

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
 Warren American Oil Company

3 ADDRESS OF OPERATOR
 P.O. Box 470372 Tulsa, Oklahoma 74147-0372

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface
 805' FWL, 650' FSL SW SW
 At proposed prod zone

5 LEASE DESIGNATION AND SERIAL NO
 14-20-H62-4376

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME

9 WELL NO
 23-2

10 FIELD AND POOL, OR WILDCAT
 Wildcat 301

11 SEC. T, R, M, OR BLE AND SURVEY OR AREA
 Sec 23, T4S, R1E US&M

12 COUNTY OR PARISH
 Uintah

13 STATE
 Utah

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 13 miles south of Fort Duchesne, Utah

15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drilg unit illoc if any)
 805'

16 NO OF ACRES IN LEASE
 640

17 NO OF ACRES ASSIGNED TO THIS WELL
 40

18 DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL DRILLING COMPLETED, OR APPLIED OR ON THIS LEASE, FT
 6500' GRV

19 ROTARY OR CABLE TOOLS
 Rotary

21 ELEVATIONS (Show whether DF, RT, GR, etc.)
 5137' G.R.

22 APPROX DATE WORK WILL START*
 November 15, 1991

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	J-55 24# STC	300' new	to surface
7 7/8"	5 1/2"	J-55 15# LTC	6500' new	as required

T.D. on this well will be 6500' in the Green River Formation.

- See:
- 8 Point Compliance Program
 - 13 Point surface Use Plan
 - B.O.P. Diagram
 - Plat of Location
 - Cut & Fill Sheets
 - Topographic Map

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DIVISION OF
OIL, GAS & MINING

14 ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED J. M. Allen TITLE Agent DATE October 23, 1991

(This space for Federal or State office use)

PERMIT NO 13 047-30150 APPROVAL DATE APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____ DATE: 11-19-91

BY: J. M. Allen
WELL SPACING: 615-3-2

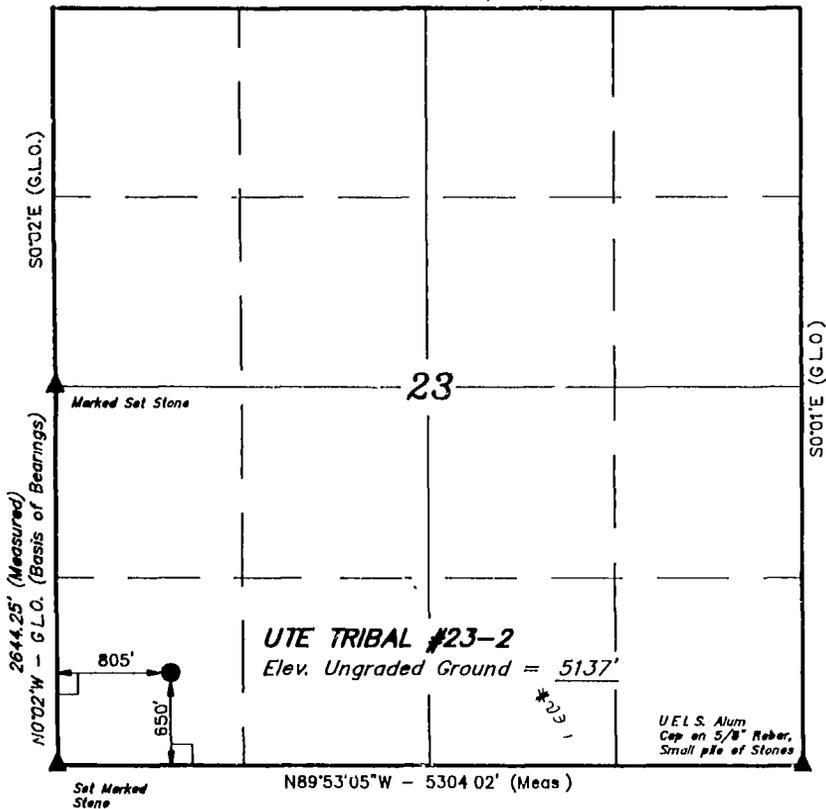
*See Instructions On Reverse Side

T4S, R1E, U.S.B.&M.

WARREN AMERICAN OIL CO.

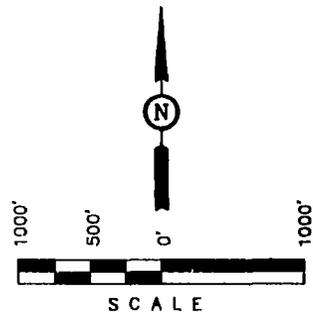
Well location, UTE TRIBAL #23-2, located as shown in the SW 1/4 SW 1/4 of Section 23, T4S, R1E, U.S.B.&M. Uintah County, Utah.

N89°47'W - 8020 (G.L.O.)



BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 23, T4S, R1E, U.S.B.&M. TAKEN FROM THE UTELAND BUTTE QUADRANGLE, UTAH, UINTAH COUNTY, 7 5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5188 FEET.



CERTIFICATE

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

No 5709
Robert J. ...
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 5709
 STATE OF UTAH

Set Marked Stone

N89°53'05"W - 5304.02' (Meas)

U.E.S. Alum
 Cap on 5/8" Rebar,
 Small pile of Stones

▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 788-1017

SCALE 1" = 1000'	DATE 8-13-91
PARTY D A K.K. J.R.S.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE WARREN AMERICAN OIL CO.

8 POINT COMPLIANCE PROGRAM

WELL NAME: Warren American Ute Tribal 23-2

LOCATION: S.W. of S.W. Sec. 23, T4S, R1E. U.S.B. & M.

LEASE NO.: 14-20-H62-4376

INSPECTION Date: 8/20/91

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OIL GAS & MINING

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Well will spud in the Uintah Formation.
Green River at 1500'.
Wasatch at 6500'.

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>FORMATION</u>	<u>ZONE</u>
Expected oil zones:	<u>Green River</u>	<u>4500' - 6500'</u>
Expected gas zones:	<u>Green River</u>	<u>4500' - 6500'</u>
Expected water zones:	<u>Upper Green River</u>	<u>0' - 4000'</u>
Expected mineral zones:	<u>None</u>	

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

3. Pressure Control Equipment:

The rig will be equipped with 10", 3000 PSI, double ram B.O.P.'s with a 10", 3000 psi annular type B.O.P. Pipe rams and blind rams will be tested to 3000 PSI, and the annular B.O.P. will be tested to 1500 PSI before drilling out from surface casing. Pipe rams will be operationally checked each day, and blind rams every trip out of the hole. Accessories to B.O.P.'s include Kelly Cock, Floor Safety valve, and choke manifold of equivalent pressure rating. B.O.P. systems will be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection will be recorded on a daily drilling report.

Preventer will be pressure tested before drilling casing cement plugs and recorded on the daily drilling report.

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

4. Casing Program and Auxiliary Equipment:

300' of 8 5/8", 24#/ft. casing will be set and cemented to surface. If the well is productive 5 1/2", 15#/ft. casing will be set from surface to T.D. Cement program will be determined at that time.

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

0' - 4500' Drill with fresh water.

4500'-T.D. Drill with 2% KCL water.

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

6. Coring, Logging and Testing Program:

No cores or drill stem tests will be taken. Open hole logs will be DLL with Gamma Ray and Micro SFL from T.D. to 3000'. CNL from T.D. to 4000'.

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

7. Abnormal Conditions, Bottom Hole Pressure and Potential Hazards:

The Holden 21-1 well, which is an offset to this well, encountered H₂S gas from two zones, 5578' - 5604', and 5756' - 5772', when the well was completed. No H₂S was noted during the drilling of the Holden 21-2 well. See H₂S Contingency Plan.

Expected bottom hole pressure is 2200 PSI.

8. Anticipated Starting Dates and Notifications of Operations:

Location Construction: November 15, 1991

Spud Date. November 20, 1991

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

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

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

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

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

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

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

Pursuant to NTL-4A, leasees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MCF of gas, whichever occurs first. An application must be filed with

the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 days or authorized period.

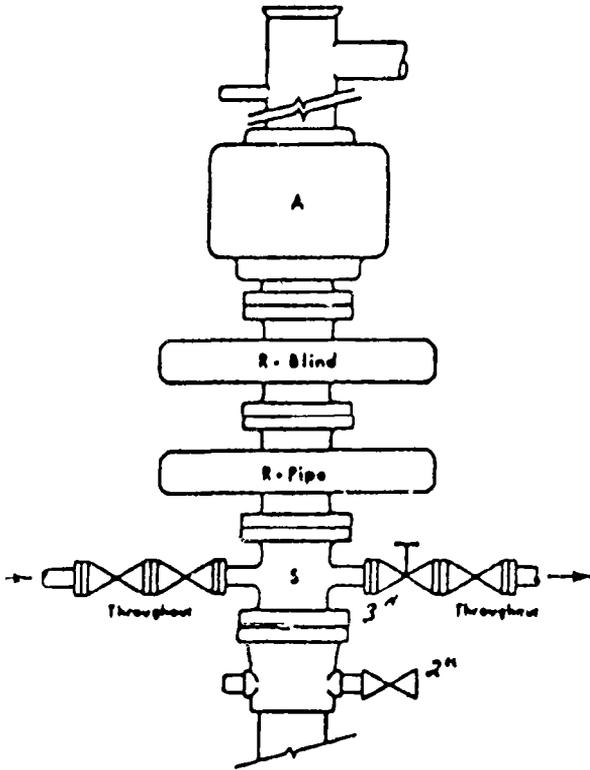
A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

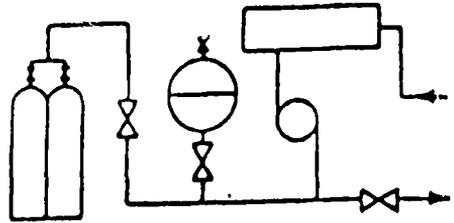
No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" form 3160-5, will be filed with the AO within 30 days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

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

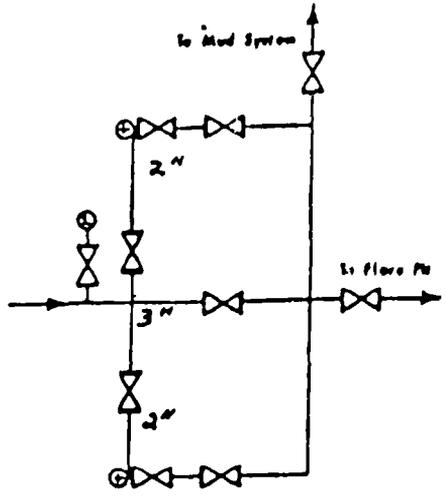
PRESSURE RATING
3,000 psi



BLOWOUT PREVENTION STACK



ACCUMULATOR SYSTEM



Flooded Connections Throughout
MANIFOLD SYSTEM

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WARREN AMERICAN OIL CO.

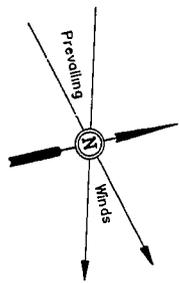
LOCATION LAYOUT FOR

WHITE TRIBAL #23-2

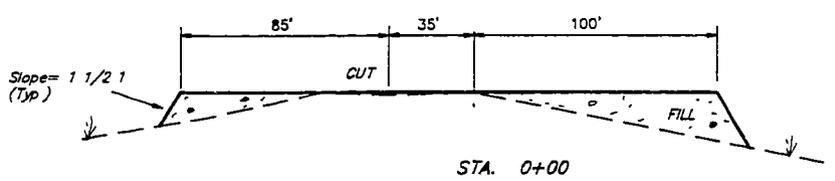
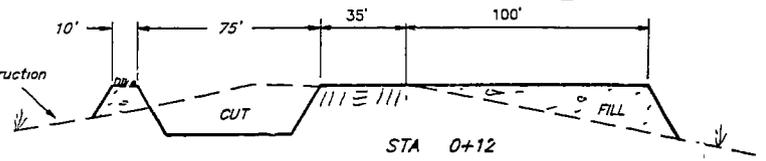
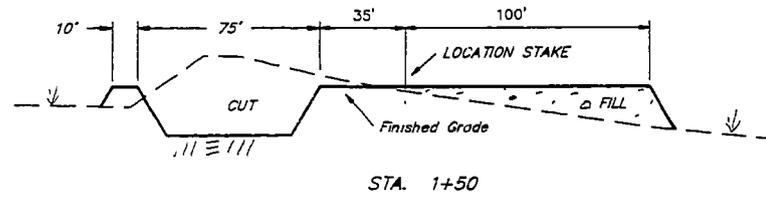
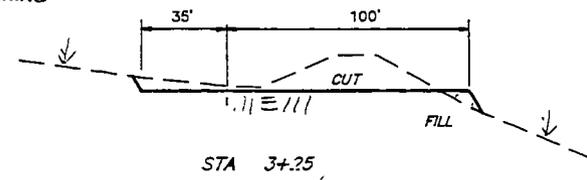
SECTION 23, T4S, R1E, U.S.B. & M

OCT 24 1991

DIVISION OF
OIL GAS & MINING



SCALE 1" = 50'
DATE 8-13-91
Drawn By J.R.S



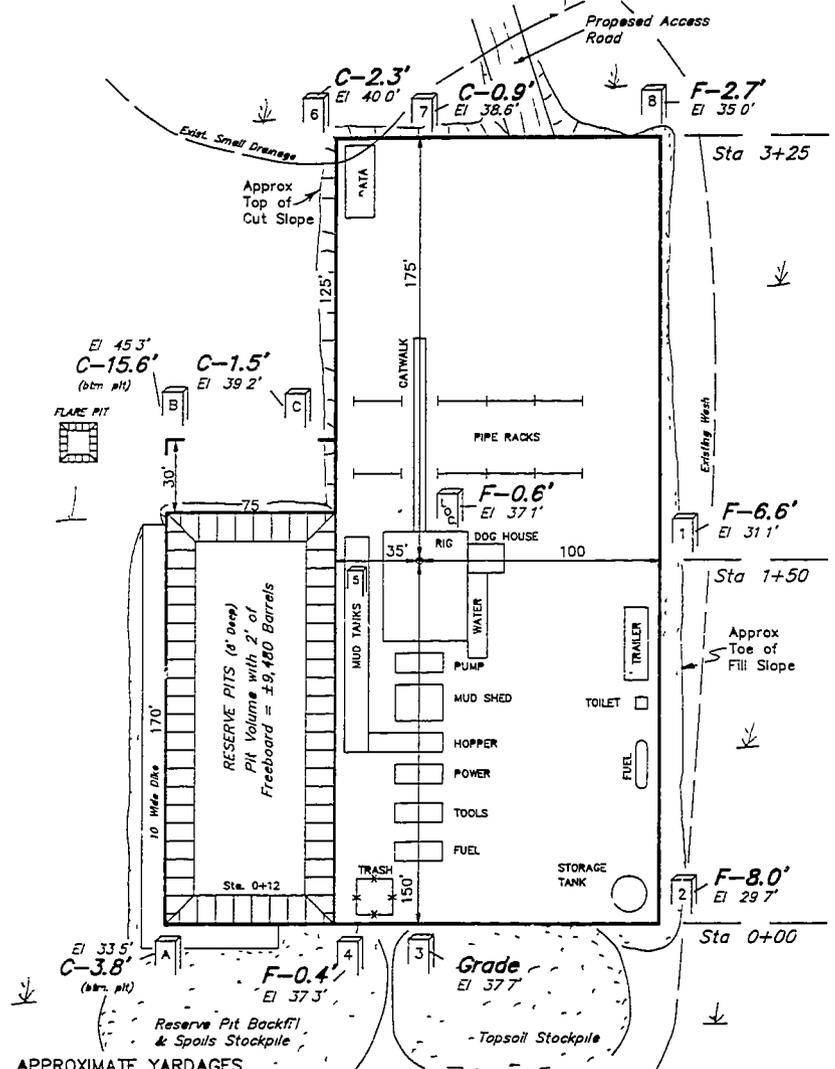
TYP. CROSS SECTIONS
TYP. LOCATION LAYOUT

Elev Ungraded Ground at Location Stake = 5137.1'

Elev Graded Ground at Location Stake = 5137.7'

UINTAH ENGINEERING & LAND SURVEYING

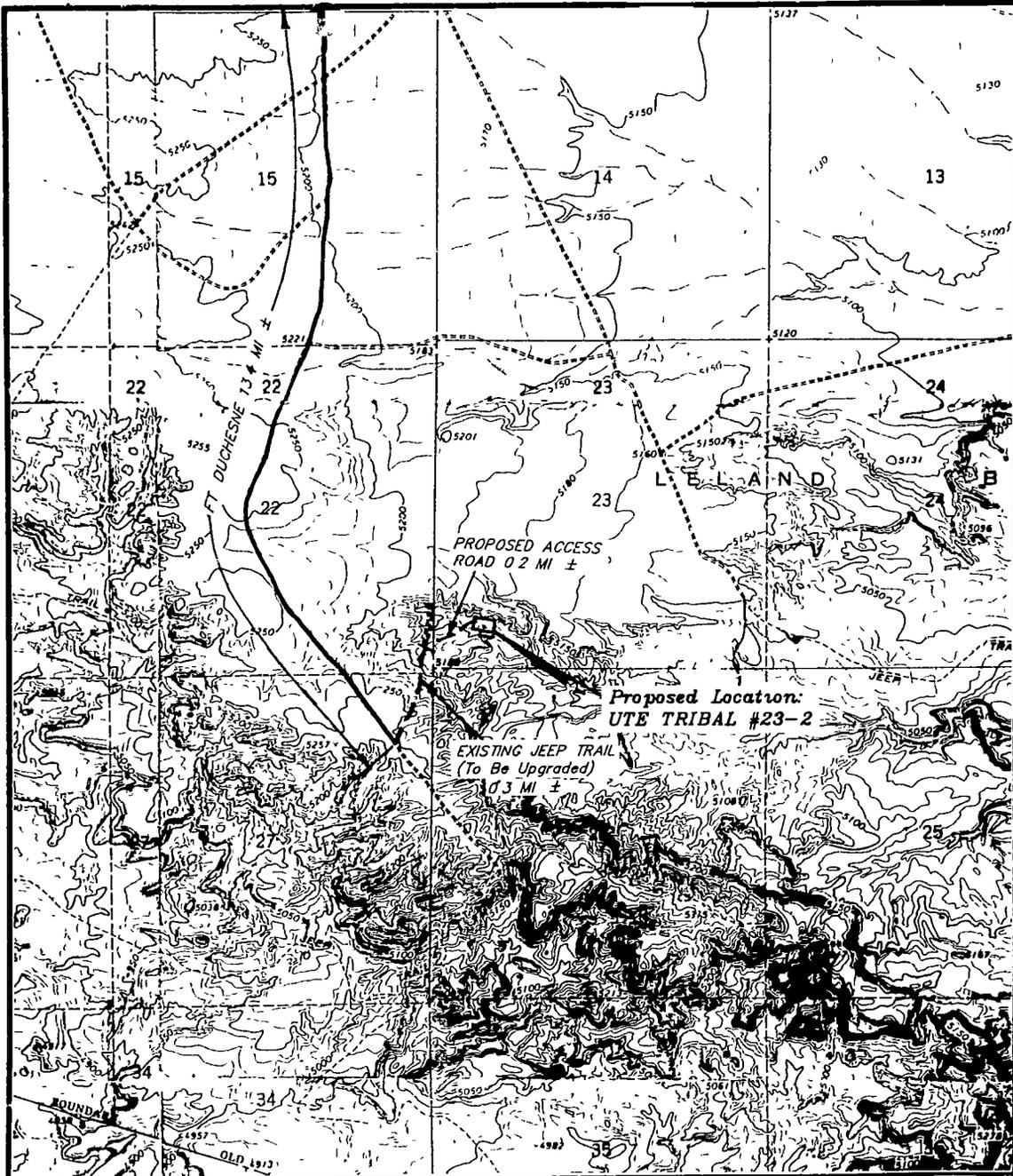
25 So. 200 West, Vernal, Utah



APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 2,500 Cu Yds
Remaining Location	= 5,890 Cu Yds
TOTAL CUT	= 8,390 CU YDS
FILL	= 3,910 CU.YDC

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,270 Cu Yds
Topsoil & Pit Backfill (1/2 Pit Vol)	= 4,250 Cu Yds
EXCESS UNBALANCE (After Rehabilitation)	= 20 Cu Yds



TOPOGRAPHIC

MAP "B"

SCALE 1" = 2000'

DATE 8-13-91 MDA



WARREN AMERICAN OIL CO.

UTE TRIBAL #23-2

SECTION 23, T4S, R1E, U.S.B & M.

OPERATOR Wagner American Oil Co. Inc. DATE 10 03 91

WELL NAME 03-0

SEC S25N T 43 R 1E COUNTY Montah

43-047-30151
API NUMBER

Indian (a)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD USOM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

One additional well within Sec 03, falls within 40' acre water permit

BOCC 10 09 91

APPROVAL LETTER.

SPACING: R615-2-3

N/A
UNIT

R515-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

- 1. Needs water permit
- 2. Oil shale

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, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
November 15, 1991
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Utah Basin Association of Governments
5. TYPE OF ACTION: Lease Permit License Land Acquisition
 Land Sale Land Exchange Other _____
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
Warren American Oil Company proposes to drill a wildcat well, the 23-2 well on Navajo Tribal lease number 14-20-H62-4376 in Uintah County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management or the Bureau of Indian Affairs is the primary administrative agency in this case and must issue approval to drill before operations can commence.
8. LAND AFFECTED (site location map required) (indicate county)
SW/4, SW/4, Section 23, Township 4 South, Range 1 East, Uintah 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:
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
Frank R. Matthews
PHONE: 538-5340
DATE: 10-29-91 *FR Matthews*
Petroleum Engineer



Norman H. Wengerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson Ph.D.

Assistant Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple

3 Triad Center Suite 350

Salt Lake City Utah 84100 1203

801 538-5340

November 19, 1991

Warren American Oil Company
P.O. Box 470372
Tulsa, Oklahoma 74147-0372

Gentlemen:

Re: 23-2 Well, 650 feet from the south line, 805 feet from the west line, SW 1/4 SW 1/4, Section 23, Township 4 South, Range 1 East, Uintah County, Utah

Pursuant to Utah Admin. R. 615-3-2 and Utah Admin. R. 615-3-4, approval to drill the referenced well is hereby granted.

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

1. Compliance with the requirements of Utah Admin. R. 615-1 et seq., Oil and Gas General Rules.
2. Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2

Warren American Oil Company

23-2 Well

November 19, 1991

7. Compliance with the requirements of Utah Admin. R. 615-3-20, Gas Flaring or Venting, if the well is completed for production

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32150.

Sincerely,



R. J. Firth
Associate Director, Oil and Gas

ldc

Enclosures

cc: Bureau of Land Management

J. L. Thompson

WO11