

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

\* Application Rescinded 5.1.85

DATE FILED 3-26-84

LAND: FEE & PATENTED  STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: 3-27-84 - OIL

SPUDDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: LA 5.1.85

FIELD: BLUEBELL 3/86

UNIT: ROOSEVELT

COUNTY: UINTAH

WELL NO. ROOSEVELT UNIT 20-1 API #43-047-31451

LOCATION 2640' FNL FT. FROM (N) (S) LINE. 1100' FEL FT. FROM (E) (W) LINE. SENE 1/4 - 1/4 SEC. 20

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				1S	1E	20	RIQ BRAVO OIL COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Rio Bravo Oil Company

3. ADDRESS OF OPERATOR

Bravo Oil Co., 30th Floor, 201 Mission St., San Francisco, CA-94105

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

At surface 2640' S. and 1100' W. from the NE Corner of  
Sec. 20, T1S/R1E, U.S.B. & M.  
At proposed prod. zone

Green River

2640' FNL, 1100' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12 1/2 miles from Roosevelt, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

2150'

16. NO. OF ACRES IN LEASE

3412±

17. NO. OF ACRES ASSIGNED TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2550'

19. PROPOSED DEPTH

10,200'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 5423'

22. APPROX. DATE WORK WILL START\*

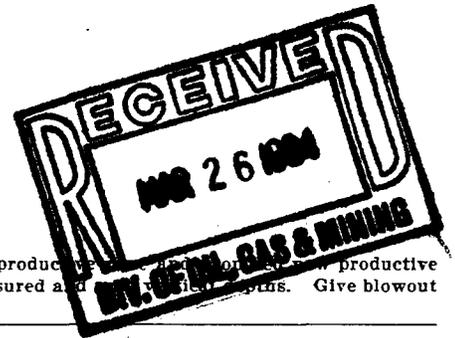
As soon as possible.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	60#	50'	To surface
14-3/4"	10-3/4"	40.5#	2000'	To surface
9-7/8"	7"	23-26#	10,200'	1450 Sx.

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

DATE: 12-1-83  
BY: [Signature]



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured air flow. Give blowout preventer program, if any.

SIGNER: [Signature]

TITLE: DIV. DRILL. ENGR.

DATE: 12-1-83

(This space for Federal or State office use)

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

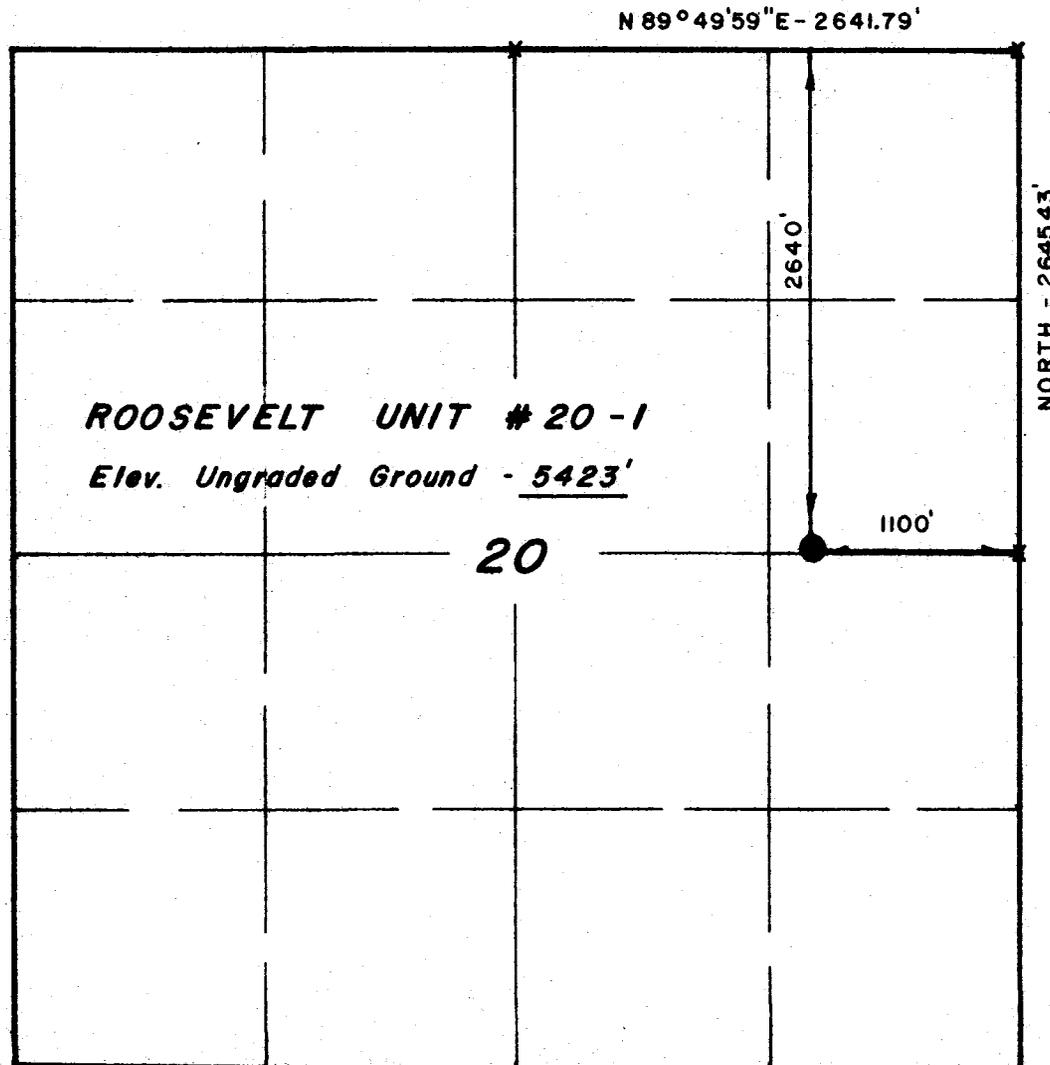
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

T I S , R I E , U . S . B . & M .

PROJECT  
RIO BRAVO OIL COMPANY

Well location, ROOSEVELT  
UNIT #20-1, located as shown  
in the SE1/4 NE1/4 Section 20,  
TIS, RIE, U.S.B. & M. Uintah  
County, Utah.



ROOSEVELT UNIT #20-1  
Elev. Ungraded Ground - 5423'

20

1100'

N 89° 49' 59" E - 2641.79'

2640'

NORTH - 2645.43'



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.

*Shane Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	12/2/83
PARTY	D.A. RT. S.B.	REFERENCES	GLO Plat
WEATHER	Cold	FILE	RIO BRAVO OIL

X = Section Corners Located

EXHIBIT "A"

Ten Point Compliance Program

NTL 6.

Attached to Form 9-331C

OPERATOR: Rio Bravo Oil Company  
WELL NAME: RU-20-1  
LOCATION: Section 20, T1S/R1E, U.S.B. & M., Uintah  
County, State of Utah.

1. GEOLOGIC SURFACE FORMATION

Tertiary Duchesne River Formation.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Duchesne River Surface Formation - surface  
Uintah Formation 2300'  
Green River 5780'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR  
MINERALS

No water flows anticipated.  
Oil & Gas 5400' to 10,000 T.D.

4. PROPOSED CASING PROGRAM

(a) 10-3/4" to 2500', 40.5#, H-40, cement to surface.  
7" 23# and 26#, N-80 and S-95, surface to 10,000',  
600 sacks cement.

(b) Production Casing: 2 7/8" tubing 6.5# N-80.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

EXHIBIT "B" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hr. period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL (Cont'd)

Accessories to BOP include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS

0-2500' - Gel-Lime  
2500' T.D. - Low solids non-dispersed fluid.

7. AUXILIARY EQUIPMENT TO BE USED

5000# Hydril Spherical Safety Valve inside BOP, 4½" pipe ram and Blind Rams (see Exhibit "A").

8. TESTING, LOGGING AND CORING PROGRAMS

(a) Test: DST's possible 8500' - 9500'

(b) Logging Program:  
DIL, Sonic, Dipmeter, Surface - T.D.  
VDL, FDC-CNL, 5000' - T.D.  
Mud logging 2500' - T.D.

(c) Coring:  
Possible 8500' - 9500'

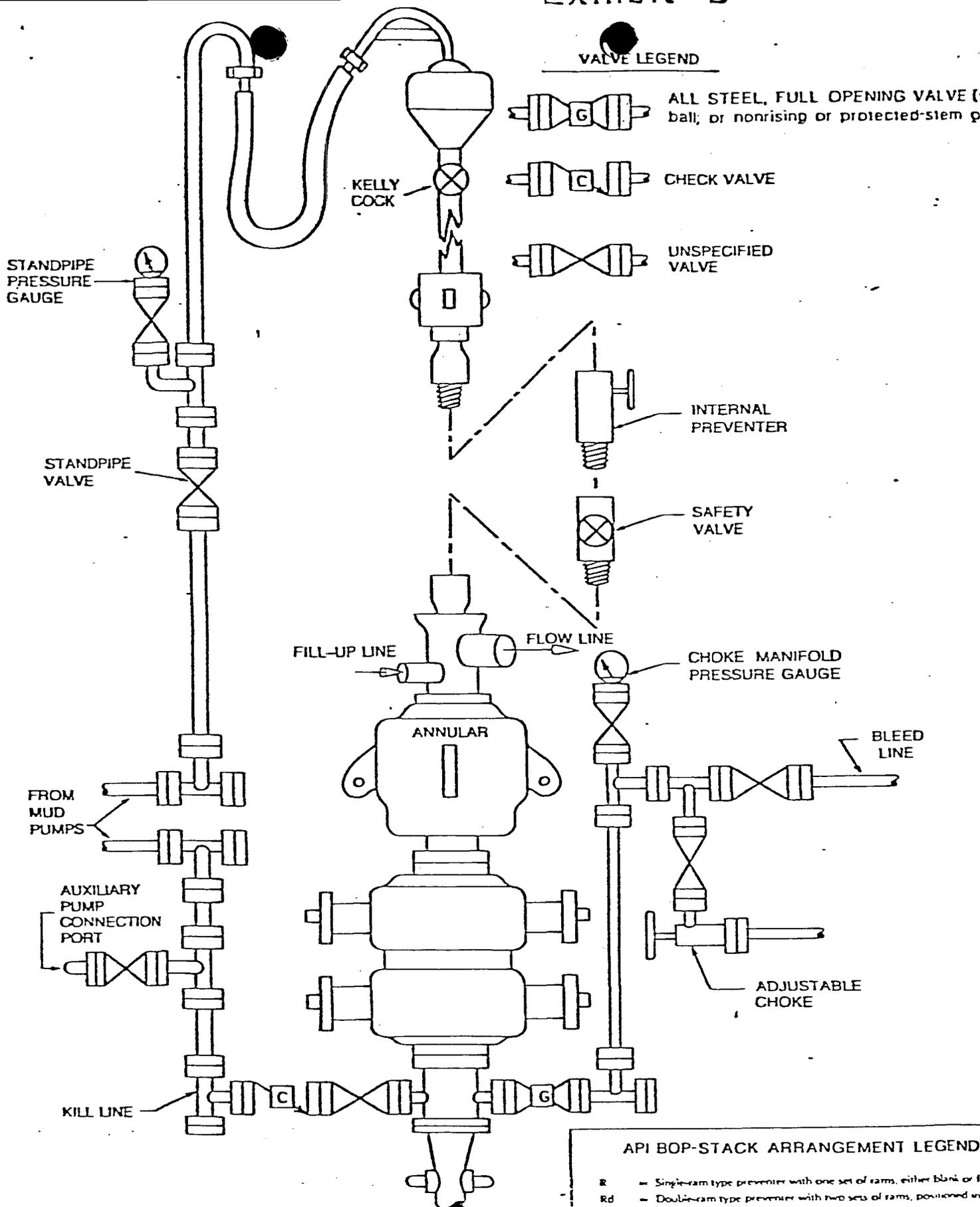
(d) Production:  
If production is obtained, producing formation will be selectively perforated and treated.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

No abnormal pressure or temperatures are anticipated.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The anticipated starting date is to be approximately or soon as possible after examination and approval of drilling requirements. Operation should be completed within 60 days from spudding to rig release.



**EXAMPLE CLASS III BOPE INSTALLATION**  
 API ARRANGEMENT SRRA OR SRdA

**API BOP-STACK ARRANGEMENT LEGEND**

R	= Single-ram type preventer with one set of rams, either blank or full
Rd	= Double-ram type preventer with two sets of rams, positioned with operator's choice.
A	= Annular-type blowout preventer
S	= Drilling spool with side outlet connections for choke and B.T.F.

RIO BRAVO OIL COMPANY

13 Point Surface Use Plan

for

Well Location

Roosevelt Unit #20-1

Located In

Section 20, T1S/R1E, U.S.B.&M.

Uintah County, Utah

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

1) EXISTING ROADS

See attached Topographic Maps A and B .

To reach Rio Bravo Oil Company's well site location in the SE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$  of Section 20, 2646' S. and 1100' W. from the North east corner of Section 20, T1S/R1E, U.S.B.&M., Uintah County, Utah:

Take U.S. Hiway 40 3± miles East of Roosevelt to White-rocks Road #121. Go North (Left) 7½ miles to an existing unimproved dirt road, turn East (Right) and go approximately 1.1 miles Easterly to the proposed location site.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.I.A. or other controlling agencies.

2) PLANNED ACCESS ROAD

See Maps #1 and #2.

Rio Bravo Oil Company proposes to upgrade the unimproved dirt road described in Item #1 to B.I.A. or other controlling agency standards.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

2) PLANNED ACCESS ROAD (Con't)

The road will be centerline flagged prior to the commencement of construction.

There will be no culverts required along this access road.

The grade of this road is relatively flat but will not exceed 8%. This road will be constructed from native borrow accumulated during construction.

There will be no turnouts required along this road.

There are no fences encountered along this access road, there will be no gates or cattle guards required.

The terrain that this access road traverses is relatively flat.

All lands involved under this action are under

The vegetation of this route consists of sparse amount of sagebrush, rabbitbrush, some grasses, and cacti with large areas that are devoid of vegetation.

3) EXISTING WELLS

There are 3 known producing wells within a one mile radius.

There are no known water wells, temporarily abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells for other resources located within a one mile radius of this location site.

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES.

At the present time there are no other Rio Bravo Oil Company production facilities, and gas gathering lines, tank batteries, oil gathering lines, injection line or disposal lines within a one mile radius.

In the event that production of this well is established, the existing area of the location will be utilized for the establishment of the necessary production facilities.

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

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES.

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

The proposed gas flowline will be an 18' right-of-way. It is not known at this time where the proposed flowline will run.

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

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

5) LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be pumped from the Uintah River to the Southwest corner of the proposed location site.

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

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

6) SOURCE OF CONSTRUCTION MATERIALS

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

7) METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

7) METHODS OF HANDLING WASTE DISPOSAL (Cont'd)

A reserve pit shall be constructed.

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

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

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

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

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

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

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest sanitary landfill.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

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

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

9) WELL SITE LAYOUT

See attached location layout sheet.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site and road.

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

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

10) PLANS FOR RESTORATION OF SURFACE

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

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest sanitary landfill.

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

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Item #7 and #10.

11. OTHER INFORMATION

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

The area slopes from the rim of the Book Cliff Mountains to the South to the Uintah Mountains to the North and is a portion of the Uintah Basin. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only one in the area having a year round flow being the Montes Creek to the North, of which the numerous washes, draws and non-perennial streams are tributaries to.

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring and extremely rare heavy thunderstorms, or rain storms of high intensity that last over an extended period of time are extremely rare in nature as the normal annual precipitation is only 8".

All drainages in the immediate area are non-perennial streams and flow to the South and are tributaries to the Green River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravels surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates and shales).

Due to the low precipitation average climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uintah Basin. It consists of, as primary flow areas of sagebrush, rabbitbrush, some grasses, and cacti and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A") (Cont'd)

areas that are formed along the edges of perennial streams, cottonwood, willows, tamarack sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to this area.

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

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

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

This well location site sits on a relatively flat area approximately 1000' Northeast of the West channel of the Uintah River.

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

The ground slopes from the North through the site to the South at approximately a 1.7 % grade.

The location is covered with some sagebrush and grasses.

The total surface ownership affected by this location is owned by THE UTE TRIBE

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

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

Rio Bravo Oil Company  
Well Location  
Section 20, T1S/R1E, U.S.B.&M.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

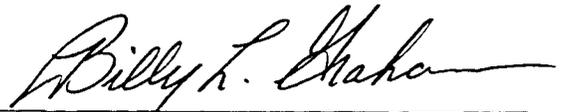
Mr. Robert Hill, Esq.  
c/o Ray, Quinney & Nebeker  
400 Deseret Bldg, 79 S. Main  
Salt Lake City, UT 84111

13. CERTIFICATION

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

12-1-83

(Date)



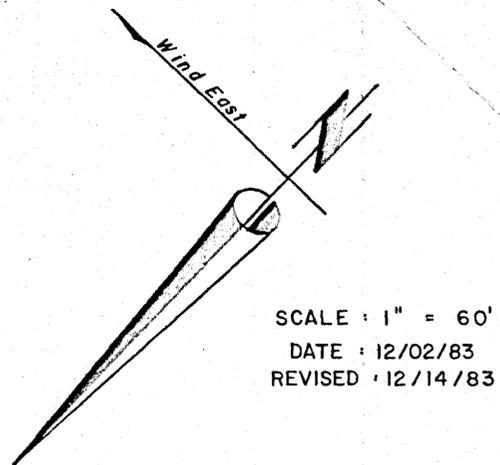
Billy L. Graham  
Billy L. Graham  
Division Drilling Engineer

BLG/gs

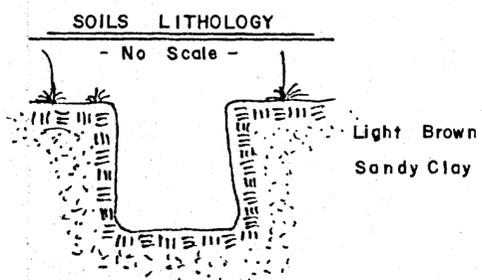
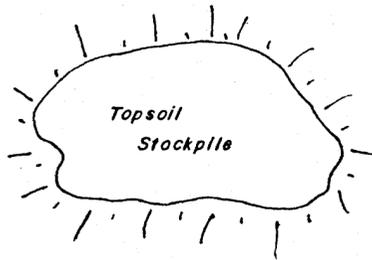
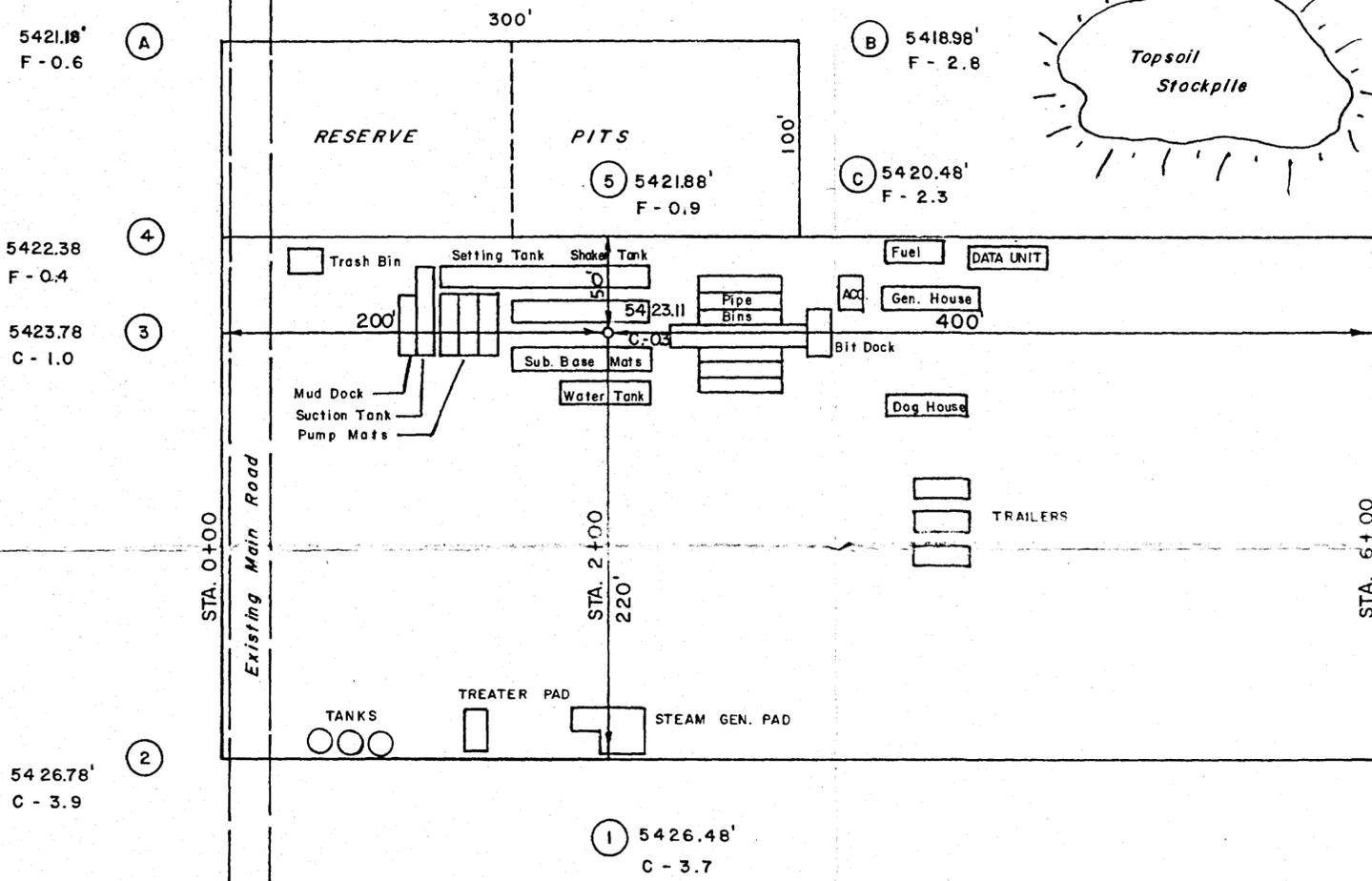
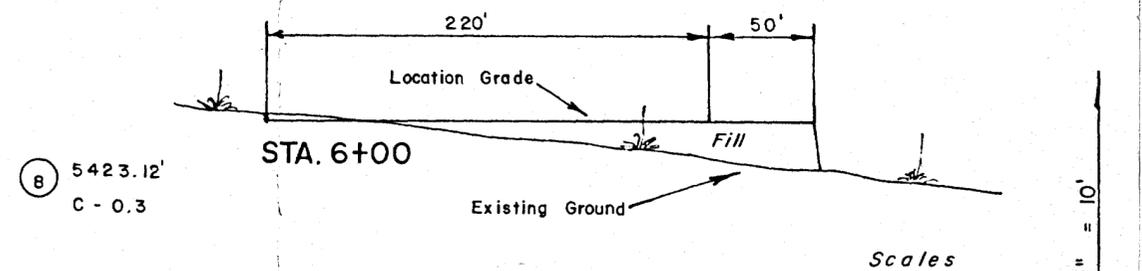
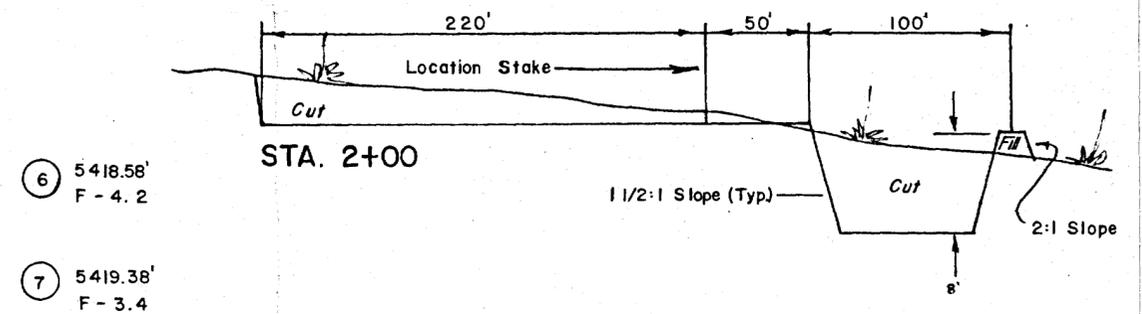
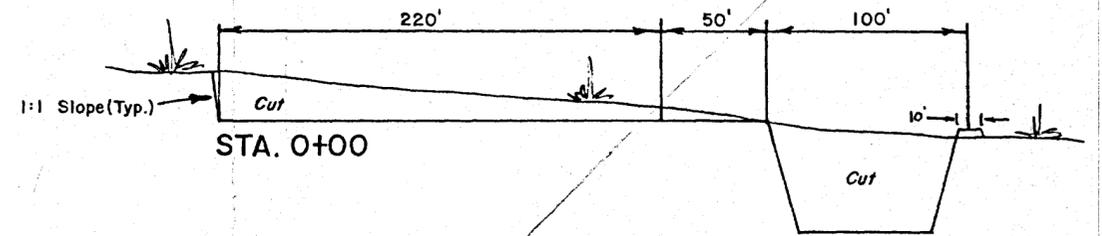
# RIO BRAVO OIL COMPANY

ROOSEVELT UNIT # 20-1

## Location Layout & Cut Sheet



SCALE : 1" = 60'  
 DATE : 12/02/83  
 REVISED : 12/14/83

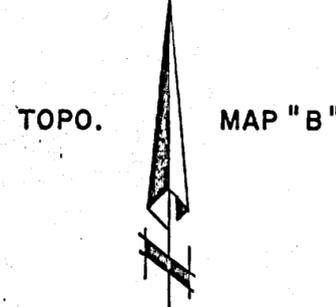


APPROXIMATE YARDAGES 1" = 60'

Cubic Yards Cut - 13,320

Cubic Yards Fill - 4,315

RIO BRAVO OIL COMPANY  
ROOSEVELT UNIT # 1  
PROPOSED LOCATION



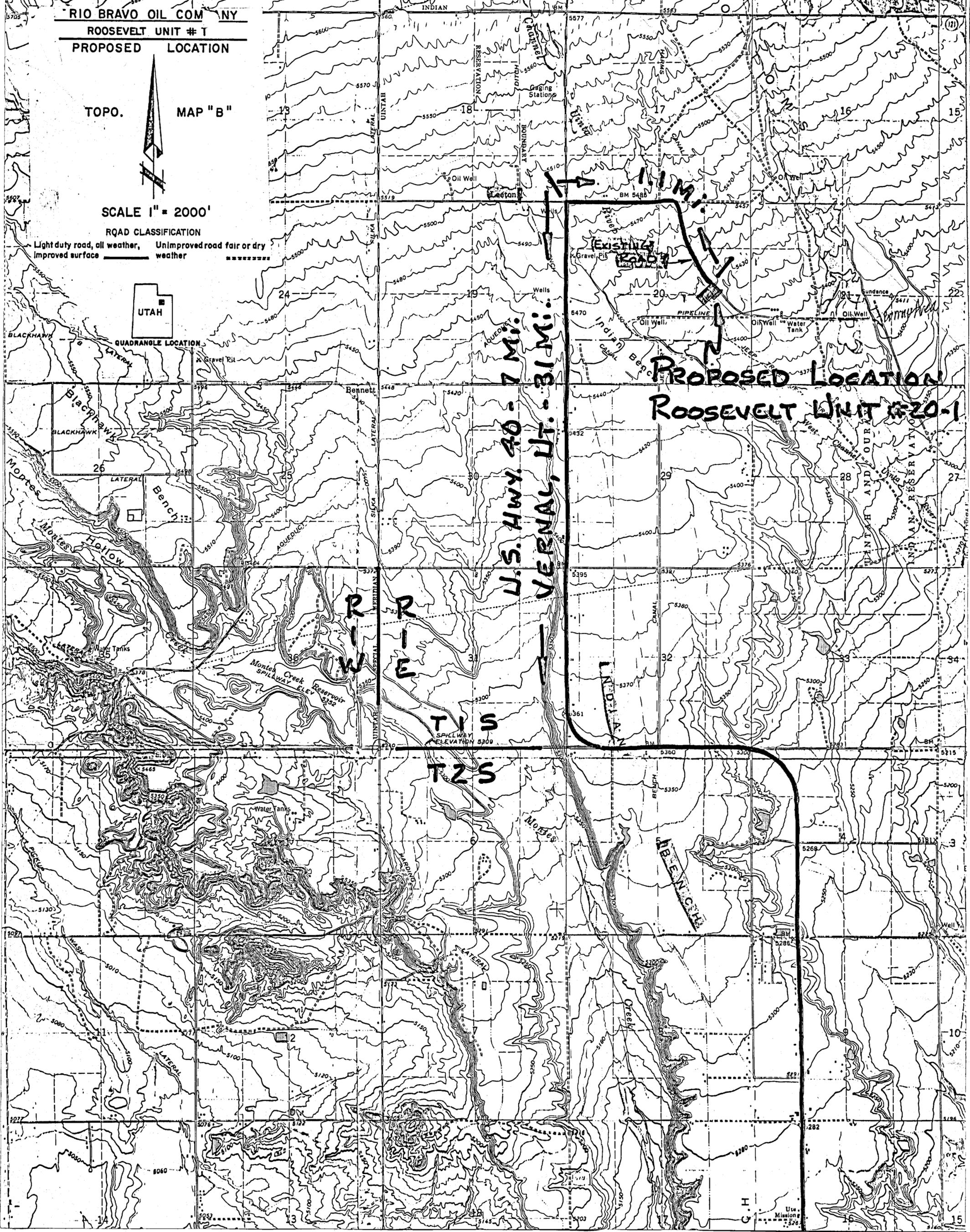
SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface  
Unimproved road fair or dry weather



UTAH  
QUADRANGLE LOCATION



PROPOSED LOCATION  
ROOSEVELT UNIT #20-1

U.S. HWY. 40 - 7 MI.  
VERNAL, UT. - 31 MI.

RIVER

TIS  
T2S

INDIAN RESERVATION

Use Mission 528





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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER Roosevelt Unit

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

March 27, 1984

Rio Bravo Oil Company  
Bravo Oil Company  
30th Floor  
201 Mission Street  
San Francisco, California 94105

RE: Well No. Roosevelt Unit 20-1  
SENE 20, T. 1S, R. 1E  
2640' FML, 1100' FEL  
Uintah County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to the commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

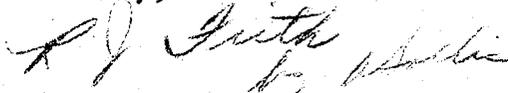
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-5068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an

Rio Bravo Oil Company  
Well No. Roosevelt Uni 20-1  
March 27, 1984  
Page 2

application for an extension is made prior to the approval  
expiration date.

The API number assigned to this well is 43-047-31451.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

RJF/as  
Encl.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 Rio Bravo Oil Company

3. ADDRESS OF OPERATOR  
 Bravo Oil Co., 30th Floor, 201 Mission St., San Francisco, CA-94105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 2640' S. and 1100' W. from the NE Corner of  
 Sec. 20, T1S/R1E, U.S.B.&M.  
 At proposed prod. zone  
 Green River

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 1/2 miles from Roosevelt, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 2150'

16. NO. OF ACRES IN LEASE  
 3412±

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2550'

19. PROPOSED DEPTH  
 10,200'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GR 5423'

22. APPROX. DATE WORK WILL START\*  
 As soon as possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	60#	50'	To surface
14-3/4"	10-3/4"	40.5#	2000'	To surface
9-7/8"	7"	23-26#	10,200'	1450 Sx.

RECEIVED

MAY 16 1984

DIVISION OF OIL  
GAS & MINING



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

24. SIGNED B. L. Graham TITLE DIV. DRILL ENGR. DATE 12-1-83

(This space for Federal or State office use)

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

APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 5/11/84

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

State OG & M  
117-000-11-119

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL  
WITHIN THE UINTAH OURAY RESERVATION

Company Rio Bravo Company Well No. RU-20-1  
Location Sec. 20 T. 1S R. 1E Lease No. I-1095242  
Onsite Inspection Date 4-9-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations, Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

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.

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

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

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.

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

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data

obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

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 orally 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 well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in triplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the 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 unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

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

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

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

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

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

#### B. THIRTEEN POINT SURFACE USE PLAN

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

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved rights-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery.

Tank batteries will be placed on the north edge of the location.

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

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

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters must be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months for new meter installations and at least quarterly for other meter installations. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

If fill materials are needed to construct roads and well sites, proper permits will be obtained. A copy of the permit needed to obtain water will be attached to the application if water is to be used for the drilling. Information for permits will include: (a) the approximate amount of water or materials needed, (b) location and ownership of the water rights or materials to be used and, (c) the approximate amount of time the water or materials will be required.

Storage tanks will be used if drill sites are located on tribal irrigable land or on lands under crop production. All reserve pits will be lined.

Burning will not be allowed. All trash must be contained and disposed of by trash cage and removed to a sanitary landfill.

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

Camp facilities will not be required.

### Well Site Layout

The reserve pit will be located on the southeast corner of the location.

The stockpiled topsoil will be stored on the southwest corner of the location.

Access to the well pad will be from the east edge of location.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way Authorization". All operators, sub-contractors, vendors and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

### Plans for Restoration of Surface

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

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

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

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

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

Crested Wheatgrass	5 lbs.
Intermediat Wheatgrass	5 lbs.
Wild Russian Rye	5 lbs.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed 90 days after completion of the well.

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops and, (c) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

#### Surface and Mineral Ownership

Is owned by the Ute Tribe.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

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

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

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

#### Lessee's or Operators Representative and Certification

Operator employees, including subcontractors, will not carry fire-arms or other weapons that may be used to kill game animals.

Operator employees, including subcontractors, will be confined to established roads and well sites. The purpose of this is to prevent soil erosion, and to prevent harassment of game animals or livestock with off-road vehicles such as snowmobiles, motorcycles, or 4-wheel drives.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the B.I.A. before cutting firewood or other timber products and (e) only authorized personnel permitted.

A bench mark will be established near each well site at a location where it will not be destroyed. The bench mark will be a brass cap set in concrete. The brass cap will show the well number and elevation to the nearest one-tenth of a foot. The cuts and fills diagram for the well site will show elevations in relation to the bench mark.

CONDITIONS OF APPROVAL

The Vernal District Petroleum Engineers have reviewed the Application for Permit to Drill for technical adequacy and concur with the down hole portion of the request providing the following stipulation is included as a part of the approval:

- ] . Cementing program for 7" casing: top of cement will be to at least the top of the Green River formation.

**RECEIVED**  
MAY - 7 1984  
BUREAU OF LAND MANAGEMENT  
VERNAL, UTAH

MEMORANDUM

MAY 3 1984

TO: District Manager, Bureau of Land Management

FROM: Superintendent, Uintah and Ouray Agency

SUBJECT: Rio Bravo Oil Company, Well #RU-20-1  
in the SE/NE, section 20, T. 1 S., R. 1 E., U.S.M.

We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information on May 2, 1984, we have cleared the proposed location in the following areas of environmental impact:

- YES  NO  Listed threatened or endangered species
- YES  NO  Critical wildlife habitat
- YES  NO  Archaeological or cultural resources
- YES  NO  Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)
- YES  NO  Other (if necessary)

REMARKS: \_\_\_\_\_

The necessary surface protection and rehabilitation requirements are enclosed.



*[Signature]*  
Acting Superintendent



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

April 1, 1985

Rio Bravo Oil Company  
201 Mission Street - 30th Floor  
San Francisco, California 94105

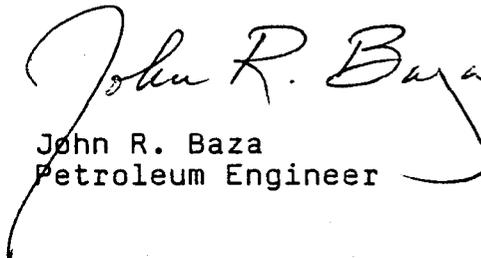
Gentlemen:

Re: Well No. Roosevelt Unit 20-1 - Sec. 20, T. 1S, R. 1E,  
Uintah County, Utah - API #43-047-31451

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,

  
John R. Baza  
Petroleum Engineer

pk

cc: Dianne R. Nielson  
Ronald J. Firth  
File



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

→ J. White  
Are we all "done"  
with this?  
WGM 4/12/85

Norman H. Bangerfer, 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

**RECEIVED**

APR 4 1985

APR 11 1985

April 1, 1985

Rio Bravo Oil Company  
201 Mission Street - 30th Floor  
San Francisco, California 94105

Gentlemen:

Re: Well No. Roosevelt Unit 20-1 - Sec. 20, T. 1S, R. 1E,  
Uintah County, Utah - API #43-047-31451

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A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,

*John R. Baza*  
John R. Baza  
Petroleum Engineer

pk  
cc: Dianne R. Nielson  
Ronald J. Firth  
File

# Santa Fe Energy Company



Central Division-Rocky Mountain District  
Security Life Building  
Suite 2600  
Denver, Colorado 80202-4330  
303/825-5101

State of Utah  
Oil Gas & Mining Division  
Attn: John R. Baza  
Petroleum Engineer  
355 W North Temple  
3 Triad Center, Ste 350  
Salt Lake City, Utah 84180

RECEIVED

APR 15 1985

DIVISION OF OIL  
GAS & MINING

Re: Roosevelt Unit #20-1 - Sec. 20, T1S-R1E  
Uintah County, Utah API: 43-047-31451

Dear Mr. Baza:

Santa Fe Energy does not intend to drill the above captioned well at the present time.

We will submit another Application for Permit to Drill prior to our future plan to drill the well. No operations have been performed on this well location to date.

If you have any questions, please don't hesitate to call.

Sincerely,

SANTA FE ENERGY COMPANY

Jack H. White  
District Drilling Superintendent

JHW/jal  
encl.

