111

November 24, 1982

Work Completed Under  
Department of Interior Antiquities Permit Number 82-UT-172

Summary Report of  
Inspection for Cultural Resources

BLM Report ID No. 1111-1111111111111111  
Report Acceptable Yes  No   
Mitigation Acceptable Yes  No   
Comments: \_\_\_\_\_

Report Title FOUR WELL PADS - DUCHESENE CO 40

Development Company Hiko Bell Mining and Oil Company

Report Date 11 24 1982  
41 42 MONTH 43 YEAR 46

4. Antiquities Permit No. 82-UT-172

Responsible Institution P-I-I-I A S S O C I A T E S County Duchesne  
47 61

Fieldwork Location: TWN 10S Range 17E Section(s) 5 6 7 8  
62 65 66 69 70 71 72 73 74 75 76 77

TWN 78 Range 82 Section(s) 86 87 88 89 90 91 92 93  
81 82 85

Resource Area DM TWN 94 Range 98 Section(s) 102 103 104 105 106 107 108 109  
110 111 94 97 98 101

PO= PONY EXPRESS, BR= BEAR RIVER, PR= PRICE RIVER, WS= WARM SPRINGS  
BC= BOOK CLIFFS, HR= HOUSE RANGE, SE= SEVIER RIVER  
HM= HENRY MOUNTAINS, BE= BEAVER RIVER, DX= DIXIE  
KA= KANAB, ES= ESCALANTE, SJ= SAN JUAN, GR= GRAND  
SR= SAN RAFAEL, DM= DIAMOND MOUNTAIN

Fill in spaces 65, 69, 81, 85, 97, 101 Only if  
V= Vernal Meridian  
H= Half Township

Description of Examination Procedures: The area of direct impact (roughly 300' by 300') plus a 10 m buffer zone on each side, was inventoried at each drill pad. The survey was conducted on foot, in adjacent sweeps no more than 15 m apart. A 30 m corridor was intensively surveyed for the access routes to the well pads.

9. Linear Miles Surveyed and/or Definable Acres Surveyed and/or \* Legally Undefinable Acres Surveyed  
112 117  
118 123  
14.2  
(\*A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type I  
130  
R= Reconnaissance  
I= Intensive  
S= Statistical Sample

1. Description of Findings (attach appendices, if appropriate)  
No sites or cultural materials were observed at any of the drill pad locations or access routes. Title of report (appended): "Cultural Resource Inventory of Four Well Pads and Access Roads Near Wilkin Ridge, Duchesne County, Utah."

12. Number Sites Found: 0 131 13  
No sites= 0  
13. Collection: N Y=Yes, N=No  
136

4. Actual/Potential National Register Properties Affected: None.

15. Literature Search: Bureau of Land Management, Utah State Office, 11/23/82

6. Conclusion/Recommendations:  
Cultural resource clearance is recommended for the four well pads and access roads.

7. Signature and Title of Institutional Officer Responsible [Signature]  
Senior Consultant

## MANAGEMENT SUMMARY

In November, 1982, P-III Associates conducted a cultural resources inventory of four well pads and access roads near Wilkin Ridge on Bureau of Land Management land, Vernal District, Diamond Mountain Resource Area in Duchesne County, Utah. The project was undertaken on behalf of Hiko Bell Mining and Oil Company, Vernal, Utah.

Two of the well pads are located immediately adjacent to existing roads. The other two well pads are situated within several hundred meters of an existing road. P-III Associates intensively inventoried all four well pads and access routes to the two pads that were not next to the existing roads.

No sites were observed at any of the well pads or within the access routes. Cultural resource clearance is recommended for all of the areas inventoried by P-III Associates.

## INTRODUCTION

On November 23, 1982, P-III Associates of Salt Lake City, Utah, completed a cultural resource inventory of four oil well pads and associated access roads on Bureau of Management land in the Vernal District, Diamond Mountain Resource Area, in north-eastern Utah. The work was performed by Alan R. Schroedl, Principal Investigator, and Tim Pratt, staff archaeologist, at the request of Hiko Bell Mining and Oil Company. Ken Young of Hiko Bell accompanied the field crew during the inventory.

The project was undertaken to comply with federal historic preservation laws and Executive Order 11593 which requires inventory and evaluation of cultural resources on federal lands. The work was conducted under the provisions of P-III Associates' Department of Interior Antiquities Permit No. 82-UT-172 which expires on April 8, 1983.

## LOCATION

The four well pads are located within a four square mile area in the southern part of Duchesne County, south of Myton, Utah. Three of the pads are situated on an unnamed ridge a half mile south of White Mule Springs and Big Wash. The other well pad is located on Wilkin Ridge. Access to these well pads is by an unimproved dirt road that can be reached from the Sand Wash access road. One drill pad is located in each of sections 5, 6, 7, and 8 of T10S, R17E (Figure 1).

## METHODS

A 300 ft by 300 ft drilling area had been previously staked and flagged by Uintah Engineering at each of the well pads. This area plus a 10 m buffer zone on all four sides of the pad was intensively inventoried for each well location. The area was surveyed on foot in adjacent sweeps with no more than 15 m between surveyors. The access routes to Wells 23-8 and 44-6 had been previously staked or marked. A 30 m wide corridor was intensively inventoried in 10-15 m sweeps for each access road. The access routes for Wells 23-8 and 44-6 were 25 m and 90 m long respectively.

A search of existing records was performed at the State Office of the Bureau of Land Management to determine if there were any previously recorded cultural resources in the project area or if the project area had been previously inventoried. While considerable work has been conducted in the surrounding area, no cultural resource work has been conducted in the immediate project area. One major project has been completed in the vicinity of the well pads, a survey of the Pariette Bench by the University of Utah for the Central Utah Project in 1977 (Sisson 1977, Sisson 1978). In a survey of 2,964 acres on the Pariette Bench and Eight-Mile Flat area Sisson (1977) recorded only two sites, one historic and one prehistoric. Thus, the site density in this area of Duchesne County is apparently very low.

In 1981 AERC recorded 42DC353, the Lima Bean site, several miles to the north of the study area. A fragment of a Folsom point was recovered from this site in an area of desert pavement. This may indicate that other Paleo-Indian components could be discovered in the area.

Vernal District Archaeologist Blaine Phillips was notified both before and after completion of the survey.

#### DRILL PAD DESCRIPTION AND SURVEY RESULTS

No cultural resources, historic or prehistoric, were observed during the inventory of the four drill pads and associated access roads.

##### Well Pad 23-8

Legal Description:

SE 1/4, NE 1/4, SW 1/4, Sec. 8, T10S. R17E  
Salt Lake Principal Meridian, Duchesne County, Utah

Elevation: 5910 feet

Map Reference: U.S.G.S. 7.5' Wilkin Ridge, Utah, 1965

Area Surveyed: 120 m by 120 m square with drill hole located at the center. Approximately 25 m of a 30 m wide access road was also inventoried.

Description: The well pad is in a shallow swale on Wilkin Ridge. Vegetation is typical of the mixed desert shrub community and is dominated by the Atriplex-Tetradymia association. Vegetation noted on this and the other well pads includes Indian rice grass (Oryzopsis hymenoides), Prickly pear (Opuntia sp.), shadscale (Atriplex confertifolia), and sagebrush (Artemisia sp.). Less than 20% of the surveyed area was covered with snow.

Results: No archaeological or historical sites were observed at this location.

Recommendation: Clearance is recommended.

##### Well Pad 21-7

Legal Description:

NE 1/4, NE 1/4, NW 1/4, Sec. 7, T10S. R17E  
Salt Lake Principal Meridian, Duchesne County, Utah

Elevation: 5950 feet

Map Reference: U.S.G.S. 7.5' Wilkin Ridge, Utah, 1965

Area Surveyed: 120 m by 120 m square with the drill hole located at the center.

Description: The drill pad is located on an unnamed ridge about a half mile south of White Mule Springs. Vegetation is typical of a mixed desert shrub zone and is dominated by grasses, salt-bush and sage. Less than 20% of the area surveyed was covered with snow.

Results: No cultural resources were observed.

Recommendation: Clearance is recommended.

#### Well Pad 44-6

Legal Description:

SE 1/4, SE 1/4, SE 1/4, Sec. 6, T10S, R17E  
Salt Lake Principal Meridian, Duchesne County, Utah

Elevation: 5885 feet

Map Reference: U.S.G.S. 7.5' Wilkin Ridge, Utah, 1965

Area Surveyed: A 120 m by 120 m area was inventoried with the drill hole at the center. Approximately 90 m of a 30 m wide access road was also inventoried.

Description: The well pad is northeast of a small rise on a ridge that overlooks a tertiary drainage of Big Wash, which is half a mile to the north of the drill pad. Vegetation is sparse, and is typical of a mixed desert shrub zone. It is similar to vegetation at the other three drill pad locations. Less than 25% of the total survey area was covered with snow.

Results: No cultural resources were observed.

Recommendations: Clearance is recommended.

#### Well Pad 14-5

Legal Description:

NW 1/4, SW 1/4, SW 1/4, Sec. 5, T10S, R17E  
Salt Lake Principal Meridian, Duchesne County, Utah

Elevation: 5860 feet

Map Reference: U.S.G.S. 7.5' Wilkin Ridge, Utah, 1965

Area Surveyed: A 120 m by 120 m area was surveyed with the drill hole at the center.

Description: The well pad is located on the south side of the ridge on which drill pad 21-7 and 44-6 are located. This location overlooks a small draw to the south. The existing road runs

through a portion of the surveyed area. Vegetation is typical of the Atriplex-Tetradymia association, with an abundance of small grasses in this drill pad location. Less than 20% of the survey area was covered by snow.

Results: No cultural resources were observed.

Recommendations: Clearance is recommended.

#### RECOMMENDATIONS

Cultural resource clearance is recommended for four well pad locations and access roads to Hiko Bell Mining and Oil Company locations 23-8, 21-7, 44-6, and 14-5.

#### REFERENCES CITED

Sisson, E. B.

1977 A reconnaissance survey of Pariette Bench and Eight-Mile Flat, Uintah and Duchesne Counties, Utah. Unpublished report on file, Archeological Laboratory, University of Utah, Salt Lake City.

1978 Final report: Survey and evaluation of archeological and historical resources: Central Utah Project, 1977. Special report, University of Utah, Salt Lake City.

WILKIN RIDGE, UTAH

N3952.5—W11000/7.5

1965

AMS 3963 I NE—SERIES V897

Wash

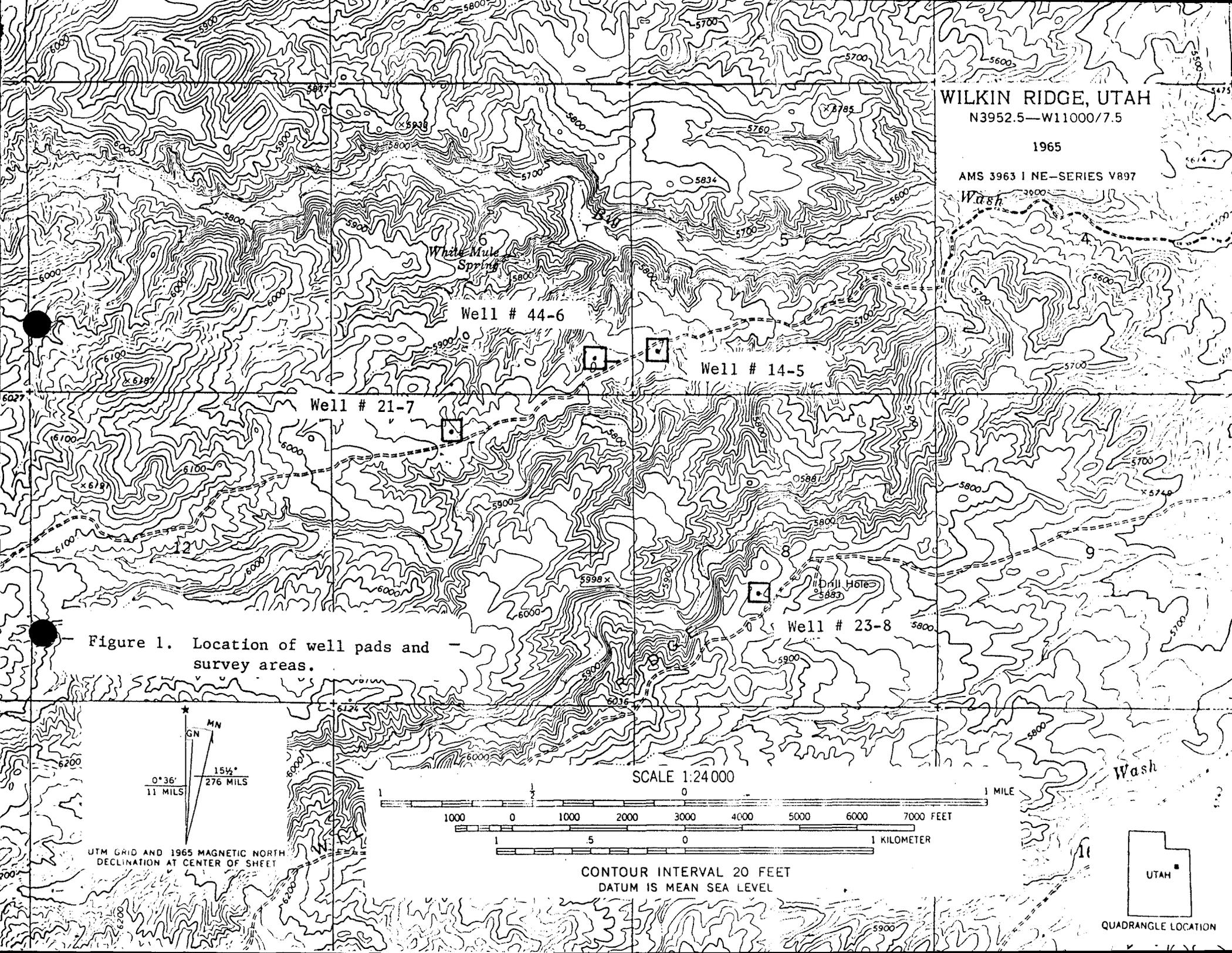
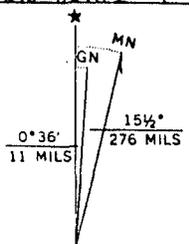
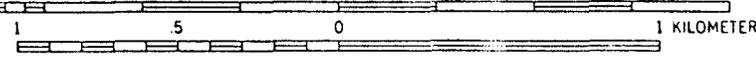
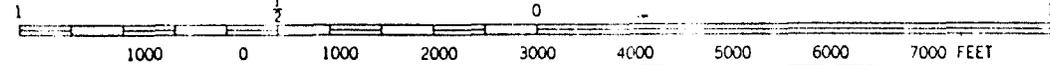


Figure 1. Location of well pads and survey areas.

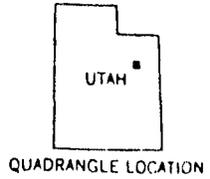


UTM GRID AND 1965 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL



QUADRANGLE LOCATION

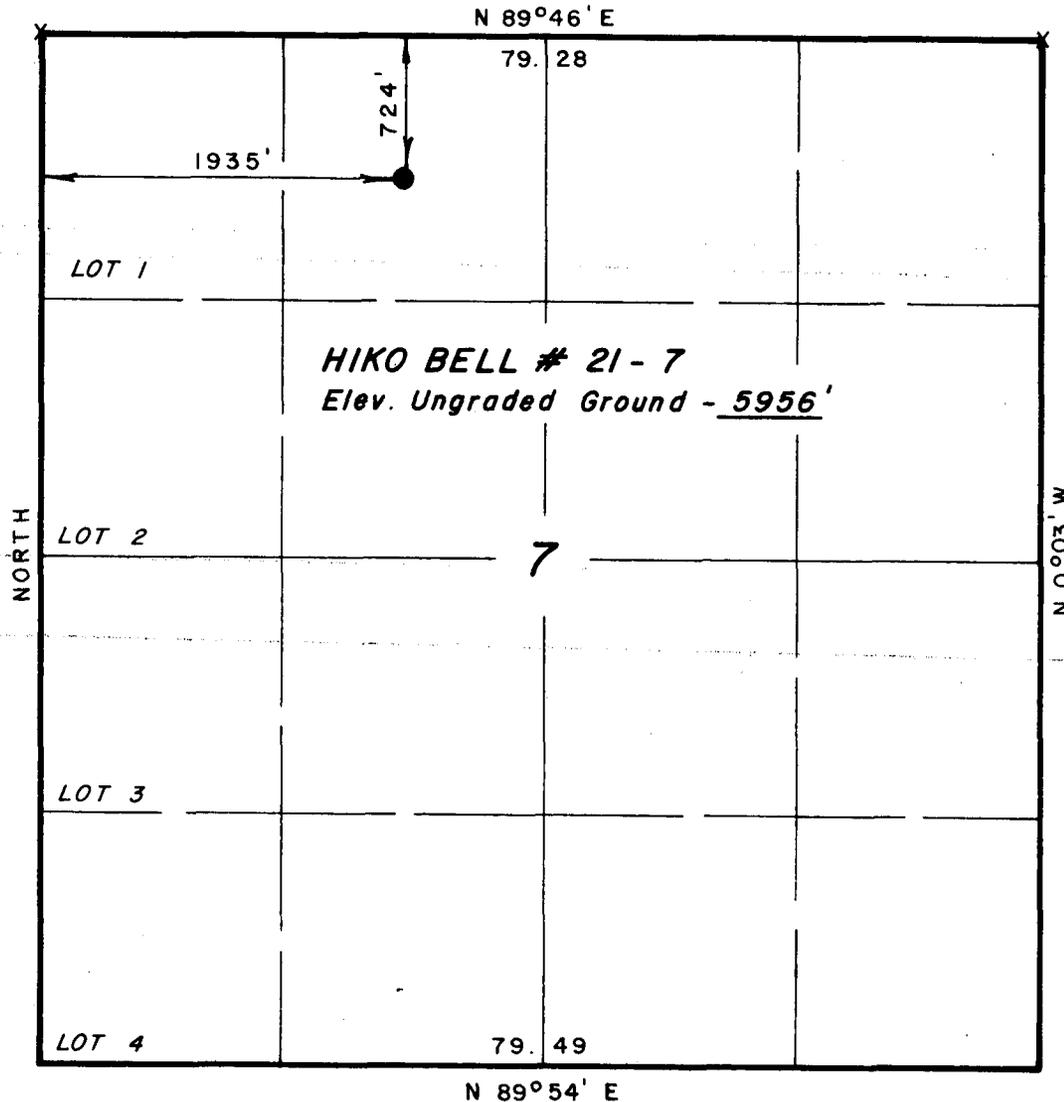


T 10 S, R 17 E, S.L.B. & M.

PROJECT

HIKO BELL MINING & OIL CO.

Well location, HIKO BELL # 21-7,  
located as shown in the NE 1/4 NW 1/4,  
Section 7, T10S, R17E, S.L.B. & M.,  
Duchesne County, Utah.



HIKO BELL # 21-7  
Elev. Ungraded Ground - 5956'



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

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

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

|         |            |      |                     |
|---------|------------|------|---------------------|
| SCALE   | 1" = 1000' | DATE | 11/26/82            |
| PARTY   | DB, RS, RS | JH   | REFERENCES GLO PLAT |
| WEATHER | COLD       | FILE | HIKO BELL           |

X = Section Corners Located

HIKO BELL MINING & OIL COMPANY

WHITE MULE SPRINGS OIL  
AND GAS FIELD  
21-7  
SEC. 7, T10S-R17E, S.L.M  
DUCHESNE COUNTY, UTAH

DRILLING PLAN

1. The geologic name of the surface formation is the Tertiary Uinta Formation.
2. Estimated tops of important geologic markers are as follows:

|  |      |
|--|------|
| Green River Formation                    | 1030 |
| Wasatch Tongue                           | 4830 |
| Green River Tongue<br>(carbonate marker) | 5237 |
| Wasatch Formation                        | 5430 |
| Proposed T.D.                            | 6200 |

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

| 4. <u>Size of Hole</u> | <u>Size of Casing<br/>&amp; Wt./ft.</u> | <u>Setting<br/>Depth</u> | <u>Quantity of<br/>Cement</u> |
|------------------------|---|--------------------------|-------------------------------|
| 12 $\frac{1}{4}$ "     | 9 5/8", 24# new                         | 300'                     | Circ to Surface               |
| 7 7/8"                 | 5 $\frac{1}{2}$ ", 15.5# new            | 6200'                    | 440 sx.                       |

5. Operator's minimum specifications for pressure control equipment is a 10", 3000 psi hydraulic blowout preventer. Blowout preventer will be tested daily. Refer to Diagram "C".
6. Fresh water base drilling mud will be used for the entire drilling operations, utilizing a dispersed mud system to total depth. Mud weight will be controlled by drilling solids. Barite will be used for weighing materials in the event of abnormal pressures being encountered.
7. Auxiliary equipment is as follows:
  1. Kelly Cocks
  2. Bit Floats
  3. A full opening-quick close drill pipe valve is to be located on the derrick floor at all times.

Drilling Plan, Continued  
Hiko Bell Mining & Oil Company  
White Mule Springs-Hiko Bell Well #21-7  
Duchesne County, Utah

Page Two

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

The logging program is as follows:

1. Mud logging unit, from 300' to T.D.
  2. Dual Induction Laterlog-T.D. to base of surface casing.
  3. BHC-Gamma Ray Sonic w/Caliper, Integrated T.D. to base of surface casing.
  4. Formations Density/Compensated Neutron, Zones of interest.
9. No abnormal pressures or temperatures are anticipated. No potential hazards such as hydrogen sulfide are expected, based upon well experience in the area.
10. The anticipated starting date is, February 21, 1983.

  
Robert E. Covington, Mngr. Explor.  
Hiko Bell Mining & Oil Company  
Vernal, Utah

HIKO BELL MINING & OIL COMPANY

13 Point Surface Use Plan

For

White Wolf Spring

White Wolf Spring

HIKO BELL #21-7

Located in

Section 7, T10S-R17E, S11N.

Duchesne County, Utah

POOR COPY

1. EXISTING ROADS

To reach the Hiko Bell Mining & Oil Company Well location White Mule Springs-Hiko Bell # , located in the of Section T10S-R17E, E.L.M., Duchesne County, Utah; proceed Southwesterly out of Hylon, Utah along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53, to the south; proceed Southerly along this Highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 - 17.8 miles to the junction of this road and an existing road to the west, proceed along this road 4 miles to the location. The location is on the north side of the road and is approximately 300 feet off of the existing road.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highway 53 and 216, the highpoint Utah State Highway is constructed out of existing native materials that are prevalent to the existing area. It is located in the ranges from clay to sandy-clay shale materials, as are the afore mentioned dirt oil field service roads and other roads in the vicinity.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase, of the well. These roads will be maintained at the standards required by the E.L.M. or other controlling agencies. The dirt roads mentioned above will be upgraded before use.

2. PLANNED ACCESS ROAD

See Topographic Map "B". There will be a limited amount of road leading to the location off of the main road. The location is approximately feet off the main road.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are three existing wells in the vicinity, which were all plugged and abandoned. They are as follows;

Phillips Petroleum Company  
Phillips-Ouray No. A-1  
NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Sec. 31, T9S-R17E, SLM  
Plugged and Abandoned

Mountain Fuel Supply  
Wells Draw No. 1  
NW $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 8, T10S-R17E, SLM  
Plugged and Abandoned

Mountain Fuel Supply  
Wells Draw No. 2  
SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 8, T10S-R17E, SLM  
Plugged and Abandoned

POOR COPY

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Hiko Bell Mining & Oil Company tank batteries, production facilities, oil gathering lines, injection lines, or disposal lines within a mile radius of this location site. Mountain Fuel has a gas line  $\frac{1}{4}$  mile west of the location.

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

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

The area will be built if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workmen crews to construct and place the proposed facilities.

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

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from Pariette Draw, at a point northeast of the well approximately 20 miles. The BLM has set aside an area for drawing water from the stream that is used by most of the operators in the area.

In the event that the above source is not used, other arrangements will be made with the proper authorities for an alternate source.

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

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

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials 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.

The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

POOR COPY

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc. will be buried in the reserve pit and covered with a minimum of four feet of earth materials. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. Waste will be hauled by truck to the nearest sanitary landfill.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, 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 or any other type of material necessary to make it safe and tight.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash baskets will be hauled to the nearest sanitary landfill. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

POOR COPY

11. OTHER INFORMATION

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

The area is a basin that lies between the Book Cliff Mountains to the south and the Uinta Mountains to the north. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the east and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish gray clay (SP-CL) to sandy clay (SP-SL) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

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

The fauna of the area is sparse and consists predominantly of mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and various birds of various and various wilds common to the area.

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

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

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

White Mule Spring-Hiko Bell #21-7 location site sits on a sloping hillside south of a non-perennial drainage which drains into the Sheep Wash and Big Wash. Sheep Wash is located 4 miles east of the location, and Big Wash is located 1 mile north of the location. Big Wash drains into Sheep Wash and Sheep Wash drains into the Green River to the East.

The geologic formation on the location is the Uinta Formation and consists of light brownish-gray clay (SP-CL) with some sandstone outcrops.

POOR COPY

11. OTHER INFORMATION -cont...

The location is covered with some sagebrush and grasses.

There are no occupied dwellings 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 I).

12. MANAGER'S OR OPERATOR'S REPRESENTATIVE

Robert E. Covington  
Manager of Exploration  
Hiko Bell Mining & Oil Company  
P.O. Drawer AB  
Vernal, Utah 84078

801-789-3233

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access road route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that work associated with the operation proposed herein will be performed by HIKO BELL MINING & OIL COMPANY and its contractors and subcontractors in conformity with the plan and terms and conditions under which it is approved.

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Robert E. Covington, Mngr. Explor.

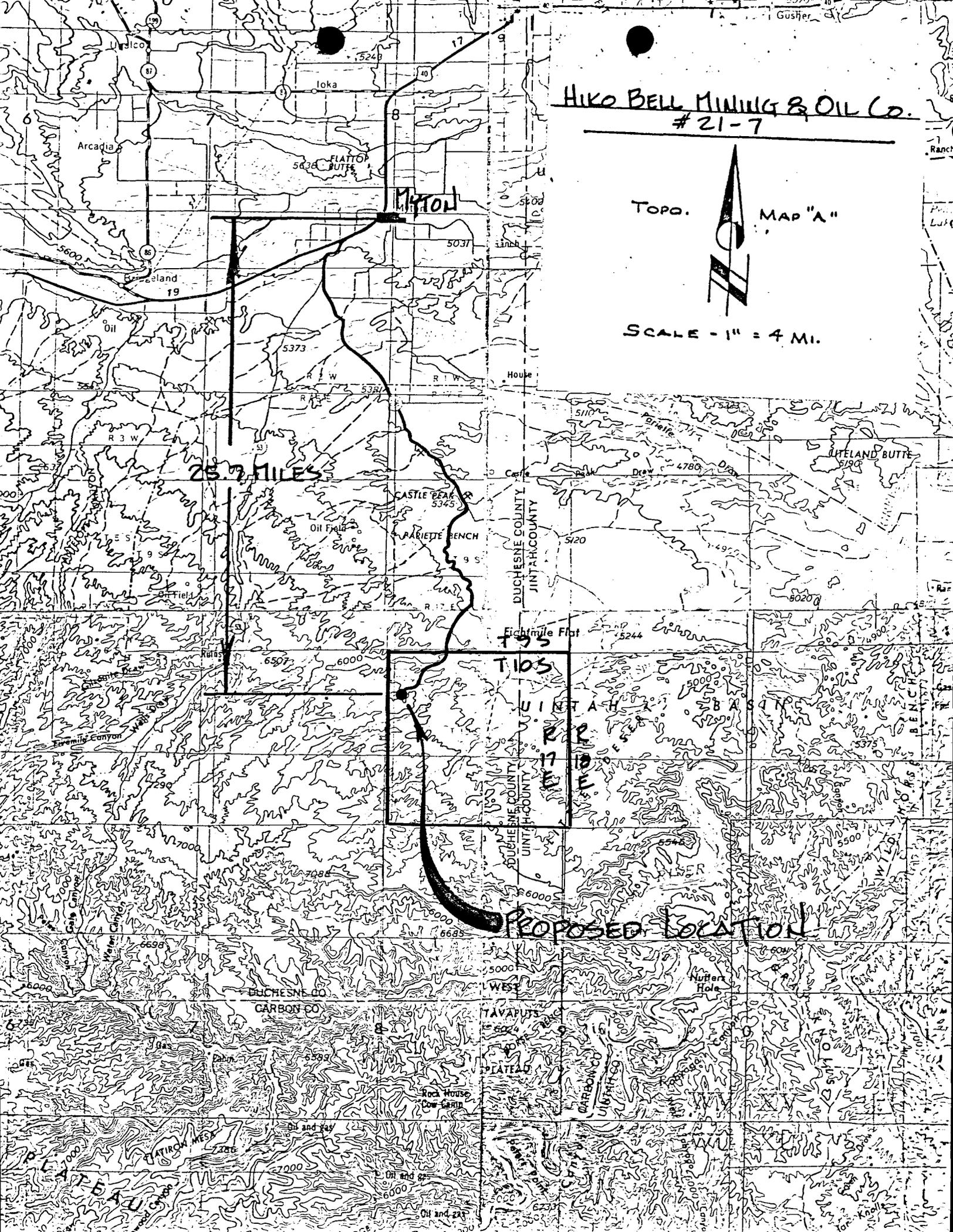
POOR COPY



Hiko Bell Mining & Oil Co.  
#21-7



SCALE - 1" = 4 MI.



25.7 MILES

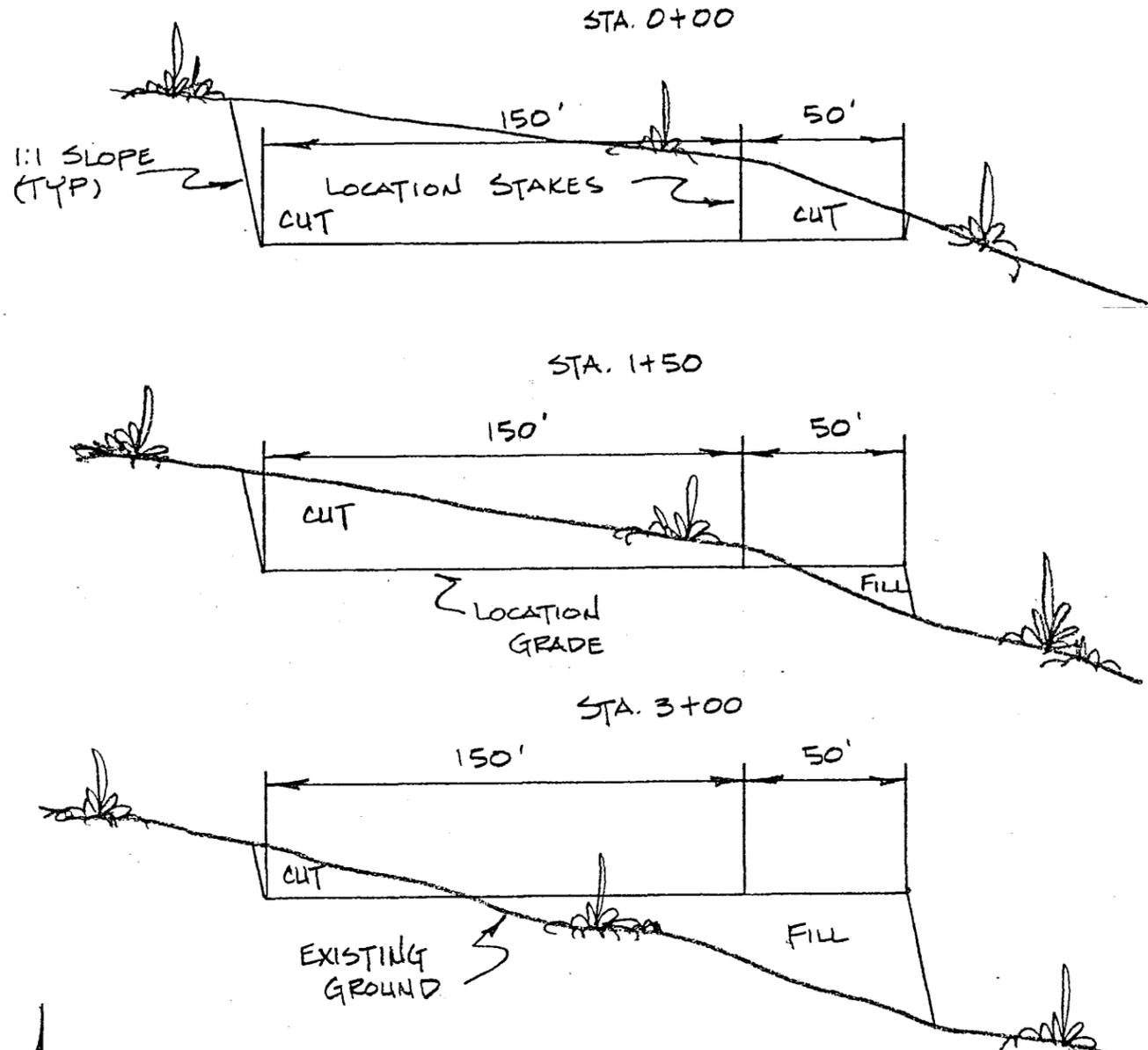
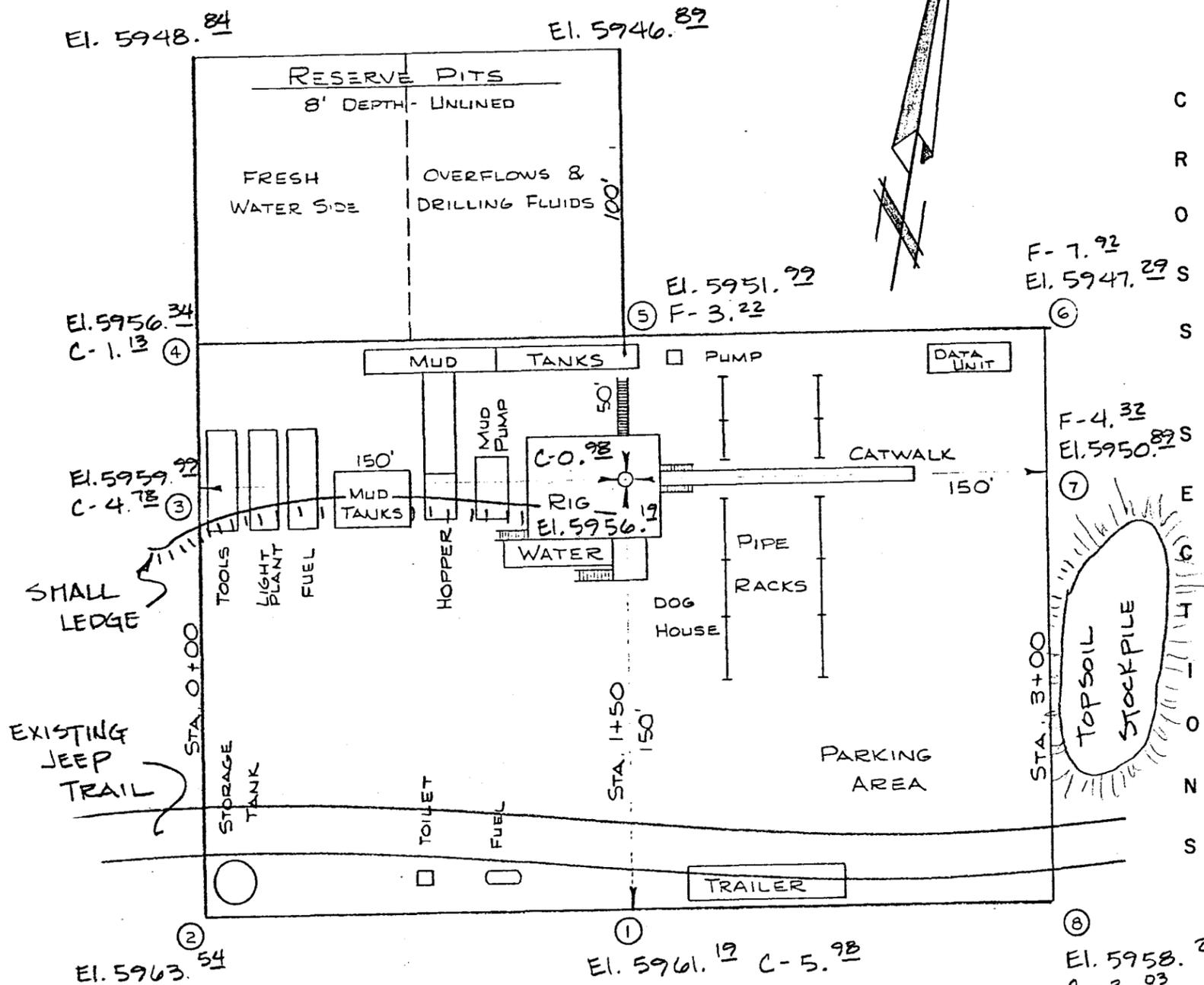
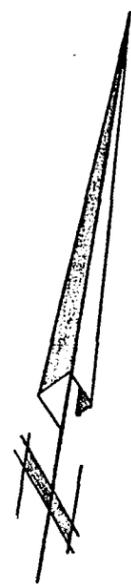
T10S  
R17E

PROPOSED LOCATION

# Hiko Bell Mining & Oil Co.

# 21-7

SCALE 1" = 50'  
11/26/82

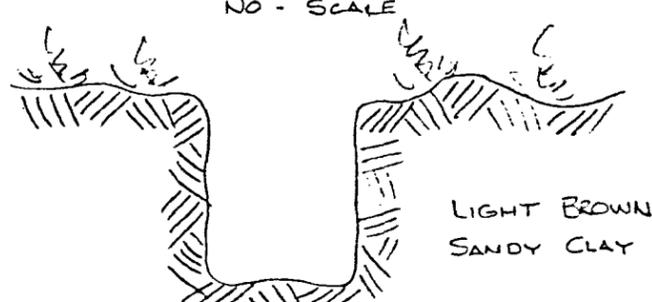


1" = 10'  
SCALES  
1" = 50'

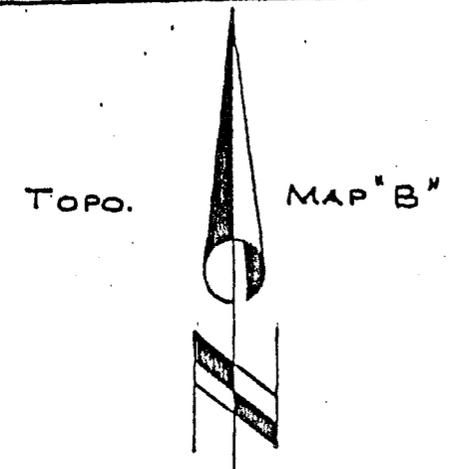
APPROXIMATE YARDAGES

CU. YDS. CUT - 6670  
CU. YDS. FILL - 1798

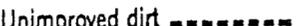
SOILS LITHOLOGY  
NO. SCALE

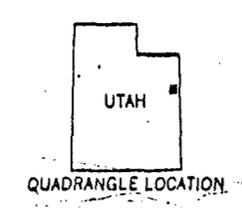


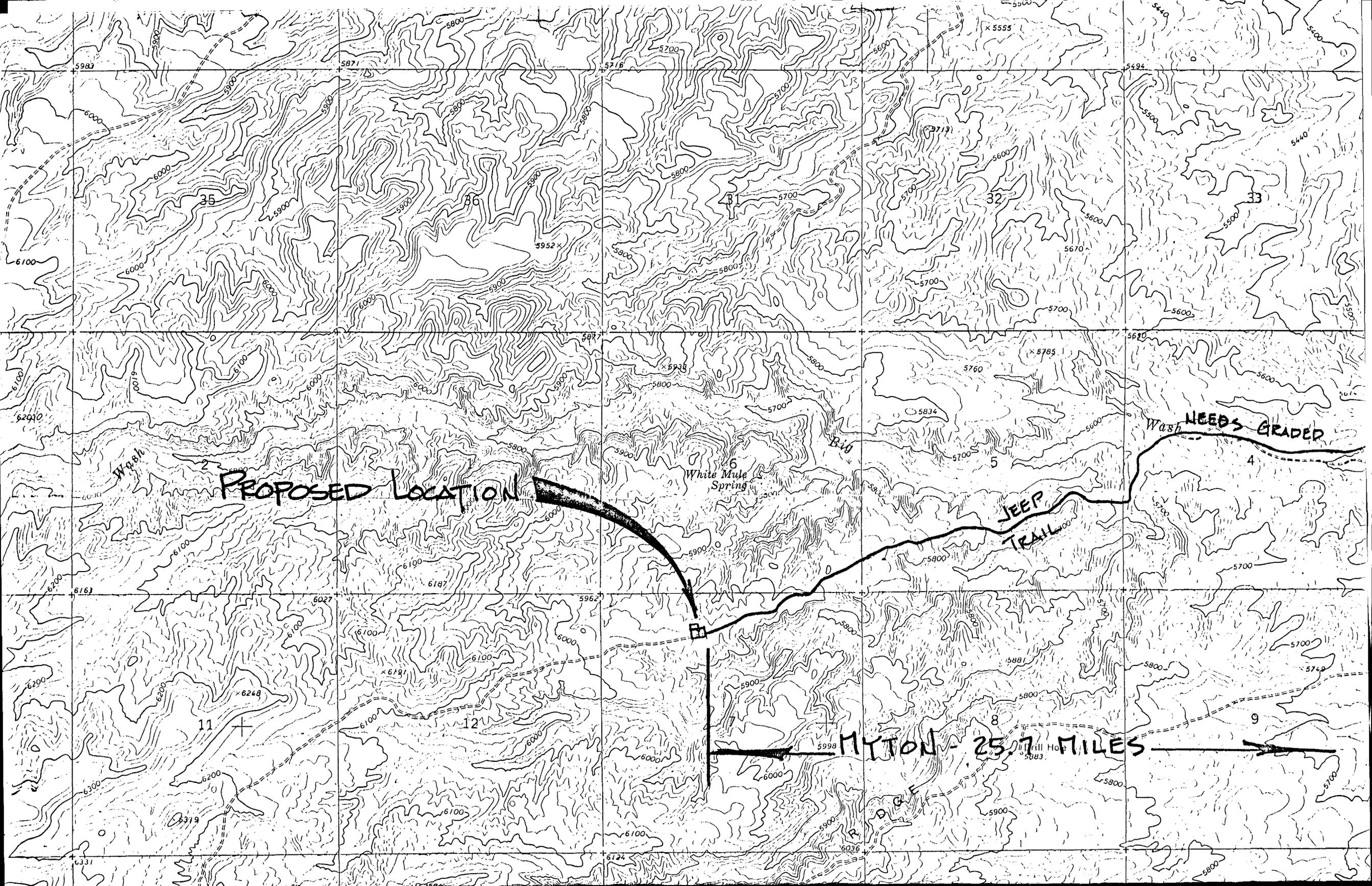
Hiko Bell Mining & Oil Co.  
# 21-7



SCALE - 1" = 2000'

ROAD CLASSIFICATION  
Medium-duty  Unimproved dirt 





PROPOSED LOCATION

JEEP TRAIL

NEEDS GRADED

MYTON - 25.7 MILES

White Mule Spring

35

86

31

32

33

Wash

Wash

11

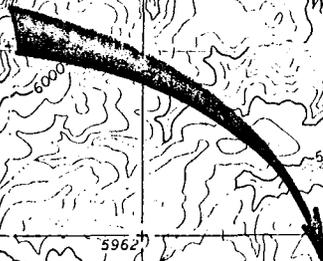
12

8

9

D.R.F.

Trail Hole



AFE

OPERATOR Hick Bell Mining & Oil DATE 12-3-82

WELL NAME Hick Bell #21-7

SEC NENW 7 T 10S R 17E COUNTY Richmond

43-013-30717  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

PART OF TRACT 18 WHICH IS NOT COMMITTED TO WILKIN RIDGE UNIT  
NO WELLS WITHIN 1000'

P.F. ✓

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b \_\_\_\_\_  c-3-c \_\_\_\_\_

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

December 6, 1982

Hiko Bell Mining & Oil Company  
P. O. Drawer AB  
Veraal, Utah 84078

RE: Well No. Hiko Bell #21-7  
NENW Sec. 7, T.10S, R.17E  
Duchesne, County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

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

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

OR

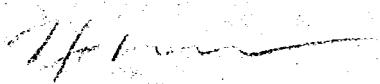
CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

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

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

The API number assigned to this well is 43-013-30717.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: MMS  
Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

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

October 24, 1983

Hiko Bell Mining & Oil Company  
P. O. Drawer AB  
Vernal, Utah 84078

Re: Well No. Hiko Bell # 44-6  
660' FSL, 660' FEL  
SE SE, Sec. 6, T. 10S, R. 17E.  
Duchesne County, Utah

Well No. Hiko Bell # 21-7  
724' FNL, 1935' FWL  
NE NW, Sec. 7, T. 10S, R. 17E.  
Duchesne County, Utah

Well No. Hiko Bell # 23-8  
1761' FSL, 2055' FWL  
NE SW, Sec. 8, T. 10S, R. 17E.  
Duchesne County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE:  
SERIAL NO.: U-50972

and hereby designates

NAME: AFE Management Inc. 2932 Edge Rock Circle ✓  
ADDRESS: 208-372 Bay St., Toronto, Ontario Salt Lake City, Utah 84117

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 10 South - Range 17 East, SLM, Duchesne Co., Utah:

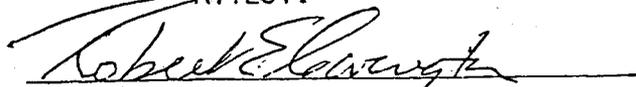
Section 5: Lot 4, SW $\frac{1}{4}$  NW $\frac{1}{4}$ , SW $\frac{1}{4}$   
Section 6: All  
Section 7: All  
Section 8: NW $\frac{1}{4}$  NE $\frac{1}{4}$ , NE $\frac{1}{4}$  NW $\frac{1}{4}$ , W $\frac{1}{2}$  W $\frac{1}{2}$   
Containing 1,746.10 acres.

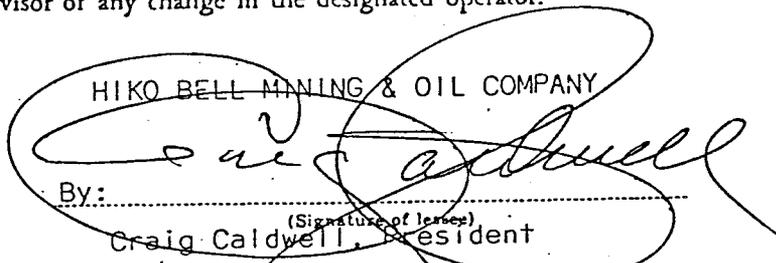
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ATTEST:

  
Robert E. Covington, Sec. -Treas.  
(Date)

HIKO BELL MINING & OIL COMPANY  
  
By: \_\_\_\_\_  
(Signature of lessee)  
Craig Caldwell, President  
P.O. Drawer AB, Vernal, Utah, 84078  
\_\_\_\_\_  
(Address)

Sept. ]3, ]983

AFE MANAGEMENT INC.

372 BAY STREET, SUITE 203,  
TORONTO, ONTARIO M5H 2W9

November 3, 1983

State of Utah Natural Resources  
Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah  
USA 84114

ATTENTION: Cari Furse

Gentlemen:

RE: Well No. Hiko Bell #44-6, 660' FSL, 660' FEL  
SE SE, Sec. 6, T. 10S, R. 17E., Duchesne County, Utah

Well No. Hiko Bell #21-7, 724' FNL, 1935' FWL  
NE NW, Sec. 7., T. 10S, R. 17E., Duchesne County, Utah

Well No. Hiko Bell #23-8, 1761' FSL, 2055' FWL  
NE SW, Sec. 8, T. 10S, R. 17E., Duchesne County, Utah

Your letter of October 24th to Hiko Bell Mining and Oil Company regarding the above wells has been forwarded to us for reply.

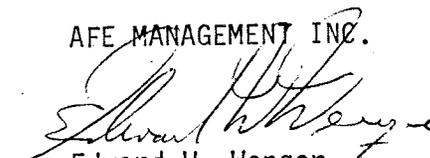
AFE Management Inc. is now the Operator of the above captioned wells. A copy of the Designation of Operator is enclosed for your records. We are also the Assignee of Oil and Gas Lease Serial No. U50972 on which the subject wells are located.

Please be advised that it is our intention to proceed with the drilling of the wells. We would like to change the name of the above wells to AFE 44-6, 21-7 and 23-8 and would ask your assistance in advising us on how we might go about instrumenting this change.

Thank you for your assistance, we look forward to hearing from you soon.

Yours truly,

AFE MANAGEMENT INC.



Edward W. Wenger  
President

EWW:acp  
Enclosure

c.c. Hiko Bell

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
AFE Management Inc.

3. ADDRESS OF OPERATOR 84117  
2932 Edge Rock Circle Salt Lake City, Utah

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1935' FWL & 724' FNL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 5956' GR.

5. LEASE U-50972

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Springs

9. WELL NO.  
AFE Management # 21-7

10. FIELD OR WILDCAT NAME  
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 7, T10S, R17E, S1M

12. COUNTY OR PARISH Duchesne 13. STATE Utah

14. API NO.  
43-013-30717

15. ELEVATIONS (SHOW DF, KDB, AND WD)

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

|                                 |                          |                       |                          |
|---------------------------------|--------------------------|-----------------------|--------------------------|
| REQUEST FOR APPROVAL TO:        |                          | SUBSEQUENT REPORT OF: |                          |
| TEST WATER SHUT-OFF             | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| FRACTURE TREAT                  | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| SHOOT OR ACIDIZE                | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| REPAIR WELL                     | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| PULL OR ALTER CASING            | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| MULTIPLE COMPLETE               | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| CHANGE ZONES                    | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| ABANDON*                        | <input type="checkbox"/> |                       | <input type="checkbox"/> |
| (other) <u>Change well name</u> |                          |                       |                          |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

- Well name will be changed from the Hiko Bell # 21-7 to the AFE Management # 21-7.
- No additional surface area will be used.
- Water will be hauled from the Green River via Four Mile Wash Road.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct.  
SIGNED J. R. Tindale TITLE Geological DATE Dec 9, 1983

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NOTICE OF SPUD

*file*

Company: APE Management

Caller: Ellen Rasmussen

Phone: \_\_\_\_\_

Well Number: White Mule # 21-7

Location: NE NW 7-105-17E

County: Duchesne State: Utah

Lease Number: U-50972

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 12-30-83 6:00 a.m.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 10 3/4" hole

8 5/8" cnd set at 292'

Rotary Rig Name & Number: Olson #5

Approximate Date Rotary Moves In: 1-2-84

FOLLOW WITH SUNDRY NOTICE

Call Received By: Jat

Date: 1-4-84

State 046

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: A.F.E. MANAGEMENT

WELL NAME: WHITE MILLS SPRINGS 21-7

SECTION -NENW 7 TOWNSHIP 10S RANGE 17E COUNTY DUCHESNE

DRILLING CONTRACTOR OLSEN

RIG # 5

SPUDDED: DATE 12-30-83

TIME 6 a.m.

How ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY ELLEN RASMUSSEN

TELEPHONE # 722-5081

DATE 1-4-84 SIGNED AS

AFE Management Inc.  
2932 Edge Rock Circle  
Salt Lake City, Utah 84117

January 5, 1983

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

Attention: Ron Firth:

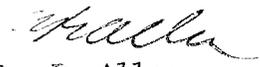
RE: ✓ White Mule Springs  
AFE Management Inc. # 21-7  
Section 7, T10S, R17E, S1M  
Duchesne County, Utah  
Lease designation and serial #: &50972

This well was spudded on December 30, 1983 at 6:00 A.M.

A 10 3/4" hole was drilled by a dry hole digger and 8 5/8" surface casing was set 292' ground level.

Olsen rotary rig # 5 is the drilling contractor for AFE Management Inc.

Sincerely Yours,

  
Ken B. Allen  
Consulting Engineer

KA/er

*[Faint, illegible stamp or signature]*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
AFE Management Inc.

3. ADDRESS OF OPERATOR Suite 208  
372 Bay St., Toronto, Ontario, Canada M5H 2W9

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1935' FWL & 724' FNL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE U-50972

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Springs

9. WELL NO.  
AFE Management #21-7

10. FIELD OR WILDCAT NAME  
undesigned

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 7, T10S, R17E SLM

12. COUNTY OR PARISH Duchesne 13. STATE Utah

14. API NO.  
43-013-30717

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5956' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

|   |                          |
|---|--------------------------|
| REQUEST FOR APPROVAL TO:                      | SUBSEQUENT REPORT        |
| TEST WATER SHUT-OFF <input type="checkbox"/>  | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>       | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>     | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/>          | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/>    | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/>         | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/>             | <input type="checkbox"/> |

**RECEIVED**  
APR 20 1984  
DIVISION OF OIL  
GAS & MINING

Report results of multiple completion or zone change on Form 9-330.)

(other) notice of intentions as to completion.

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.)\*

The well was drilled to T.D. at 5551' and 5 1/2" casing set.

Presently waiting on results of completion and evaluation of the White Mule Springs # 14-5 before completing this well.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Agent for AFE DATE 4/19/84

(This space for Federal or State office use)

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



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

January 25, 1985

AFE Management Incorporated  
372 Bay Street, Suite 208  
Toronto, Ontario, Canada M5H 2W9

Gentlemen:

Re: Well No. AFE 21-7 - Sec. 7, T. 10S., R. 17E.  
Duchesne County, Utah - API #43-013-30717

Our records indicate that you have not filed the monthly drilling reports for the months of April 1984 to the present on the above referred to well. Our rules and regulations stipulate that these reports be filed by the sixteenth of each month until the well is completed.

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than February 25, 1985.

Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
0009S/10

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

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

|  |  |   |
|--|--|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><small>(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.)</small> |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-50972                        |
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |
| 2. NAME OF OPERATOR<br>AFE Management Inc.   |  | 7. UNIT AGREEMENT NAME  |
| 3. ADDRESS OF OPERATOR<br>208-372 Bay St., Toronto, Ontario, CANADA M5H 2W9  |  | 8. FARM OR LEASE NAME<br>White Mule Springs                           |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br>At surface<br><br>1,935 FWL, 724 FNL   |  | 9. WELL NO.<br>AFE Management 21-7                                    |
| 14. PERMIT NO.<br>43-013-30717   |  | 10. FIELD AND POOL, OR WILDCAT<br>undesignated                        |
| 15. ELEVATIONS (Show whether OP, RT, CR, etc.)<br>5,956 GR, 5,968 KB   |  | 11. SEC., T., R., M., OR BLE. AND SURVEY OR ABBA<br>Sec. 7, T10S R17E |
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  |  | 12. COUNTY OR PARISH<br>Duchesne                                      |
| 18. STATE<br>Utah  |  | 13. STATE<br>Utah   |

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <u>drilling operations</u>  |  |
| (Other) <input type="checkbox"/>             |   | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

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

✓ Spudded at 6 p.m. Dec. 30/83 and drilled a 10-3/4" hole. Set 292' of 8-5/8" 24 lb surface casing. Cemented with 230 sacs Class A cement, 2% CaCl, 100% excess. Reached TD of 5,551' on Jan. 4/84. Logged and ran DLL, CN-CNL and GRL. Ran 5,573.79' of 5 1/2", 15.5 lb J55 casing. Cemented with 176 sacs BJ lite, 225 sacs Class G cement. Released rig 10 p.m. Jan. 6/84

Until the present, this well has been standing cased and awaiting completion until spring 1985.

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

SIGNED [Signature] TITLE Geologist DATE Feb. 8/85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# A F E management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

RECEIVED

FEB 20 1985

DIVISION OF OIL  
GAS & MINING

February 8, 1985

State of Utah Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
U.S.A.

ATTENTION: CLAUDIA JONES

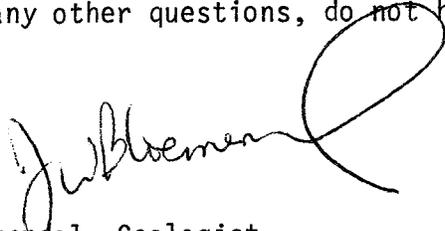
Gentlemen:

|     |                    |                     |
|-----|--------------------|---------------------|
| RE: | JOSIE 1A-3B5       | AFE Management 21-7 |
|     | Sec. 3, T2S R5W    | Sec. 7, T10S R17E   |
|     | Duchesne Co., Utah | Duchesne Co., Utah  |
|     | API#43-013-30677   | API#43-013-30717    |

Enclosed are Sundry Notices for the above wells as you requested in your letter of January 25, 1985.

If you have any other questions, do not hesitate to contact us.

Yours truly,



Miss J. Bloemendal, Geologist

JB:des  
Enclosures

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

**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.)

|  |   |   |
|--|---|---|
| <b>1.</b><br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |   | 5. LEASE DESIGNATION AND SERIAL NO.                                   |
| <b>2. NAME OF OPERATOR</b><br>AFE Management Inc.  |   | 6. IF INDIAN, ALLOTED OR TRIBE NAME                                   |
| <b>3. ADDRESS OF OPERATOR</b><br>208-372 Bay St., Toronto, Ontario, CANADA, M5H 2W9  |   | 7. UNIT AGREEMENT NAME  |
| <b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br>At surface<br><br>1,935' FWL, 724 FNL<br>Section 7, T10S R17E |   | 8. FARM OR LEASE NAME<br>White Mule Springs                           |
| <b>14. PERMIT NO.</b><br>43-013-30717  | <b>15. ELEVATIONS</b> (Show whether DF, RT, OR, etc.)<br>5,956 GR, 5,968 KB | 9. WELL NO.<br>AFE 21-7   |
|  |   | 10. FIELD AND POOL, OR WILDCAT<br>undesignated                        |
|  |   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 7, T10S R17E |
|  |   | 12. COUNTY OR PARISH<br>Duchesne                                      |
|  |   | 13. STATE<br>Utah   |

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

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <u>completion operations</u> <input type="checkbox"/>   |  |
| (Other) <input type="checkbox"/>             |   | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

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

April 29-May 1/85

Move in service rig & run 180 joints 2-7/8" 8-round tubing into hole. Circulate & pressure test casing. Run cement bond log from 4,000' to 5,476'. Perforate from 5462-66, 5444-46, 5404-08, 5360-64, 5320-24, 5266-70, 24 ft of perforations at 2 spf. Set packer at 5036' GL. Pressure test. Swab. No fluid on runs. At present evaluating results to determine if future work is justified.

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

SIGNED J.W. Bloemendaal TITLE Geologist DATE May 3/85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side



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

October 9, 1985

AFE Management, Inc.  
208-372 Bay Street  
Toronto, Ontario, Canada M5H 2W9

Gentlemen:

Re: Well No. AFE 21-7 - Sec. 7, T. 10S., R. 17E.,  
Duchesne County, Utah - API #43-013-30717

Our records indicate that you have not filed drilling reports for the months of June to present on the above referenced well. Our rules and regulations stipulate that these reports be filed by the sixteenth of each month until the well is completed.

Also, please be advised that if this well has been completed, the "Well Completion or Recompletion Report and Log" for the above referenced well is due and has not been filed with this office as required by our rules and regulations.

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than October 23, 1985.

Thank you for your cooperation in this matter.

Sincerely,  
*Pam Kenna*

Pam Kenna  
Well Records Specialist

Enclosure  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

0170S/53

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

SUBMIT TRIPlicate  
(Other instructions on reverse side)  
**RECEIVED**

5. LEASE DESIGNATION AND SERIAL NO.  
**OCT 25 1985**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**DIVISION OF OIL  
& GAS & MINING**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**White Mule Springs**

9. WELL NO.  
**AFE 21-7**

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

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
**Sec. 7 T10S R17E**

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**Utah**

**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  
**AFE Management Inc.**

3. ADDRESS OF OPERATOR  
**208-372 Bay St., Toronto, Ontario, Canada M5H 2W9**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
**At surface**  
**1935 FWL, 724 FNL**  
**Section 7, T10S R17E**

14. PERMIT NO.  
**43-013-30717**

15. ELEVATIONS (Show whether OF, ST, GR, etc.)  
**5956 GR, 5968 KB**

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"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE 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.)\*

This well has been shut in since May, 1985.  
It will remain shut in until an evaluation of results has been completed and a decision is made on future plans for this well. You will be notified of further decisions as they are made.

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

SIGNED J. W. Bloemendaal TITLE Geologist DATE Oct 22/85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

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

|   |  |   |
|---|--|---|
| <p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br/>(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.)</p>             |  | <p>5. LEASE DESIGNATION AND SERIAL NO.<br/>U-50972</p>                        |
| <p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>   |  | <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>                                   |
| <p>2. NAME OF OPERATOR<br/>AFE Management Inc.</p>  |  | <p>7. UNIT AGREEMENT NAME</p>   |
| <p>3. ADDRESS OF OPERATOR<br/>208-372 Bay St., Toronto, Ontario, CANADA</p>   |  | <p>8. FARM OR LEASE NAME<br/>White Mule Springs</p>                           |
| <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br/>At surface<br/>Section 7, T10S, R17E<br/>1,935' FWL, 724' FNL<br/>Duchesne Co., Utah</p> |  | <p>9. WELL NO.<br/>AFE 21-7</p>   |
| <p>14. PERMIT NO.<br/>43-013-30717</p>  |  | <p>10. FIELD AND POOL, OR WILDCAT<br/>undesignated</p>                        |
| <p>15. ELEVATIONS (Show whether OF, ST, GR, etc.)<br/>5,956 GR 5,968 KB</p>   |  | <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br/>Sec. 7, T10S R17E</p> |
| <p>12. COUNTY OR PARISH<br/>Duchesne</p>  |  | <p>13. STATE<br/>Utah</p>   |

RECEIVED  
NOV 18 1985  
DIVISION OF OIL  
GAS & MINING

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 checked="" type="checkbox"/>  | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <input type="checkbox"/>               |  |
| (Other) <input type="checkbox"/>             |   |  |  |

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting on 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.)

It has been decided to abandon this well due to the absence of economic reserves. The well was spudded Dec. 30/83. It was then cased and logged.

Casing was set as follows:

8-5/8" at 292'  
5-1/2" down to TD of 5,551'

Until early 1985 the well has been standing cased awaiting completion. During April 29-May 1/85, the well was logged, perforated and a breakdown attempted. Pressures for breakdown indicated an extremely tight formation. Perforation intervals are attached.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 11/19/85  
BY: John R. Baya

Federal approval of this action is required before commencing operations.

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

SIGNED Miss J. Bloemendaal TITLE Geologist DATE Nov. 13/85

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

21-7 Well - Perforation Intervals

|             |             |              |            |
|-------------|-------------|--------------|------------|
| April 30/85 | 5,462 - 466 | 4 ft.        | 2 shots/ft |
|             | 5,444 - 446 | 2            |            |
|             | 5,404 - 408 | 4            |            |
|             | 5,360 - 364 | 4            |            |
|             | 5,320 - 324 | 4            |            |
|             | 5,266 - 272 | 6            |            |
|             |             | <u>24 ft</u> | - 48 shots |

Proposed Abandonment Schedule

1. MIRU service rig.
2. Spot 50 sac cement plug across perforations from 5,266-5,466'.
3. Spot 20 sac cement plug across base of surface casing at 292'.
4. Spot 10 sac cement plug at surface. Erect dryhole marker.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

PA 2-13-87  
0114360

OPERATOR Wessely Energy Co.  
A FE Management LEASE U-50972  
WELL NO. A FE 21-7 White Mule API 43-013-30717  
SEC. 7 T. 10S R. 11ZE CONTRACTOR \_\_\_\_\_  
COUNTY Duchesne FIELD undesignated

DRILLING/COMPLETION/WORKOVER:

APD  WELL SIGN  HOUSEKEEPING  BOPE  
 SAFETY  POLL. CONTROL  SURFACE USE  PITS  
 OPERATIONS  OTHER

SHUT-IN OK / TA \_\_\_\_\_ :

WELL SIGN  HOUSEKEEPING  EQUIPMENT\*  SAFETY  
 OTHER

ABANDONED:

MARKER  HOUSEKEEPING  REHAB.  OTHER

PRODUCTION:

WELL SIGN  HOUSEKEEPING  EQUIPMENT\*  FACILITIES\*  
 METERING\*  POLL. CONTROL  PITS  DISPOSAL  
 SECURITY  SAFETY  OTHER

GAS DISPOSITION:

VENTED/FLARED  SOLD  LEASE USE

LEGEND: Y - YES OR SATISFACTORY  
N - NO OR UNSATISFACTORY  
NA - NOT APPLICABLE

\*FACILITIES INSPECTED: \_\_\_\_\_

REMARKS: Reserve pit left unfilled, no equipment

ACTION: \_\_\_\_\_

INSPECTOR: W. Moore DATE 11-22-85

# A F E Management Inc.

Suite 208, 372 Bay Street, Toronto, Ontario Canada M5H 2W9  
(416)366-4257

RECEIVED  
MAY 22 1986

DIVISION OF  
OIL, GAS & MINING

May 13, 1986

State of Utah Natural Resources  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180  
U.S.A.

ATTENTION: NORM STOUT

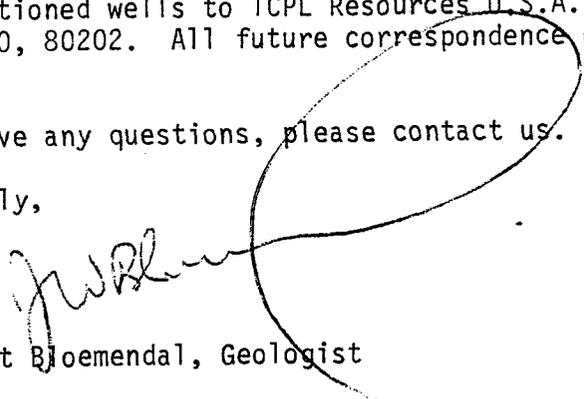
Gentlemen:

RE: DUCHESNE COUNTY, UTAH  
White Mule 14-5 (Section 5, T10S R17E) 4301330722  
White Mule 21-7 (Section 7, T10S R17E)

As of May 2, 1986, AFE Management Inc. has sold its entire interest in the above-captioned wells to TCPL Resources U.S.A. Ltd., 216-16th St., Suite 1100, Denver, CO, 80202. All future correspondence on these wells must be forwarded to them.

If you have any questions, please contact us.

Yours truly,

  
Miss Janet Bloemendal, Geologist

JWB:deb  
cc: Mari Snyder, TCPL

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

5. LEASE DESIGNATION AND SERIAL NO.

U-50972

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**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

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
TCPL Resources U.S.A. Ltd.

8. FARM OR LEASE NAME

White Mule Springs

3. ADDRESS OF OPERATOR  
216 16th Street, Suite 1100, Denver, Colorado 80202

9. WELL NO.

21-7

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

10. FIELD AND POOL, OR WILDCAT

Undesignated

1935' FWL & 724' FNL, NE/4 NW/4 Section 7-T10S-R17E

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

Section 7-T10S-R17E

14. PERMIT NO.  
43-013-30717

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5956' GR 5968' KB

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

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

NOTICE OF INTENTION TO:

|   |   |
|---|---|
| TEST WATER SHUT-OFF <input type="checkbox"/>        | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>             | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>           | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>                | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/> Change of Operator | <input checked="" type="checkbox"/>           |

SUBSEQUENT REPORT OF:

|  |  |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>    |
| (Other) <input type="checkbox"/>               | <input type="checkbox"/>                 |

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

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

The operator of this well is being changed from: AFE Management Limited  
372 Bay Street, Suite 208  
Toronto, Ontario, Canada M5H 2W9

to: TCPL Resources U.S.A. Ltd.  
216 16th Street, Suite 1100  
Denver, Colorado 80202

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

SIGNED Owen L. Stone TITLE Operations Engineer DATE 5/16/86

(This space for Federal or State office use)

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

AFE management limited

372 BAY STREET, SUITE 208,  
TORONTO, ONTARIO M5H 2W9  
(416) 366-4257

RECEIVED  
JUN 23 1986

DIVISION OF  
OIL, GAS & MINING

June 18, 1986

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
U.S.A.

ATTENTION: MS. ARLENE SOLLIS

Gentlemen:

RE: CERTIFICATE OF DEPOSIT  
Wilkins 1-24A5 Well  
Duchesne County, Utah

Reference is made to your letter of June 4, 1986, to Mr. Robert Holt of Larsen, Kimball, Parr & Crockett regarding AFE's interest in the captioned well.

This letter shall confirm, as stated in the Settlement Agreement dated May 2, 1986, between TCPL Resources U.S.A. Ltd. and AFE Management, that TCPL has taken over as Operator on the following wells:

Josie 1A-3B5  
Wilkins 1-24A5  
White Mule Springs 14-5

Josie 1-3B5  
Walker 2-24A5  
White Mule Springs 21-7

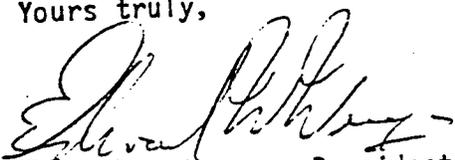
105.17E.  
Sec. 7

In addition, as stated in the said Settlement Agreement, and Assignment and Bill of Sale and Conveyance (a copy of which was sent to you by TCPL May 16, 1986), AFE specifically assigned all of its bonds and any collateral associated therewith to TCPL.

This letter shall authorize you to take any action necessary to deliver such bonds and any collateral securing such bonds including, without limitation, that Certificate of Deposit in the amount of \$10,000.00 to TCPL Resources U.S.A. Ltd.

If you have any questions, please advise. Thank you for your immediate attention to this matter.

Yours truly,

  
Edward W. Wenger, President

cc: Mari Snyder



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

August 14, 1986

TCPL Resources USA Ltd.  
216 - Sixteenth Street #1100  
Denver, Colorado 80202

Gentlemen:

Re: Well No. AFE #21-7 - Sec. 7, T. 10S., R. 17 E. -  
Duchesne County, Utah - API #43-013-30717

A records review indicates that no required reports for the referenced well have been filed since November 1985. Monthly drilling reports must be submitted to account for the time between spudding and well completion.

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log" or copy of the equivalent federal form, along with copies of logs and tests run, be filed with this office not later than 90 days after completion.

Please use the address listed below to provide the required information at your earliest convenience, but not later than August 25, 1986.

Utah Division of Oil, Gas and Mining  
Attention: Suspense File - Norm Stout  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout  
Records Manager

pk  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
Well File  
Suspense File

0170S/3

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

Form approved.  
Budget Bureau No. 42-21425

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR  
 Hiko Bell Mining & Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Drawer AB, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)  
 At surface: 1935' FWL & 724' FNL  
 At proposed prod. zone: Section 7, T10S-R17E, S1M  
 Duchesne Co., Utah

**RECEIVED**  
 SEP 02 1986

**DIVISION OF  
 OIL, GAS & MINING**

5956 GR.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 25 miles southwest of Myton, Utah

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1935'

16. NO. OF ACRES IN LEASE  
 1746.1

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.  
 3200'

19. PROPOSED DEPTH  
 6200'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GR. 5956

22. APPROX. DATE WORK WILL START  
 Feb. 21, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-50972

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 White Mule Springs

9. WELL NO.  
 Hiko Bell #21-7

10. FIELD AND POOL, OR WILDCAT  
 Wildcat UNDEVELOPED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 7, T10S-R17E, S1M

12. COUNTY OR PARISH  
 Duchesne Co.

13. STATE  
 Utah

**PROPOSED CASING AND CEMENTING PROGRAM**

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4"      | 9 5/8"         | 24# new         | 300           | Circ to surface    |
| 7 7/8"       | 5 1/2"         | 15.5# new       | 6200          | 440 sx.            |

Propose to drill a 6200' Wasatch test. KCl water will be used for drilling with gel to drill a 7 7/8" hole to 6200 feet and set 5 1/2" casing in commercial production is established.

The sands in the lower Green River Formation will be tested for oil and gas. The sands in the top of the Wasatch Formation will also be tested for oil and gas.

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

DATE: 12-6-82  
 BY: *Robert E. Covington*

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.

SIGNED: *Robert E. Covington*  
 Robert E. Covington

TITLE: Manager of Exploration

DATE: Nov. 30, 1982

(This space for Federal or State office use)

PERMIT NO. 43-013-30717

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

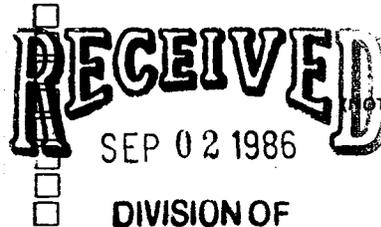
1. oil well [X] gas well [ ] other [ ]
2. NAME OF OPERATOR AFE Management Inc.
3. ADDRESS OF OPERATOR 84117 2932 Edge Rock Circle Salt Lake City, Utah
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 1935' FWL & 724' FNL AT TOP PROD. INTERVAL: AT TOTAL DEPTH: 5956' GR.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE U-50972
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME White Mile Springs
9. WELL NO. AFE Management # 21-7
10. FIELD OR WILDCAT NAME Undesignated
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 7, T10S, R17E, S1M
12. COUNTY OR PARISH Duchesne 13. STATE Utah
14. API NO. 43-013-30717
15. ELEVATIONS (SHOW DF, KDB, AND WD)

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF [ ]
FRACTURE TREAT [ ]
SHOOT OR ACIDIZE [ ]
REPAIR WELL [ ]
PULL OR ALTER CASING [ ]
MULTIPLE COMPLETE [ ]
CHANGE ZONES [ ]
ABANDON\* [ ]

SUBSEQUENT REPORT OF:



NOTE: Report results of multiple completion or zone change on Form 9-330J

(other) Change well name

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.)\*

- 1. Well name will be changed from the Hiko Bell # 21-7 to the AFE Management # 21-7.
2. No additional surface area will be used.
3. Water will be hauled from the Green River via Four Mile Wash Road.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct. SIGNED [Signature] TITLE Geological DATE Dec 9, 1983

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL IF ANY:

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

**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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER  |  | 5. LEASE DESIGNATION AND SERIAL NO.                                   |
| 2. NAME OF OPERATOR<br>AFE Management Inc.   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |
| 3. ADDRESS OF OPERATOR<br>208-372 Bay St., Toronto, Ontario, CANADA, M5H 2W9   |  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface<br><br>1,935' FWL, 724 FNL<br>Section 7, T10S R17E |  | 8. FARM OR LEASE NAME<br>White Mule Springs                           |
| 14. PERMIT NO.<br>43-013-30717   | 15. ELEVATIONS (Show whether SP, RT, OR, etc.)<br>5,956 GR, 5,968 KB | 9. WELL NO.<br>AFE 21-7   |
|  |  | 10. FIELD AND POOL, OR WILDCAT<br>undesigned                          |
|  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA<br>Sec. 7, T10S R17E |
|  |  | 12. COUNTY OR PARISH<br>Duchesne                                      |
|  |  | 13. STATE<br>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"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <u>completion operations</u> <input type="checkbox"/>   |  |
| (Other) <input type="checkbox"/>             |   | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

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

April 29-May 1/85

Move in service rig & run 180 joints 2-7/8" 8-round tubing into hole. Circulate & pressure test casing. Run cement bond log from 4,000' to 5,476'. Perforate from 5462-66, 5444-46, 5404-08, 5360-64, 5320-24, 5266-70, 24 ft of perforations at 2 spf. Set packer at 5036' GL. Pressure test. Swab. No fluid on runs. At present evaluating results to determine if future work is justified.

**RECEIVED**  
SEP 02 1986  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED J.W. Bloemendaal TITLE Geologist DATE May 3/85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

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

PRINT IN TRIPLICATE  
Other instructions on  
reverse side

5. LEASE DESIGNATION AND SERIAL NO.  
U-50972

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Springs

9. WELL NO.  
AFE 21-7

10. FIELD AND POOL, OR WILDCAT  
undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 7, T10S R17E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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  
AFE Management Inc.

3. ADDRESS OF OPERATOR  
208-372 Bay St., Toronto, Ontario, CANADA M5H 2W9

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
Section 7, T10S, R17E  
1,935' FWL, 724' FNL  
Duchesne Co., Utah

14. PERMIT NO.  
43-013-30717

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5,956 GR 5,968 KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)

It has been decided to abandon this well due to the absence of economic reserves. The well was spudded Dec. 30/83. It was then cased and logged.

Casing was set as follows:

- 8-5/8" at 292'
- 5-1/2" down to TD of 5,551'

Until early 1985 the well has been standing cased awaiting completion. During April 29-May 1/85, the well was logged, perforated and a breakdown attempted. Pressures for breakdown indicated an extremely tight formation. Perforation intervals are attached.

RECEIVED  
SEP 02 1986

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Miss J. Bloemendaal

TITLE Geologist

DATE Nov. 13/85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

21-7 Well - Perforation Intervals

|             |             |              |            |
|-------------|-------------|--------------|------------|
| April 30/85 | 5,462 - 466 | 4 ft.        | 2 shots/ft |
|             | 5,444 - 446 | 2            |            |
|             | 5,404 - 408 | 4            |            |
|             | 5,360 - 364 | 4            |            |
|             | 5,320 - 324 | 4            |            |
|             | 5,266 - 272 | 6            |            |
|             |             | <u>24</u> ft | - 48 shots |

Proposed Abandonment Schedule

1. MIRU service rig.
2. Spot 50 sac cement plug across perforations from 5,266-5,466'.
3. Spot 20 sac cement plug across base of surface casing at 292'.
4. Spot 10 sac cement plug at surface. Erect dryhole marker.

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

Submit in triplicate\*  
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON

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

**RECEIVED**  
SEP 02 1986

|  |  |   |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>U-50972                          |
| 2. NAME OF OPERATOR<br>TCPL Resources U.S.A. Ltd.  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                    |
| 3. ADDRESS OF OPERATOR<br>216 16th Street, Suite 1100, Denver, Colorado 80202  |  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><br>1935' FWL & 724' FNL, NE/4 NW/4 Section 7-T10S-R17E |  | 8. FARM OR LEASE NAME<br>White Mule Springs                             |
| 14. PERMIT NO.<br>43-013-30717   |  | 9. WELL NO.<br>21-7   |
| 15. ELEVATIONS (Show whether OF, RT, GR, etc.)<br>5956' GR 5968' KB  |  | 10. FIELD AND POOL, OR WILDCAT<br>Undesignated                          |
|  |  | 11. SEC., T., R., M., OR B.L. AND SURVEY OR ABBA<br>Section 7-T10S-R17E |
|  |  | 12. COUNTY OR PARISH<br>Duchesne  |
|  |  | 13. STATE<br>Utah   |

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

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANN <input type="checkbox"/>         | (Other) _____ <input type="checkbox"/>  |  |
| (Other) <u>Change of Operator</u>            | <input checked="" type="checkbox"/>           | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

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

The operator of this well is being changed from: AFE Management Limited  
372 Bay Street, Suite 208  
Toronto, Ontario, Canada M5H 2W9

to: TCPL Resources U.S.A. Ltd.  
216 16th Street, Suite 1100  
Denver, Colorado 80202

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

SIGNED Owen L. Stone TITLE Operations Engineer DATE 5/16/86

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate\*  
(Other instructions reverse side)

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

WF

SUNDRY NOTICES AND REPORTS

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

**RECEIVED**  
SEP 02 1986

|  |  |   |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>11-50972                         |
| 2. NAME OF OPERATOR<br>TCPL Resources U.S.A. Ltd.  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                    |
| 3. ADDRESS OF OPERATOR<br>216 16th Street, Suite 1100, Denver, Colorado 80202  |  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><br>Section 7-T10S-R17E NE/4 NW/4 |  | 8. FARM OR LEASE NAME<br>White Mule Springs                             |
| 14. PERMIT NO.<br>43-013-30717   |  | 9. WELL NO.<br>21-7   |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5956' GR 5968' KB  |  | 10. FIELD AND POOL, OR WILDCAT<br>undesignated                          |
|  |  | 11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA<br>Section 7-T10S-R17E |
|  |  | 12. COUNTY OR PARISH<br>Duchesne  |
|  |  | 13. STATE<br>Utah   |

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

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

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

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

TCPL Resources U.S.A. Ltd. requests temporary abandonment of said well due to the absence of economic reserves. The well was spud 12/30/83. It was then cased and logged.

Casing was set as follows: 8 5/8" @ 292'  
5 1/2" TD to 5551'  
been

Until early 1985 the well has/ standing cased awaiting completion during 4/29 - 5/1/85, the well was logged, perforated and a breakdown attempted.

Pressures for breakdown indicated an extremely tight formation. Perforation intervals are attached.

Previous operator, AFE Management Inc. received approval to P&A in 1/86.

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

SIGNED [Signature] TITLE Operations Engineer DATE 6/10/86

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

White Mule Springs #21-7 - Perforation Intervals

|             |           |        |             |
|-------------|-----------|--------|-------------|
| April 30/85 | 5462-466' | 4 ft.  | 2 shots/ft. |
|             | 5444-446' | 2 ft.  |             |
|             | 5404-408' | 4 ft.  |             |
|             | 5360-364  | 4 ft.  |             |
|             | 5320-324' | 4 ft.  |             |
|             | 5266-272' | 6 ft.  |             |
|             |           | <hr/>  |             |
|             |           | 24 ft. | 48 shots    |

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

090821

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Wessely Energy Company (formerly TCPL Resources U.S.A. Ltd.)

3. ADDRESS OF OPERATOR  
216 16th Street, Suite 1100, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1933' FWL & 724' FNL NE/4NW/4 Section 7-T10S-R17E  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
U-50972

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Spring

9. WELL NO.  
21-7

10. FIELD AND POOL, OR WILDCAT  
Undesignated

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 7-T10S-R17E SLM

14. PERMIT NO. 43-013-30717 DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 12/29/83 16. DATE T.D. REACHED 1/6/84 17. DATE COMPL. (Ready to prod.) \_\_\_\_\_

18. ELEVATIONS (DF, RES, RT, GR, ETC.)\* 5956' GR 5968' KB 19. ELEV. CABINGHEAD 5960'

20. TOTAL DEPTH, MD & TVD 5551' 21. PLUG, BACK T.D., MD & TVD \_\_\_\_\_

22. IF MULTIPLE COMPL., HOW MANY \_\_\_\_\_ 23. INTERVALS ROTARY TOOLS Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND FEET) Green River Formation 25. WAS DIRECTIONAL SURVEY MADE no

RECEIVED  
SEP 02 1986

26. TYPE ELECTRIC AND OTHER LOGS RUN Gearhart Dual Lateral Log, CD-CNL w/Gamma Ray 27. WAS WELL CORDED no

29. CASING RECORD (Report all strings)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                             | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|--|---------------|
| 8 5/8"      | 24#             | surface - 292' |           | 230 sx class "A" Cement                      |               |
| 5 1/2"      | 15.5#           | 5573.79'       | 7 7/8"    | 176 sx low density & 225 sx class "G" Cement |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2 7/8" | 5580'          | 5036' GL        |

31. PERFORATION RECORD (Interval, size and number)  
5462-66' 5266-72'  
5444-46'  
5404-08' 2 SPF, 24' of perforations  
5360-64'  
5320-24'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION dry hole PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) dry hole WELL STATUS (Producing or shut-in) temporarily abandoned

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BSL. | GAS—MCF. | WATER—BSL. | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|----------|------------|---------------|
|              |              |            |                         |          |          |            | 0             |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BSL. | GAS—MCF. | WATER—BSL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| 0                   | 0               |                         |          |          |            |                         |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) 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 Chad L. Slone TITLE Operations Engineer DATE 8/21/86

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

9-16-86  
Note to well records staff:

The attached document requests a well status of temp. aban for the referenced well. Because of the differences between DOGM well status categories and those defined by the BLM or other agencies and because of the various reasons operators choose to categorize wells in certain ways, we should neither acknowledge this well status nor require any other information from the operator. The well status which will be shown in DOGM records (well file, turnaround document, etc.) is Shut-in. If additional information or verification of this well status is necessary, please contact me or R.J. before initiating any written or verbal contact with the operator.

John Baza



WESSELY 216-16th Street  
ENERGY Suite 1100  
COMPANY Denver, Colorado 80202

(303) 629-7766

A TransCanada PipeLines company

**RECEIVED**  
SEP 02 1986

**DIVISION OF  
OIL, GAS & MINING**

August 21, 1986

State of Utah Natural Resources  
Oil, Gas & Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Norm Stout  
Suspense File

Re: White Mule Springs #21-7 well  
Section 7-T10S-R17E  
Duchesne County, Utah  
API #43-013-30717

Dear Mr. Norm Stout:

Attached is the information requested in your letter dated August 14, 1986. With the exception of your form #OGC-3, all the other forms were previously sent to the State of Utah.

Should you require any additional information please let us know.

Very truly yours,

Owen L. Stone  
Operations Engineer

OLS/r1

cc: Dennis Nygaard  
Well File

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

OPERATOR: WESSELY ENERGY CO LEASE: U-50972  
WELL NAME: AFE #21-7 API: 43-013-30717  
SEC/TWP/RNG: 07 10.0 S 17.0 E CONTRACTOR:  
COUNTY: DUCHESNE FIELD NAME: EIGHT MILE FLAT

DRILLING/COMPLETION/WORKOVER:

|              |                  |                |        |
|--------------|------------------|----------------|--------|
| - APD        | - WELL SIGN      | - HOUSEKEEPING | - BOPE |
| - SAFETY     | - POLLUTION CNTL | - SURFACE USE  | - PITS |
| - OPERATIONS | - OTHER          |                |        |

SHUT-IN / TA Y:  
N WELL SIGN Y HOUSEKEEPING Y EQUIPMENT \* Y SAFETY  
- OTHER

ABANDONED:  
- MARKER - HOUSEKEEPING - REHAB - OTHER

PRODUCTION:  
- WELL SIGN - HOUSEKEEPING - EQUIPMENT \* - FACILITIES \*  
- METERING \* - POLLUTION CNTL - PITS - DISPOSAL  
- SECURITY - SAFETY - OTHER

GAS DISPOSITION:  
- VENTED/FLARED - SOLD - LEASE USE

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

\*FACILITIES INSPECTED:  
LOCATION, WELLHEAD, RESERVE PIT.

REMARKS:  
OIL WELL - TA, RESERVE PIT IS FENCED & HAS A PARTIAL PLASTIC LINER, PIT IS DRY,  
WEEDS AROUND LOCATION, WELL SIGN FROM #14-5 TANK BATTERY - HAS WRONG SEC. & API  
NUMBER & NO WELL NUMBER.

ACTION:  
FILL RESERVE PIT, PUT UP CORRECT WELL SIGN.

INSPECTOR: ED DEPUTY

DATE: 12/03/86

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-50972 50w

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**033133**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Springs

9. WELL NO.  
21-7

10. FIELD AND POOL, OR WILDCAT  
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 7-T10S-R17E SLM

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

**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  **Dry Hole**

2. NAME OF OPERATOR  
Wessely Energy Company

3. ADDRESS OF OPERATOR  
216 16th Street, Suite 1100, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1933' FWL & 724' FNL  
NE/4 NW/4  
Section 7-T10S-R17E SLM

14. PERMIT NO. 43-013-30717 | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5956 GR

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) <input type="checkbox"/>               |  |

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

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

BLM approval from Jerry Kenczka, 11:00 a.m. 2/6/87.

1. Set CIPB @ 4509.
2. Displace hole w/9.4 ppg fresh water mud.
3. Pump 230' cement plug from 4386' to 4156'.
4. Pump 5 BW down 8 5/8" X 5 1/2" annulus @ 3 BPM, 400 psi.
5. Pump 30 sx cement flush w/6 bbls 9.4# mud down casing annulus.
6. Set 25 sx plug from 2442' to 2242'.
7. Set 25 sx plug from 396' to 196'.
8. Set class G neat cement plug from 190' to surface.
9. Remove casing head, fill hole with cement.
10. Install dryhole marker 2/13/87.

Note: Plugs were tagged and checked - witnessed by Tim O'Brien.

**RECEIVED**  
MAR 26 1987

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Sr. Operations Engineer DATE 3/10/87

(This space for Federal or State office use)

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

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

\*See Instructions on Reverse Side  
DATE 3-30-87  
BY [Signature]

We are pleased to announce  
that effective immediately  
TCPL Resources U.S.A. Ltd.  
has changed its name to  
Wessely Energy Company.  
The address and phone  
number will remain:  
216-16th Street, Suite 1100,  
Denver, Colorado, 80202,  
(303) 629-7766.

1. AFE #21-7
2. Wilkins #2-24A5
3. " # 1-24(A5)
4. White Mule Springs 14-5
5. Josie #1A-3B5
6. Josie # 1-3B5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

3

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug  
Use "APPLICATION FOR PERMIT—" for such purposes.)

RECEIVED  
MAR 31 1987

5. LEASE DESIGNATION AND SERIAL NO.  
U-50972  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
040204

1. OIL WELL  GAS WELL  OTHER  Dry Hole

2. NAME OF OPERATOR  
Wessely Energy Company

3. ADDRESS OF OPERATOR  
216 16th Street, Suite 1100, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1933' FWL & 724' FNL  
NE/4 NW/4  
Section 7-T10S-R17E SLM

14. PERMIT NO.  
43-013-30717

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5956 GR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
White Mule Springs

9. WELL NO.  
21-7

10. FIELD AND POOL, OR WILDCAT  
Undesignated

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
Section 7-T10S-R17E SLM

12. COUNTY OR PARISH  
Duchesne

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) <input type="checkbox"/>               | (Other) <input type="checkbox"/>                 |

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

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

BLM approval from Jerry Kenczka, 11:00 a.m. 2/6/87.

1. Set CIPB @ 4509.
2. Displace hole w/9.4 ppg fresh water mud.
3. Pump 230' cement plug from 4386' to 4156'.
4. Pump 5 BW down 8 5/8" X 5 1/2" annulus @ 3 BPM, 400 psi.
5. Pump 30 sx cement flushed w/6 bbls 9.4# mud down casing annulus.
6. Set 25 sx plug from 2442' to 2242'.
7. Set 25 sx plug from 396' to 196'.
8. Set class G neat cement plug from 190' to surface.
9. Remove casing head, fill hole with cement.
10. Install dryhole marker 2/13/87.

Note: Plugs were tagged and checked - witnessed by Tim O'Brien.

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Sr. Operations Engineer DATE 3/10/87

(This space for Federal or State office use)

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

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

DATE: 4-1-87  
BY: [Signature]

\*See Instructions on Reverse Side