

SAMEDAN OIL CORPORATION
SUITE 2550
1616 GLENARM PLACE
DENVER, COLORADO 80202
303-534-0677
OMNIFAX 303-893-2675

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DEC 23 1987

May 8, 1987

DIVISION OF
OIL, GAS & MINING

Department of the Interior
Bureau of Land Management
P.O. Box 7
Monticello, UT 84535

RE: Lease U-46818
Designation of Agent

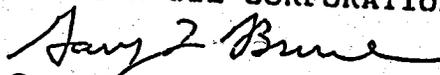
Gentlemen:

You are hereby advised that Permits West, Inc. of Santa Fe, NM has been retained to represent Samedan Oil Corporation to prepare and submit, in its behalf, drilling applications, sundry notice, and completion report forms relating to said drilling plans or surface use plans as assigned by the company.

This responsibility is conferred for the captioned lease, and may be used as reference for drilling other leases of record held by, or under assignment to, Samedan Oil Corporation.

Sincerely,

SAMEDAN OIL CORPORATION



Gary L. Brune
Division Production Superintendent

GLB:mf

✓cc: Mr. Brian Wood
C/O Ramada Inn
666 South Broadway
Cortez, CO 81321

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

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

STATE OFFICE: Utah
SERIAL No.: U-39243

and hereby designates

NAME: Samedan Oil Corporation
ADDRESS: 1616 Glenarm Place, Suite 2550, Denver, Colorado 80202

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 authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 37 South, Range 24 East, SLM
Section 5: All
Section 6: All
San Juan County, Utah

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 authorized officer of any change in the designated operator.

Marathon Oil Company

By: T. R. Lindsey

(Signature of lessee)

T. R. Lindsey, Attorney-in-Fact

November 20, 1987

(Date)

P. O. Box 120, Casper, Wyoming 82602

(Address)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | |
|---|--|---|--|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | | 5. LEASE DESIGNATION AND SERIAL NO. U-39243 | |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> | | | 6. IF INDIAN, ALLOTTED OR TRIBE NAME N/A | |
| 2. NAME OF OPERATOR Samedan Oil Corporation (303) 534-0677 | | | 7. UNIT AGREEMENT NAME N/A | |
| 3. ADDRESS OF OPERATOR 1616 Glenarm Pl., Suite 2550, Denver Co. 80202 | | | 8. FARM OR LEASE NAME Marathon Federal | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 460' FNL & 2500' FEL (NWNE) At proposed prod. zone Same | | | 9. WELL NO. 1-5 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 air miles ESE of Blanding, Utah | | | 10. FIELD AND POOL, OR WILDCAT <input checked="" type="checkbox"/> Wildcat | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 460' | | 16. NO. OF ACRES IN LEASE 2,475 | 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. N/A | | 19. PROPOSED DEPTH 6,050' | 20. ROTARY OR CABLE TOOLS Rotary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,607' ungraded ground | | | 22. APPROX. DATE WORK WILL START* Jan. 15, 1988 | |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-------------------|---------------|----------------------|
| 16" | 13-3/8" | 48* (H-40 ST&C) | 120' | 100 sx or to surface |
| 11" | 8-5/8" | 24* (K-55 ST&C) | 1,800' | 450 sx or to surface |
| 7-7/8" | 5-1/2" | 15.5* (K-55 ST&C) | 6,050' | 525 sx or to 2,500' |

1. Lease is all of Sections 5-8, T. 37 S., R. 24 E.
2. 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.
 - a) Orthodox well could be drilled at 460' FNL & 1980' FEL, but the well would be a dry hole. Geologically preferred location is 460' FNL & 2530' FWL, but it would block Bradford Canyon. Thus, Samedan needs an exception.
 - b) Request permission to drill at 460' FNL & 2500' FEL 5-37s-24e SLBM, San Juan County, Utah.
 - c) 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-39243.
 - d) Samedan is the lessee of all lands within a 460' radius.
 - e) Samedan is the lessee of all drilling units within a 460' 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 12-21-87

(This space for Federal or State office use)

PERMIT NO. 43-037-31388

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

APPROVAL DATE 1-28-88

DATE TITLE 1-28-88

BY *John R. Bryan*

WELL SPACING: RWS-3-3

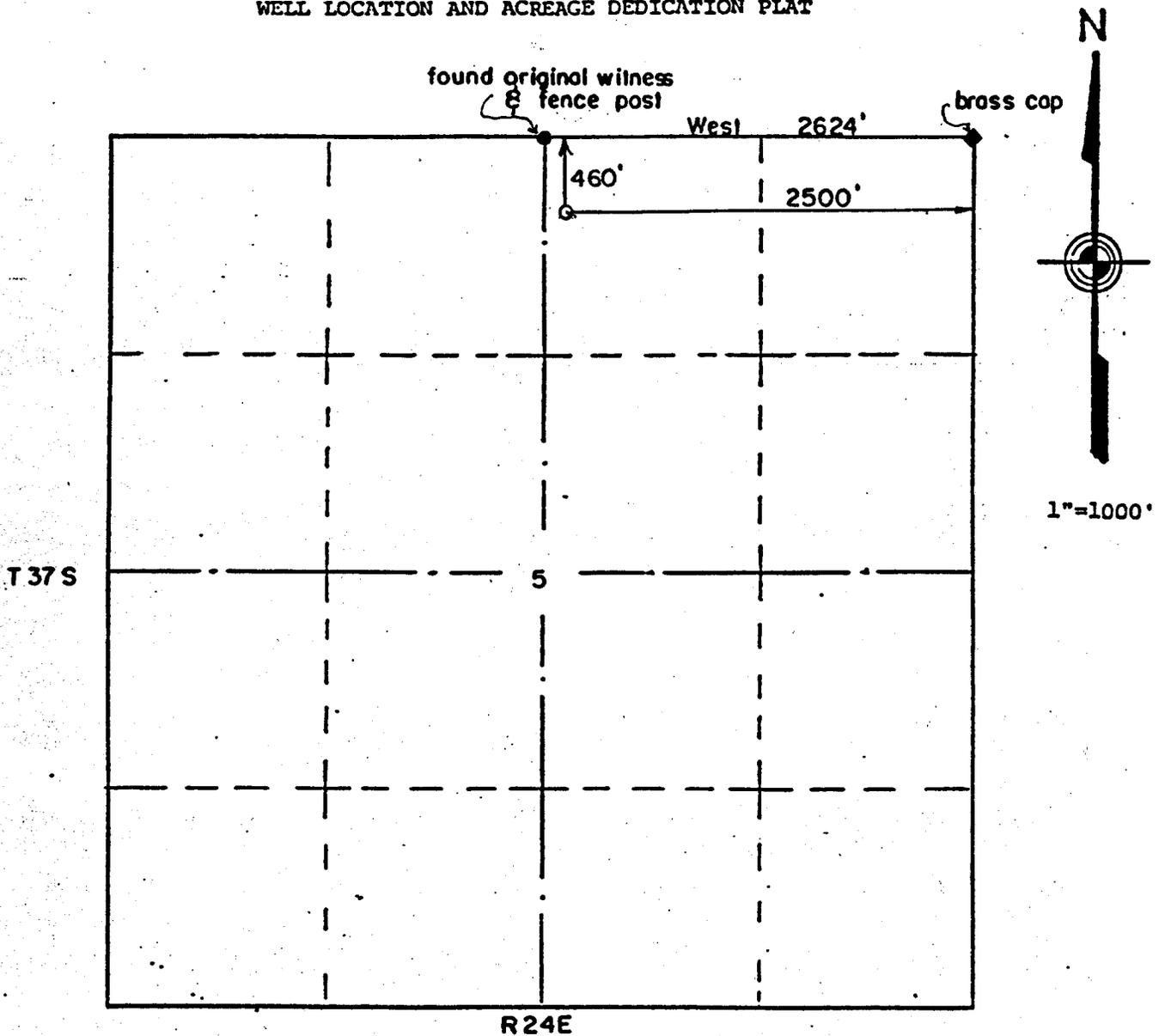
*See Instructions On Reverse Side

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WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

Samedan Oil Corporation
 460' FNL & 2500' FEL, 5607' grd. elevation
 Section 5, T.37 S., R.24 E., SLM
 San Juan County, Utah
 Alternate: 460' FNL & 2550' FEL, 5614' grd.

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The above plat is true and correct to my knowledge and belief.

19 December 1987

REGISTERED LAND SURVEYOR
 No. 5705
 GERALD G. HUDDLESTON
 Gerald G. Huddleston, LS
 STATE OF UTAH

Samedan Oil Corporation
 Marathon Federal 1-5
 460' FNL & 2500' FEL
 Sec. 5, T. 37 S., R. 24 E.
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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. Samedan Oil Corporation will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

I. ESTIMATED FORMATION TOPS

| <u>Formation Name</u> | <u>Depth from GL*</u> | <u>Depth from KB</u> | <u>Subsea Depth</u> |
|-----------------------|-----------------------|----------------------|---------------------|
| Morrison | 000' | 12' | +5,607' |
| Entrada Ss | 757' | 769' | +4,850' |
| Navajo Ss | 857' | 869' | +4,750' |
| Kayenta | 1,207' | 1,219' | +4,400' |
| Wingate | 1,407' | 1,419' | +4,200' |
| Chinle | 1,707' | 1,719' | +3,900' |
| Shinarump | 2,327' | 2,339' | +3,280' |
| Moenkopi | 2,457' | 2,469' | +3,150' |
| Cutler | 2,607' | 2,619' | +3,000' |
| Hermosa | 4,507' | 4,519' | +1,100' |
| Upper Ismay | 5,607' | 5,619' | + 0' |
| Lower Ismay | 5,767' | 5,779' | - 160' |
| Desert Creek | 5,847' | 5,859' | - 240' |
| Akah Shale | 5,947' | 5,959' | - 340' |
| Total Depth (TD) | 6,050' | 6,062' | - 443' |

* This is ungraded Ground Level.

Once the pad is built, there will be 6' of fill resulting in a finished elevation of 5,613'.

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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: 757'

Navajo: 857'

Possible Uranium Zones

Morrison: 000'

Chinle: 1,707'

Possible Oil & Gas Zones

Upper Ismay: 5,607'

Desert Creek: 5,847'

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. An 11" 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used from the bottom of the surface casing (1,800') to T.D. (6,050'). A typical 3,000 psi BOP is on Page 3. Actual model will not be known until bid is let.

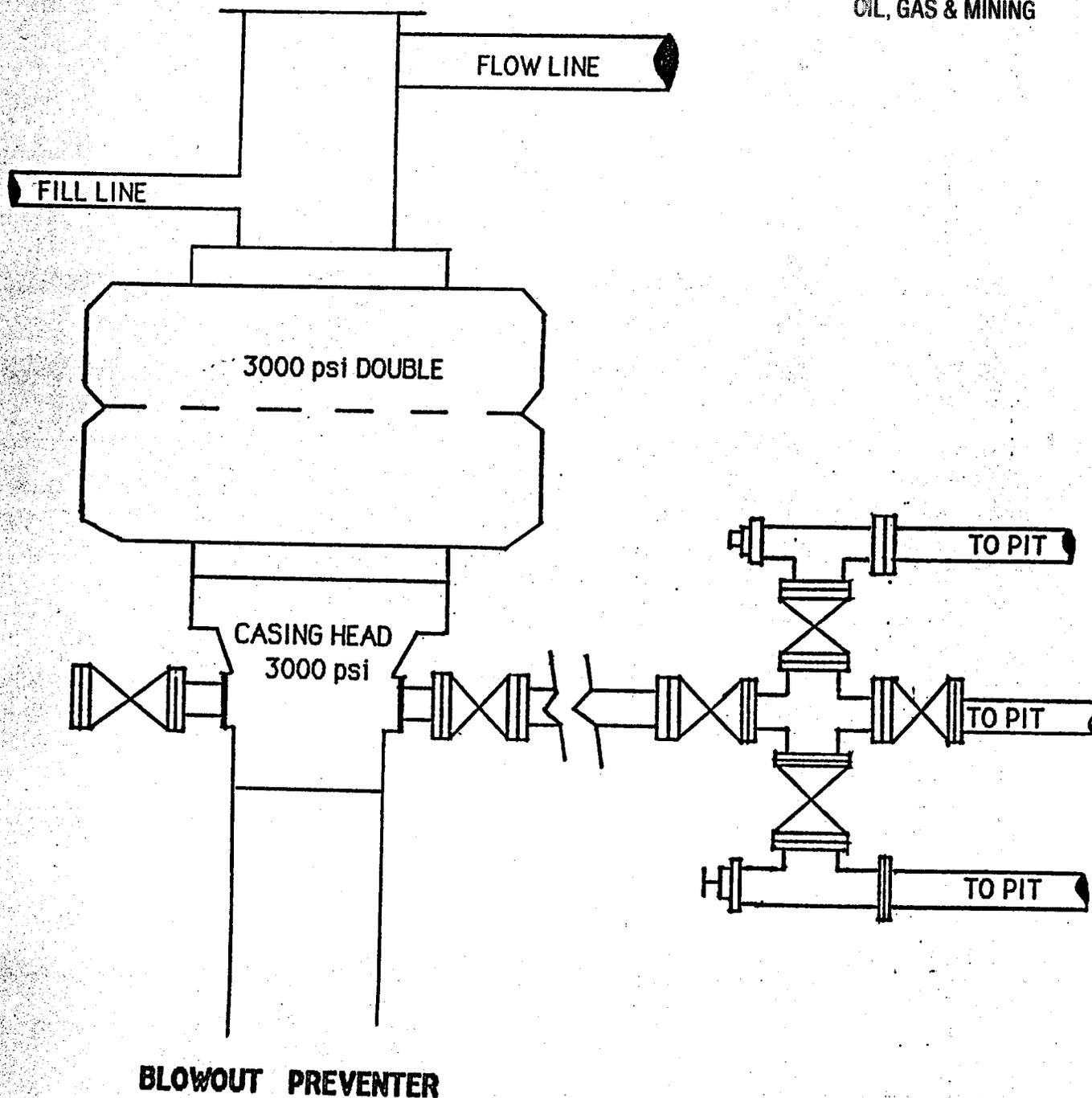
BOPs will be nipped up when intermediate casing is set. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. 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> |
|------------------|-------------|---------------|--------------|-------------|------------|---------------------------|
| 16" | 13-3/8" | 48* | H-40 | ST&C | New | 0'-120' |
| 11" | 8-5/8" | 24* | K-55 | ST&C | New | 0'-1,800' |
| 7-7/8" | 5-1/2" | 15.5* | K-55 | ST&C | New | 0'-6,050' |

Conductor Pipe (0-120'): Cement to surface with ≈100 sx standard cement.

Surface Casing (0'-1,800'): Cement to surface with ≈450 sx "Neat" (tail) and "Light" (lead).

Production Casing (0'-6,050'): Cement from T.D. (6,050') to 2,500' in one stage with ≈525 sx. "Neat" will be used across producing zones and casing shoe. "Light" will be used for the remainder of the string.

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'-1,800' | Fresh Water w/ Floc | 8.3-8.7 | 26-29 | NC |
| 1,800'-5,000' | Fresh Water w/ Floc | 8.3-8.4 | 26-29 | NC |
| 5,000'-5,300' | Mud up as directed | | | |
| 5,300'-6,050' | Fresh Water Polymer | 8.8-9.2 | 34-40 | <15 cc |

6. CORING, TESTING, & LOGGING

No cores are planned. Cuttings will be collected every 30' from the surface

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to 4,300'. A two man mud logging unit will be on location from 4,300 to T.D. (6,050') and cuttings will then be collected every 10'. Drill stem tests may be run in the Upper Ismay and Desert Creek if good shows are found. The following logs may be run:

T.D. (6,050') to Surface (000'): DLL/GR
T.D. (6,050') to 5,000': MSFL
T.D. (6,050') to 4,000': FDC/CNL/GR
T.D. (6,050') to 1,800': BHC Sonic/GR

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

SINCE THE LEASE EXPIRES FEBRUARY 1, 1988, the anticipated spud date is January 15, 1987. It is expected it will take 20 days to drill the well and 10 days to complete the well.

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If time permits Samedan Oil 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.

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

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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 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: Samedan Oil Corporation, Marathon Federal 1-5, NWNE 5-37s-24e, U-39243.

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13 Point Surface Use Plan

1. EXISTING ROADS (See PAGES 16-18)

From the junction of US 666 and US 191 in Monticello, Utah, go south 11.6 mi. on US 191.

Then turn left and go southeast 2.9 mi. on gravel County Road #204 (Alkali Road).

Then turn left and go southeast 6.1 mi., still on gravel County Road #204. Then turn left at the windmill and go southeast 4 mi. to a junction. [The first 3 miles are dirt County Road #202 (Bradford Canyon Road). Upon crossing a gate, the next 0.2 mi. will be a state right-of-way. The final 0.8 mi. will be a BLM right-of-way. Both of the latter rights-of-way will be issued to Samedan.]

Existing roads are federal, county, state, and BLM. Roads will be maintained to a standard at least equal to their present condition. The only improvements needed will be a cattleguard at the end of County Road #202 and grading out ruts. No grade or alignment changes are needed since the road previously served as access to a dry hole in SE 32-36s-24e, seismograph activity, uranium exploration, and a chaining.

An application for an Encroachment Permit has been submitted to the San Juan County Road Department.

2. ROADS TO BE UPGRADED (See PAGE 18)

One mile of seismic trail 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 2'. Maximum grade will be 5%. If the well is dry, then the trail will be reclaimed.

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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 field inspection.

3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile.

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.

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

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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 16)

Water will be trucked ≈16 miles from Recapture Reservoir on BLM administered land in SWSW Sec. 7, T. 36 S., R. 23 E.. An Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights. The water hauler will contract with the San Juan Water Conservancy District. This is casual use.

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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 trash will be placed in a portable trash cage. When full, it will be hauled to an approved landfill in Montezuma County, Colorado, or the Blanding dump. 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

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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 19-21 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 trash cage.

Samedan's 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>) | 8 |
| Four-wing saltbush (<i>Atriplex canescens</i>) | 2 |
| Desert bitterbrush (<i>Purshia glandulosa</i>) | 2 |
| Yellow sweet clover (<i>Melilotus officinalis</i>) | 1 |

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After seeding is complete, stockpiled trees and brush 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 upgraded seismic trail 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.

This permit will be valid for one year from the date of approval. After it

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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 representative for Samedan Oil Corporation will be:

Gary Brune, Division Production Superintendent
Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Co. 80202-4371
(303) 534-0677

Home: (303) 779-5194

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah

PAGE 15

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DEC 23 1987

DIVISION OF
OIL, GAS & MINING

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 Samedan Oil 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

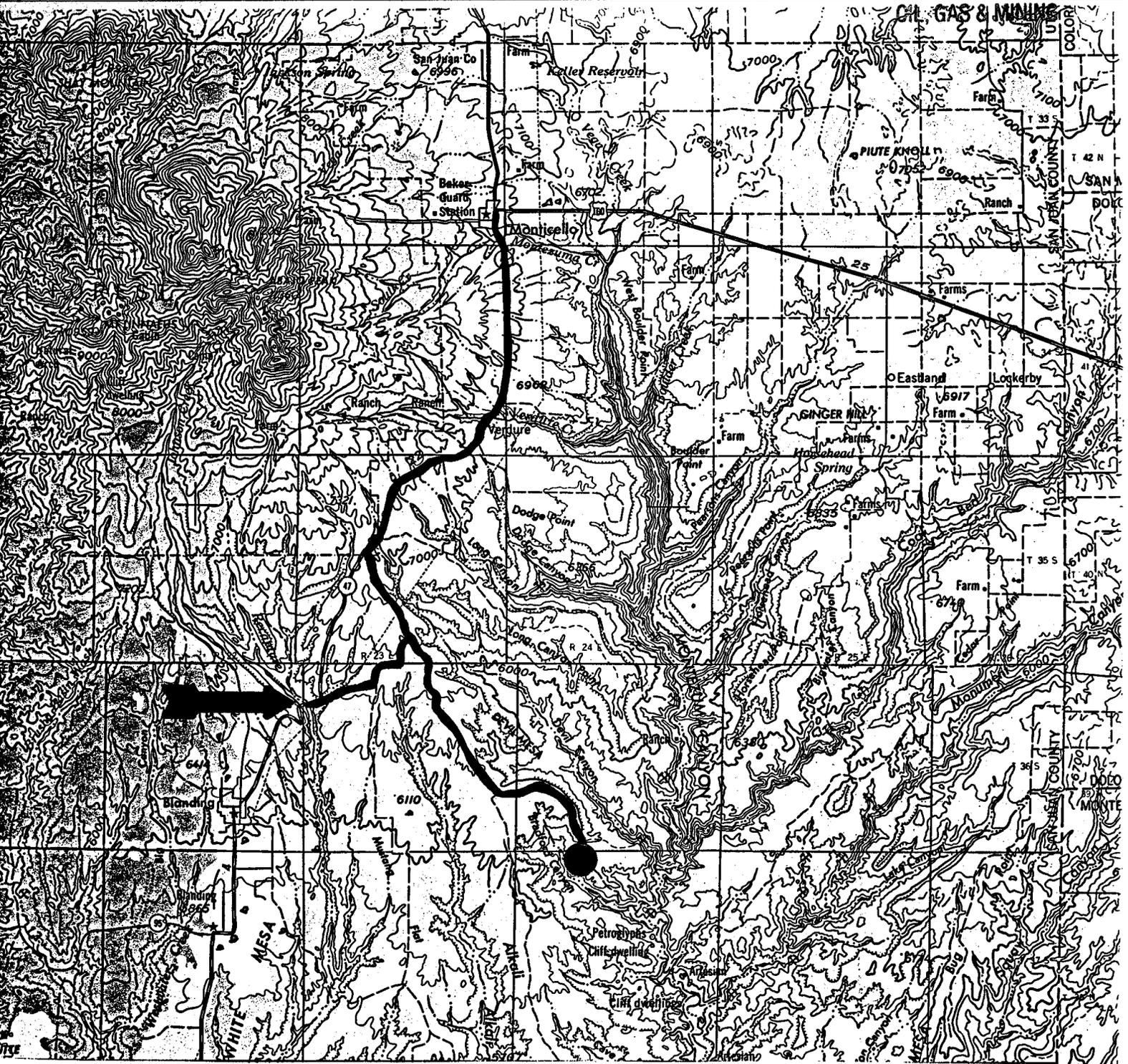
12-21-87
Date

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah

PAGE 16
RECEIVED
DEC 23 1987

DIVISION OF

OIL, GAS & MINES



Proposed Well: ●

Water Source: ➔

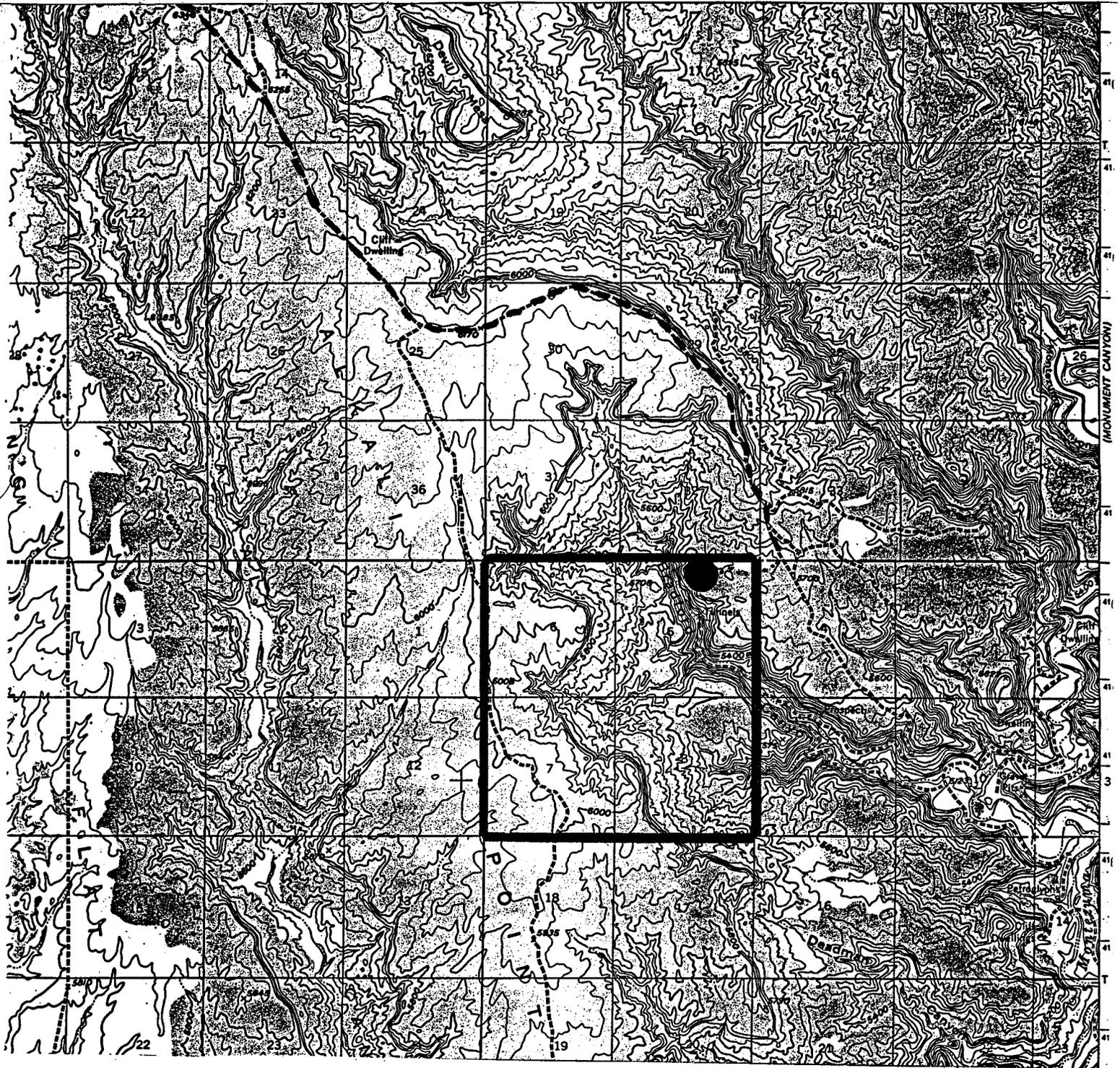
Access: ~

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah

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OIL, GAS & MINING



Proposed Well: ●

Existing Road: - - -

Seismic Trail: ...

Lease U-39243: 

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

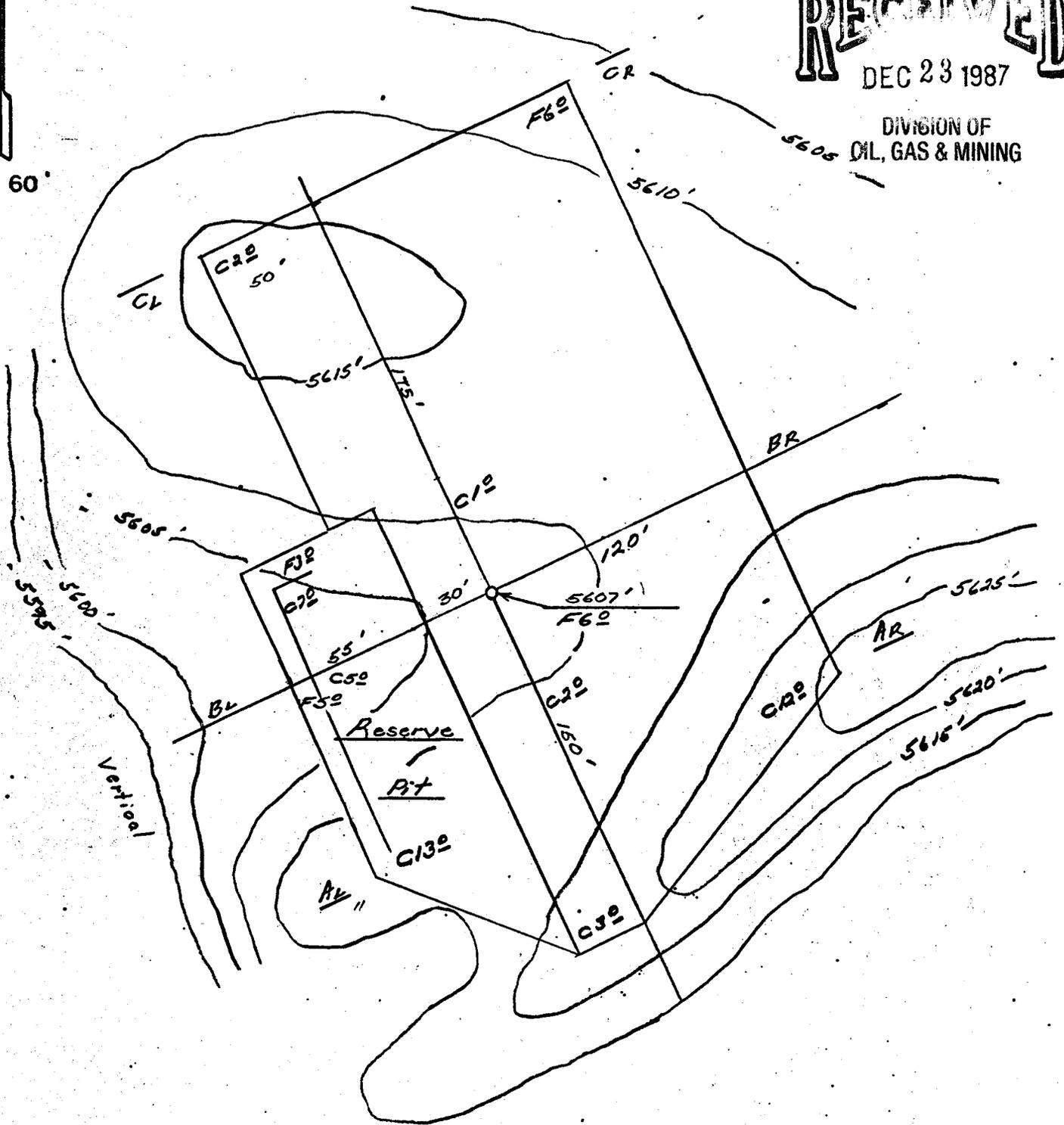
WELL PAD PLAN VIEW

PAGE 19

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DEC 23 1987

DIVISION OF
OIL, GAS & MINING

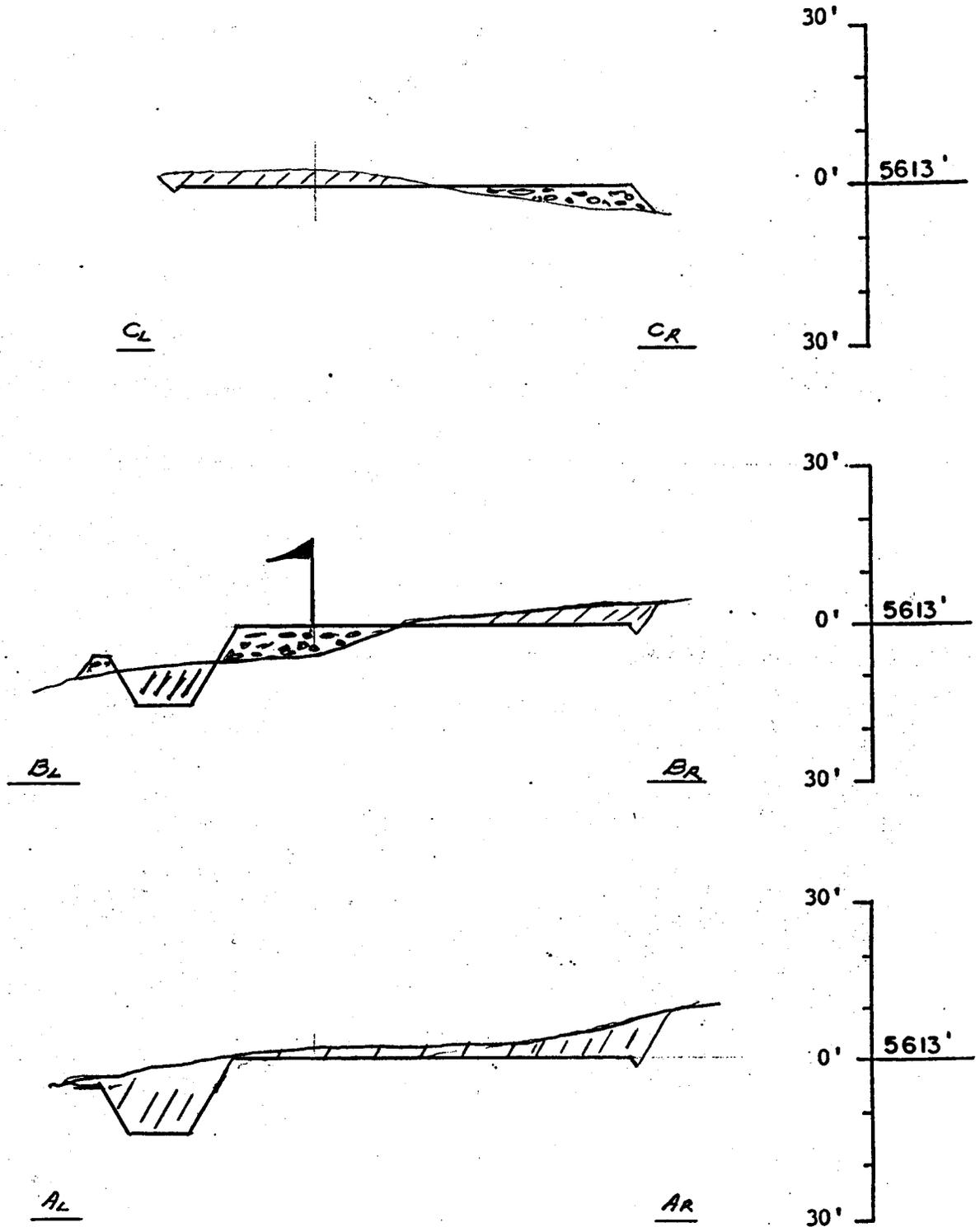
↑
1" = 60'



WELL PAD CROSS-SECTION

Cut 
Fill 

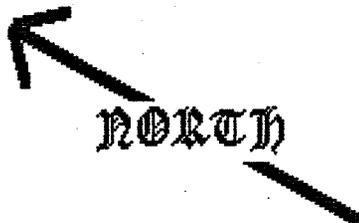
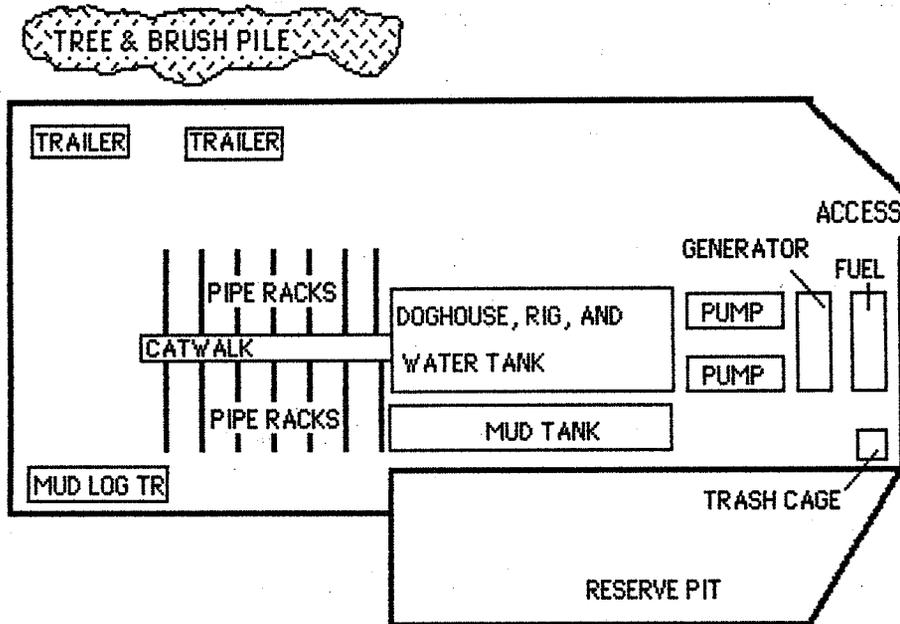
Scales: 1" = 60' H.
1" = 30' V.



RECEIVED
DEC 23 1987

DIVISION OF
OIL, GAS & MINING

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah



RECEIVED
DEC 29 1987

DIVISION OF
OIL, GAS & MINING

TEMPORARY

FILING FOR WATER IN THE STATE OF UTAH

REC'D
DEC 17 1987

Rec. by gjs
Fee Rec. 30.00
Receipt # 23435
Microfilmed _____
Roll # _____

APPLICATION TO APPROPRIATE WATER

RECEIVED
DEC 14 1987

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 - 1551

* APPLICATION NO. A T62999 WATER RIGHTS PRICE

1. *PRIORITY OF RIGHT: December 14, 1987 * FILING DATE: December 14, 1987

2. OWNER INFORMATION

Name(s): Samedan Oil Corporation c/o Permits West, Inc. * Interest: _____ %
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 Three ac-ft

4. SOURCE: Recapture Creek (Reservoir) * DRAINAGE: _____
which is tributary to San Juan River
which is tributary to Colorado River
POINT(S) OF DIVERSION: _____ COUNTY: San Juan
North 1100 feet and East 200 feet from the SW corner of Sec. 7, T. 36 S., R. 23 E., SLBM

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.
* COMMON DESCRIPTION: 3 miles Northeast 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 _____ cfs or 3.0 AF 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 other entities' 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 Jan. 10, 1988 to Jan. 9, 1989

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.

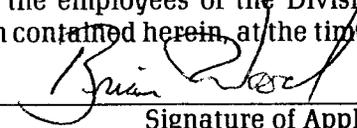
11. PLACE OF USE

Legal description of place of use by 40 acre tract(s):
South 460' and West 2550' from the NE corner of Sec. 31, T. 37 S., R. 24 E., SLBM at the Marathon 1-5
oil well (NWNE 31-37s-24e).

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 #2: Land is public (federal) and administered by Bureau of Land Management, Monticello, Utah. Recapture Reservoir is administered by the San Juan Water Conservancy District. Norman Nielson has approved this use.

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 ENGINEER'S ENDORSEMENT

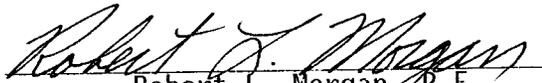
WATER RIGHT NUMBER: 09 - 1551

APPLICATION NO. T62999

1. December 14, 1987 Application received by MP.
 2. December 15, 1987 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated December 31, 1987, subject to prior rights and this application will expire on December 31, 1988.


Robert L. Morgan, P.E.
State Engineer

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 Acquisition
// Land Sale // Land Exchange // Other
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Samedan Oil Corporation proposes to drill a wildcat well, the Marathon Federal #1-5, on federal lease number U-39243 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)
NW/4, NE/4, Section 5, Township 37 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
John R. Baza
DATE: 12-23-87 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
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE
 2. NAME OF OPERATOR **Samedan Oil Corporation** (303) 534-0677
 3. ADDRESS OF OPERATOR **1616 Glenarm Pl., Suite 2550, Denver Co. 80202**
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **460' FNL & 2500' FEL (NWNE)**
 At proposed prod. zone **Same**
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 air miles ESE of Blanding, Utah
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) **460'**
 16. NO. OF ACRES IN LEASE **2,475**
 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. **N/A**
 19. PROPOSED DEPTH **6,050'**
 20. ROTARY OR CABLE TOOLS **Rotary**
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5,607' ungraded ground**
 22. APPROX. DATE WORK WILL START* **Jan. 15, 1988**

5. LEASE DESIGNATION AND SERIAL NO.
U-39243
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
 7. UNIT AGREEMENT NAME
N/A
 8. FARM OR LEASE NAME
Marathon Federal
 9. WELL NO.
1-5
 10. FIELD AND POOL, OR WILDCAT
Wildcat
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-37s-24e SLBM
 12. COUNTY OR PARISH
San Juan
 13. STATE
Ut.

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-------------------|---------------|----------------------|
| 16" | 13-3/8" | 48# (H-40 ST&C) | 120' | 100 SX or to surface |
| 11" | 8-5/8" | 24# (K-55 ST&C) | 1,800' | 450 SX or to surface |
| 7-7/8" | 5-1/2" | 15.5# (K-55 ST&C) | 6,050' | 525 SX or to 2,500' |

1. Lease is all of Sections 5-8, T. 37 S., R. 24 E.
2. 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.
 - a) Orthodox well could be drilled at 460' FNL & 1980' FEL, but the well would be a dry hole. Geologically preferred location is 460' FNL & 2530' FWL, but it would block Bradford Canyon. Thus, Samedan needs an exception.
 - b) Request permission to drill at 460' FNL & 2500' FEL 5-37s-24e SLBM, San Juan County, Utah.
 - c) 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-39243.
 - d) Samedan is the lessee of all lands within a 460' radius.
 - e) Samedan is the lessee of all drilling units within a 460' 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.

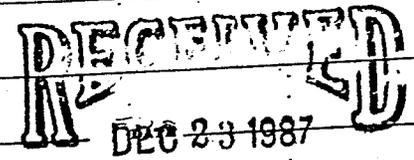
24. SIGNED *Brian Wood* TITLE Consultant DATE 12-21-87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

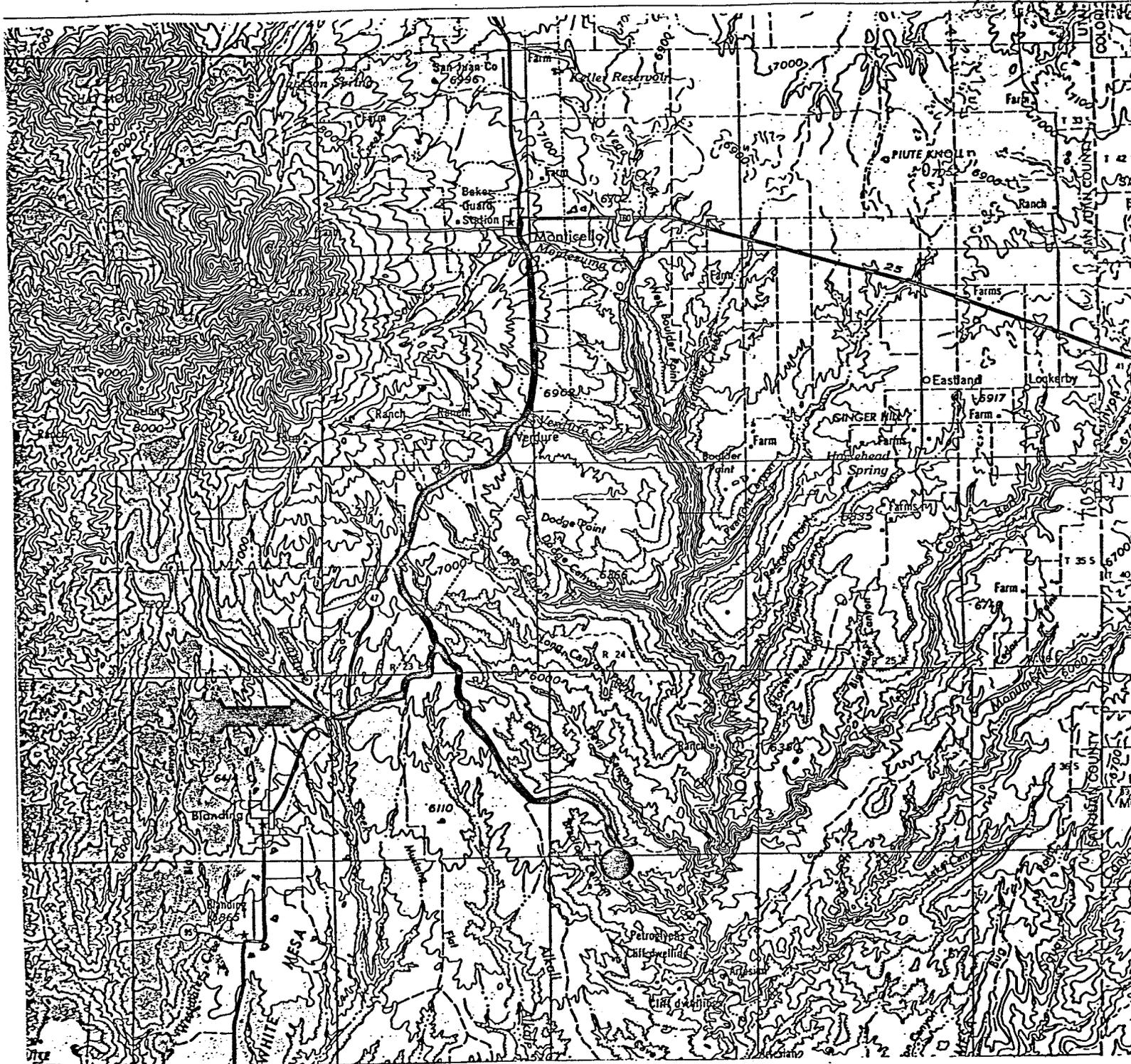


DIVISION OF
OIL, GAS & MINING

*See Instructions On Reverse Side

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah

DIVISION OF



Proposed Well: 

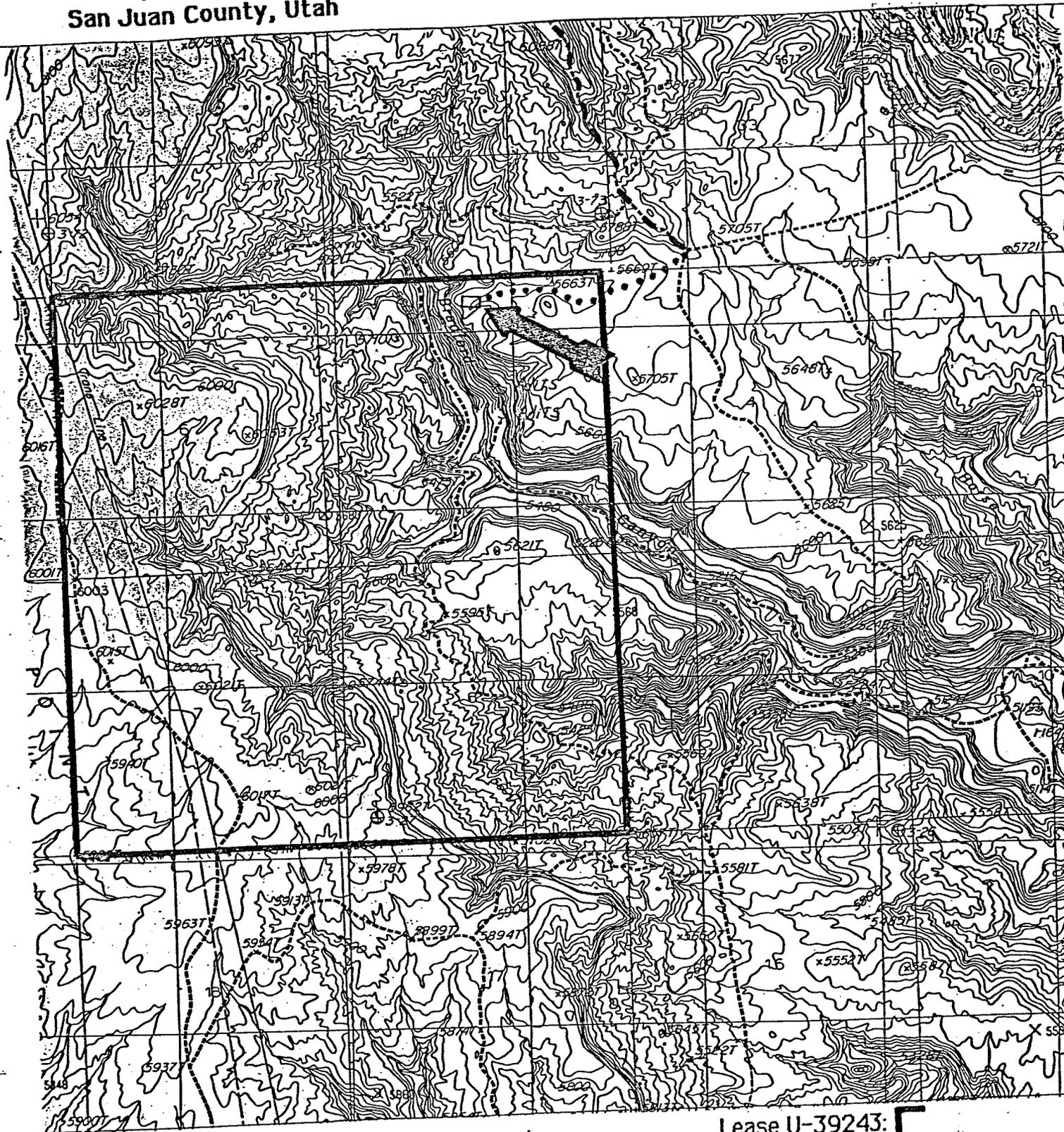
Water Source: 

Access: 

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

Samedan Oil Corporation
Marathon Federal 1-5
460' FNL & 2500' FEL
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah

RECORDED
DEC 23 1987



Proposed Well:

Existing Road:

Seismic Trail:

Lease U-39243:

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

020410

OPERATOR Samuel Oil Corp. DATE 12 30-87

WELL NAME Marathon Fed. 1-5

SEC NWNE 5 T 37S R 24E COUNTY San Juan

43-037-31388
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. 5
& need water permit - Rec'd 09-1551 - (T 2999)
Evl. loc. requested

CONFIDENTIAL
PERIOD
EXPIRED
ON 8-1-89

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

_____ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

Water



STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
William H. Geer, Division Director

1596 West North Temple • Salt Lake City, UT 84116-3154 • 801-533-9333

RECEIVED
JAN 20 1988

January 13, 1988

DIVISION OF
OIL, GAS & MINING

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

Subject: Samedan Oil wildcat well, San Juan County (UT871228-020).

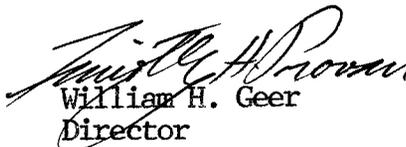
Dear John:

Samedan's proposed development lies within critical mule deer winter range. The well pad and road will remove approximately 6 acres of critical winter range.

We recommend:

1. Construction and development be restricted from December 1 to April 15. This will minimize disturbance to wintering mule deer.
2. Rangeland treatment in the vicinity to increase forage production for mule deer in order to offset forage lost to development of the road and pad.
3. The road and pad be reclaimed when operations cease.

Sincerely,


William H. Geer
Director

Acting Director



State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

Norman H. Bangertor
Governor

Max J. Evans
Director

300 Rio Grande
Salt Lake City, Utah 84101-1182

RECEIVED
JAN 21 1988

DIVISION OF
OIL, GAS & MINING

19 January 1988

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

RE: Marathon Federal 1-5 Wildcat Well

In Reply Please Refer to Case No. K720

Dear Mr. Baza:

The staff of the Utah State Historic Preservation Office reviewed the State Actions form and attachments concerning this wildcat well. We recognize that the Bureau of Land Management is the primary administrative agency for this project. Our records indicate that we know of at least two cultural resource surveys, conducted for seismic lines, in the same section as this proposed well. One roughly bisects the section from north to south; the second clips the southeast corner of the section. Both surveys located numerous archeological sites. The potential for locating additional cultural resources in this area is high, and should be considered prior to any land disturbing activities. DOGM can use this information in their planning for this proposed action.

The above is provided on request as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact Charles Shepherd at (801) 533-7039, or 533-6017.

Sincerely,

A. Kent Powell
Deputy State Historic
Preservation Officer

CMS:jrc:K720/5053V OR

cc with attachments:

Dale Davidson, San Juan Resource Area, Bureau of Land Management, 435
North Main, P. O. Box 7, Monticello, Utah 84535

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE

ANTIQUITIES SITE INVENTORY

1 AGENCY NO. 338Q/97 2 STATE NO. 4|2|S|a|8|7|6|7| D-4
86.6
3 PROJECT NAME AGC-79-14 BLM REPORT ID# 11 14
5 PREHISTORIC X 8 RECORDED BY W. W. Carpenter
6 HISTORIC 9 INSTITUTION AERC
7 PALEONTOLOGICAL 10 DATE 12/19/79

11 BLM DISTRICT NO. 6 12 BLM RESOURCE AREA S|J
Salt Lake = 2 Cedar City = 4 Vernal = 8
Richfield = 5 Moab = 6
13 COUNTY San Juan
80 = Bonneville, WA = Wasatch, HR = House Range, KS = Kaiparowits
SE = Sevier River, HM = Henry Mtns., BR = Beaver River, CA = Capitol Reef
KA = Kanab, ES = Escalante, SJ = San Juan, GR = Grand, PR = Panguitch
SR = San Rafael, DM = Diamond Mountain, BC = Book Cliffs
14 UTM GRID: ZONE 1 Easting 26 31 Northing 32 38
(10 acre) (40 acre) (160 acre)
15 LEGAL DESCRIPTION: T. 36 S. R. 24 E. Sec. 3 Qu-Sec. S|E Qu-Sec. S|W Qu Sec. S|E
Fill in spaces 43 or 46 only 1f: 39 42 43 46 47 48 49 5C 51 52
42 Y = Vernal Meridian 45 H = Half Township
H = Half Township 45 H = Half Range
16 MAP NAME AND SCALE: Blanding, Utah 15 Minute

17 SURFACE OWNER: L|M LM = BLM ST = State PR = Private OTHER: _____
FS = USFS PS = NPS OT = Other
18 NATIONAL REGISTER POTENTIAL: S S=Significant, N=Nonsignificant Why: CRRS:S-3
The site has depth potential.

19 MANAGEMENT VALUES: Interpretational Potential X Scientific
20 SITE CONDITION Poor % DESTROYED ?

21 AGENT CAUSING IMPACT E|R, , 22 PHOTO TAKEN: Color # _____
ER = Erosion VA = Vandalization PR = Project OT = Other
NO = No Impact
Y = Yes B/W # 338Q-4 (20)
N = No
23 RECOMMENDED PROTECTION Avoidance

24 SITE TYPE - CULTURAL L|A, , RA=Rock Art, LA=Limited Activity, ST=Structural
RS=Rock Shelter, OT=Other

25 PALEONTOLOGICAL: Invertebrate Vertebrate Flora

26 CULTURAL FEATURES L|S, , , , ,
LS = Lithic Scatter SH = Shelter PI = Pictograph
CS = Ceramic Scatter RA = Rock Alignment PE = Petroglyph
GS = Ground Stone Scatter RM = Rubble Mound BU = Burial
HE = Hearth SC = Slab-lined cists HS = Historical Structure
QU = Quarry MG = Masonry Granary MI = Mines
BS = Burned Stone MR = Masonry Rooms/Wall CO = Corral
MO = Midden TD = Tower TR = Trail
DE = Depression WC = Water Control GL = Glass
OT = Other M7 = More than 7 of the above.

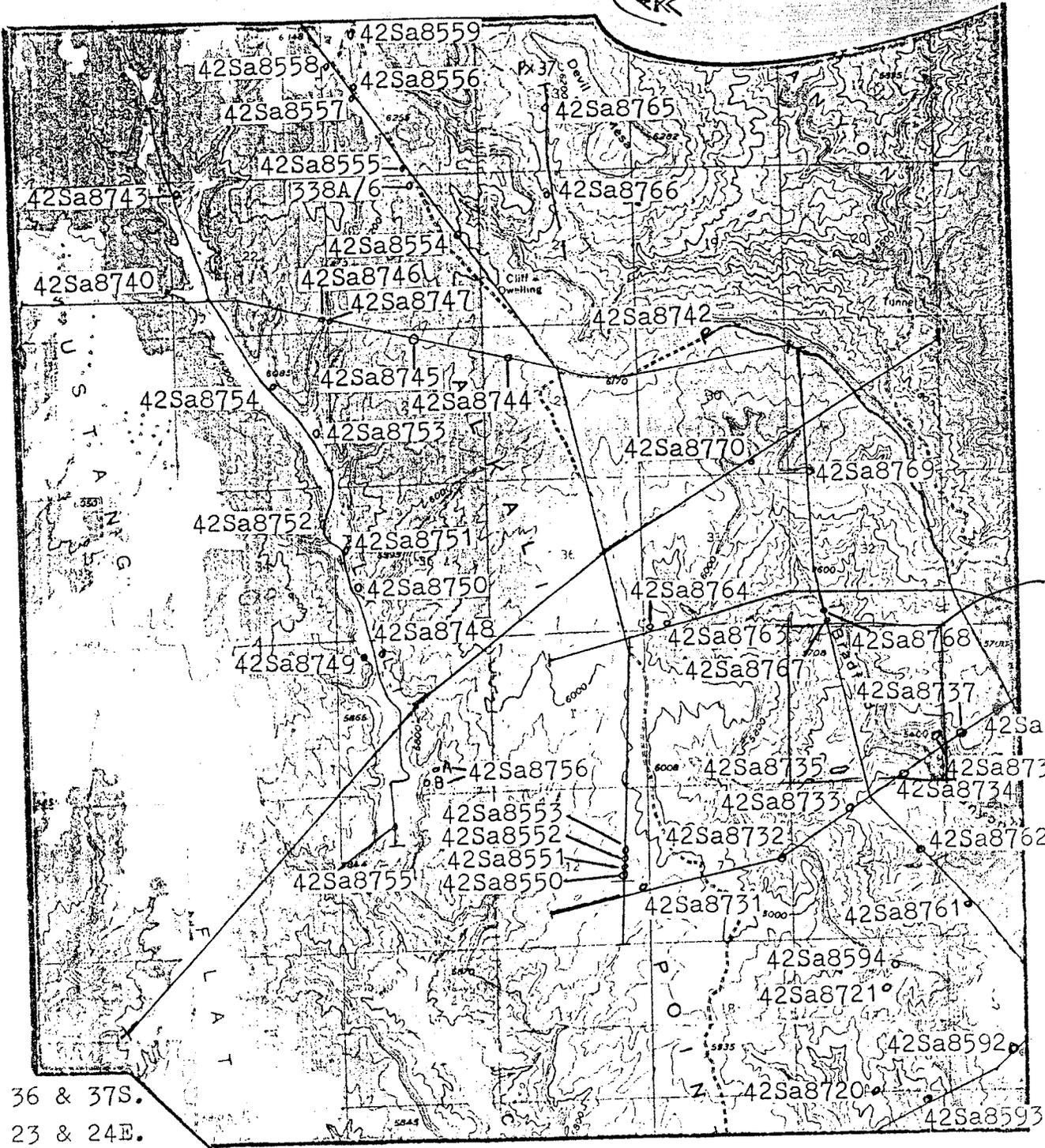
Description: The site contains a small scatter about 40 meters from the road on a small open point.

27 SITE DIMENSIONS: L. 10 Ft. w 10 Ft. Depth

28 DEPTH OF FILL U Y=Yes N=No U=Undetermined UT 8100-1 (4/79)



ARCHEOLOGICAL-ENVIRONMENTAL
RESEARCH CORPORATION



T. 36 & 37S.
R. 23 & 24E.

Meridian: Salt Lake B. & M.

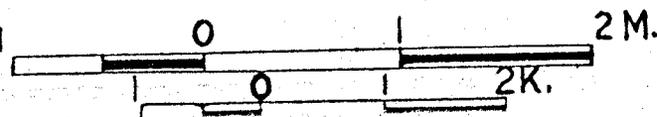
Quad:
Blanding, Utah
15 Minute
USGS

Project: AGC-79-1
Series: San Juan
Date: January,
1980

Map 5
SITE AND SEISMIC LINE
LOCATIONS ON MUSTANG FLAT,
ALKALI POINT AND EASTWARD
OF SAN JUAN COUNTY, UTAH

Legend:
Archeological Site ○

Seismic Line ↗



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE

ANTIQUITIES SITE INVENTORY

1 AGENCY NO. 3380/98 2 STATE NO. 42 Sa 8768
3 PROJECT NAME AGC-79-14 B REPORT ID# 11 14 8682
5 PREHISTORIC x 8 RECORDED BY W. W. Carpenter
6 HISTORIC 9 INSTITUTION AERC
7 PALEONTOLOGICAL 10 DATE 12/19/79

11 BLM DISTRICT NO. 6 12 BLM RESOURCE AREA S|J
Salt Lake = 2 Cedar City = 4 Vernal = 8
Richfield = 5 Moab = 6
13 COUNTY San Juan
14 UTM GRID: ZONE 24 25 Easting 26 31 Northing 32 38
15 LEGAL DESCRIPTION: T 36 S R 24 E Sec. 3 2 Qu-Sec. S E (10 acre) (40 acre) (160 acre)
Qu-Sec. S W Qu Sec. S W
Fill in spaces 43 or 46 only if: 39 42 43 44 47 48 49 50 51 52 53
42 V = Vernal Meridian 45 H = Half Range
H = Half Township
16 MAP NAME AND SCALE: Blanding, Utah 15 Minute

17 SURFACE OWNER: S|T LM = BLM ST = State PR = Private OTHER:
FS = USFS PS = NPS OT = Other
55 56
18 NATIONAL REGISTER POTENTIAL: S S=Significant, N=Nonsignificant Why: CRRS:S-3
57
The site has possible depth.

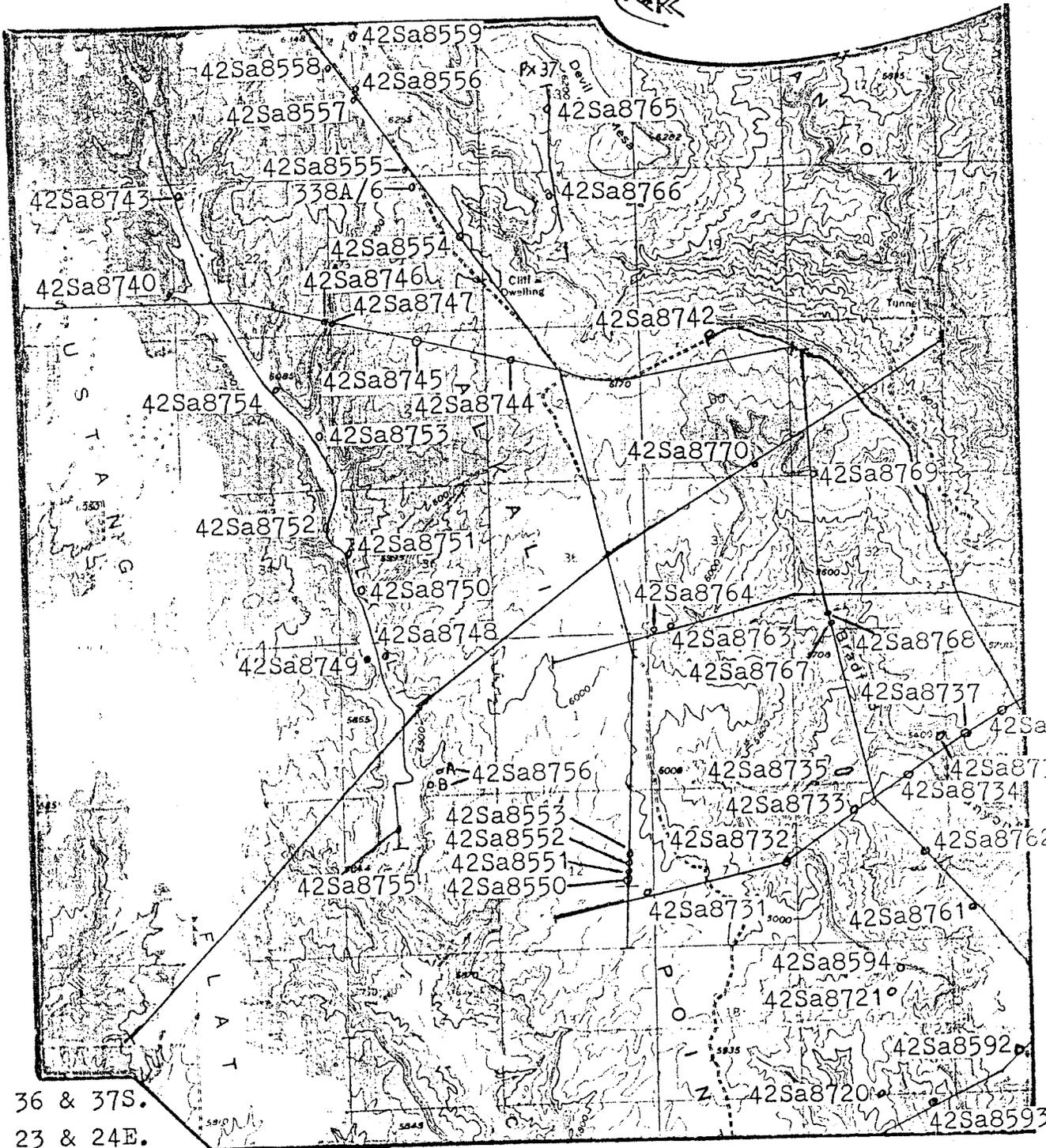
19 MANAGEMENT VALUES: Interpretational Potential x Scientific
20 SITE CONDITION Poor % DESTROYED ?
58 59 60

21 AGENT CAUSING IMPACT E|R, , 22 PHOTO TAKEN: Color #
ER = Erosion VA = Vandalization PR = Project OT = Other NO = No Impact
51 62 63 64 65 66 Y = Yes B/W # 3380-4 (21)
67 N = No
23 RECOMMENDED PROTECTION Avoidance

24 SITE TYPE - CULTURAL S|T, , RA=Rock Art, LA=Limited Activity, ST=Structure
68 69 70 71 72 73 RS=Rock Shelter, OT=Other

25 PALEONTOLOGICAL: Invertebrate Vertebrate Flora
26 CULTURAL FEATURES R|A, O|T, , , , ,
74 75 76 77 78 79 80 81 82 83 84 85 86 87
LS = Lithic Scatter SH = Shelter PI = Pictograph
CS = Ceramic Scatter RA = Rock Alignment PE = Petroglyph
GS = Ground Stone Scatter RM = Rubble Mound BU = Burial
HE = Hearth SC = Slab-lined cists HS = Historical
QU = Quarry MG = Masonry Granary MN = Mines
BS = Burned Stone MR = Masonry Rooms/Wall CD = Corral
MO = Midden TD = Tower TR = Trail
DE = Depression WC = Water Control GL = Glass
OT = Other M7 = More than 7 of the above.
OT = Other Cist
Description: The site contains 1/2 of a cist remaining on the edge of Bradford Creek. West side.

27 SITE DIMENSIONS: L. 1 Ft. w 1 Ft. Depth
28 DEPTH OF FILL U Y=Yes N=No U=Undetermined
UT 8100-1 (4/79)



T. 36 & 37S.
R. 23 & 24E.

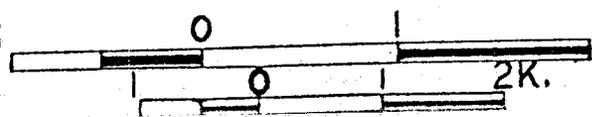
Meridian: Salt Lake B. & M.

Quad:
Blanding, Utah
15 Minute
USGS

Project: AGC-79-1
Series: San Juan
Date: January,
1980

Map 5
SITE AND SEISMIC LINE
LOCATIONS ON MUSTANG FLAT,
ALKALI POINT AND EASTWARD
OF SAN JUAN COUNTY, UTAH

Legend:
Archeological Site ○



Seismic Line



| | | | | |
|---------------------|-----|----------------------------------|------------|---|
| 522 | () | UofU 9/80 | Jb | |
| 523* | (-) | SUSC 9/80 | Md, Jb | Drum Mountains Geothermal Prospect T14S R12W Sec. 34 T14S R13W Sec. 35 T15S R11W Sec. 6, 30 T15S R12W Sec. 7, 27, 29 T16S R11W Sec. 23 T16S R12W Sec. 9, 12, 25 T17S R11W Sec. 12 |
| | (-) | | Jb | Abraham Hot Springs Geothermal T11S R8W Sec. 14, 20 T11S R9W Sec. 25 T12S R8W Sec. 1, 8 |
| | (-) | | Jb | Fish Springs Geothermal Prospect T11S R12W Sec. 27, 29 |
| 524 BK 8 #251 | (+) | AERC 9/80 10/80 | Sa | <i>AERC</i> Archaeological Reconnaissance of Seismic Routes and Access Roads in the Alkali Point, Cross Canyon, and Bug Park Area T36S R24E Sec. 31, 32, 33 T37S R24E Sec. 3, 4, 5, 9, 16, 17, 19, 20, 30 T38S R25E Sec. 4, 9, 10, 11, 12, 13, 14, 15, 16, 22 T38S R26E Sec. 15, 16, 17, 18, 19, 21 |
| 525 | (-) | UTARC 9/80 | Un | Archaeological Reconnaissance of a Proposed Tank Battery Location and Pipeline T7S R23E Sec. 10 |
| 526 | () | Fugro 9/80 | Md, In, Be | |
| 527 | () | UTARC 9/80 | Cb, Em | |
| 528 | (-) | UTARC 9/80 | Em | Buckhorn Well Powerline Survey T19S R10E Sec. 10, 15 |

U-85-30-541bs

750.30 acres

Sa

ENTERED FEB 1986

Archaeological Survey of Fourteen Seismograph Lines for Frontier Exploration, Inc., San Juan County, Utah. LAC Report 8566.

29 January 1986

La Plata Archaeological Consultants: Patrick Harden

LAC, Bk 5 #150

Plotted: 7 Feb 1986

Sites: 39



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

January 28, 1988

Mr. William Geer
Utah Division of Wildlife Resources
1596 West North Temple
Salt Lake City, Utah 84116-3154

Dear Bill:

Re: Comments on Samedan Oil Wildcat Well (SAI UT871228-020)

Thank you for your recent comments concerning the processing of an Application for Permit to Drill the referenced well which the Division of Oil, Gas, Mining presented to the Resource Development Coordinating Committee for review. This letter shall inform you of DOGM'S actions in response to your comments.

Because the proposed well is located on a federal lease, the primary administrative agency for approval of the APD is the U. S. Bureau of Land Management. On January 21, John Baza of DOGM spoke with Mr. Rich McClure of BLM's San Juan Resource Area to inform him of your concerns with the well. The following are his responses to the concerns listed on your letter dated January 13.

Because of weather conditions in the area of the proposed well, BLM is allowing a lease suspension for an indefinite period of time depending on when they approve the APD. With the lease suspension, it is possible that development may not occur until after April 15; however, this would depend on the intentions of the operator of the proposed well. This means that the operator is not forced to begin work in the near future because of a lease expiration, although the operator may need to begin drilling for some other reason.

The BLM has not received an APD to begin their approval process; however, they have received a Notice of Staking and they have determined that the well location does not lie within an area which the BLM considers to be critical winter range for mule deer. It is not likely that the BLM could impose time restrictions on development or special forage improvement requirements without such language included as part of the lease. Site and road reclamation are standard requirements for oil and gas drilling, and such actions will be performed according to BLM reclamation standards.

Page 2
Mr. William Geer
January 27, 1988

The BLM shares the state's concerns for protection of wildlife resources; however, they must still function according to federal regulations and guidelines. Upon receipt of the APD, the BLM will schedule an onsite predrill inspection, and Mr. McClure indicated that state representatives from the Division of Wildlife Resources, the Division of State Lands and Forestry, and DOGM could make arrangements to attend. It is our suggestion that your agency should do so and attempt to resolve any concerns with the BLM and the operator at the time of the onsite visit.

This Division must act to process the permit in the near future. Because the operator has complied with DOGM rules for submitting an APD, we cannot deny the request for approval; however, a special stipulation will be included as part of the approval to require the operator to coordinate directly with the state Division of Wildlife Resources and the BLM to avoid detrimental impact to the wildlife resources in the area of the proposed well.

We hope this adequately responds to your concerns and we welcome continued coordination such as this from your agency. If you have any further questions, please contact John Baza or R. J. Firth of this office.

Best Regards,



Dianne R. Nielson
Director

JRB
cc: Rich McClure, BLM
R. J. Firth
Well file
0384T-70-71



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

January 28, 1988

No 185

Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Colorado 80202

Gentlemen:

Re: Marathon Federal 1-5 - NW NE Sec. 5, T. 37S, R. 24E
460' FNL, 2500' FEL - 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.

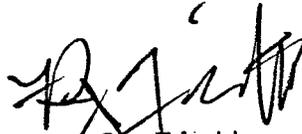
Page 2

Samedan Oil Corporation
Marathon Federal 1-5
January 28, 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 43-037-31388.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as

Enclosures

cc: Branch of Fluid Minerals

D. R. Nielson

8159T

RECEIVED
SUBMIT IN PUBLIC
APR 06 1988
(Other instructions on reverse side)

Form approved. *Ort.*
Budget Bureau No. 1004-0136
Expires August 31, 1985

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT** **DIVISION OF
OIL, GAS & MINING**

| | |
|---|--|
| 5. LEASE DESIGNATION AND SERIAL NO. U-39243 | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A | |
| 7. UNIT AGREEMENT NAME N/A | |
| 8. FARM OR LEASE NAME Marathon Federal | |
| 9. WELL NO. 1-5 | |
| 10. FIELD AND POOL OR WILDCAT Wildcat | |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-37s-24e SLBM | |
| 12. COUNTY OR PARISH San Juan | 13. STATE Ut. |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 air miles ESE of Blanding, Utah | 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 460' |
| 16. NO. OF ACRES IN LEASE 2,475 | 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. N/A | 19. PROPOSED DEPTH 6,050' |
| 20. ROTARY OR CABLE TOOLS Rotary | 21. APPROX. DATE WORK WILL START* Apr. 2, 1988 |

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
Samedan Oil Corporation (303) 534-0677

3. ADDRESS OF OPERATOR
1616 Glenarm Pl., Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: **460' FNL & 2500' FEL (NWNE)**
 At proposed prod. zone: **Same** *43-037-31388*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
460'

16. NO. OF ACRES IN LEASE
2,475

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.
N/A

19. PROPOSED DEPTH
6,050'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,607' ungraded ground

22. APPROX. DATE WORK WILL START*
Apr. 2, 1988

23. **PROPOSED CASING AND CEMENTING PROGRAM**

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 [Signature]* TITLE Consultant DATE 3-11-88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____ cc: Brune (3), MDO (3), SJRA (1)

APPROVED BY *J. A. [Signature]* TITLE **SALES DISTRICT MANAGER** DATE APR 01 1988

CONDITIONS OF APPROVAL, IF ANY: *per*

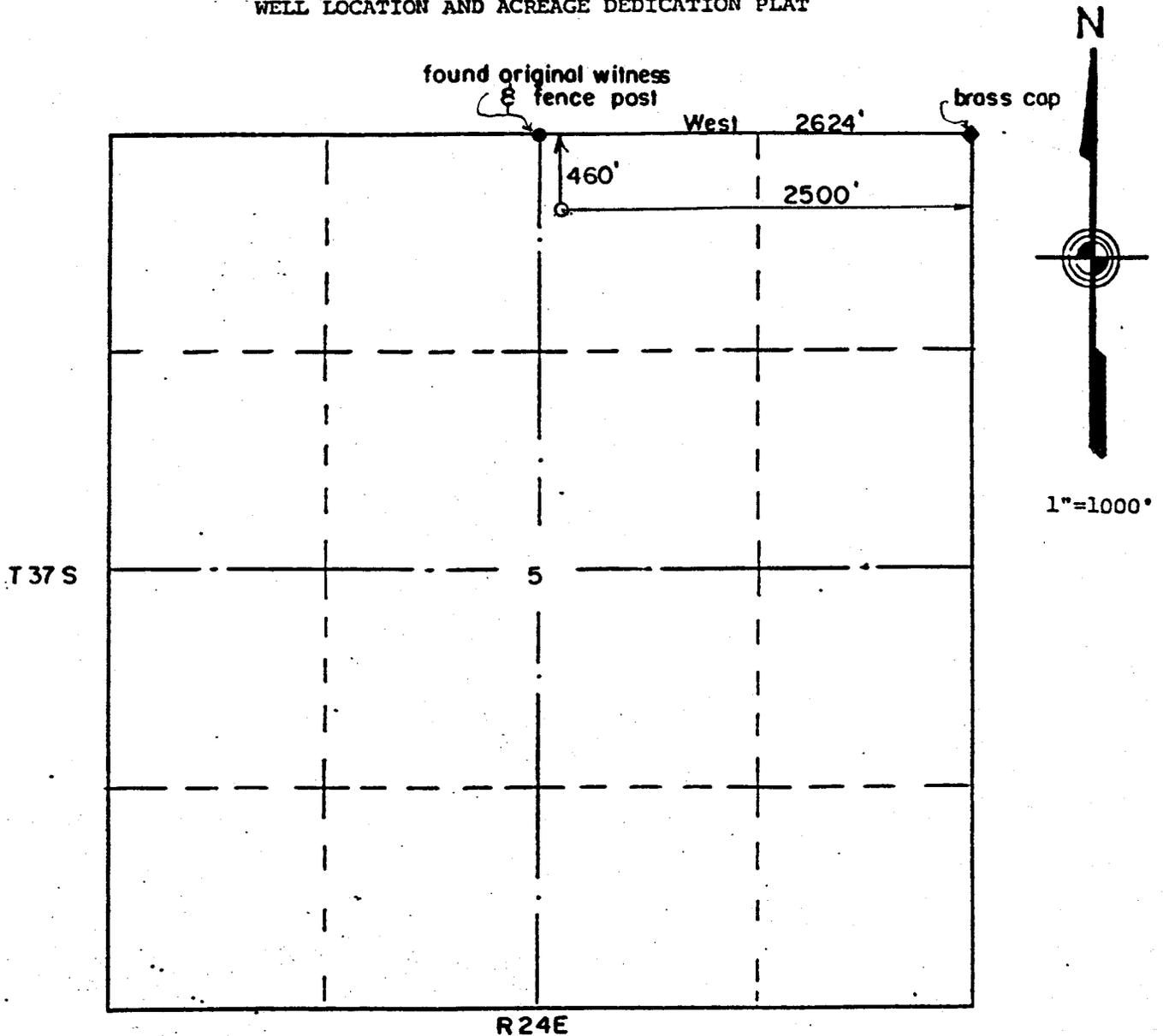
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED SUBJECT TO RIGHT OF WAY APPROVAL

*See Instructions On Reverse Side

CC: SJRA 1/1/80
DOEM

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:
Samedan Oil Corporation
460' FNL & 2500' FEL, 5607' grd. elevation
Section 5, T.37 S., R.24 E., SLM
San Juan County, Utah
Alternate: 460' FNL & 2550' FEL, 5614' grd.

The above plat is true and correct to my knowledge and belief.

19 December 1987

REGISTERED LAND SURVEYOR
No. 5705
GERALD G. HUDDLESTON
Gerald G. Huddleston, LS
STATE OF UTAH

Samedan Oil Corporation
Well No. Marathon Federal 1-5
Sec. 5, T. 37 S., R. 24 E.
San Juan County, Utah
Lease U-39243

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.

B. THIRTEEN-POINT SURFACE USE PLAN

All persons in the area who are associated with the project will be informed by the operator that they will be subject to prosecution for disturbing archaeological sites or collecting artifacts. If subsurface cultural material is exposed during construction, work at that spot will stop immediately and the Bureau of Land Management, San Juan Resource Area office will be contacted (801) 587-2141. The operator will be responsible for the cost of evaluation of the discovery and proper mitigation measures. Any decision as to proper mitigation shall be made by the authorized officer after consulting with the operator.

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;

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) 259-6239

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.

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOBS
Chairman

P. O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

WILLIAM D. HOWELL
Executive Director

AREAWIDE CLEARINGHOUSE A-95 REVIEW 030726

NOI ___ Preapp ___ App ___ State Plan ___ State Action X Subdivision ___ (ASP # 2-121-1)

Other (indicate) _____ SAI Number UT

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

Title:

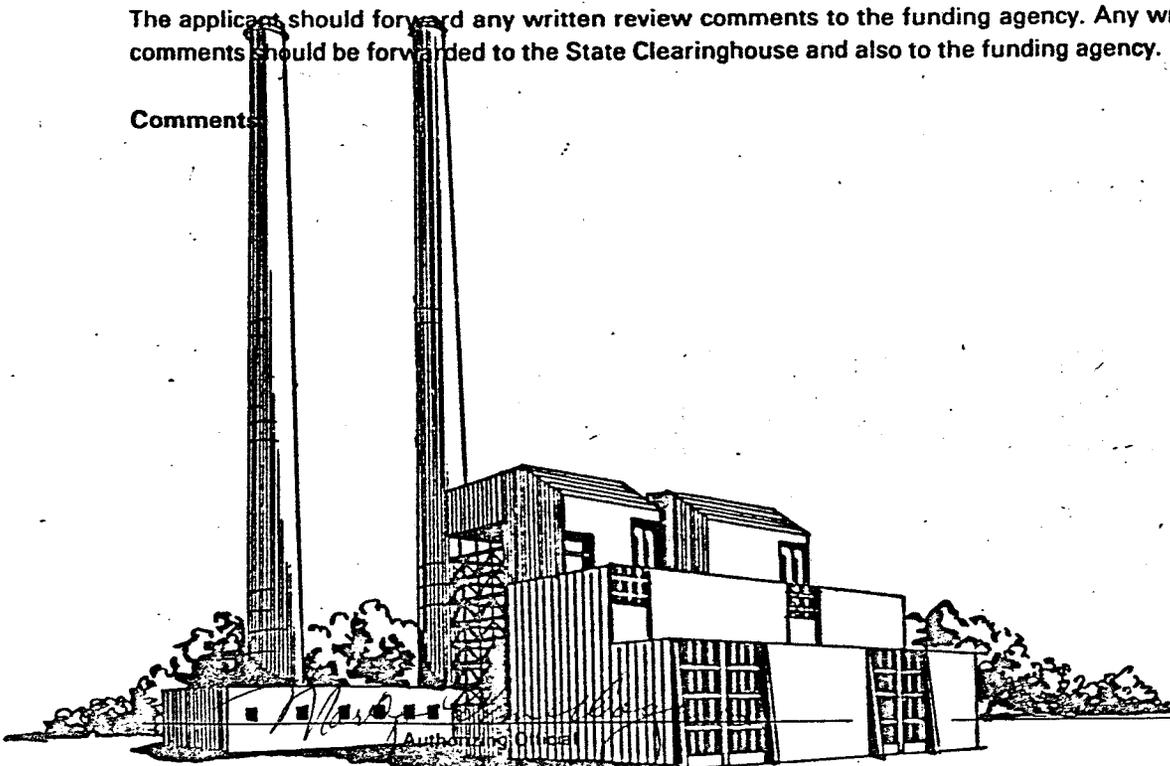
APPLICATION FOR PERMIT TO DRILL

Dr. 43-037-31388
Same as
Marathon Fed. # 1-5
55, 375 24 E - 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



2-25-88

Date

REGIONAL CLEARINGHOUSE

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 in a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

APR 25 1988

DIVISION OF OIL, GAS & MINING

| | | |
|--|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. U-39243 |
| 2. NAME OF OPERATOR Samedan Oil Corporation | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A |
| 3. ADDRESS OF OPERATOR 1616 Glenarm Place, Suite 2550, Denver, CO | | 7. UNIT AGREEMENT NAME N/A |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 460' FNL & 2500' FEL (NWNE) | | 8. FARM OR LEASE NAME Marathon Federal |
| 14. PERMIT NO. 43-037-31388 | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5607 - Ungraded GL | 9. WELL NO. 1-5 |
| | | 10. FIELD AND POOL, OR WILDCAT Wildcat |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-37S-24E SLBM |
| | | 12. COUNTY OR PARISH San Juan |
| | | 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 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.)*

Samedan Oil Corporation respectfully requests that this well be given a "Tight Hole" status and all information pertaining to testing, completion and production (Logs, DST's, formation tops, perforations, IP's, etc.) be held in confidentiality for a one (1) year period.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct
 SIGNED Scott A. Steinke TITLE Petroleum Engineer DATE 4-22-88
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

OPERATOR Samedan Oil Corporation

OPERATOR CODE N0185

ENTITY ACTION FORM - DOGM FORM 6

ADDRESS 1616 Glenarm Place, Suite 2550
Denver, CO 80202

PHONE NO. 303, 534-0677

CONFIDENTIAL

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | | SPUD DATE | EFFECTIVE DATE |
|--|--------------------|----------------|--------------|-----------------------|---------------|----|-----|-----|----------|---------------|----------------|
| | | | | | QQ | SC | TP | RG | COUNTY | | |
| A | 99999 | 10866 | 43-037-31388 | Marathon Federal #1-5 | NWNE | 5 | 37S | 24E | San Juan | 27 4-25-88 | |
| COMMENTS: Federal lease not in unit proposed zone area Assign new entity # (wildcat, only well in sec.) | | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | | |

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL
 B - ADD NEW WELL TO EXISTING ENTITY
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
 E - OTHER (EXPLAIN IN COMMENTS SECTION)
 (SEE INSTRUCTIONS ON BACK OF FORM)

Jay L. Brune
 SIGNATURE Gary L. Brune
 Division Production 4-25-88
 TITLE Superintendent DATE

Water R.
ad.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API No. 43-037-31388

NAME OF COMPANY: SAMEDAN OIL CORPORATION

WELL NAME: MARATHON FEDERAL 1-5

SECTION NWNE 5 TOWNSHIP 37S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR EXEDER 68

RIG # 68

SPUDDED: DATE 4-27-88

TIME 1:45 a.m.

How ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE _____

REPORTED BY SCOTT STEINKE

TELEPHONE # 303-534-0677

DATE 4/27/88 SIGNED TAS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPI
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS OF 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.)

MAY 16 1988

| | | |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. U-39243 |
| 2. NAME OF OPERATOR SAMEDAN OIL CORPORATION | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A |
| 3. ADDRESS OF OPERATOR 1616 Glenarm Place, Ste. 2550, Denver, CO 80202 | | 7. UNIT AGREEMENT NAME N/A |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 460' FWL 250' FEL (NWNE) Same @ TD. | | 8. FARM OR LEASE NAME Marathon Federal |
| 14. PERMIT NO. 43-037-31388 | | 9. WELL NO. 1-5 |
| 15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5619 KB | | 10. FIELD AND POOL, OR WILDCAT Wildcat |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-37S-24E |
| | | 12. COUNTY OR PARISH San Juan |
| | | 13. STATE UT |

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

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

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

Spud well at 1:45 A.M. 4/27/88. Drill 17 1/2" hole to 122'. Run 122' 13 3/8" + 48" + H-40 casing & cement to surface w/100 sx class "B". Drill 11" hole to 1795'. Run 1795' 8 5/8" + 24" + K-55 casing & cement to surface w/550 sx, 50 bbl cement returns. NU BOPE, drill to 6012 TD w/7 7/8" bit. Log. Received verbal approval to P&A well frm Dale Manchester, Moab District BLM at 8:15 A.M., 5/7/88. Plugs set w/class "B" cement and 11 ppg mud between as follows:

- 100 sx from 5400-5700
- 100 sx from 3000-3300
- 100 sx w/drill pipe @ 1900'. Tagged top of cmt @ 1698'. Pumped
- 50 sx from 1698-1541'. (Total plug = 150sx from 2000-1541')
- 15 sx surface marker to set dry hole marker.
- 25 sx cement in top of conductor & surface in cellar.

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

SIGNED Scott Steinke TITLE Petroleum Engineer DATE 5-12-88

(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 DUPLICATE

(See other instructions on reverse side)

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

2

RECEIVED
DEC 15 1988

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

U-39243

INDIAN, ALLOTTEE OR TRIBE NAME

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

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

UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Samedan Oil Corporation

8. FARM OR LEASE NAME

Marathon Fed.

3. ADDRESS OF OPERATOR

1616 Glenarm Pl. Ste. 2550, Denver, CO 80202

9. WELL NO.

1-5

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

At surface 460 FNL 2500 FEL (NWNE)

10. FIELD AND POOL, OR WILDCAT

Wildcat

At top prod. interval reported below

At total depth SAME

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

5-37S-24E- SLBM

14. PERMIT NO.

43-037-31388

DATE ISSUED

1-28-88

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED

4-27-88

16. DATE T.D. REACHED

5-5-88

17. DATE COMPL. (Ready to prod.)

P&A 5-7-88

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GL 5620

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6012 TD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

0-6012

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

(Gearhart) GR/SP/CAL/DLL/MSFL, GR/CAL/FDC/CNL *mud*

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 | 48 | 122 | 17 1/2 | 100SX | None |
| 8 5/8 | 24 | 1795 | 11 | 550SX | None |

29. LINER RECORD

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

30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number)

CONFIDENTIAL

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

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

33.* PRODUCTION

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

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

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

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

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 Scott A. Steinko TITLE Petroleum Engineer DATE 12-12-88

*(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, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|-----------|-----|--------|------------------------------|---|----------------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | No tests or coring performed | V. Ismay L. Ismay Desert Creek | 5690 5806 5884 | |

4301630174
 Amoco #5, NENEW 34-175-11E 5-10-91
 4303731453
 Inude 2-17, SESW 17-315-23E 5-13-91
 4303731465
 COG-C 1-35-36-21, NWSW 35-365-24E 5-13-91
 4303731340
 Recapture 29-34, SWSE 29-365-28E 5-13-91
 4303730499
 Bug 1, NESE 12-365-25E 5-13-91
 4303731184
 Cedar Point F-13-26, NWSW 12-365-25E 5-13-91
 4303730735
 Bug 25, NENEW 18-365-26E 5-10-91
 4303731322
 Lina 1, NESE 13-375-23E 5-13-91
 4303731388
 Marathon 1-5, NWNE 5-375-24E 5-13-91

JLT List from BLM showing final
abandonment notice dates.

DTS

5-28-91