

CONFIDENTIAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Yates Petroleum Corporation (505) 748-1471

3. ADDRESS OF OPERATOR
105 South 4th Street, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 1100' FSL & 1400' FWL (SESW)
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14 air miles SE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1,100'

16. NO. OF ACRES IN LEASE
4,052

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
6,320'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,395' ungraded ground

22. APPROX. DATE WORK WILL START*
Dec. 15, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-------------------|---------------|--------------------|
| 17-1/2" | 13-3/8" | 48* (H-40 ST&C) | 85' | 40 SX |
| 12-1/4" | 8-5/8" | 24* (J-55 ST&C) | 2,200' | 950 SX |
| 7-7/8" | 5-1/2" | 15.5* (J-55 ST&C) | 6,320' | 310 SX |

- Along with other sections, lease is all of Sec. 17, T. 38 S., R. 24 E. Yates is designated operator for all of Section 17.
- Request exception to Rule 302 because of geology and topography. Exception is to the drilling window line, not to a lease line nor to another well.
 - Orthodox well could be drilled at 860' FSL & 1780' FWL, but the pad would block a canyon with no room to divert drainage, thus we need an exception.
 - Request permission to drill at 1100' FSL & 1400' FWL 17-38s-24e SLBM, San Juan County, Utah.
 - There are no existing wells which offset the proposed exception. Eight potential wells on the adjoining quarter-quarters could offset the proposed location, five would be on lease U-57470.
 - Yates is the lessee of all lands within a 1,100' radius.
 - Yates is the lessee of all drilling units within a 1,100' radius.

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 Brian Wood TITLE Consultant DATE 12-7-87

(This space for Federal or State office use)

PERMIT NO. 43-037-31379

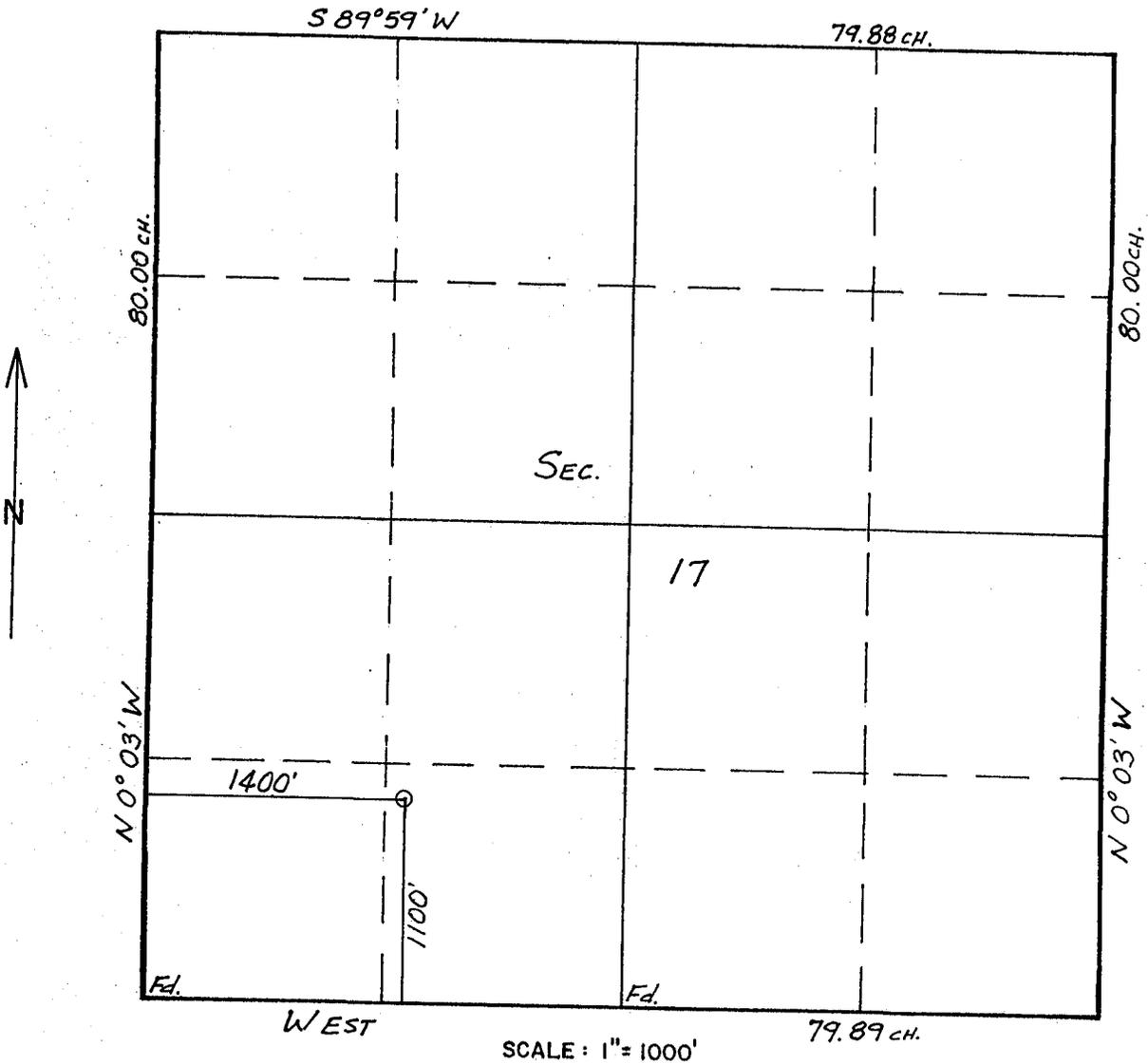
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____

DATE: 12/14/87
BY: [Signature]
WELL SPACING: R615-3-3

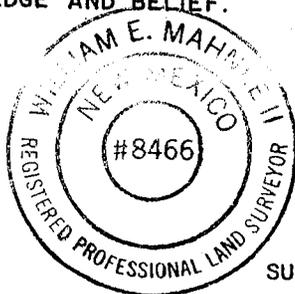
*See Instructions On Reverse Side

COMPANY YATES PETROLEUM CORPORATION
 LEASE BRUSHEART FEDERAL WELL NO. 1
 SEC. 17, T. 38 S, R. 24E
 COUNTY San Juan STATE Utah
 LOCATION 1100'FSL & 1400'FWL
 ELEVATION 5395



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.

SEAL:



William E. Mahnke II
 WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. N° 8466

SURVEYED DEC. 3, 1987

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

011106

5. LEASE DESIGNATION AND SERIAL NO.
U-57470

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 1b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Brusheart Federal

2. NAME OF OPERATOR
Yates Petroleum Corporation (505) 748-1471

9. WELL NO.
#1

3. ADDRESS OF OPERATOR
105 South 4th Street, Artesia, NM 88210

10. FIELD AND POOL, OR WILDCAT
Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 1100' FSL & 1400' FWL (SESW)
 At proposed prod. zone: Same

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
17-38s-24e SLBM

SECTION FROM NEAREST TOWN OR POST OFFICE
14 air miles SE of Blanding, Utah

12. COUNTY OR PARISH | 13. STATE
San Juan | Ut.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
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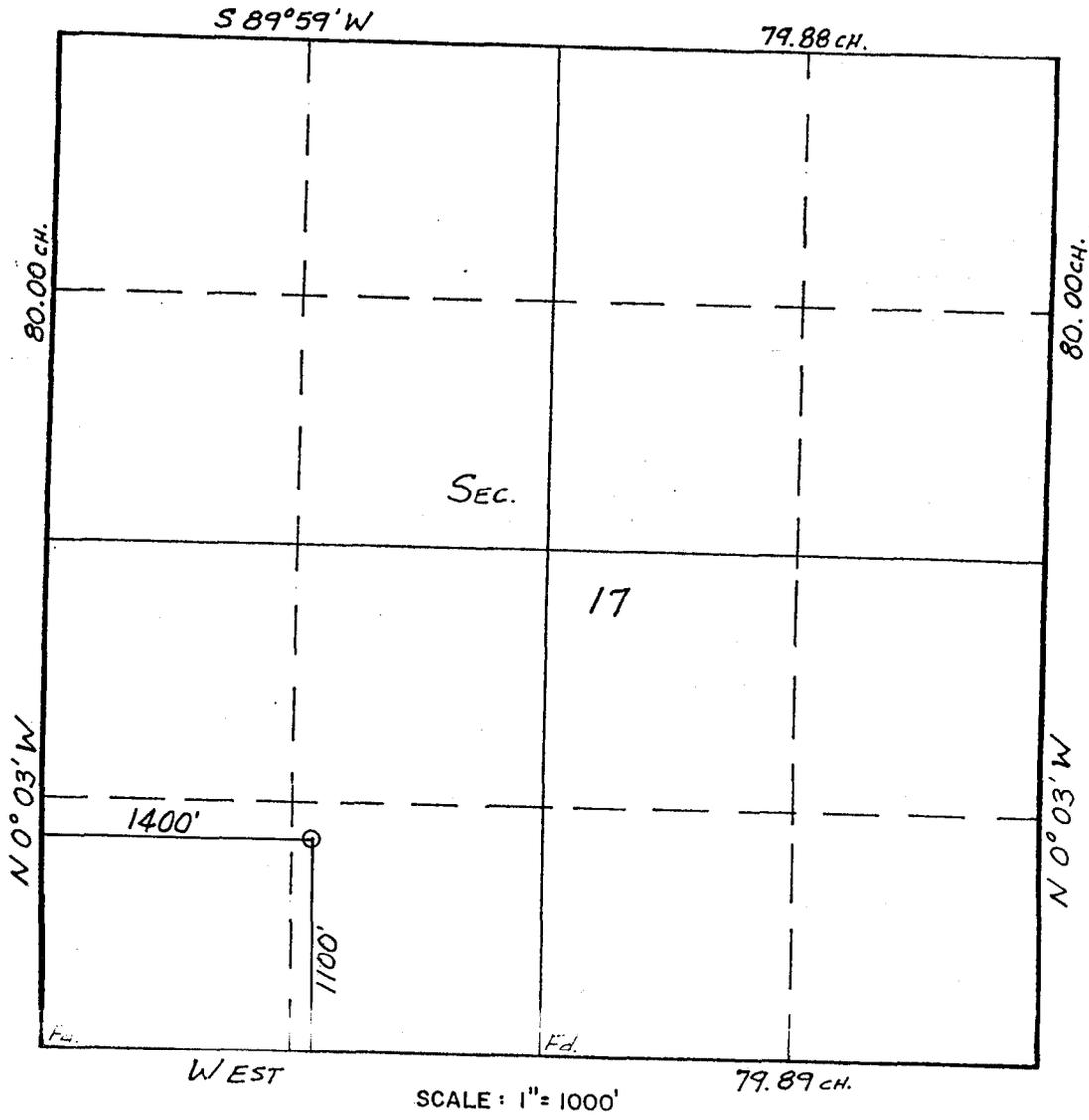
24. SIGNED: [Signature] TITLE: Consultant DATE: 12-7-87
 (This space for Federal or State office use)

PERMIT NO. /S/ GENE NODINE APPROVAL DATE: JAN 05 1988
 APPROVED BY: [Signature] TITLE: SECRETARY DATE: JAN 05 1988

CONDITIONS OF APPROVAL, IF ANY:
 FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80
 CONDITIONS OF APPROVAL ATTACHED
 (LA 1 (1), MDO (3), SJRA (1), UDOGM (2))

*See Instructions On Reverse Side

COMPANY YATES PETROLEUM CORPORATION
 LEASE BRUSHEART FEDERAL WELL NO. 1
 SEC. 17, T. 38 S, R. 24E
 COUNTY San Juan STATE Utah
 LOCATION 1100'FSL & 1400'FWL
 ELEVATION 5395



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.

SEAL:

WILLIAM E. MAHNKE II
 NEW MEXICO P.L.S. NO 8466

SURVEYED DEC. 3, 1987

Yates Petroleum Corporation
Well No. Brusheart Federal 1
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah
Lease U-57470

CONDITIONS OF APPROVAL

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

Yates Petroleum Corporation is the bonded entity on this application. Liability will remain with the bonded party named above until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to drill.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

~~1 day prior to running and cementing surface casing~~

~~1 day prior to running and cementing bore and surface casing~~

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6038

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. - TREAS.

December 1, 1987

To Whom It May Concern:

This letter authorizes Mr. Bryan Wood of Permits West to sign the Application for Permit to Drill, Sundry Notices and Right-of-Way Applications for Yates Petroleum Corporation.

Very truly yours,

YATES PETROLEUM CORPORATION

Randy G. Patterson
Land Manager

CC.

RGP:rj

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

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All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Yates Petroleum Corporation will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

1. ESTIMATED FORMATION TOPS

| <u>Formation Name</u> | <u>Depth from GL*</u> | <u>Depth from KB</u> | <u>Subsea Depth</u> |
|-----------------------|-----------------------|----------------------|---------------------|
| Dakota Ss | 000' | 12' | +5,395' |
| Morrison | 100' | 112' | +5,295' |
| Entrada Ss | 985' | 997' | +4,410' |
| Navajo Ss | 1,175' | 1,187' | +4,220' |
| Chinle | 2,095' | 2,107' | +3,300' |
| Shinarump | 2,785' | 2,797' | +2,610' |
| Cutler | 2,920' | 2,932' | +2,475' |
| Honaker Trail | 4,825' | 4,837' | + 570' |
| Paradox | 5,780' | 5,792' | - 385' |
| Upper Ismay | 5,930' | 5,942' | - 535' |
| Lower Ismay | 6,090' | 6,102' | - 695' |
| Desert Creek | 6,205' | 6,217' | - 810' |
| Lower Desert Creek | 6,250' | 6,262' | - 855' |
| Akah Shale | 6,295' | 6,307' | - 900' |
| Total Depth (TD) | 6,320' | 6,332' | - 925' |

* ungraded Ground Level

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San Juan County, Utah**

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2. NOTABLE ZONES

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

Possible Fresh Water Zones

Entrada: 985'

Navajo: 1,175'

Possible Uranium Zones

Morrison: 100'

Chinle: 2,095'

Possible Oil & Gas Zones

Honaker Trail: 4,825'

Upper Ismay: 5,930'

Lo. Desert Creek: 6,250'

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5." on PAGE 4)

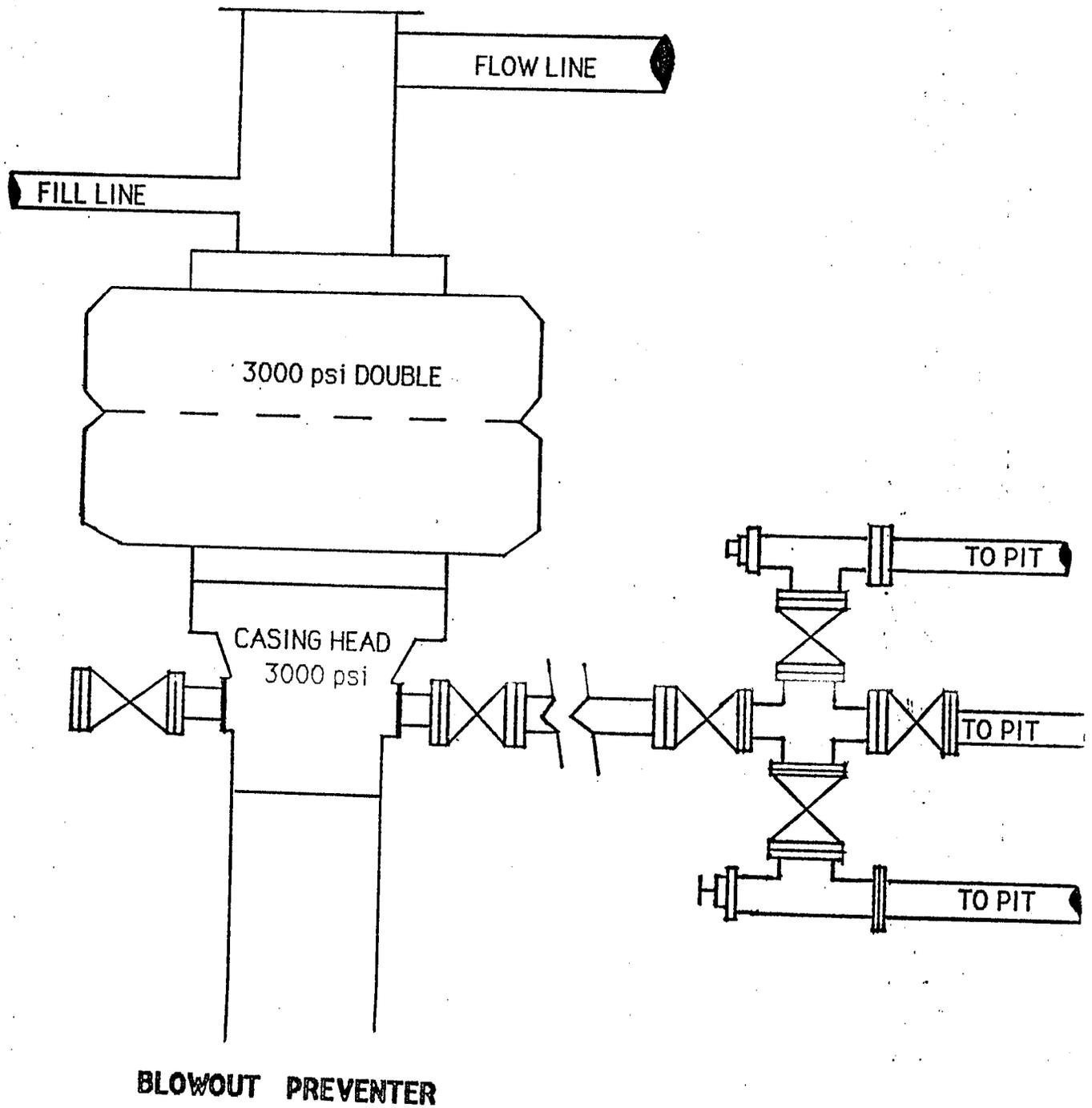
BOP systems will be consistent with API RP 53. A diagram of a typical 3,000 psi BOP is on Page 3. Actual model will not be known until bid is let. Auxiliary equipment will include a kelly cock, pit level indicator, flow sensor, and sub with full opening valve on the floor.

BOPs will be nipped up when intermediate casing is set. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

BOPs will be inspected and operated at least daily to assure good mechanical working order. The inspection will be recorded on the daily drilling report.

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4. CASING & CEMENTING

| <u>Hole Size</u> | <u>O.D.</u> | <u>Weight</u> | <u>Grade</u> | <u>Type</u> | <u>Age</u> | <u>Setting Depth (GL)</u> |
|------------------|-------------|---------------|--------------|-------------|------------|---------------------------|
| 17-1/2" | 13-3/8" | 48* | H-40 | ST&C | New | 0'-85' |
| 12-1/4" | 8-5/8" | 24* | J-55 | ST&C | New | 0'-2,200' |
| 7-7/8" | 5-1/2" | 15.5* | J-55 | ST&C | New | 0'-6,320' |

Conductor Pipe (0-85'): Cement to surface with 40 sx standard cement.

Surface Casing (0'-2,200'): Cement to surface in one stage with 950 sx Class C and 2% CaCl₂. Casing shoe @ 2,200' with float equipment @ ≈2,160'

Production Casing (0'-6,320'): Cement across zones of interest in one stage, or as warranted, to 5,000' with 310 sx (≈235 cu. ft.) Class C. Casing shoe @ 6,320' with float collar @ ≈6,280'

The San Juan Resource Area will be notified one day before running casing strings and cement.

5. MUD PROGRAM

| <u>Depth</u> | <u>Type</u> | <u>Weight (ppg)</u> | <u>Viscosity</u> | <u>Fluid Loss</u> |
|---------------|------------------------|---------------------|------------------|-------------------|
| 0'-5,500' | Fresh Water | | | |
| 5,500'-6,320' | Fr. Water Gel & Starch | 8.5-9.8 | 35-45 | 10-15 cc |

6. CORING, TESTING, & LOGGING

No cores are planned. Cuttings will be collected every 10' from the base of the surface casing (2,200') to TD (6,320'). Drill stem tests may be run in the Upper Ismay (primary objective), Honaker Trail (secondary objective),

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1100' FSL & 1400' FWL
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and Lower Desert Creek (secondary objective) if good shows are found. The following logs may be run:

TD (6,320') to Surface (000'): Gamma Ray
TD (6,320') to Base of Surface Casing (2,200'): CNL/LDT
DLL w/ RXO
BHC-Sonic

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3162.4-1. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,500 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

8. MISCELLANEOUS

The anticipated spud date is December 15, 1987. It is expected it will take 20 days to drill the well and 10 days to complete the well.

If time permits, Yates Petroleum Corporation or its dirt contractor, will contact the Resource Area 48 hours before starting dirt work. However, construction is anticipated to begin immediately upon approval of the APD.

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BLM may inspect or witness the following:

- 1) BOP tests or cementing and testing surface casing
- 2) Setting and testing surface casing shoe plug on a dry hole
- 3) Setting and testing of plugs across a producing horizon, and if applicable, the surface casing shoe plug and/or annulus squeeze jobs on a depleted producer.

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

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5

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1100' FSL & 1400' FWL
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San Juan County, Utah**

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business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following data will be beaded on with a welding torch: Yates Petroleum Corporation, Brusheart Federal #1, SESW 17-38s-24e, U-57470.

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Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

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13 Point Surface Use Plan

1. EXISTING ROADS (See PAGES 16-17)

From the Post Office in Montezuma Creek, Utah, go north 14.1 mi. on U-262.

Then turn right and go east 6.8 mi. on a paved county road (N-5099) to Hatch Trading Post.

Then turn left and go north and west 13.6 mi. on a county road (#246) which starts out paved, turns to gravel, and ends as dirt (#206).

Then turn left and go south 2.6 mi. on what is first a rock county road (#204), but soon reverts to dirt.

Existing roads are state, BIA, and county. Roads will be maintained to a standard at least equal to their present condition. Since the well bore is just 50' east of county road #204, a detour (see below) will be built. That is the only improvement planned for existing roads.

Bernal Bradford, Road Supervisor for the south half of San Juan County, approved the detour in a conversation with Brian Wood on December 8, 1987. Mr. Bradford recommended approval of the Encroachment Permit.

2. NEW ROADS (See PAGE 17)

There will be \approx 700' of new road built \approx 50' west of the existing county road. It will be flat bladed with a maximum disturbed width of 30'. There will be no turnouts, culverts, cattleguards, or gates. Maximum cut or fill will be 3'. Maximum grade will be 4%. If the well is dry, then the detour will be reclaimed and the original road rebuilt. If the well is productive, then the detour will be permanent. The detour has been archaeologically cleared.

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Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager.

Access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If the deadline cannot be met, the Resource Area will be notified so temporary drainage control can be installed. Class 3 Road Standards control drainage by using topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint Yates-BLM field inspection.

3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile. There is one proposed well (Abo Petroleum's Arabian Federal #6) 4,866' southwest at 2195' FSL & 2180' FEL 19-38s-24e.

4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

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San Juan County, Utah

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Site security regulations in 43 CFR 3162.7-4 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

Oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

If at any time these facilities located on public lands authorized by the terms of the lease are no longer included in the lease, the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation determined by the authorized officer.

5. WATER SUPPLY (See PAGE 17)

Water will be trucked from a ponds on Clyde Watkins' land in NW Sec. 1, T. 37 S., R. 22 E. or Richard Perkins' land in SE Sec. 12, T. 38 S. R. 24 E. Both landowners have concurred and an Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights.

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1100' FSL & 1400' FWL
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6. CONSTRUCTION MATERIALS

Pad construction materials will be on lease native rock in place on the well pad. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.1-3.

7. WASTE DISPOSAL

The reserve pit will be sufficiently lined with commercial bentonite to prevent leaks. At least half of the capacity will be in cut.

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All well trash will be placed in a burn pit. It will be built near the mud tanks and dug at least 6' into cut. It will be totally enclosed with a fine wire mesh before the rig moves in. A burning permit is required for burning trash between May 1 and October 31. A burning permit can be obtained by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

Yates Petroleum Corporation
Brusheart Federal # 1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

There will be no airstrip or formal camp. Three camper trailers may be on site for the company man, mud logger, and tool pusher.

9. WELL SITE LAYOUT

See PAGES 18 & 19 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, and rig orientation. No soil is present, thus, no topsoil will be saved. However, trees and brush will be stockpiled.

10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the burn pit.

Yates' dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. All disturbed areas will be ripped 6" deep and 18" apart with the contour.

Seed will be broadcast between October 1 and February 28 as follows:

| <u>Species</u> | <u>Rate (pounds/acre)</u> |
|--|---------------------------|
| Crested wheatgrass (<i>Agropyron desertorum</i>) | 6 |
| Four-wing saltbush (<i>Atriplex canescens</i>) | 2 |
| Yellow sweet clover (<i>Melilotus officinalis</i>) | 1/2 |

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

PAGE 13

After seeding is complete, stockpiled trees will be scattered evenly over the disturbed area.

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described.

11. SURFACE OWNER

Owner of the pad and access road is the U.S. Government and is administered by the Bureau of Land Management.

12. OTHER INFORMATION

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

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3162.3-2.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.3-2.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. Anyone disturbing archaeological sites or collecting artifacts, including arrowheads, is subject to prosecution.

LaPlata Archeological Consultants have inspected the pad and road and

**Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah**

PAGE 14

recommended that clearance be granted.

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

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111. Ask for Dale Manchester.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141. Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 40 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 984-8120

The field representatives for Yates Petroleum Corporation will be either Tim Bussell, Paul Carrey, or Jim Krogman. One of the three will either be on location or at the Sands Motel in Cortez, Colorado ((303) 565-3761).

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

PAGE 15

CERTIFICATION

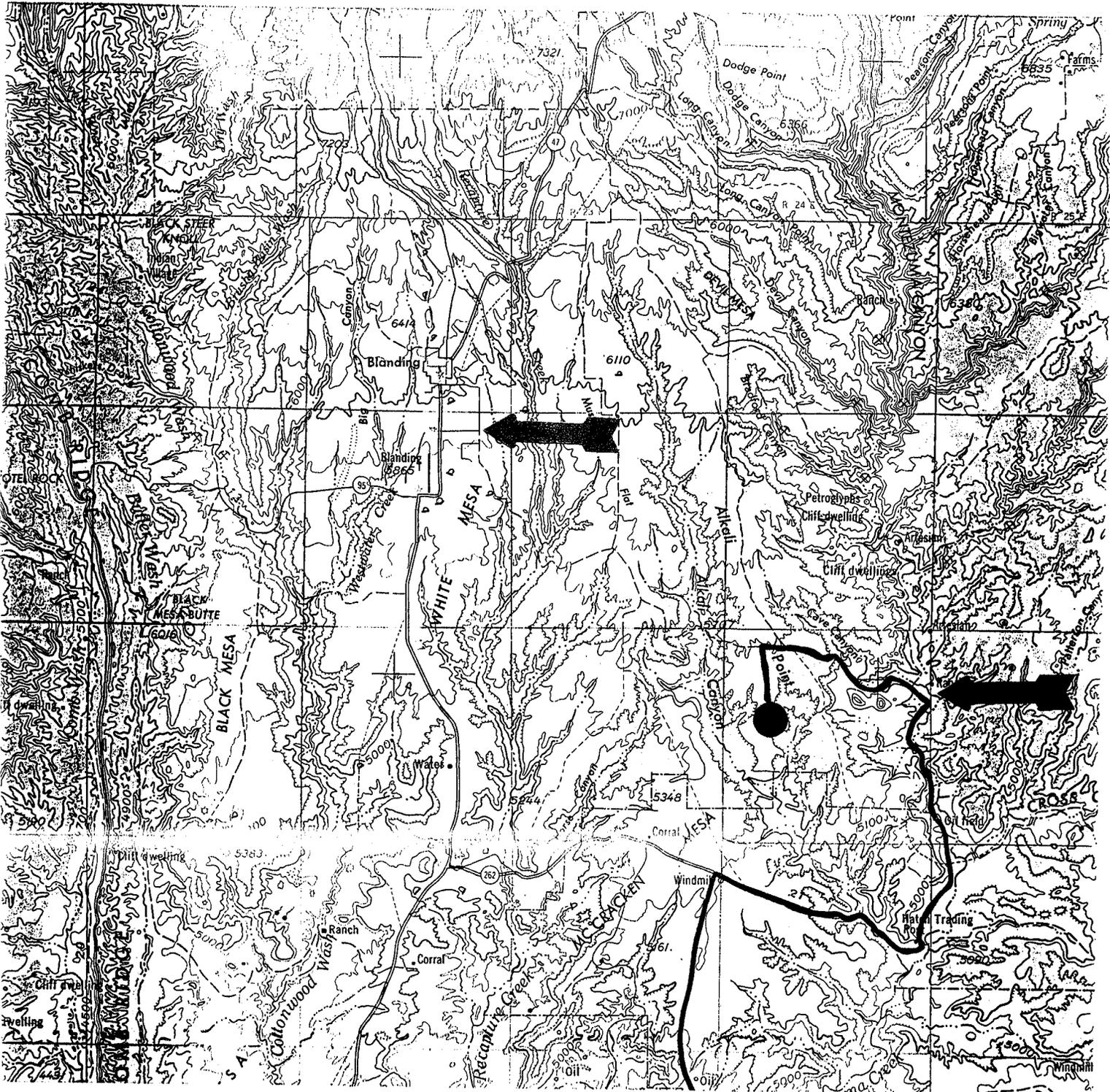
I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Brian Wood

12-7-87
Date

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

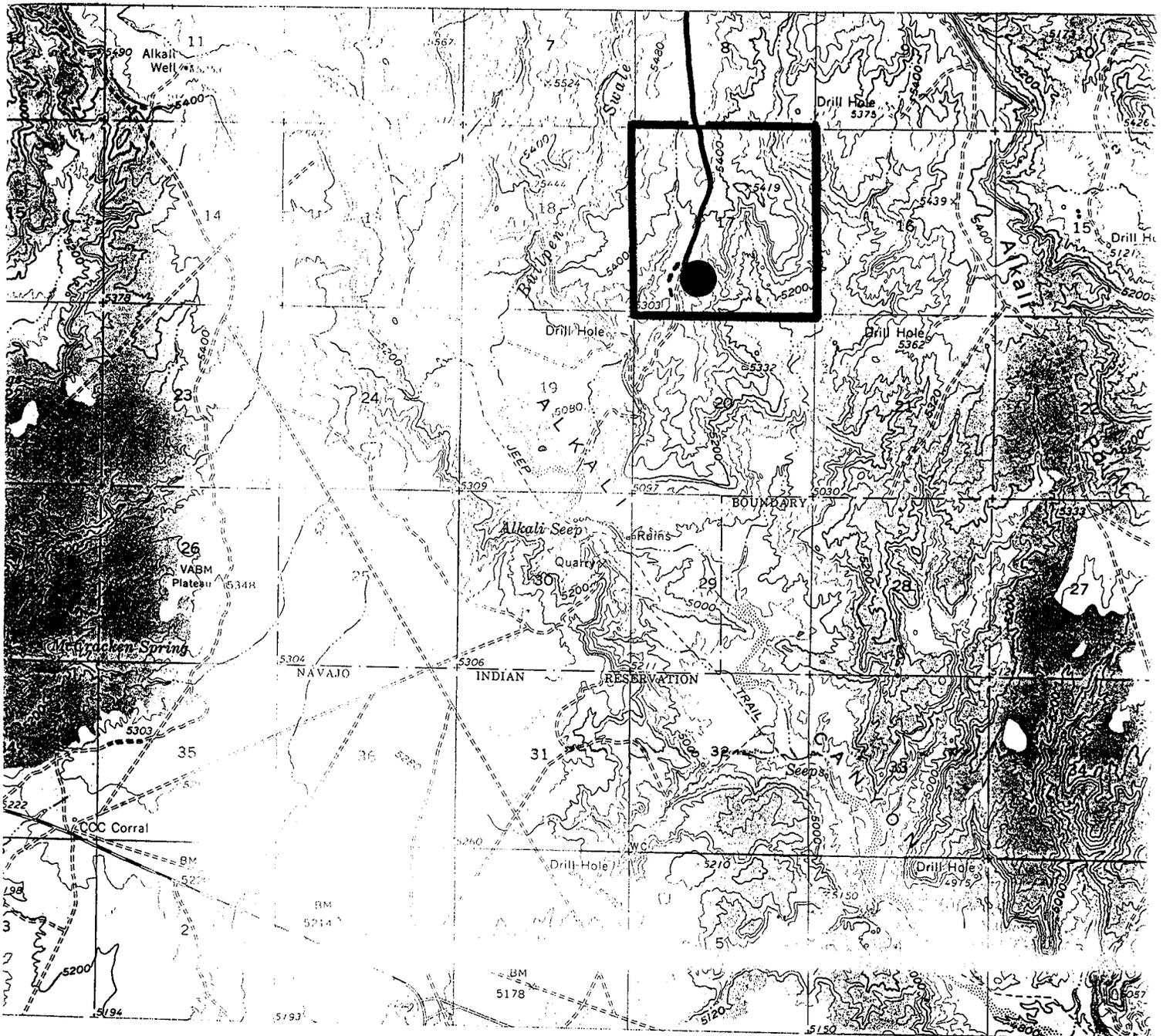


BRUSHEART FEDERAL #1: ●

ACCESS: —

WATER SOURCE: ←

Yates Petroleum Corporation
 Brusheart Federal #1
 1100' FSL & 1400' FWL
 Sec. 17, T. 38 S., R. 24 E.
 San Juan County, Utah

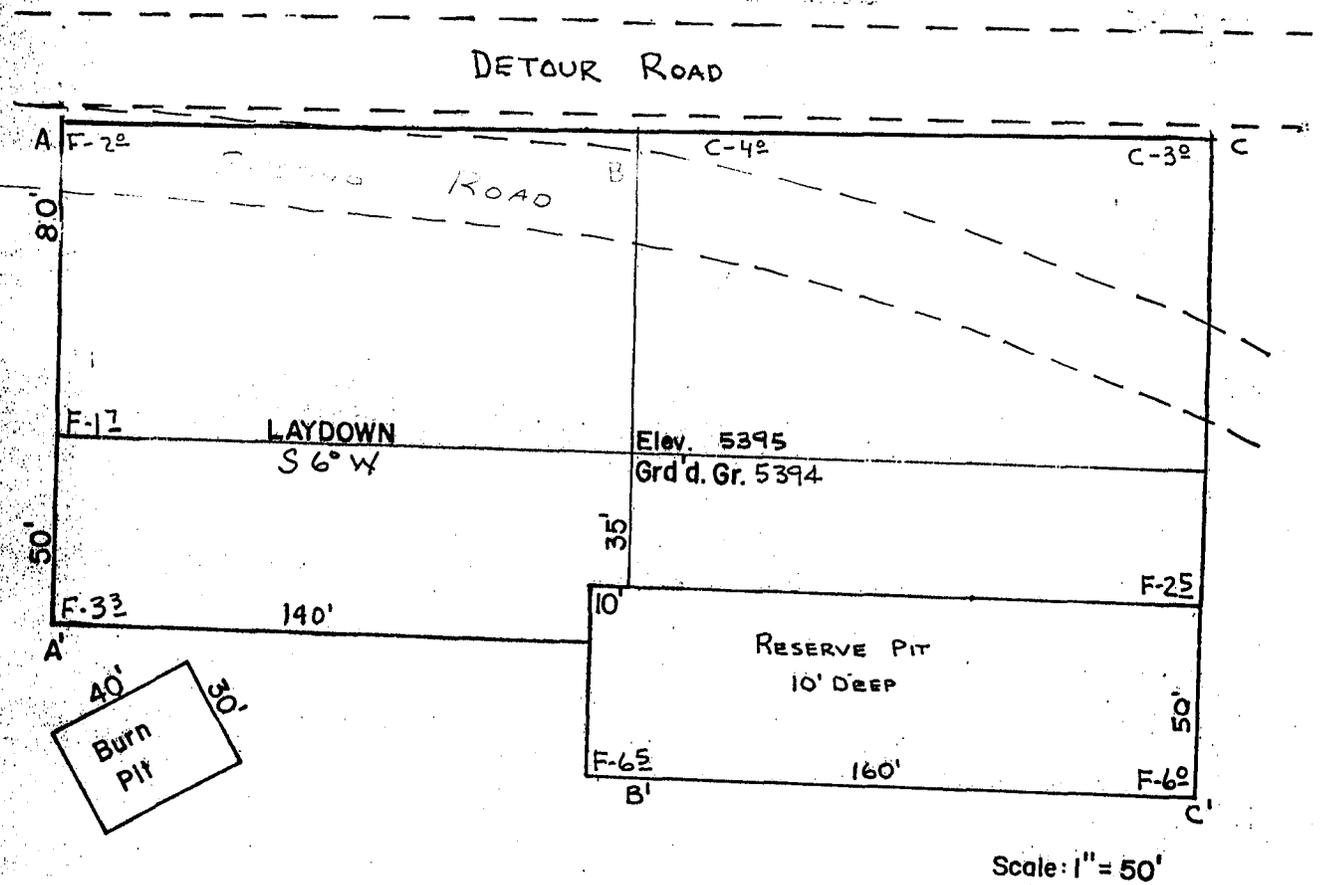


BRUSHEART FEDERAL #1: ●

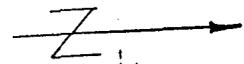
EXISTING ACCESS: —

PART OF LEASE U-57470: └

NEW DETOUR: - - -



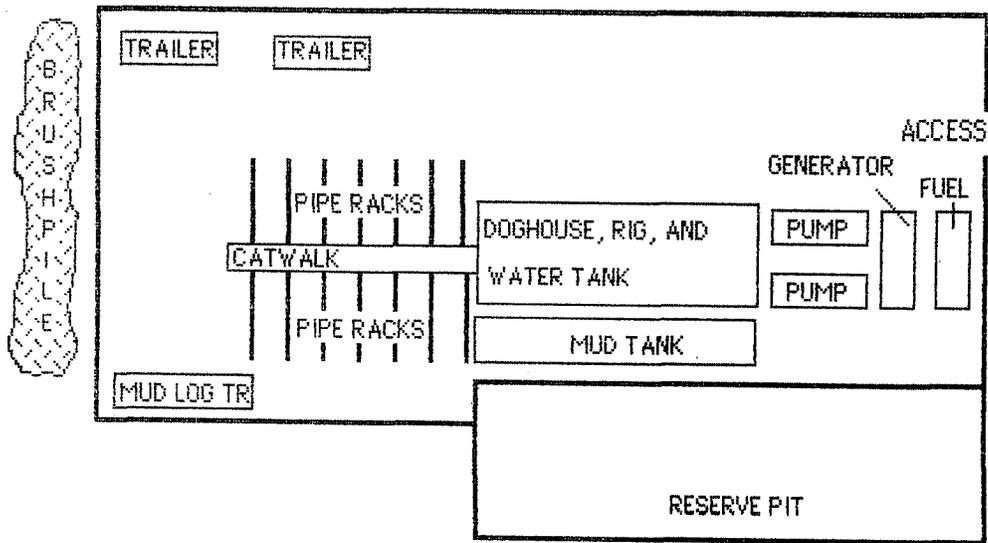
Scale: 1" = 50'



| A-A' | | Vert.: 1" = 30' | | Horiz.: 1" = 100' | | C/L | |
|------|--|-----------------|--|-------------------|--|-----|--|
| 5400 | | | | | | | |
| 5390 | | | | | | | |
| B-B' | | | | | | | |
| 5400 | | | | | | | |
| 5390 | | | | | | | |
| C-C' | | | | | | | |
| 5400 | | | | | | | |
| 5390 | | | | | | | |

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah

PAGE 19



TEMPORARY FILING FOR WATER IN THE STATE OF UTAH

RECEIVED

RECEIVED

Rec. by [signature] Fee Rec. 30.00 Receipt # 23369 Microfilmed Roll #

DEC 2 1987

DEC 04 1987

WATER RIGHTS PRICE

APPLICATION TO APPROPRIATE WATER

WATER RIGHTS SALT LAKE

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

* WATER RIGHT NO. 09 - 1548 * APPLICATION NO. A T 62984

1. *PRIORITY OF RIGHT: December 2, 1987 * FILING DATE: December 2, 1987

2. OWNER INFORMATION

Name(s): Yates Petroleum Corporation c/o Permits West, Inc. * Interest: 100% Address: 37 Verano Loop (505) 984-8120 City: Santa Fe State: NM Zip Code: 87505

Is the land owned by the applicant? Yes No XXX (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: cfs and/or Eight ac-ft

4. SOURCE: Stock Reservoir (Well) * DRAINAGE: which is tributary to Brown Canyon which is tributary to Recapture Creek

POINT(S) OF DIVERSION: COUNTY: San Juan North 2550 feet and East 50 feet from the SW corner of Sec. 1, T. 37 S., R. 22 E., SLBM (N. 2558 ft. & E. 10 ft. from SW Cor. Sec. 1, T37S, R22E, SLB&M)

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks. 6" well, 185 ft. deep * COMMON DESCRIPTION: 1 mile SE of Blanding Blanding Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from N/A at a point:

Description of Rediverting Works:

6. POINT(S) OF RETURN

The amount of water consumed will be N/A cfs or 8.0 ac-ft The amount of water returned will be cfs or ac-ft The water will be returned to the natural stream/source at a point(s):

7. STORAGE

Reservoir Name: N/A Storage Period: from to Capacity: ac-ft. Inundated Area: acres Height of dam: feet Legal description of inundated area by 40 acre tract(s):

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8. List any other water rights which will supplement this application _____
Application supplements Clyde Watkins' water rights for stockwatering, irrigation, etc.

9. NATURE AND PERIOD OF USE

| | | |
|----------------|---------------------------|-------------------------|
| Irrigation: | From _____ | to _____ |
| Stockwatering: | From _____ | to _____ |
| Domestic: | From _____ | to _____ |
| Municipal: | From _____ | to _____ |
| Mining: | From _____ | to _____ |
| Power: | From _____ | to _____ |
| Other: | From <u>Dec. 15, 1987</u> | to <u>Dec. 14, 1988</u> |

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

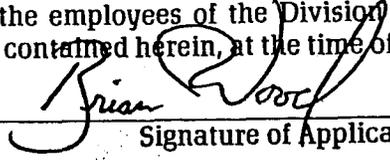
11. PLACE OF USE

Legal description of place of use by 40 acre tract(s):
2480' FSL & 1840' FWL in NESW of Sec. 31, T. 36 S., R. 23 E. at Lems Draw Federal #1 oil well.
860' FSL & 1780' FWL in SESW of Sec. 17, T. 38 S., R. 24 E. at Brushart Federal #1 oil well.
1) Lems Draw Federal #1:
N. 2480 ft. & E. 1840 ft. from SW Cor. Sec. 31, T36S, R22E, SLB&M (NE $\frac{1}{2}$ SW $\frac{1}{2}$).
2) Brushart Federal #1:
N. 860 ft. & E. 1780 ft. from SW Cor. Sec. 17, T38S, R24E, SLB&M (SE $\frac{1}{2}$ SW $\frac{1}{2}$).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #4: Land is private and owned by Clyde Watkins of Blanding, Utah (801-678-2414). Mr. Watkins has approved this use. Mr. Watkins has a water well which drains into the stock reservoir.
From #12: Oil wells are both located on federal land administered by the Bureau of Land Management.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).



Signature of Applicant(s)

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
Upon approval
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Local Governments
5. TYPE OF ACTION: // Lease /X/ Permit // License // Land Aquisition
// Land Sale // Land EXchange // Other _____
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Yates Petroleum Corp. proposes to drill a wildcat well, the Brusheart Federal #1, on federal lease number U-57470 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence.
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, SW/4, Section 17, Township 38 South, Range 24 East, San Juan County, Utah
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
No significant impacts are likely to occur
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
Chip Hutchinson, Moab, 259-8151
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
John Baza
PHONE: 538-5340
DATE: 12-8-87
Petroleum Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 DEC 8 1987

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

2. NAME OF OPERATOR
 Yates Petroleum Corporation (505) 748-1471
 DIVISION OF OIL, GAS & MINING

3. ADDRESS OF OPERATOR
 105 South 4th Street, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 1100' FSL & 1400' FWL (SESW)
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 14 air miles SE of Blanding, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1,100'
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A

17. NO. OF ACRES IN LEASE 4,052
 19. PROPOSED DEPTH 6,320'

15. LEASE DESIGNATION AND SERIAL NO. U-57470
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
 7. UNIT AGREEMENT NAME N/A
 8. FARM OR LEASE NAME Brusheart Federal
 9. WELL NO. #1
 10. FIELD AND POOL, OR WILDCAT Wildcat
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 17-38s-24e SLBM
 12. COUNTY OR PARISH San Juan
 13. STATE Ut.
 17. NO. OF ACRES ASSIGNED TO THIS WELL 80
 20. ROTARY OR CABLE TOOLS Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,395' ungraded ground
 22. APPROX. DATE WORK WILL START* Dec. 15, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-------------------|---------------|--------------------|
| 17-1/2" | 13-3/8" | 48* (H-40 ST&C) | 85' | 40 SK |
| 12-1/4" | 8-5/8" | 24* (J-55 ST&C) | 2,200' | 950 SK |
| 7-7/8" | 5-1/2" | 15.5* (J-55 ST&C) | 6,320' | 310 SK |

- Along with other sections, lease is all of Sec. 17, T. 38 S., R. 24 E. Yates is designated operator for all of Section 17.
- Request exception to Rule 302 because of geology and topography. Exception is to the drilling window line, not to a lease line nor to another well.
 - Orthodox well could be drilled at 860' FSL & 1780' FWL, but the pad would block a canyon with no room to divert drainage, thus we need an exception.
 - Request permission to drill at 1100' FSL & 1400' FWL 17-38s-24e SLBM, San Juan County, Utah.
 - There are no existing wells which offset the proposed exception. Eight potential wells on the adjoining quarter-quarters could offset the proposed location, five would be on lease U-57470.
 - Yates is the lessee of all lands within a 1,100' radius.
 - Yates is the lessee of all drilling units within a 1,100' radius.

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 Ryan Rose TITLE Consultant DATE 12-7-87
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

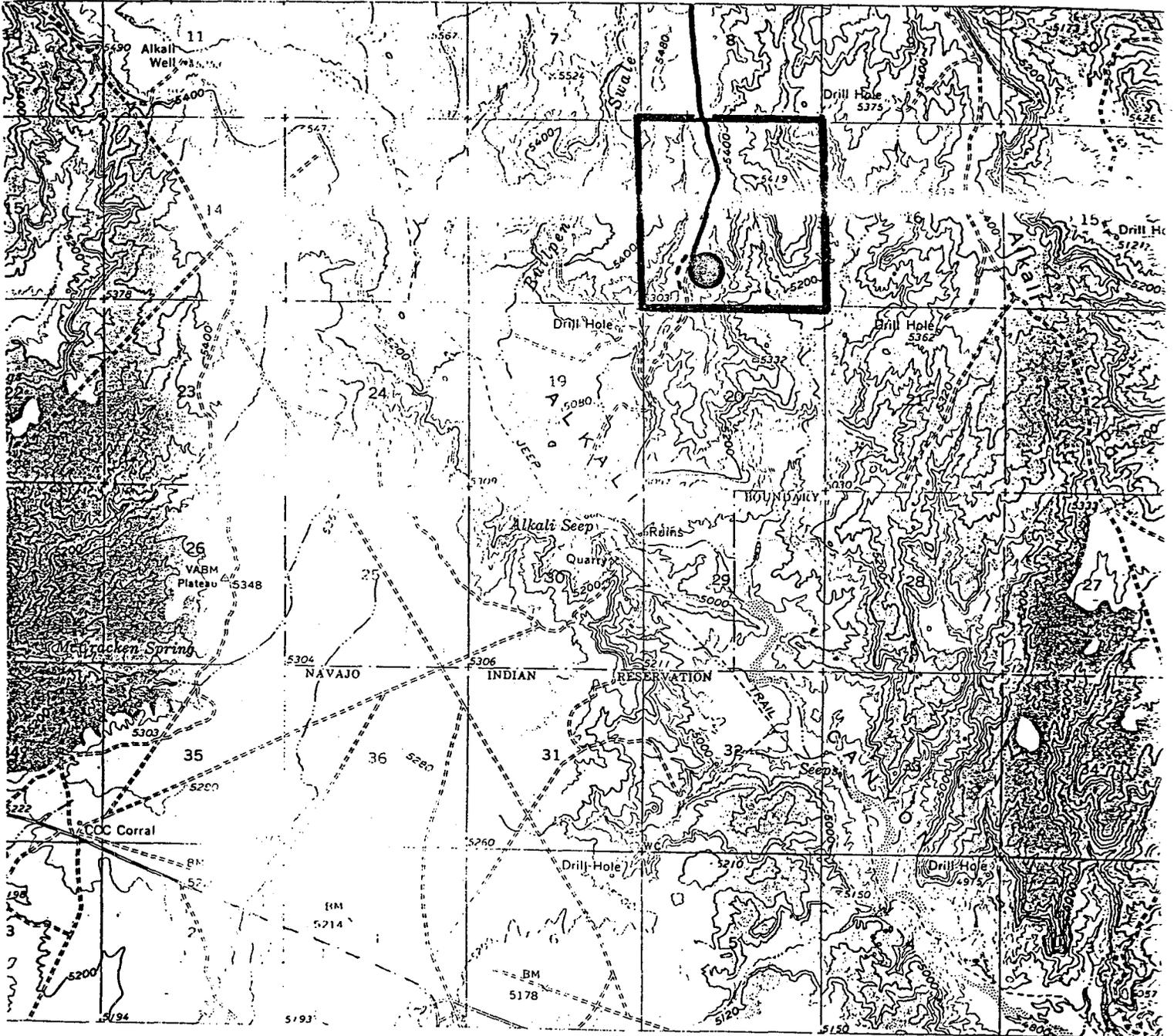
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Cowan (3), MDO (3), SJRA (1), UDOGM (2)

*See Instructions On Reverse Side

Yates Petroleum Corporation
Brusheart Federal #1
1100' FSL & 1400' FWL
Sec. 17, T. 38 S., R. 24 E.
San Juan County, Utah



BRUSHEART FEDERAL #1: 

PART OF LEASE U-57470: 

EXISTING ACCESS: 

NEW DETOUR: 



La Plata Archeological Consultants, Inc.

P.O. Box 783
Dolores, Colorado 81323
303-882-4933

December 8, 1987

Mr. Dale Davidson
Area Archeologist
Bureau of Land Management
P.O. Box 7
Monticello, Utah 84535

Mr. Davidson:

Please find enclosed the archeological survey report for Yates Petroleum Corp.'s Brusheart Fed. #1 and Lems Draw Fed. #1 wells located in San Juan County, Utah. Archeological clearance for both of the projects has been recommended.

Sincerely,

Patrick L. Harden

Distribution:

BLM - Salt Lake City
Division of State History
Yates Petroleum Corp.
Division of Oil, Gas, & Mining
Permits West

PLH/rs

RECEIVED
DEC 10 1987

DIVISION OF
OIL, GAS & MINING

ARCHEOLOGICAL SURVEY OF
YATES PETROLEUM CORP.'S
BRUSHEART FEDERAL #1 WELL,
SAN JUAN COUNTY, UTAH

LAC REPORT 87157

by
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.
P.O. BOX 783
DOLORES, COLORADO 81323
(303) 882-4933

DECEMBER 8, 1987

FEDERAL ANTIQUITIES PERMIT
85UT57626
UTAH STATE PERMIT
U87-LA-768b

Prepared For:

Yates Petroleum Corp.
207 South 4th Street
Artesia, New Mexico 88210

ABSTRACT

The archeological survey of Yates Petroleum Corp.'s Brusheart Federal #1 well pad was conducted by personnel of La Plata Archeological Consultants, Inc. on December 3 and 4, 1987. The project is located on lands administered by the Bureau of Land Management in San Juan County, Utah. An area 660 X 660 feet surrounding the well center stake was inventoried for cultural resources. No archeological sites were found and clearance for the project is recommended.

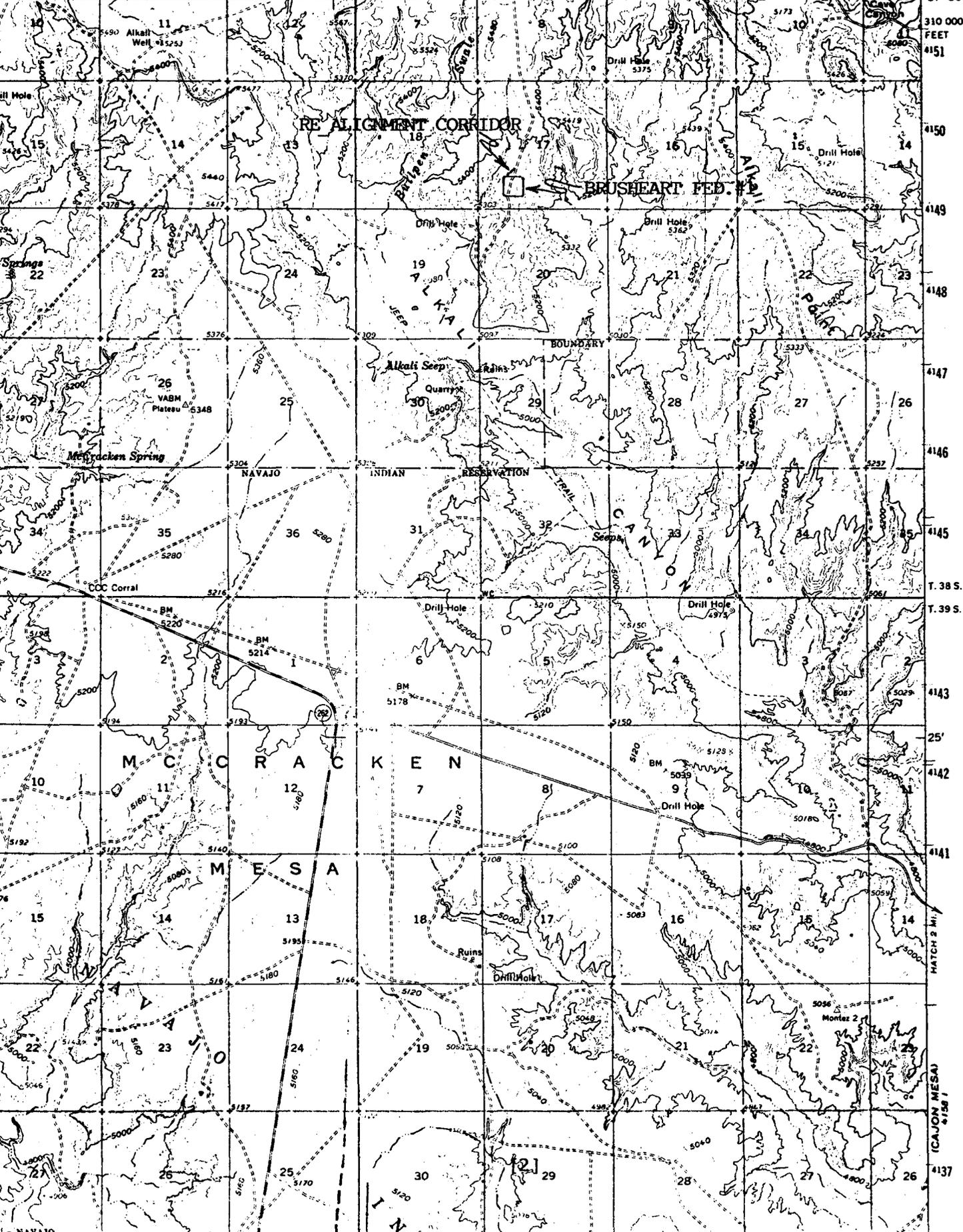
INTRODUCTION

On December 3 and 4, 1987 the archeological survey of Yates Petroleum Corp.'s Brusheart Federal #1 well pad was conducted by Patrick Harden of La Plata Archeological Consultants, Inc. The survey was requested by Mr. Brian Wood (Permits West), acting permit agent for Yates. The proposed project consists of the construction of a single well pad ca. 275 X 325' in size. The access to the well is provided by a county road which crosses the proposed pad. In addition to the well pad, a 100' wide corridor ca. 200' in length for a possible re-alignment of the county road was inventoried. The project is located in the SW 1/4 of section 17, T38S, R24E in San Juan County, Utah on lands administered by the Bureau of Land Management. The area is included on the Montezuma Creek, Utah 15' series topographic quadrangle.

MONTEZUMA CREEK QUADRANGLE
UTAH-SAN JUAN CO.
15 MINUTE SERIES (TOPOGRAPHIC)

4159 II
MONUMENT CANYON

4159 III (BLANDING) 645 646 R. 23 E. 20' R. 24 E. 649 650 651 652 2 650 000 FEET 654 109° 15' 37' 30"



MATCH 2 MI

CAJON MESA 61567

4137

PHYSIOGRAPHY AND ENVIRONMENT

The well is located on a southerly extension of Alkali Ridge (Point) and to the northeast of Alkali Canyon. The terrain is gently sloping, moderately dissected, and heavily eroded.

Sediments consist of aeolian sand and sandy loam over most of the area. Deflation has created a gravelly surface over much of the area to the west of the county road which bisects the project area.

Vegetation is a mixed pinyon-juniper and shadscale association. Juniper, sagebrush, saltbush, and cheat grass are prevalent.

SURVEY PROCEDURES

Prior to the field investigations a file search was requested through the Division of State History. Another search was conducted at the BLM office in Monticello on December 2nd. The latter search indicated that no archeological sites had been recorded in the project area per se.

On-the-ground survey consisted of walking a series of transects spaced 15 meters apart across an area 660 X 660 feet surrounding the well center stake, and two parallel transects along the ca. 200' of possible county road re-alignment. A 100' wide corridor along the re-alignment area was effectively inventoried.

SURVEY RESULTS

No cultural resources were found in the areas surveyed. The nature of the sediments makes the possibility of buried cultural deposits being present highly unlikely.

CONCLUSION

On December 3 and 4, 1987 the archeological survey of Yates Petroleum Corp.'s Brusheart Federal #1 well and a ca. 200' long county road re-alignment corridor was conducted by personnel of La Plata Archeological Consultants, Inc. The project is located on lands administered by the Bureau of Land Management in San Juan County, Utah. An area 660 X 660' surrounding the well center stake and a 100' wide corridor along the re-alignment locale were inventoried. No cultural resources were found and archeological clearance for the project is recommended.

CONFIDENTIAL

123004

OPERATOR Yates Petroleum Corp. DATE 12-9-87
WELL NAME Brushcreek Fed. #1
SEC SESW 17 T 385 R 24E COUNTY San Juan

43-037-31379
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 17.
Need water permit 09-1548 (T 62984)
Exception Requested

CONFIDENTIAL PERIOD EXPIRED
ON 4-07-89

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT _____ R615-3-2
 _____ CAUSE NO. & DATE _____ R615-3-3

STIPULATIONS:

Water



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

December 24, 1987

Yates Petroleum Corporation
105 South 4th Street
Artesia, New Mexico 88210

Gentlemen:

Re: Brusheart Federal #1 - SE SW Sec. 17, T. 38S, R. 24E
1100' FSL, 1400' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

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

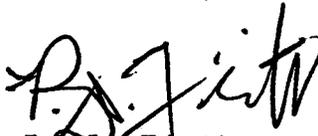
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Yates Petroleum Corporation
Brusheart Federal #1
December 24, 1987

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31379.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

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

011301

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

Dr.

SPUDDING INFORMATION

API #43-037-31379

NAME OF COMPANY: YATES PETROLEUM CORPORATION

WELL NAME: BRUSHEART FEDERAL #1

SECTION SESW 17 TOWNSHIP 38S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Aztec

RIG # 189

SPUDDED: DATE 1-12-88

TIME 12:00 Noon

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Ralph Floane

TELEPHONE # _____

DATE 1-12-88

SIGNED Chip Hutchinson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other P&A

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other **RECEIVED FEB 16 1988**

2. NAME OF OPERATOR
Yates Petroleum Corporation

3. ADDRESS OF OPERATOR
105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1100' FSL & 1400' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
API #43-037-31379

5. LEASE DESIGNATION AND SERIAL NO.

U-57470 *Dr.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

021920

FARM OR LEASE NAME

Brusheart Federal

WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 17-T38S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 1-12-88
16. DATE T.D. REACHED 1-26-88
17. DATE COMPL. (Ready to prod.) Dry
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5395' GR 540KB
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6333'
21. PLUG, BACK T.D., MD & TVD -
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
LDT/CNL; DLL; BHC 2-16-88
27. WAS WELL CORED No

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

| CASINO SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 13-3/8" | 52# | 85' | 17-1/2" | 150 SX | |
| 8-5/8" | 24# | 2218' | 12-1/4" | 1250 SX | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------------|-----------------|
| | | |

31. PERFORATION RECORD (Interval, size and number)

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| | |
| | |
| | |

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

33.* PRODUCTION

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

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

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs

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

SIGNED *[Signature]* TITLE Production Supervisor DATE 2-12-88

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

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

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|-----------|-----|--------|-----------------------------|------------------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | | Entrada | 1008 | |
| | | | | Navajo | 1210 | |
| | | | | Chinle | 2073 | |
| | | | | Shinarump | 2809 | |
| | | | | Cutler | 2962 | |
| | | | | Honaker Trail | 4810 | |
| | | | | Paradox | 5799 | |
| | | | | Up Ismay | 5956 | |
| | | | | Lwr Ismay | 6110 | |
| | | | | Up Desert Creek | 6211 | |
| | | | | Lwr Desert Creek | 6264 | |
| | | | | Akah | 6305 | |
| | | | | TD | 6332 | |

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOB
Chairman
WILLIAM D. HOWELL
Executive Director

P.O. Drawer A-1, Price, Utah 84501 • Telephone 637-5444
FEB 29 1988

DIVISION OF
OIL, GAS & MINING

030724

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 1-129-I)

Other (indicate) _____ SAI Number UT871209-010

Applicant (Address, Phone Number):

Federal Funds:
Requested: _____

Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

PA
43-037-31379

Title:

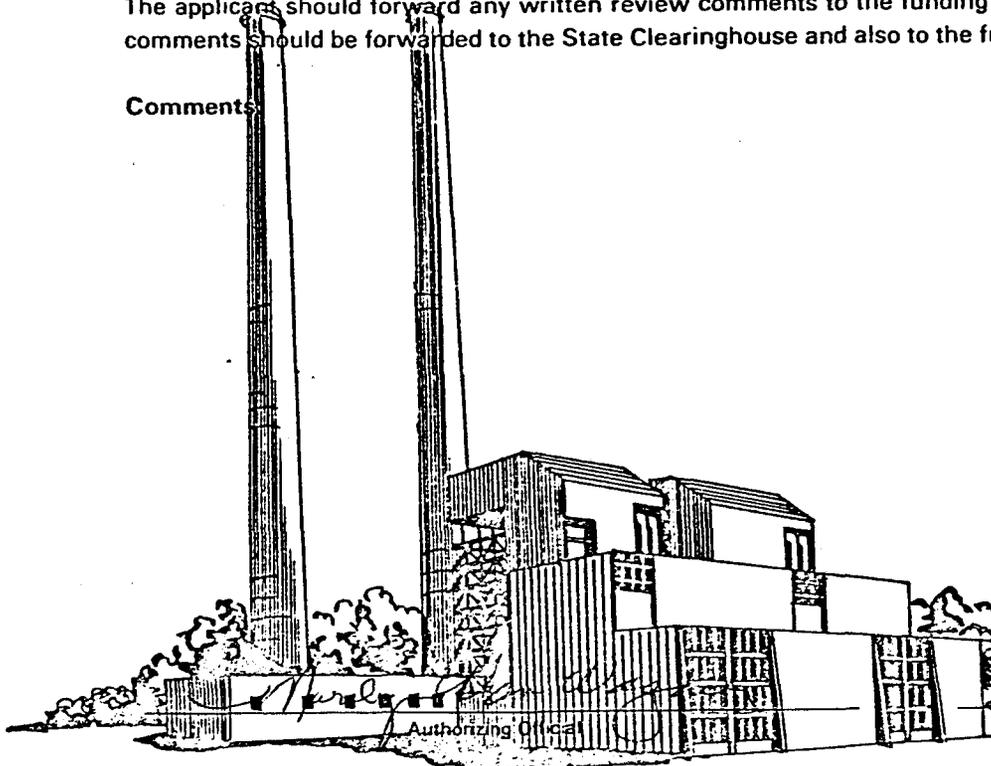
APPLICATION FOR PERMIT TO DRILL
Yates Petro. Corp.

YATES PETROLEUM
BRUSHHEART #1
517, 385 24E - SAN JUAN

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:



Authorizing Official

2-25-88
Date

MEMO TO WELL FILE

July 10, 1991

These wells are PA'd and have received a final abandonment notice from the BLM:

| <u>NAME/API</u> | <u>LOCATION</u> | <u>FAN DATE</u> |
|---------------------------------------|-----------------------|-----------------|
| Cherokee Fed 23-14 43-037-31392 | Sec. 14 T. 37S R. 23E | 5-20-91 |
| 8807 JV-P Havasu #1 43-037-31435 | Sec. 01 T. 38S R. 23E | 5-22-91 |
| Dec Federal #1 43-037-31366 | Sec. 10 T. 38S R. 24E | 5-22-91 |
| Brusheart Fed #1 43-037-31379 | Sec. 17 T. 38S R. 24E | 5-22-91 |
| Black Steer Fed 7-25 43-037-31461 | Sec. 25 T. 38S R. 24E | 5-22-91 |
| Wexpro-9 43-037-30604 | Sec. 18 T. 36S R. 26E | 6-11-91 |
| Muckleshoot Fed 15-32 43-037-31380 | Sec. 15 T. 38S R. 25E | 6-11-91 |