

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL

DEEPEN

RECEIVED
OCT 10 1995
SINGLE ZONE MULTIPLE

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

2. NAME OF OPERATOR

WILLIAM G. BUSH

3. ADDRESS AND TELEPHONE NO.

619 VIEW POINT DR. GRAND JUNCTION, CO. 81506

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

At surface Sec. 13, T. 18 S; R. 24 E. 1975 SW 1/4 & 664 NW 1/4

At proposed prod. zone same

SW 1/4 NW 1/4

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

30 miles west of Mack CO.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

665'

16. NO. OF ACRES IN LEASE

800

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.

1 mile

19. PROPOSED DEPTH

2200

20. ROTARY OR CABLE TOOLS

rotary

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

4931 Gr.

22. APPROX. DATE WORK WILL START*

NOV. 15, 1995

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 5/8"	7"	20	150	To surface
6 1/2"	4 1/2"	9.6	1620	65 sacks

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

William G. Bush

TITLE

Operator

DATE

10-6-95

(This space for Federal or State office use)

PERMIT NO.

43-019-31358

APPROVAL DATE

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

[Signature]

TITLE

Section Engineer

DATE

11/7/95

*See Instructions On Reverse Side

GLO B.C.

N89°51'26"E

GLO B.C.

2639.63'

N00°00'00"E

2630.03'

BUSH 13-1
1975 SNL
664 EWL
ELEV. 4931



GLO B.C.

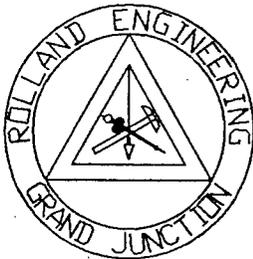
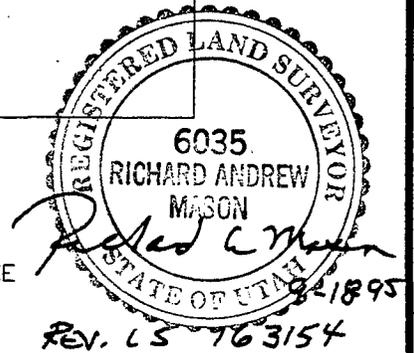
SEC. 13



SCALE 1" = 1000'

BUSH 13-1

LOCATED SOUTH 1975 FEET FROM THE NORTH LINE
AND EAST 664 FEET FROM THE WEST LINE OF
SECTION 13, T18S, R24E, SLBM



ROLLAND ENGINEERING
405 Ridges Blvd
Grand Jct, CO 81503
(970) 243-8300

BUSH 13-1
NW1/4 S.13
T18S R24E SLBM
GRAND COUNTY, UTAH

Designed	Checked RAM	Sheet 1
Drawn	Date 9-14-95	Of 1

Bureau of Land Management
Moab District
Application for Permit to Drill
On-Site Inspection Checklist

Company WILLIAM G. BUSH WellNo. 13-1

Location: Sec. 13, T. 18, R. 24, Lease No. UTU - 73742

On-Site Inspection Date 9 / 25 / 1995

All operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR § 3100), Onshore Oil and Gas Orders, the approved plan of operations and the conditions of approval. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

<u>MANCOS</u>	<u>0</u>	<u>1450</u>
<u>DAKOTA</u>	<u>1450</u>	<u>1620</u>
<u>MORRISON</u>	<u>1620</u>	<u>1930</u>
<u>MORRISON (SALT WASH)</u>	<u>1930</u>	<u>2100</u>

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

	<u>Depth/Formation</u>
Expected Oil Zones:	<u>DAKOTA 1450-1520</u>
Expected Gas Zones:	<u>MORRISON 1750-1820</u>
Expected Water Zones:	<u>DAKOTA (SMALL) @ 1650</u>
Expected Mineral Zones:	<u>NONE</u>

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. When possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to BLM. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment -include schematics of the BOP and choke manifold, and describe testing procedures: AS REQUIRED BY BLM ENGINEER.

BOP systems will be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded in the drilling log and in the daily drilling report.

4. Casing Program and Auxiliary Equipment -include casing size, weight, grade, thread and coupling, setting depth and condition (new or acceptably reconditioned):
- | | | | |
|-------|--------|---------------------|-------------------|
| 150' | 7" | 20 # WITH 20 sacks | cement to surface |
| 1800' | 4 1/2" | 9.5 # WITH 65 sacks | |

5. Cement -include the cement type, density, yield, additives and amount used in setting each casing string. Also include the anticipated cement fill-up. If stage cementing, describe techniques: CLASS "A" 7" CEMENTED TO SURFACE.
4 1/2" AMOUNT DETERMINED WHEN PRODUCING ZONE IS ESTABLISHED.

Surface casing shall be cemented back to surface. Centralizers shall be run, at a minimum, on the bottom three joints of each casing string.

6. Mud Program and Circulating Medium -include mud components and weights. When air drilling, also include: length and location of blooie line; description of the auto ignitor; description of the deduster equipment; and amounts, types and characteristics of stand-by mud: The test will be air and air-mist drilled.
100' of blooie line to reserve pit.
A mud pit 6' X 10' will be made.

Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonable be expected.

7. Coring, Logging and Testing Program: Test will be air drilled

Initial opening of drill stem test tools will be restricted to daylight hours.

8. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards -include anticipated bottomhole pressure and/or pressure gradient. Also list anticipated lost circulation zones, abnormal temperature zones and possible hydrogen sulfide bearing zones:

NONE

9. Any Other Aspects of this Proposal that should be Addressed:

NONE

B. THIRTEEN POINT SURFACE USE PLAN

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

1. Existing Roads:

a. Proposed route to location (submit a map depicting access and well location).

b. Location of proposed well in relation to town or other reference point:
30 miles west of Mack, Colorado & 7 miles north of
I-70 (see exhibit "C").

c. Contact the County Road Department for use of county roads. The use of GRAND COUNTY roads will require an encroachment permit from the GRAND County Road Department.

d. Plans for improvement and/or maintenance of existing roads:
NONE

e. Other: 700' of new access

2. Planned Access Roads:

a. Location (centerline): FLAGGED

b. Length of new access to be constructed: 700'

c. Length of existing roads to be upgraded:

d. Maximum total disturbed width: 15'

e. Maximum travel surface width: 15'

- f. Maximum grades: NA
- g. Turnouts: NONE
- h. Surface materials: NONE
- i. Drainage (crowning, ditching, culverts, etc): Water turnouts, water bars, as needed for drainage controll during production.
- j. Cattleguards: NONE
- k. Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM right-of-way is required: NONE
- l. Other: _____

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

~~If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.~~

~~If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.~~

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

If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells - on a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each: _____

4. Location of Production Facilities:

a. On-site facilities: NONE

b. Off-site facilities: _____

c. Pipelines: Gas pipe line would be connected to Williams
pipe line on county road to the south.

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required by comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: To match soil & vegetation.

All site security guidelines identified in 43 CFR § 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR § 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR § 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit as specified in NTL-2B. If water is produced from the well, an NTL-2B application must be submitted.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on a map): FRUITA OR MACK, COLORADO

A temporary water use permit for this operation will be obtained from the Utah State Engineer in Price, Utah at (801) 637-1303

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): NONE

The use of materials under BLM jurisdiction will conform to 43 CFR § 3610.2-3.

7. Methods of Handling Waste Disposal:

Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc.

The reserve pit will be lined with (native material, bentonite, synthetic material):
During drilling.

The reserve pit will be located: 100' north west of drill rig
10 X 30', and the pit walls will be sloped at no greater than to 1.

The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

8. Ancillary Facilities: NONE

9. Well Site Layout -depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1" = 50'.

All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR § 3162.6.

Access to the well pad will be from: North from county road - cross country

The blooie line will be located: in pit
_____, at least 100 feet from the well head.

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: _____

Directed into dirt tank.

10. Plans for Restoration of the Surface:

The top _____ inches of topsoil material will be removed from the location and stockpiled separately on: next to location

Topsoil along the access road will be reserved in place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All road surfacing will be removed prior to the rehabilitation of roads.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

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

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 between OCT. 1 and DEC. 15, or 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: Winterfat 2# per acre
Four-wing saltbush 2# per acre

The abandonment marker will be one of the following, as specified by BLM:
1) at least four feet above ground level,
2) at restored ground level, or
3) below ground level.

In any case the marker shall be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

Additional requirements: _____

11. Surface and Mineral Ownership: Federal surface & minerals

12. Other Information:
a. Archeological Concerns: _____

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

13. Lessee's or Operator's Representative and Certification

Representative:

Name: WILLIAM G. BUSH

Title: LESSE & OPERATOR

Address: 619 VIEW POINT DR.
GRAND JUNCTION, COLORADO 81506

Phone No.: 970-243 - 0493 office
970-243 - 7075 home

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 currently exist; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by _____

and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under BLM bond no. _____. This statement is subject to the provisions of 18 U.S.C. § 1001 for the filing of a false statement.

CD 620791005

William G. Bush
Signature

Operator
Title

10-6-95
Date

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- b. Threatened and Endangered Species Concerns: NONE

- c. ~~Wildlife Seasonal Restrictions (yes/no):~~ _____

- d. Off Location Geophysical Testing: _____

- e. Drainage crossings that require additional State or Federal approval: _____
One wash crossing - nocut or fill.

- f. Other: _____

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report- 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 to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. 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. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the District Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomical is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined 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 a water analysis, if required, will be submitted to the District Office for approval pursuant Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office, within thirty (30) days following plugging and abandonment of the well. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. 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 Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify _____ of the _____ Resource Area, at _____ for the following:

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

1 day prior to spudding;

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

12 hours prior to reaching kickoff point depth (if applicable).

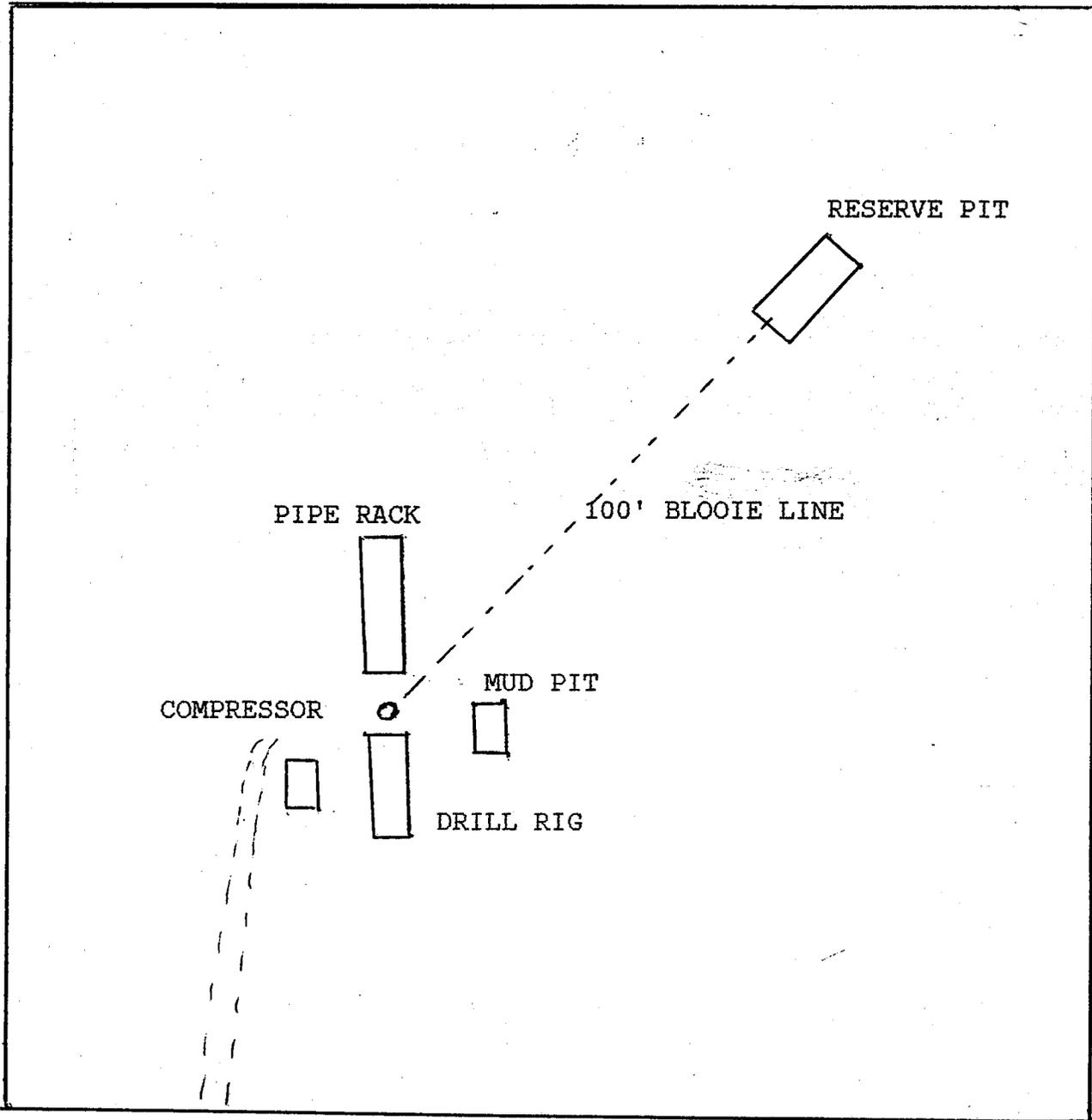
If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (801) 259-6111
Home: (801) 259-2214

WILLIAM G. BUSH
13-1
SECTION 13, T.18 S; R. 24 E.
GRAND COUNTY UTAH
1975 SNL & 664 EWL
EL. 4931



200'

SCALE 1" = 30'

POP SYSTEM

HEAD

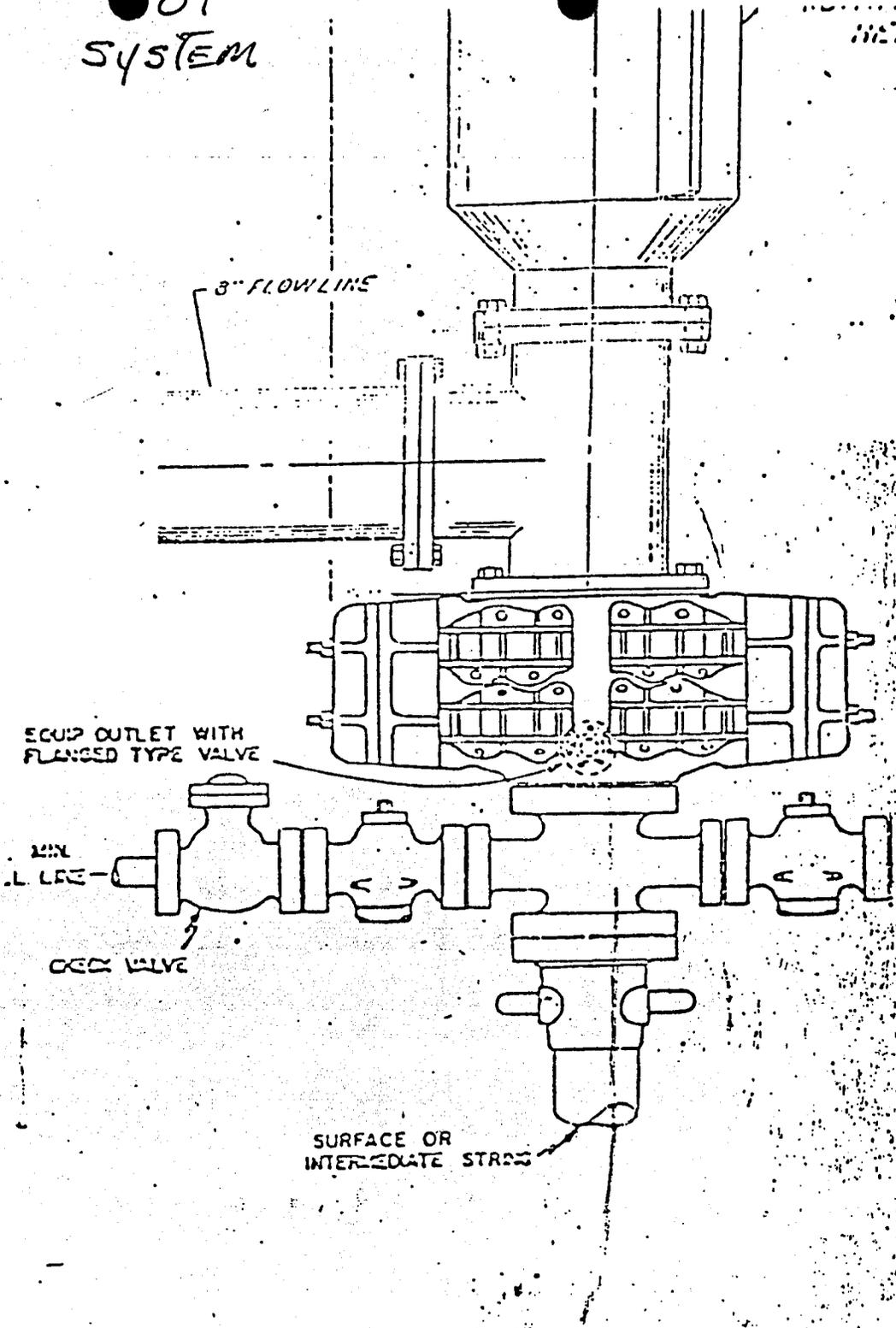
3" FLOWLINE

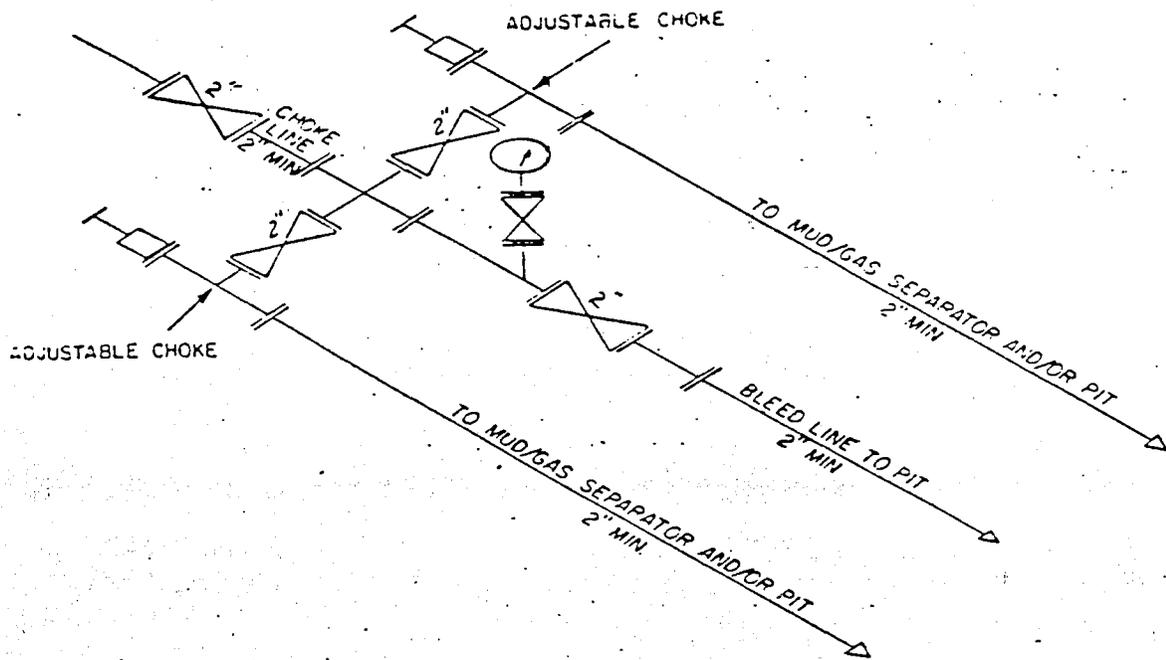
EQUIP OUTLET WITH
FLANGED TYPE VALVE

MIN
L. LFE

DECK VALVE

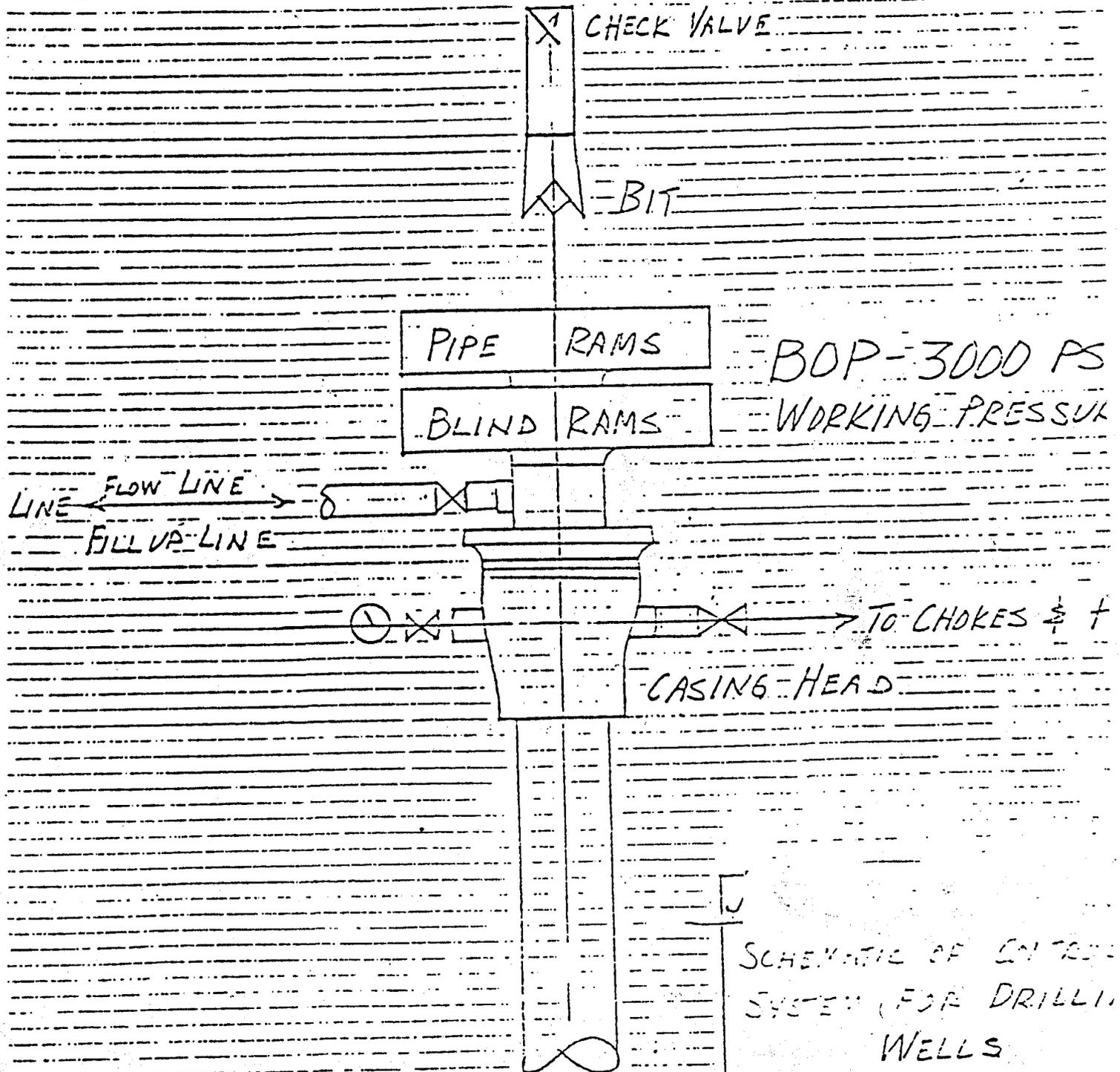
SURFACE OR
INTERMEDIATE STAGE





2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

WILLIAM G. BUSH
Gov't Bush - 13-1
SW NW Sec. 13 T18S, R24E
Grand County, Utah



SCHEMATIC OF CONTROL SYSTEM (FOR DRILLING WELLS)

EXHIBIT "C"



Investment Deposit Agreement (Book Entry)

NORWEST BANK GRAND JUNCTION-DOWNTOWN, N.A.
INVESTMENT

10/05/95 11:22:36

DEPARTMENT OF THE INTERIOR	ACCOUNT NO	620791005
BLM AND WILLIAM G BUSH	FACE AMOUNT	10,000.00
619 VIEWPOINT DR	MATURITY -	
GRAND JUNCTION CO 81506-8222	DATE	10/05/1998
	TERM	36 MONTHS
	INTEREST -	
HOME 970-243-7076	ANNUAL PERCENTAGE	
BUSINESS 000-000-0000	YIELD	5.76
SOC SEC NO 494-16-1937	RATE	5.61
	FREQUENCY	12 MONTHS
ISSUE DATE 10/05/1995	DAY BASE YEAR	365/366
AUTO RENEWAL AUTO RENEW	METHOD	COMPOUND
WITHHOLDING NO	DISPOSITION	COMPOUND
MARKET CODE 655	DISPOSITION NO	NA
FOD		
OPENED BY NORMA HUGHES		

****I have assigned my right to the Department of the Interior - BLM until they release my obligations*****

Norma B. Bush

The Internal Revenue Service (IRS) requires for interest paying accounts the following: the owner whose social security or taxpayer identification number appears above certifies, under penalty of perjury, that (1) the owner's social security or taxpayer identification number is correct, or the issuance of a social security number or a taxpayer identification number has been applied for, (2) the owner has received a copy of the instructions contained in IRS Form W-9 (incorporated herein by reference), and (check one);

that such owner is not subject to backup income tax withholding either because such owner is exempt or because no notice has been given that backup withholding is required due to failure to report all interest or dividends, or because the Internal Revenue Service has given notice that backup withholding is no longer required; or

that such owner is subject to backup withholding.

Authorized Signatures:

Norma B. Bush

Signature of Depositor

Signature of Depositor

Signature of Depositor
Received By:
Norma B. Bush 10-5-95
Authorized Agent
PBO

The Terms on the Reverse Side are Part of this Agreement

Thank you for investing your funds at Norwest Banks

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bond Number

OIL AND GAS OR GEOTHERMAL LEASE BOND

Act of February 25, 1920 (30 U.S.C. 181 et seq.)
Act of August 7, 1947 (30 U.S.C. 351-359)
Department of the Interior Appropriations Act, FY 1981 (42 U.S.C. 6508)
Act of December 24, 1970 (30 U.S.C. 1001-1025)
Other Oil and Gas and Geothermal Leasing Authorities as Applicable

Lease Serial Number (For Individual Bond Only)

UTU-73742

CHECK ONE: OIL AND GAS GEOTHERMAL RESOURCES

CHECK ONE:
 SURETY BOND

KNOW ALL BY THESE PRESENTS, THAT _____ (name)

of _____ (address)

as principal, and _____ (name)

of _____ (address), as surety,

are held and firmly bound unto the United States of America in the sum of _____ dollars (\$ _____),

lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond.

PERSONAL BOND

KNOW ALL BY THESE PRESENTS, That William G. Bush (name)

of 619 Viewpoint Dr - Grand Jct, Co 81506 (address), as principal, is held and firmly

bound unto the United States of America in the sum of Ten Thousand Dollars dollars (\$ \$10,000.00), lawful money of the United States which sum may be

increased or decreased by a rider hereto executed in the same manner as this bond.

The principal, in order to more fully secure the United States in the payment of the aforesaid sum, hereby pledges as security therefore United States negotiable securities of a par value equal to the amount specified. The principal, pursuant to the authority conferred by Section 1 of the Act of September 13, 1982 (31 U.S.C. 9303), does hereby constitute and appoint the Secretary of the Interior to act as his attorney. The interest accruing on the United States securities deposited, in the absence of any default in the performance of any of the conditions, or stipulations set forth in this bond and the instrument(s) granting rights and interests in Federal lands, must be paid to the principal. The principal hereby for himself/herself, any heirs, executors, administrators, successors, and assigns, joint and severally, ratifies and confirms whatever the Secretary shall do by virtue of these presents.

The principal/surety shall apply this bond or the Secretary shall transfer this deposit as security for the faithful performance of any and all of the conditions and stipulations as set forth in this bond and the instruments granting rights and interests in Federal lands. In the case of any default in the performance of the conditions and stipulations of such undertaking, it is agreed that: (1) for a Surety Bond, the surety/principal shall apply the bond or any portion thereof; (2) for a Personal Bond, the Secretary shall have full power to assign, appropriate, apply or transfer the deposit or any portion thereof, to the satisfaction of any damages, assessments, late payment charges, penalties, or deficiencies arising by reason of such default.

This bond is required for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas and geothermal deposits to the United States; (3) any lessee, permittee, or contractor, under a lease, permit, or resource sale contract issued, or to be issued, by the United States covering the same land subject to this bond, covering the use of the surface or the prospecting for, or the development of other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves and each of our heirs, executors, administrators, successors, and assigns, jointly and severally.

This bond shall cover all surface disturbing activities related to drilling operations on a Federal leasehold(s) in accordance with authorization(s) granted under the Acts cited above for:

CHECK ONE:

- NATIONWIDE BOND — Operations conducted by or on behalf of the principal(s) or on the leasehold(s) of the principal(s) in the United States including the National Petroleum Reserve in Alaska (NPR-A) when a rider sufficient to bring the amount in conformance with 43 CFR 3134 is provided, and provided a rider is obtained, also coverage of multiple exploration operations.
- STATEWIDE BOND — Operations conducted by or on behalf of the principal(s) or on the leasehold(s) of the principal(s), except the NPR-A, and, provided a rider is obtained, also coverage of multiple exploration operations within the single state of _____.
- INDIVIDUAL BOND — Operations conducted by or on behalf of the principal or on the leasehold of the principal on the single lease identified by the serial number above.
- NATIONAL PETROLEUM RESERVE IN ALASKA (NPR-A) BOND — This bond shall cover:
 - NPR-A LEASE BOND — The terms and conditions of a single lease.
 - NPR-A WIDE BOND — The terms and conditions of all leases, and provided a rider is obtained, coverage of multiple exploration operations.

AMENDED FORM
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OFFER TO LEASE AND LEASE FOR OIL AND GAS

Serial No.

UTU-73742

The undersigned (reverse) offers to lease all or any of the lands in Item 2 that are available for lease pursuant to the Mineral Leasing Act of 1920, as amended and supplemented (30 U.S.C. 181 et seq.), the Mineral Leasing Act for Acquired Lands of 1947, as amended (30 U.S.C. 351-359), the Attorney General's Opinion of April 2, 1941 (40 Op. Atty. Gen. 41), or the

READ INSTRUCTIONS BEFORE COMPLETING

1. Name WILLIAM G. BUSH
Street 619 Viewpoint Drive
City, State, Zip Code Grand Junction, CO 81506

2. This application/offer/lease is for: (Check only One) PUBLIC DOMAIN LANDS ACQUIRED LANDS (percent U.S. interest _____)

Surface managing agency if other than BLM: _____ Unit/Project _____

Legal description of land requested: _____ *Parcel No.: _____ *Sale Date (m/d/y): 12 / 6 / 94

*SEE ITEM 2 IN INSTRUCTIONS BELOW PRIOR TO COMPLETING PARCEL NUMBER AND SALE DATE.

T. 17S R. 24E Meridian SLM State Utah County Grand

Section 13, N1/2 = 320 ac
Section 14 E1/2 & SW1/4 = 480 ac
800

Amount remitted: Filing fee \$ 75

Rental fee \$ 1200

Total acres applied for 800
Total \$ 1275

DO NOT WRITE BELOW THIS LINE

3. Land included in lease:

T. R. Meridian State County

This lease embraces the land, acreage,
and rental described in Item 2.

Total acres in lease _____

Rental retained \$ _____

This lease is issued granting the exclusive right to drill for, mine, extract, remove and dispose of all the oil and gas (except helium) in the lands described in Item 3 together with the right to build and maintain necessary improvements thereupon for the term indicated below, subject to renewal or extension in accordance with the appropriate leasing authority. Rights granted are subject to applicable laws, the terms, conditions, and attached stipulations of this lease, the Secretary of the Interior's regulations and formal orders in effect as of lease issuance, and to regulations and formal orders hereafter promulgated when not inconsistent with lease rights granted or specific provisions of this lease.

NOTE: This lease is issued to the high bidder pursuant to his/her duly executed bid or nomination form submitted under 43 CFR 3120 and is subject to the provisions of that bid or nomination and those specified on this form.

Type and primary term of lease:

Noncompetitive lease (ten years)

Competitive lease (ten years)

Other _____

THE UNITED STATES OF AMERICA

by [Signature]
Chief, Minerals (Signing Officer)

Adjudication Section JAN 10 1995

(Title) FEB 1 1995 (Date)

EFFECTIVE DATE OF LEASE

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/10/95

API NO. ASSIGNED: 43-019-31358

WELL NAME: FEDERAL 13-1
 OPERATOR: WILLIAM G. BUSH (N0160)

PROPOSED LOCATION:
 SWNW 13 - T18S - R24E
 SURFACE: 1975-FNL-0664-FWL
 BOTTOM: 1975-FNL-0664-FWL
 GRAND COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED
 LEASE NUMBER: UTU - 73742

PROPOSED PRODUCING FORMATION: MR-SW

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal State Fee
 (Number CD 620791005)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
 (Number WILL OBTAIN)
N RDCC Review (Y/N)
 (Date: _____)

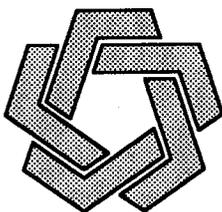
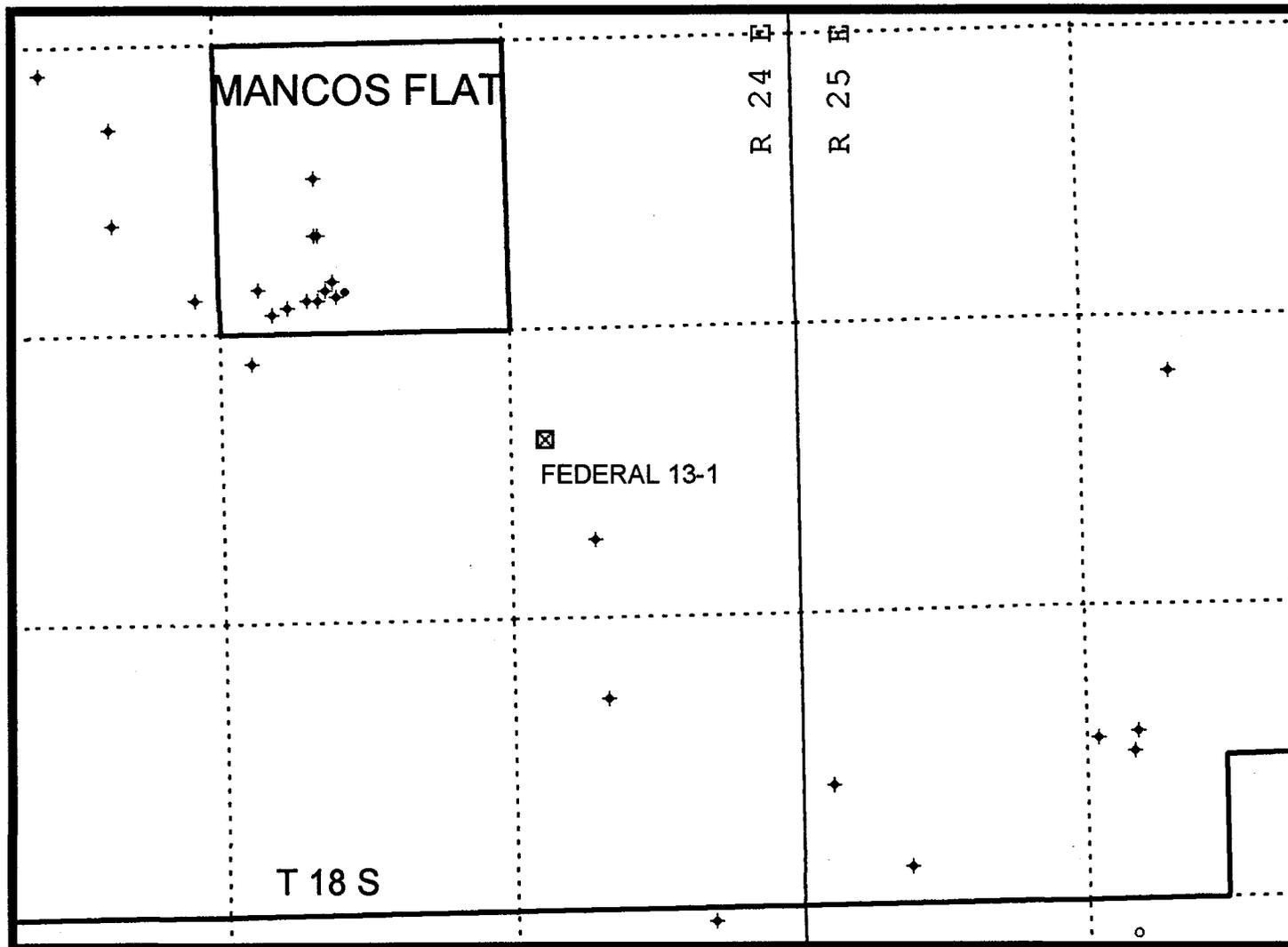
LOCATION AND SITING:

___ R649-2-3. Unit: _____
 R649-3-2. General.
 ___ R649-3-3. Exception.
 ___ Drilling Unit.
 ___ Board Cause no: _____
 ___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

WILLIAM G. BUSH
FEDERAL 13-1
SEC. 13, T18S, R24E
GRAND COUNTY, STATE SPACING



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

DATE: 10/11/95

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 03 1995
SUBMIT BY TELEPHONE
(See instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

DIV. OF OIL, GAS & MINING

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 WILLIAM G. BUSH

3. ADDRESS AND TELEPHONE NO.
 619 VIEW POINT DR. GRAND JUNCTION, CO. 81506

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 Sec. 13, T. 18 S; R. 24 E. 1975 SNL & 664 EWL
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 30 miles west of Mack CO.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 665'

16. NO. OF ACRES IN LEASE 800

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

5. LEASE DESIGNATION AND SERIAL NO.
 UTU- 73742

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
 13-1

9. API WELL NO.
 FEDERAL

10. ~~WILDCAT~~ WILDCAT
 NORTH HARLEY DOME

11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA
 Sec. 13, T. 18 S.; R. 24 E.

12. COUNTY OR PARISH GRAND,

13. STATE UTAH

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

CONDITIONS OF APPROVAL ATTACHED

TO OPERATOR'S COPY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 William G. Bush TITLE Operator DATE 10-6-95
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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.
 CONDITIONS OF APPROVAL, IF ANY:

/S/ WILLIAM C. STRINGER

Associate District Manager

OCT 30 1995

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

GLD B.C.

N89°51'26"E

GLD B.C.

2639.63'

N00°00'00"E

2630.03'



BUSH 13-1
1975 SNL
664 EWL
ELEV. 4931

GLD B.C.

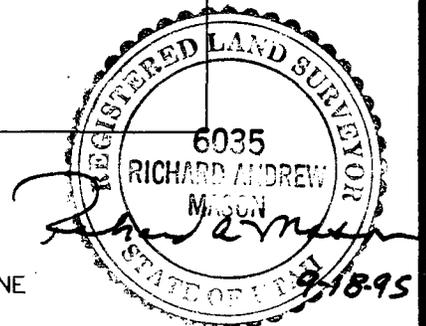
SEC. 13



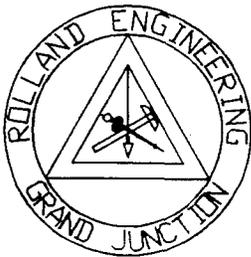
SCALE 1" = 1000'

BUSH 13-1

LOCATED SOUTH 1975 FEET FROM THE NORTH LINE
AND EAST 664 FEET FROM THE WEST LINE OF
SECTION 13, T18S, R24E, SLBM



REV. LSA # 163154



ROLLAND ENGINEERING
405 Ridges Blvd
Grand Jct, CO 81503
(970) 243-8300

BUSH 13-1
NW1/4 S.13
T18S R24E SLBM
GRAND COUNTY, UTAH

Designed	Checked RAM		Sheet 1
Drawn	Date 9-14-95		Of 1

William G. Bush
Federal 13-1
Lease U-73742
North Harley Dome
SW/NW Section 13, T18S, R24E
Grand County, Utah

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.

Be advised that William G. Bush is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT 0756 (Principal - William G. Bush) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

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

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. One of the two BOPE schematics submitted with the application shows the fill-up line below the BOP rams. The fill-up line must be above the preventers.
2. The air drilling requirements as specified in Onshore Oil and Gas Order No. 2 shall be followed. This order requires a rotating head, a float valve above the bit, deduster equipment, an auto igniter system, etc.
3. The cement volume behind the production casing shall be increased by 20% to insure adequate isolation of the Dakota Sandstone.
4. In lieu of electric logs, the operator shall submit a copy of the sample log with the completion report.

B. SURFACE USE PLAN

1. No drilling operations will be authorized between April 15 and July 1, unless additional raptor surveys are completed prior to conducting operations to identify and avoid raptor nesting sites within 1/2 mile of the proposed action. Any peregrine falcon nesting areas identified within the project area will be avoided by 1 mile. These limitations do not apply to maintenance and operation of existing wells.
2. Vegetation and topsoil will be stockpiled next to the well site.
3. The well pad and access route will be constructed and maintained to prevent soil erosion. Drainage control (waterbars, ditches, berms, crowning) will be provided as directed by the authorized officer.
4. The mud pit and blooie/reserve pit will not be lined.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report- 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 to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. 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. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined 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 the required water analysis, will be submitted to the District Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. 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 Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure at (801) 259-2127 or Jack Johnson at (801) 259-2129 for the following activities:

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

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOPE.

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer	Office: (801) 259-2117
	Home: (801) 259-2214
Gary Torres, Petroleum Engineer	Office: (801) 587-2141
	Home: (801) 587-2705



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 7, 1995

William G. Bush
619 View Point Drive
Grand Junction, Colorado 81506

Re: Federal 13-1 Well, 1975' FNL, 664' FWL, SW NW, Sec. 13, T. 18 S., R. 24 E.,
Grand County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31358.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WAPD



Operator: William G. Bush
Well Name & Number: Federal 13-1
API Number: 43-019-31358
Lease: Federal UTU-73742
Location: SW NW Sec. 13 T. 18 S. R. 24 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: WILLIAM BUSH

Well Name: FEDERAL 13-1

Api No. 43-019-31358

Section 13 Township 18S Range 24E County GRAND

Drilling Contractor _____

Rig #: _____

SPUDDED:

Date: 4/8/96

Time: _____

How: ROTARY

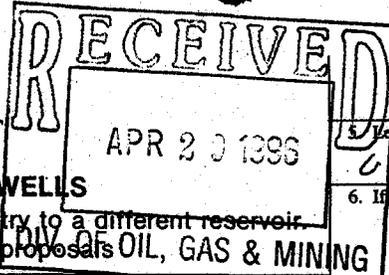
Drilling will commence: _____

Reported by: BILL BUSH

Telephone #: _____

Date: 4/3/96 Signed: JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.

UPT 73742

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other *Day Hole*

2. Name of Operator

William G. Bush

3. Address and Telephone No.

619 Viewpoint Dr. Grand Junction, Co. 81506

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

*SW1NW Sec. 13
T19S
R22E*

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FEDERAL 13-1

9. API Well No.

43-019-31358

10. Field and Pool, or Exploratory Area

WILCOX

11. County or Parish, State

Grand County UT.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

I plugged this well by setting a plug from 1630' to 1750' using 26 sacks of cement. A plug was set from 110' to 210' using 21 sacks - a plug was set from surface to 50ft using 10 sacks & setting a day hole marker in the surface casing. Heavy mud was pumped between plugs.

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

Signed *William G. Bush* Title *Operator* Date *4/22/96*

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
MAY 02 1993
SUBMITTED IN DUPLICATE
Instructions on reverse side

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RENVR. Other

2. NAME OF OPERATOR
William G. Bush

3. ADDRESS OF OPERATOR
619 View Point Dr. Grand Junction, CO. 81506

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface SWNW SEC 13, T18S, R24E
 At top prod. interval reported below 1975 from North
 At total depth 1900 664 from West

5. LEASE DESIGNATION AND SERIAL NO.
UT-73742

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
13-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 13, T18S, R24E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO. 93-019-21358 DATE ISSUED 10-30-95
 15. DATE SPUDDED 4-3-96 16. DATE T.D. REACHED 4-15-96 17. DATE COMPL. (Ready to prod.) 4-17-96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* Peak perfor. 4931 GR. 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1900' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPLET. HOW MANY 23. INTERVALS DRILLED BY Rotary 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 Gamma Ray (1775-650) Resistivity (1860-1500) 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
<u>7"</u>	<u>20</u>	<u>167</u>	<u>8 3/8</u>	<u>To surface with 38 sacks</u>	

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number) 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)

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 William G. Bush TITLE Operator DATE 4-29-96

*(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
Manco shale	0	1708	Gray Marine shale	Dakota silt	1612	
Dakota	1708	1900	Sandstone, Fine-Med grain Carbonaceous shale & coal	Dakota	1708	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
UTU - 73742

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

13-1 Federal

2. Name of Operator

William G. Bush

9. API Well No.

43-019-31358

3. Address and Telephone No.

619 VIEWPOINT DR. Grand Junction, CO 81506

10. Field and Pool, or Exploratory Area

North Harley Dome

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

*T.18S, R.24E.
SEC 13 1975 SML & 664 EWL*

11. County or Parish, State

Grand, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

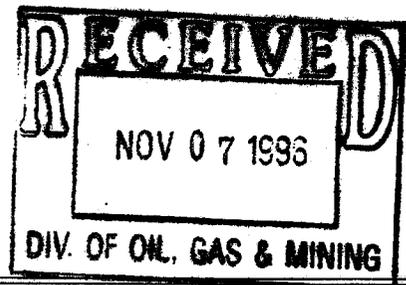
TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other *Reclamation*
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

13. 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.)*

DISK area. Then seeded with 2 pounds of winter fat & 2 pounds of 4-wing saltbush, also DISK from location to County Road.



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

Signed *William G. Bush*

Title *Operator*

Date *10-25-96*

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____