

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BWAB INCORPORATED

3. ADDRESS OF OPERATOR

1801 California St., Suite 1000, Denver, CO 80202

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

At surface

477 FEL & 552 FSL

At proposed prod. zone

Same



00251340

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

11 miles NE of Craig, CO

15. DISTANCE FROM PROPOSED*

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

477'

16. NO. OF ACRES IN LEASE

2,162.18 ac

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 ac

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

None

19. PROPOSED DEPTH

1,850'

20. ROTARY OR CABLE TOOLS

Rotary

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

GL 6929'

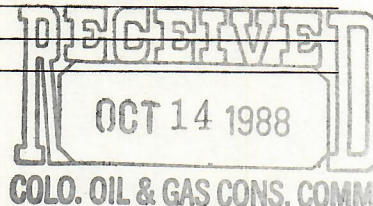
22. APPROX. DATE WORK WILL START*

November 16, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24 & 32#	216'	200
7-7/8"	4-1/2"	11.6#	1850'	175



1. Notify BLM of intention to spud 48 hours in advance.
2. Drill to 216 feet and set 8-5/8" casing.
3. Drill to 1850 feet to test the productive potential of the Lower Lewis Sand.
4. Drill stem test if appropriate.
5. Run 4-1/2" production casing or plug and abandon as appropriate.

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

John R. Keller

TITLE

Drilling & Production Mgr.

DATE

10/13/88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

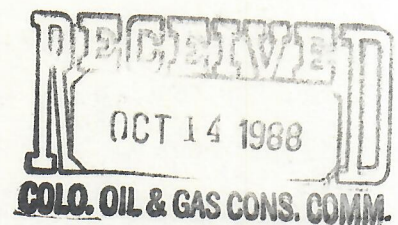
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side



PROPOSED DRILLING PLAN AND CONDITIONS
FOR DRILLING PERMIT APPROVAL

OPERATOR: BWAB Incorporated

WELL NAME: Federal 6-44

LOCATION: 552 FSL and 477 FEL
SESE, Section 6, T7N, R92W
Moffat County, Colorado
Lease No. - Yet to be Assigned

All lease and well operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), 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 to the field representative to ensure compliance.

1. Surface Formation and Estimated Formation Tops:

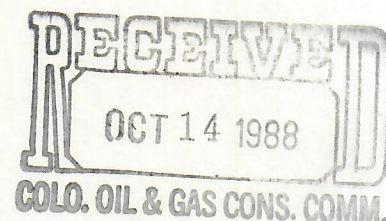
Formation	Depth
Fort Union	Surface
Lewis	865'
Lewis Shale/Sand Sequence	1050'
Total Depth	1850'

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

	Formation	Anticipated Depth
Expected oil and associated gas zones:	None	---
Expected gas zones:	Lewis Shale/Sand	1050'
Expected mineral zones:	None	---
Expected fresh water zones:	Fort Union	0'-150'
Possible salt water flows:	None	---
Possible lost circulation:	Lower Lance	861'
	Lewis	1250'

All fresh water intervals will be cased off and cemented in a manner that will protect all fresh water aquifers.



3. Pressure Control Equipment:

The BOP stack will consist of a double ram hydraulically actuated BOP with a working pressure rating of 3,000 psi. An annular BOP or rotating head will not be used.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted using the riser pump before drilling out from under all casing strings which are set and cemented in place. Blowout preventor 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 pipe rams operated, at least daily, to ensure good mechanical working order. This inspection will be recorded on the daily drilling report. Function of blind rams will be tested on trips. The Little Snake Resource Area will be notified one (1) day before pressure testing of the surface shoe and BOP. The BOP stack will be tested using a test packer prior to drilling the Ismay Formation.

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4. Casing Program and Auxiliary Equipment:

Casing Size	Weight	Type	Setting Depth	TDC
8-5/8"	24# or 32#	Jork-55	216'	Surface
4-1/2"	11.6#	Jork-55	1,850'	700'

No special drilling equipment is expected to be necessary.

5. Mud Program and Circulating Medium:

Hole Size	Interval	Type	Additives	Weight	Vis.	WL
12-1/4"	0 - 216	FWG	Lime/ASP700 Sweeps	10.0	35-40	NC
7-7/8"	216-1850	FWG	Polymer/ASP700/LCM	8.7-9.3	35-45	8-10

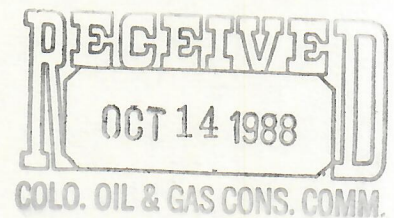
6. Coring, Logging and Testing Program:

No coring is anticipated.

Standard mechanical packer drill stem tests may be run in the Lewis Sand if warranted.

A full GR-LNL-FDC and GR-DIL will be run across the Lewis Sand/Shale intervals. A GR-DIL will be run from the base of the surface casing.

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 thirty (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 analysis, 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. If requested, prior to the commencement of drilling operations, samples (cuttings, fluids, and/or gases) will be submitted to the District Manager.

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

Abnormal pressure is not anticipated in the prospective pay intervals.

Lost circulation is possible in the Lower Lance at approximately 850 feet, and Lewis at 1,250 feet. No other problems are expected.

Hydrogen sulfide gas is not anticipated.

Bottom hole pressure in the area is believed to be 848 psi or less based on DST data from the Nor Am Exploration 1-19 Peroulis well in Section 19 of Township 8 North, Range 92 West, Moffat County, Colorado. A copy of the test is attached.

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8. Anticipated Starting Dates and Notifications of Operations:

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The Operator will contact the Little Snake Resource Area at 303-864-4441, forty-eight (48) hours before beginning any dirt work.

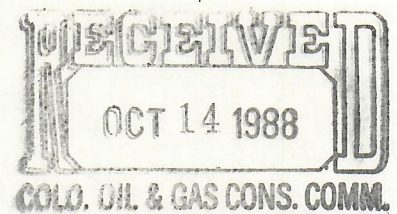
No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained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

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

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 begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, 455 Emerson Street, Craig, Colorado 81625.

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

If a riser of a type uncommon to the area is utilized for drilling or completion, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement riser. In emergencies, verbal approval can be given by the District Petroleum Engineer.



If the well is successfully completed for production, the the District Manager will be notified when the well is placed in a producing status. Such notification will be through the filing of a Completion Report following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager, 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.

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 Little Snake Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed thirty (30) days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed. Well number, location by 1/4 1/4 section, township and range, Lease number. The type of marker to be utilized will be selected by the BLM after abandonment.

The BLM will be contacted prior to performing the following actions so they may witness them if they so desire.

1. The cementing and testing of surface casing, testing BOP's.
2. (Dry Hole) Setting and testing of surface casing shoe plug.

Notify Ole Olsen at the Little Snake Resource Area twenty-four (24) hours prior to, or as soon as possible prior to the above at (303) 824-4441.

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PAGE 1

STATE : COLORADO
 COUNTY : MOFFAT
 FIELD : LAY CREEK
 CLASS : INITIAL - D FINAL - DG

OPERATOR: NOR AM EXPLORATION
 WELL: 1-19 PEROULIS
 API NO: 05-081-06214-00 00

TMP: BN AGE: 924
 SEC: 19
 SPOT: NW NW
 FOOTAGE: 660 FNL 641 FNL
 FULL SECTION

FINAL STATUS: GAS
 CONTRACTOR: DRIELING

SPUD: 02/09/1974

COMP: 03/25/1974

GROUND ELEV: 6733 GR
 REF. ELEV: 6743 KB

TD: DTD 4151
 LTD 4148
 PS 3978
 FM TD MESAVERDE

CASING: 13 3/8 @ 322 4 1/2 @ 4147 W/ 175

INITIAL POTENTIAL: IPF 921 MCFD 40 BW
 MESAVERDE PERF W/ 2/FT 3856-3868
 TP 250 CP 400

TOPS: FORMATION DEPTH SUBSEA

LOG	FORT UNION	692	6051
LOG	LANCE	1816	4927
LOG	FOX HILLS	2160	4583
LOG	LEWIS /SD/	2779	3964
LOG	MESAVERDE	3854	2889

FORMATION TESTS: DST 01 2147-2208 LANCE
 REC 187 FT MUD 539 FT MUDWTR
 INIT OP 0 H 07 M IFF 107 FFP 226
 30 M IFF 246 FFP 333
 ISIP 848 1 H 10 M FSIP 802 1 H 20 M IHP 1045 FHP 1028

DST 02 3855-3874 MESAVERDE S
 GAS TS IN 09 M AT 1850 MCFD
 REC 15 FT MUD 2 CFT GAS
 INIT OP 0 H 05 M IFF 143 FFP 248
 55 M IFF 191 FFP 343
 ISIP 1546 30 M FSIP 1536 1 H IHP 2051 FHP 2051

DST 03 3930-4010 MESAVERDE S
 GAS TS IN 03 M AT 29 MCFD
 REC 306 FT GCM 3181 FT WTR
 INIT OP 0 H 03 M IFF 251 FFP 257 STRONG BLOW
 FINAL OP 1 H 15 M IFF 350 FFP 1549
 ISIP 1591 1 H FSIP 1601 3 H IHP 2133 FHP 2133

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CONTINUED PAGE 2

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 COUNTY : MOFFAT
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OPERATOR: NOR AM EXPLORATION
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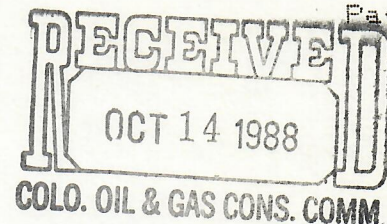
TMP: BN AGE: 924
 SEC: 19
 SPOT: NW NW
 FOOTAGE: 660 FNL 641 FNL
 FULL SECTION

FINAL STATUS: GAS
 CONTRACTOR: DRIELING

PRODUCTION TESTS: PT 01 PTS 30 BW 3 HRS
 MESAVERDE PERF 3996-4000

PT 02 PTF 960 MCFD 1 BW
 MESAVERDE PERF W/ 2/FT 3856-3868
 TP 240 CP 600

RECEIVED
 OCT 14 1988
 COLO. OIL & GAS CONS. COMM.



1. EXISTING ROAD

See attached Regional Map Exhibit "A" and Topographic Map Exhibit "B" for additional detail showing the access roads and surrounding terrain.

To reach the BWAB Incorporated Federal 6-44 drilling location in the SESE of Section 6, T7N-R92W, Moffat County, Colorado, follow the directions below.

The location is approximately 11 miles northwest of Crais, Colorado. Proceed west out of Crais on U.S. Highway 40 to its Junction with Moffat County Road 15. At the Road 15 intersection with U.S. Highway 40, there is a sign for the Sombrero Ranch located a short distance back on the north side of the road. From the intersection, turn north on Road 15 and go 2.9 miles to a gate in the fence as shown on the attached map. Follow primitive road as shown on the attached map northwest 3.0 miles to the location.

The U.S. highways mentioned above are black top surfaced roads and are maintained by the Colorado State road crews. The country roads are upgraded dirt and gravel roads maintained by Moffat County. The primitive exploration road mentioned above will be maintained by BWAB Incorporated.

The roads that are required for access during the drilling and completion phases of this project will be only maintained to the minimum standards necessary to allow vehicles to enter and leave the area. This will require some minor grader work at several points and filling of some minor washouts. Any work involving the county road will be coordinated with the Moffat County Road Department. Such work is not anticipated to be necessary.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for details of the routing of the access over private and federal lands near wellsite.

The access road over federal lands will be a 20' crown road (10' either side of the centerline) after improvement. The road will not be improved until after production is established. The route of the final access to be improved will be determined after production is established. It may be different than the drilling access. All of the drilling access road is existing primitive road. The 3.0 mile entry road utilizes existing primitive roadway, it is the wish of the landowner that the absolute minimum of improvement necessary be made to this exploration access. All of the non-primitive road access is Moffat County or State of Colorado maintained. Only 700-1000 feet of the access falls on Federal surface. Maximum width of the construction area of

disturbance will be 30%. Initial road construction will be limited to flat blading at a few points and filling of some minor washouts.

The grade along this new road varies but is less than 10% over the access.

Only 750-1000 feet of this road is on Federal surfaces; the majority of the road into the location is county or state maintained public roadway or existing access over private surface.

Culverts will be placed where necessary when the selected road access is improved after production is established. The BLM will be consulted on the proper placement of water bars, turnouts and culverts on the portion of the access on federal lands. For exploration purposes, only minimal improvements to the existing road will be made.

The Operator or his Contractor will contact the Natural Resource Specialist, Ole Olsen, of the Little Snake Resource Area Office in Craig, Colorado, phone (303) 824-4441, forty-eight (48) hours prior to beginning any work on public land.

The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work on federal lands.

If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the Operator that they will be subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

Minor improvement to the finally selected access route on federal lands will be necessary if production is established. The upgrading on the portion on federal lands will conform to the Class III road standards where required, and will be completed within sixty (60) days after production is established and flowline and battery installation is complete, if possible. Upgrading is to be delayed so that the finally upgraded road and battery area will not be disturbed or damaged by facility installation.

New road construction on federal lands after production is established will be in conformance to the Class III road standards after production is established where required. All roads on federal lands will be upgraded with drainage dips (water bars) and tail ditches as specified by the BLM representative from the Resource Area. The centerline of the road will be flagged prior to construction. Topsoil will not be saved along the access route on federal lands.

Surface disturbance and vehicular travel on federal lands will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location on federal lands without prior BLM approval as to the type of material used.

3. EXISTING WELLS

There is one dry hole located within a one-mile radius of the subject drilling location. This well is the Pan American Petroleum-USA Roland McLean No. 1, located approximately 660 feet from the South line and 660 from the East line of Section 6, Township 7 North, Range 92 West, Moffat County, Colorado. The subject well is a twin to this well.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no producing wells within a one-mile radius of the proposed location.

There are no pipelines within a one-mile radius of the location.

The area used to contain the proposed production facilities will be built using native materials. If these materials are not available or acceptable, then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities.

The exact site of the tank battery will be determined after the well is drilled, but current plans call for placing the tank battery facility on the location. If an alternative battery site is proposed, it will be located on the same federal lease at a remote site which would be on federal surface or a "special use permit" will be obtained. Any battery constructed will be built and operated in compliance with federal regulations. If the location of the battery is off the drillsite, approval will be obtained from BLM prior to any battery construction activity.

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a Desert Beise or such other color as the BLM shall direct to blend with surrounding vegetation. All facilities will be painted within six months of installation if weather permits. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

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

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 product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

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

If the battery is located on the wellsite, the gas meter runs for the 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. If the battery is located at a remote site, the gas meter will be located within 500 feet of the battery.

The oil and gas measurement facilities will be installed on the well location or at a remote site on federal land previously stated. The gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted in accordance with contract provisions. The BLM Area Manager 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 BLM Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

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

Drillings water will be obtained from private sources located on private lands. The water will be purchased from landowners.

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

The Colorado Water Resources Engineer will be notified to obtain appropriate water purchase or use approvals if the source is in Colorado.

Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site 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. The drillsite and part of the entry road is on BLM administered lands. The balance of the entry road is on private lands, and the rest is on county and state owned public right-of-ways across state, private and federal lands.

7. METHODS OF HANDLING WASTE DISPOSAL

See the attached Location Layout Sheet.

A reserve pit will be constructed to contain drilling cuttings, drilling water and drilling mud.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground. The pit will be located, as shown on the attached plat. It will be constructed in a manner necessary to prevent leakage.

The reserve pit will be used during the drilling of this well to store non-flammable materials such as cuttings, drilling fluids if needed, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with native clay or other suitable four mil plastic liner material. At this time, it is not expected a liner will be necessary. The BLM will be contacted prior to pit utilization to determine if a liner is necessary.

The pits will be surrounded by a four-strand barbed wire fence and over-head flassins will be installed to protect water fowl, wildlife and domestic animals if it is deemed necessary by the BLM or if significant oil accumulations exist on the pit. The pit will be fenced on three sides during drilling. The fourth side will be fenced as soon as the drilling rig moves out. The fence will be kept in good repair while the pit is drying. The pit will be allowed to dry completely prior to backfilling and other reclamation activities. Any water remaining in the reserve pit should be disposed of in an approved disposal facility.

When the reserve pit dries and reclamation activities commence, the pits will be covered with as much soil as is practical and all requirements in Item #10 will be followed. It is expected that reclamation can commence in the second fall after completion of the drilling operation.

All produced water, if any, will be disposed of according to NTL-2B requirements.

All garbage and other waste material will be contained in a trash basket made of small mesh wire, or a steep sided pit six feet deep covered with wire mesh. If it is not burned, all trash will be taken to the nearest sanitary landfill for disposal upon completion of the well. A burn permit will be obtained from the Moffat County Sheriff if burning occurs.

A portable chemical toilet will not be provided for human waste due to the short duration (3 days) of the drilling of the well.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See the attached Location Layout Sheet.

As previously 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 native clay and any other type of material necessary to make them safe and tight.

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

10. PLANS FOR RESTORATION OF SURFACE

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. The top 6" of topsoil will be retained for final reclamation of the location where such topsoil exists. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture and stockpiled on the North side of the location.

All above-ground production facilities will be painted with a flat, non-contrasting color, Desert Beige which is harmonious with the adjacent landscape, or such other color as stipulated by the BLM.

There is little topsoil on part of the location site, due to its nature. All top soil not necessary for location construction to a depth of 6" shall be stripped and stockpiled on the North or South side of the location where sufficient top soil is available to

salvage. (See location layout sheet). When all drilling and production activities have been completed, the location site will be reshaped to the original contour. All compacted portions of the location will be ripped to a depth of 6" except in rocky areas. Stockpiled topsoil will then be spread over the disturbed area. All disturbed areas will be cultivated to a depth of four inches.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible.

When restoration activities have been completed, the location site and a portion of the access ramp on federal lands shall be reseeded with a seed mixture recommended by the BLM Office when the moisture content of the soil is adequate for germination. The Lessee further agrees that all said clean-up and restoration activities shall be done and performed in a diligent and workman-like manner and in strict conformity with the above mentioned Items #7 and #10, and the Oil and Gas Surface Operating Standards Manual.

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operations. All trash will be burned or hauled to a local sanitary landfill.

The Operator or his Contractor will contact the Natural Resource Specialist, Ole Olsen, of the Little Snake Resource Area BLM office in Craig, Colorado, phone (303) 824-4441, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal, etc.) it contains must be removed from public lands.

All disturbed areas including berms and cuts will be recontoured to blend as nearly as possible with the surrounding area. The stockpiled topsoil will be evenly distributed over the disturbed area.

All disturbed areas will be scarified with the contour to a depth of 4". Do not smooth pads, leave a roughened surface.

Seed will be broadcast between September 1st and December 1st with the attached seed prescription. Seed may be drilled at half the rate of broadcast seeding. Seeding depth is to be 1/2". Seeding rates are in pounds of pure live seed per acre. Seed should be adapted varieties.

The reseeding mixture will be stipulated by the Resource Protection Specialist at the Little Snake Resource Area at the time the permit is granted, based on conditions prevalent at the site at that time.

Waterbars will be used on all sloping surfaces as shown below:

GRADE	SPACING
2%	200 feet spacing
2-4%	100 feet spacing
4-5%	75 feet spacing
+5%	50 feet spacing

Any noxious weeds which may be introduced due to soil disturbance and reclamation may be required to be treated at a future date.

11. SURFACE OWNERSHIP

Bureau of Land Management administered Federal Lands.

Mineral Ownership: Federal.

12. OTHER INFORMATION

The subject drillsite is located on an arid hilltop used primarily for stock grazing in Moffat County, Colorado. There are no unusual plants or endangered animals known to be in the area, and the local ecosystem is not expected to be significantly impacted by this work. The area has experienced drilling and oil and gas exploration activity in the immediate area in past years. The proposed activity will not make the area unsuitable for its current use.

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. 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.

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.

The contact with the BLM Little Snake Resource Area Office is Ole Olsen, phone: (303) 824-4441, address: 1280 Industrial Avenue, Craig, Colorado 81625.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE

BWAB INCORPORATED
1801 California Street
Suite 1000
Denver, CO 80202


Mr. John R. Keller
(303) 295-7444
(303) 755-6181 (Home)

14. CERTIFICATION

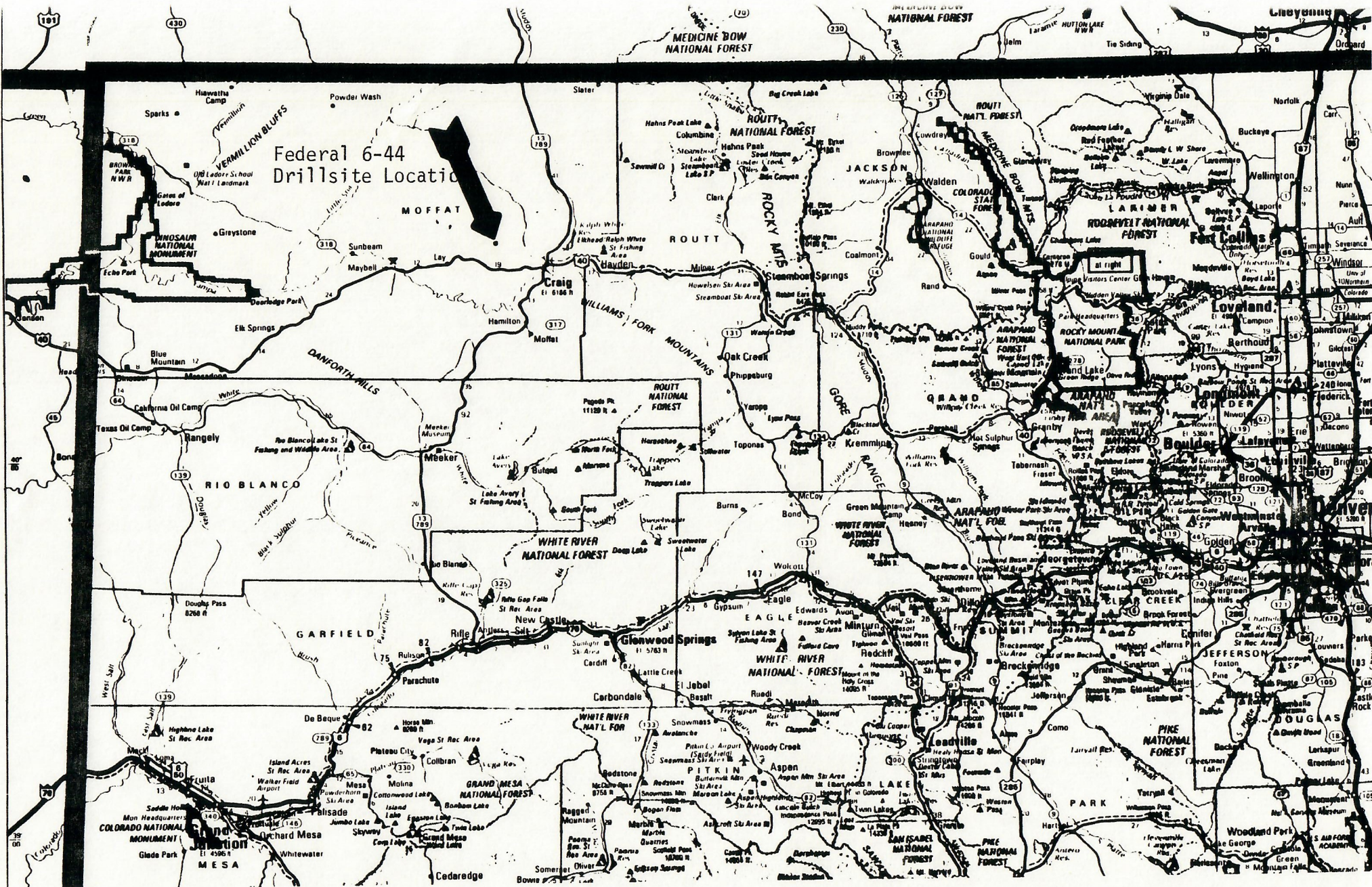
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by BWAB INCORPORATED and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 13, 1988

Date



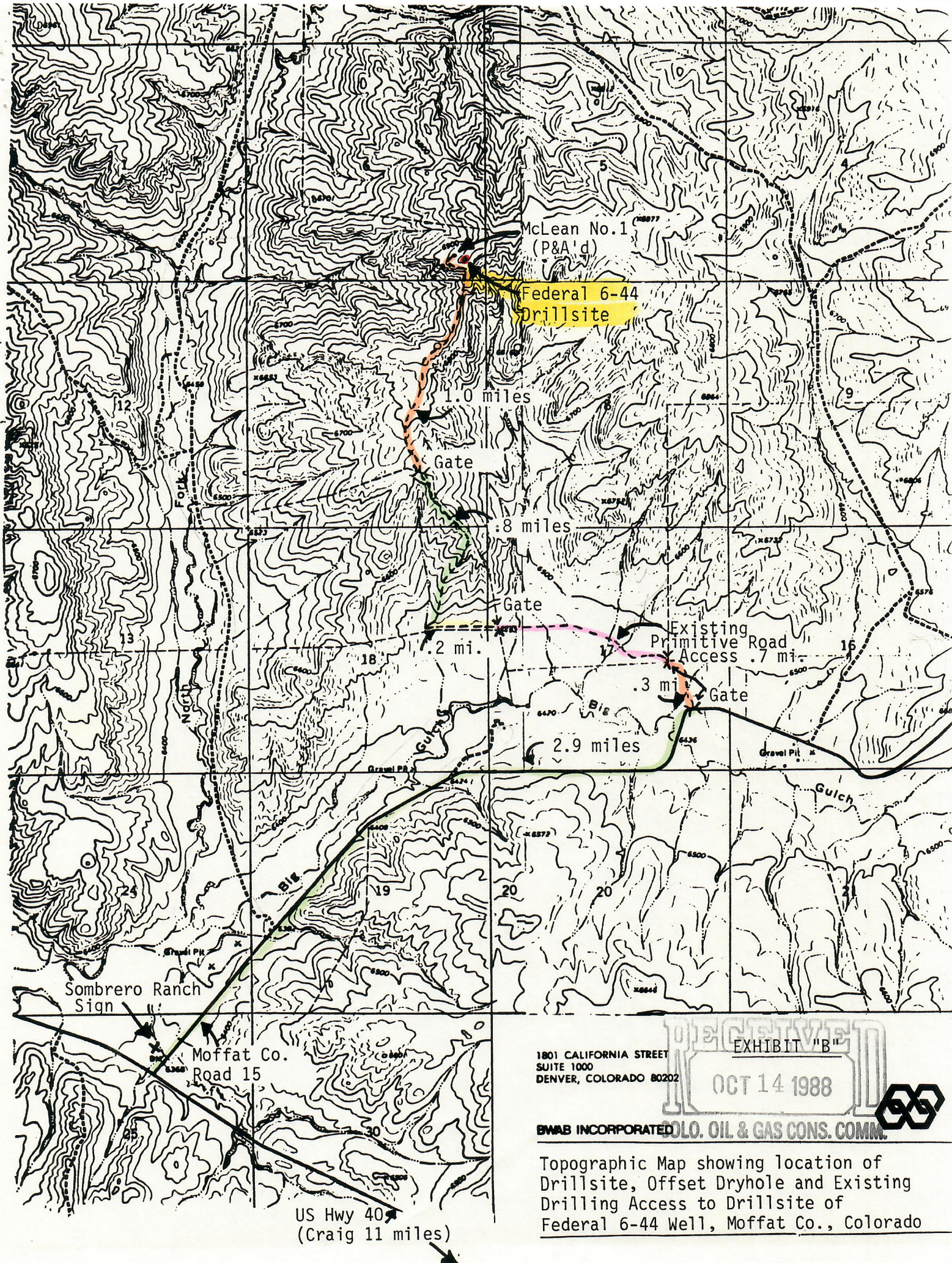
John R. Keller
Production Superintendent
BWAB Incorporated



Regional Map Showing General Location of Federal 6-44 Drillsite in Moffat County, Colorado

RECEIVED
OCT 14 1988
COLO. OIL & GAS CONS. COMM

EXHIBIT "A"



1801 CALIFORNIA STREET
SUITE 1000
DENVER, COLORADO 80202

EXHIBIT "B"

OCT 14 1988

BWAB INCORPORATED COLO. OIL & GAS CONS. COMM.

Topographic Map showing location of Drillsite, Offset Dryhole and Existing Drilling Access to Drillsite of Federal 6-44 Well, Moffat Co., Colorado

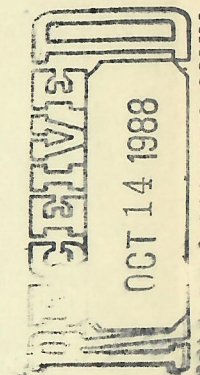
T7N, R92W, 6th P.M.

B.W.A.B., INC.

Well location, FEDERAL 6-44 EAST
ALTERNATE #1, located as shown in the
SE 1/4 SE 1/4 of Section 6, T7N, R92W,
6th P.M. Moffat County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION ON A HILL TOP IN THE SW 1/4
NW 1/4 OF SECTION 8, T7N, R92W, 6th P.M. TAKEN
FROM THE LAY SE QUADRANGLE, COLORADO,
MOFFAT COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC
MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT
OF THE INTERIOR, GEOLOGICAL SURVEY. SAID
ELEVATION IS MARKED AS BEING 6816 FEET.



CERTIFICATE

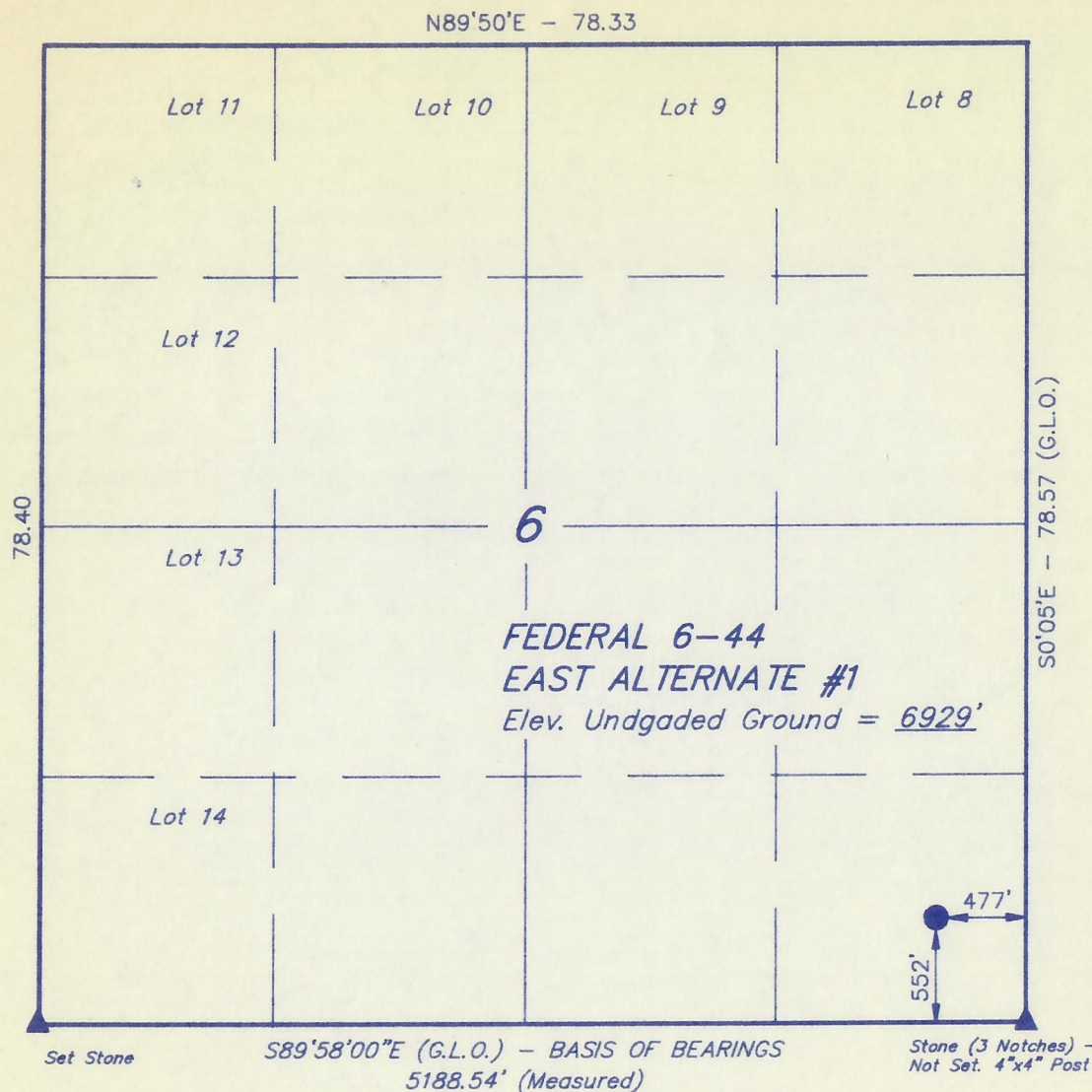
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5839
STATE OF COLORADO

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10-5-88
PARTY L.D.T. D.A. J.R.S.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE B.W.A.B., INC.



▲ = SECTION CORNERS LOCATED.

NOTE:
A DRY HOLE MARKER BEARS N53°32'02"W - 216.0'
FROM THE WELL LOCATION.