

Jack R. Curtsinger
PETROLEUM ENGINEER

570 Kennecott Building
Salt Lake City, Utah 84133
(801) 364-6217

August 9, 1979



U. S. Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Gentlemen:

Enclosed please find Applications for Permit to Drill submitted by Constitution Petroleum Co. on the following locations:

1. Federal 10-1
2. Federal 13-2
3. Federal 24-3

Please advise should you require further information in this matter.

Needless to say, we hope for the earliest possible date for permission to drill.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J. R. Curtsinger".

J. R. Curtsinger
lr

Encls.

cc: State of Utah w/enclosures ✓
Constitution Petroleum Co. w/enclosures
Spanallen Mining Co. w/ enclosures
Gil V Dye w/enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

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 Wildcat SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 WILLARD PEASE OIL & GAS CO.

3. ADDRESS OF OPERATOR
 570 Kennecott Building, Salt Lake City, Utah 84133

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 1766' E of WL and 1453' S of NL, Sec 24, T18S, R24E
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 10 mi NE Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	1453'	16. NO. OF ACRES IN LEASE	640	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	3000'	20. ROTARY OR CABLE TOOLS	Rotary
--	------	--------------------	-------	---------------------------	--------

21. ELEVATIONS (Show whether DF, RT, GR, etc.)	4909.3 Gr	22. APPROX. DATE WORK WILL START	ASAP
--	-----------	----------------------------------	------

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7 5/8"	26.4	150'	60 SX

It is planned to drill a well at the above location to test the oil and natural gas possibilities of the sands in the Dakota, Cedar Mountain, Morrison and Entrada formations. The well will be drilled with rotary tools using air for circulation. The surface casing will be set at approximately 150' and cemented with returns to the surface. A blowout preventer will be installed on the casing head, and a rotating head will be installed on top of the blowout preventer. Any gas zones encountered will be flared at the end of the blowout line and roughly checked for volume through 2" lines off the casing head after pipe rams have been closed. In the event of commercial production, 4 1/2" casing will be run and cemented with sufficient cement to bring the top of the cement 250' above the top of the Dakota formation. A prognosis for the well is attached hereto.

An archeological study has previously been submitted.

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 [Signature] TITLE Vice President DATE August 8, 1979

(This space for Federal or State office use)

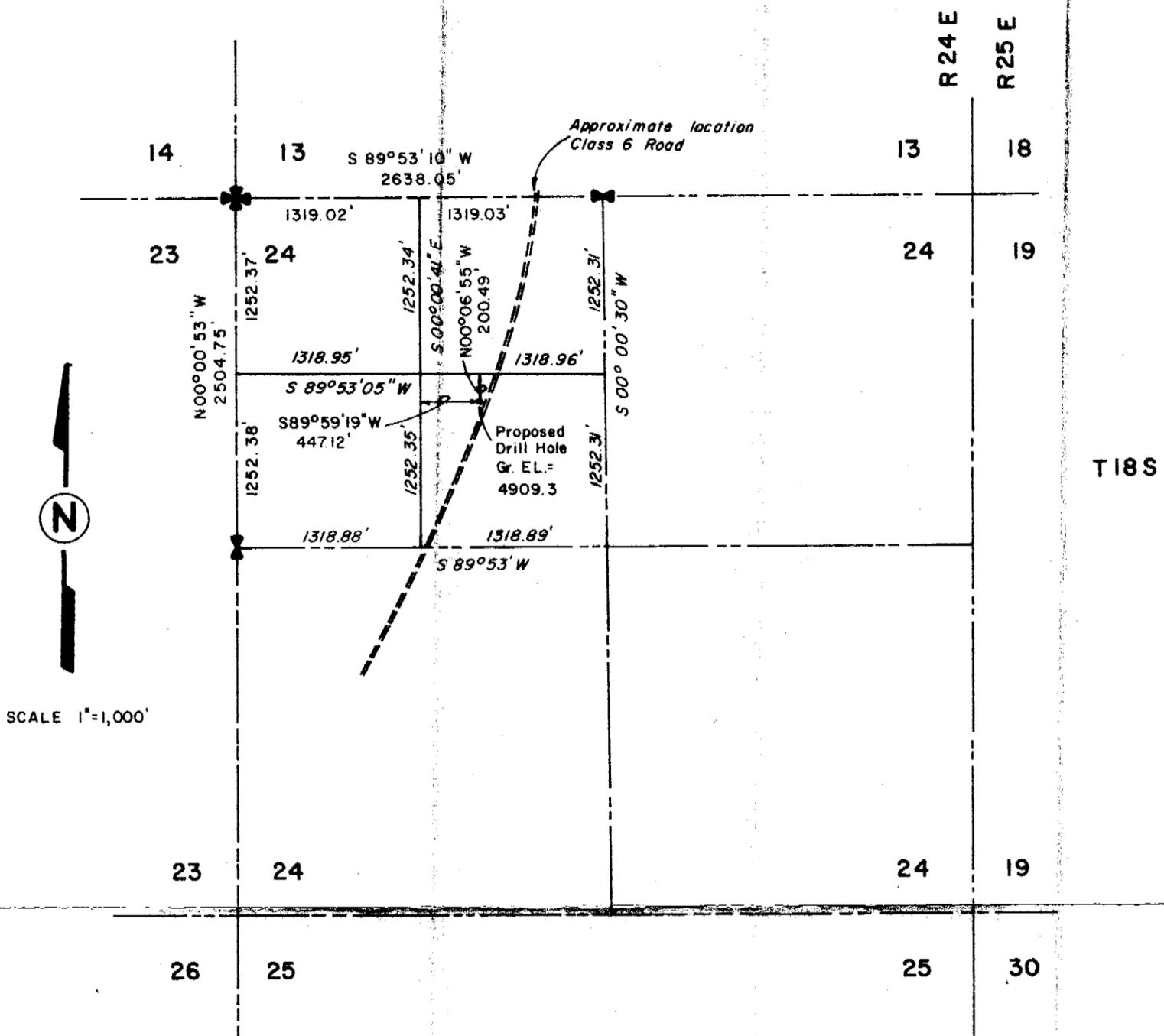
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE JAN 09 1980
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY ATTACHED COPY

*See Instructions On Reverse Side

Utah State Oil & Gas



SCALE 1"=1,000'

NOTES:

- INFORMATION GIVEN IN VERTICAL LETTERING IS DERIVED FROM FIELD SURVEYS MADE ON JUNE 21, 1979.
- INFORMATION GIVEN IN SLANT LETTERING IS CALCULATED BASED ON G.L.O. DATA
- ✚ INDICATES G.L.O. SECTION CORNER FOUND AS SHOWN
- ⌘ INDICATES G.L.O. 1/4 CORNER FOUND AS SHOWN
- ELEVATION BASED ON MEAN SEA LEVEL DATUM

This is to certify that on the 21st day of June 1979, a survey was made under my direct supervision of the above described property, and that all information pertinent to said real property is accurately shown on the above plat.

William G. Ryden
 Colorado Registered Land Surveyor LS 9331





COLORADO WEST SURVEYING COMPANY
 COMPREHENSIVE LAND PLANNING
 COMPLETE SURVEYING SERVICE

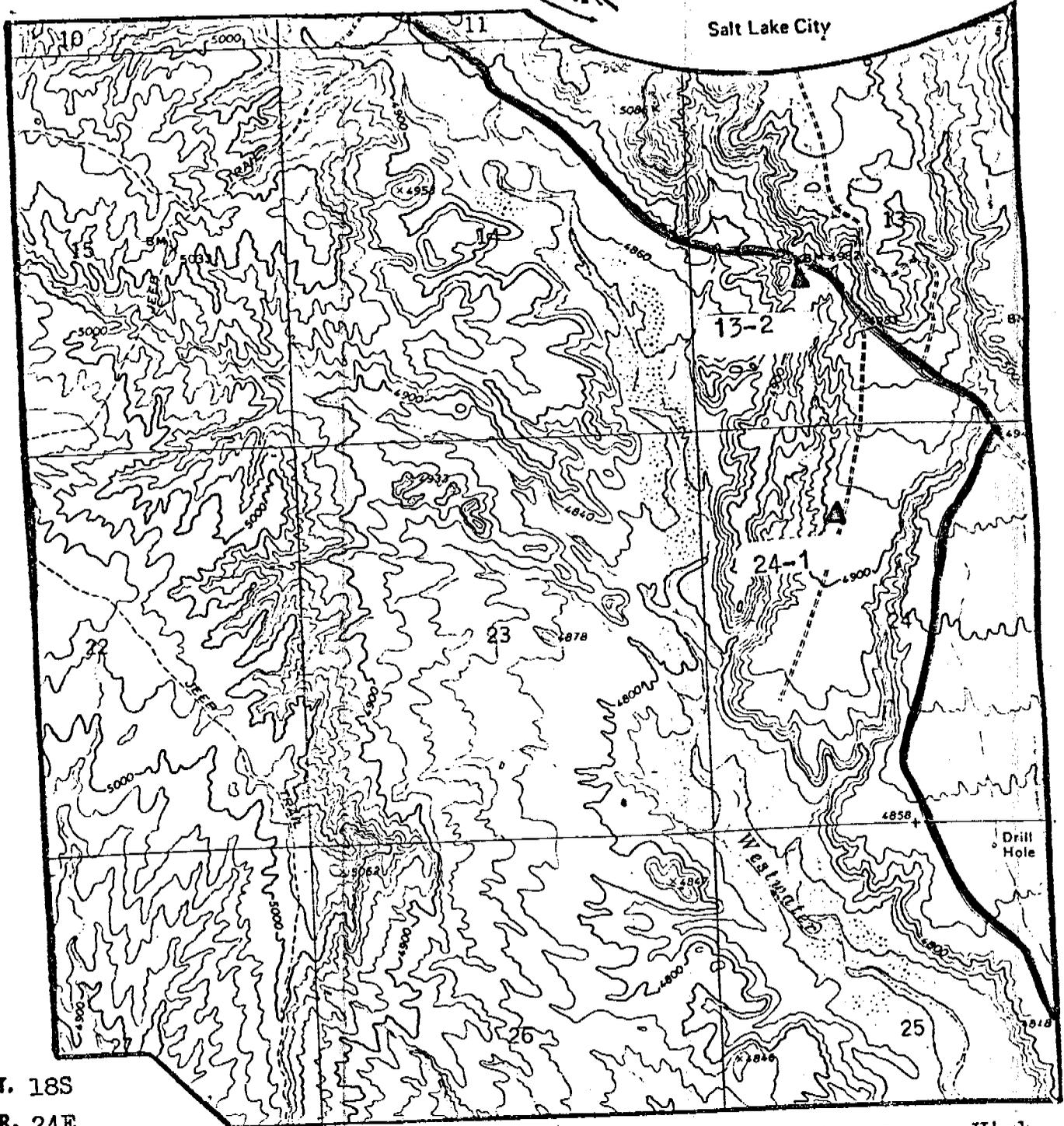
835 Colorado Avenue
 Grand Junction, Colorado 81501
 303 245-2767

NO.	DATE	REVISION	BY
		CONSTITUTION PETROLEUM INC. 570 KENNECOTT BLDG. SALT LAKE CITY, UTAH 84133	
		DRILL HOLE LOCATION FOR DRILL HOLE - FEDERAL 24-3 U-12876 UTAH FEDERAL LEASE	
DES.	CK.		SHEET
DR. D.W.H.	DATE 6-22-79		OF

to Jack

AER

Salt Lake City



T. 18S

R. 24E

Meridian: Salt Lake B&M

Quad: Harley Dome, Utah

Project: BKE-79-1
Series: Eastern Utah

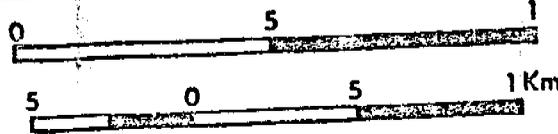
Date: 7-23-79

~~BURKHALTER ENGINEERING~~
WELLS 13-2 and 24-3

Constitution Pet. Corp.

Legend:

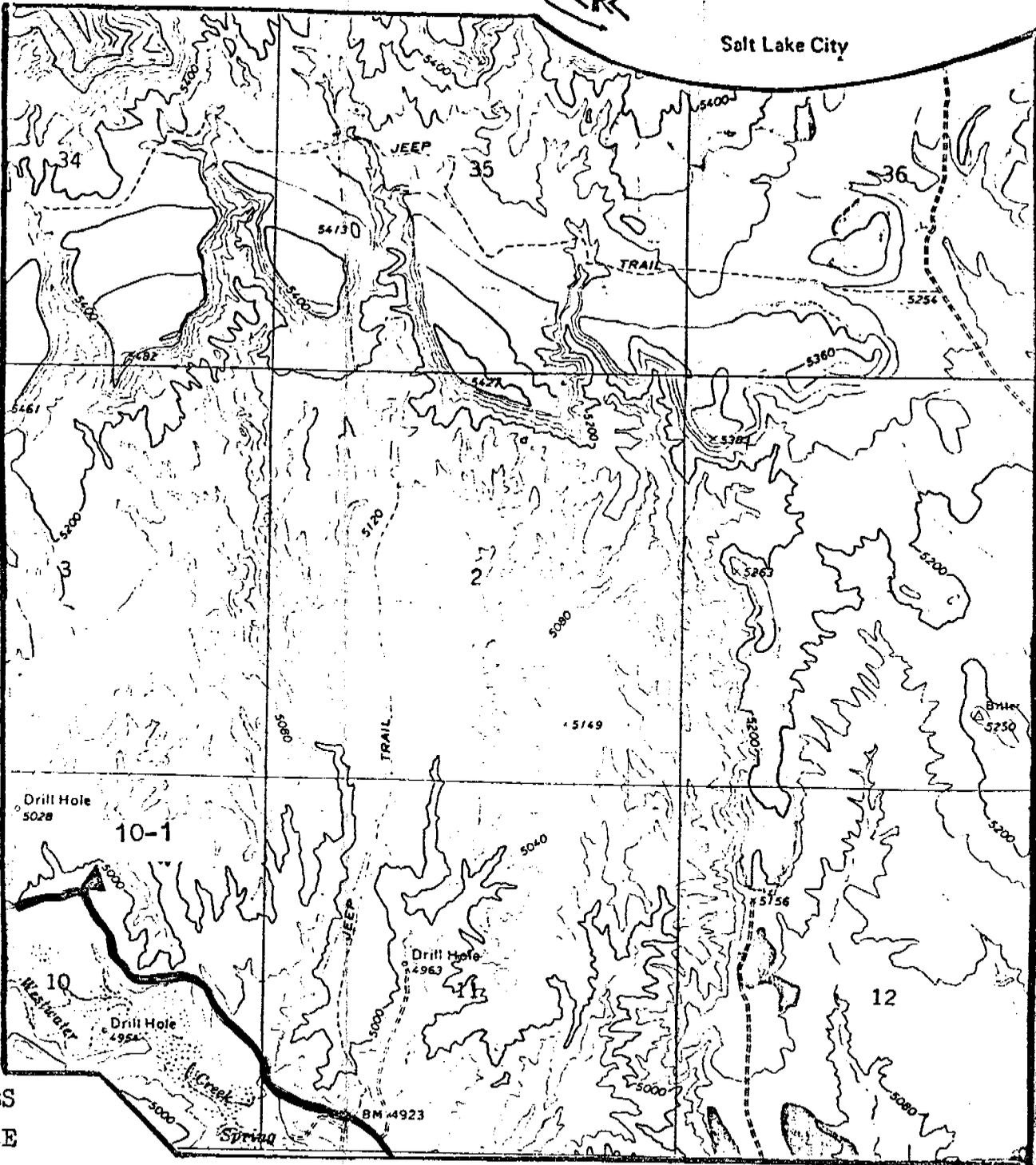
- ▲ Proposed Drill Holes
- ~ Proposed Access



10/2/79



Salt Lake City



T. 18S

R. 24E

Meridian: Salt Lake B&M

Quad: Bryson Canyon, Utah

Project: BKE-79-1

Series: Eastern Utah

Date: 7-23-79

BURKHALTER ENGINEERING

WELL 10-1

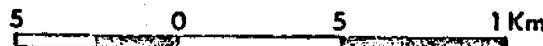
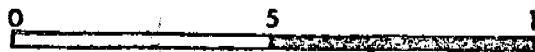
Constitution Pat. Coop.

7.5 Minute USGS

Legend:

▲ Proposed Drill Hole

~ Proposed Access



Scale

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-12872OPERATOR: Constitution Petroleum Co. WELL NO. 24-3LOCATION: ½ SE ½ NW ¼ sec. 24, T. 18S, R. 24E, SLMKane County, Utah

1. Stratigraphy: *Opinions estimated tops seem reasonable.*
2. Fresh Water: *Usable water may be present in the upper part of the Mancos.*
3. Leasable Minerals: *Prospectively valuable for coal in the Dakota sandstones. These coals are likely to be thin, discontinuous and subeconomic.*
4. Additional Logs Needed: *APD proposal seems adequate.*
5. Potential Geologic Hazards: *unknown.*
6. References and Remarks: *USGS files in SLC, Utah. USGS MAPI-736.*

Signature: embDate: 8-30-79

Proposed Action:

On August 10, 1979, Constitution Petroleum Company filed an Application for Permit to Drill the No. 24-3 exploratory well, a 3000-foot oil and gas test of the Dakota, Cedar Mountain, Morrison and Entrada Formation; located at an elevation of 4909 ft. in the SE/4 NW/4, Section 24, T. 18S., R. 24E. on Federal mineral lands and public surface; lease No. U-12872. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 175 ft. wide x 200 ft. long and a reserve pit 25 ft x 75 ft. x 6 ft. deep. The last 100 ft. of the access road would be rerouted to enter near the Northwest rather than the Northeast corner of the pad and an existing road would be upgraded to 14 ft. wide by 1.0 mile long from a maintained road. The operator proposed to construct production facilities on the disturbed area of the proposed drill pad. If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about 7 days.

Access

Location and Natural Setting:

The proposed drill site is approximately 10 miles Northeast of Cisco, Utah, the nearest town. A fair road runs to within 1.0 miles of the location. This well is a wildcat well.

Topography:

This location is on a relatively flat ridge. The west side of the location is near the edge of the ridge and the east side is bordered by a flat open area.

Geology:

The surface geology is the Mancos formation. The soil is a sandy clay with mixed sandstone and shale gravels. No geologic hazards are known near the drillsite. Seismic risk for the area is moderate. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately .8 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location drains to Westwater Creek which then flows to the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about .8 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit (06-01). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of Oil/and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- A. The burn pit (trash pit) is to be adequately fenced before use. The BLM reserves the option to require that all trash be hauled out on other Constitution Petroleum Company wells if this well, the first of the three planned drilling sites, is not suitably cleaned up using the burn pit. X
- B. The dimensions of the pad are shortened to 175 x 200.
- C. Topsoil will be stockpiled and windrowed at the South side of the location. X
- D. The last 100 ft. of the access road would be rerouted to enter nearer to the Northwest corner of the pad.
- E. Rehabilitation will be done according to BLM specifications. +

Adverse Environmental Effects Which Cannot Be Avoided:

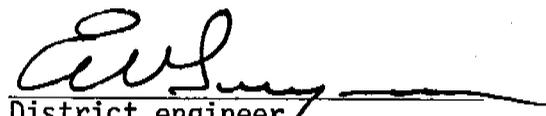
Surface disturbance and removal of vegetation from approximately .8 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Westwater Creek would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2)(C).

Date

10/12/79



District engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

PROGNOSIS FOR WELL

FEDERAL NO. 24-3

SE NW Sec 24, T18S, R24E S1M
Grand County, Utah

Location: SE NW Sec 24, T18S, R24E, S1M, Grand County, Utah
(1766' E of WL and 1453' S of NL)

Elevation: 4909.3 GR

Surface Casing: 150 ft. of 7 5/8" O.D., 26.40#, J-55, 8 Rd, LTC, New;
set and cemented with returns to the surface

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>
Mancos	Surface
Dakota	2000'
Cedar Mountain	2200'
Salt Wash	2600'
Entrada	2900'
Total Depth	3000'

1. It is planned to drill a 9 3/4" surface hole for the surface casing down to a depth of about 150 ft. and set 7 5/8" casing with approx. 60 sks of cement with returns to the surface. A casing head will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on the casing head. A rotating head will then be mounted on top of the blowout preventer. A blewie line, at least 100 ft. long, will then be attached to the rotating head and extended into the reserve pit.
2. A 6 3/4" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at the end of the blewie line at all times while drilling below 1000'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon resevoir.
3. Samples of the cutting will be taken as necessary.
4. It is planned to drill the well to a depth which is 50 ft. below the top of the Entrada formation unless good commercial flow of gas (250 MCF or more) is obtained above this depth.

5. If a high gas flow (several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less 80 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. An induction-electrical log will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 150' above the top of the Dakota formation.
(Note: In the event a small gas flow (less than 750 MCFD) is obtained, it may be desirable to run casing, 4½" O.D., thru the rotating head prior to mudding up and running logs, with cement baskets and DV tool on the casing so that the casing can be cemented above the production zone; thereby preventing any damage to the formation and eliminating considerable completion expense. This is an important consideration when the volume of gas is low and the return from the well would be correspondingly low. The well could then be logged inside the casing with a gamma-neutron log.)
6. If good production (over 750 MCFD) is obtained 4½" O.D., 9.50#, J-55 casing will be run and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will then be perforated, 2 3/8" O.D. tubing run, and completed conventionally.
7. It is anticipated that the drilling of the well will require less than one week.



J. R. Curtsinger
Consulting Engineer
Salt Lake City, Utah

SURFACE USE & OPERATIONS PLAN FOR

CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E SLM
Grand County, Utah

1. A survey plat showing the location of the proposed well site is attached (See Plat No. 1). Map No. 1 shows the route to the well site from Interstate 80 at the Ranch Exit. This map shows the secondary roads into the location and secondary roads in the surrounding area. It is about 5 miles to the location from the highway. These roads are in good shape and will support heavy trucks. The last one mile (see red arrows) will need some grading over the washes and up the steep grades. This work will be minimal. The location adjacent to this road so the amount of new road is very little.
2. Planned Access Roads: The enclosed Map No. 1, is submitted showing the short access required from the present road. This road is across level ground and will require no cuts or extensive grading. This road will be approximately 14' wide. No cattle guards, culverts, or deep cuts will be required on the present secondary road.
3. Location of Existing Wells: See attached Map No. 1.
4. Location of Production Equipment: A plan for the anticipated production equipment, if the well is successful, is submitted on Plat No. 2. When production ceases this equipment will be removed and the land surface graded, levelled and reseeded.
5. Water Supply: Very little water will be required for the drilling of subject well; and will be hauled by truck from the nearest source.
6. Road Material: No additional road material, gravel, sand or culverts, will be required for the proposed drilling operations.
7. Waste Disposal: A reserve and burn pit will be constructed at the well site. All excess water, mud, and drill cuttings will be deposited into the reserve pit. Burnable material and garbage will be put into the burn pit. Both of these pits will be folded in and covered as soon as feasible after the cessation of drilling operations.
8. Camp Facilities and Airstrips: No camp facilities other than two or three house trailers at the well site will be needed. No airstrips will be required.
9. Well Site Layout: A plan for the drilling equipment layout required for the drilling operations is submitted on Plat No. 3. The approximate dimensions of the drill site are shown. The site will be levelled for this equipment. Since the site is quite level, it will not be necessary to make any deep cuts or major surface shift. The reserve pit will be about 4 ft. deep with 4 foot banks. The sage brush will be removed.

10. Restoration: After the drilling operations have been concluded and the equipment removed, the well site area will be cleaned, levelled and restored to normal. The pits will be covered and the area reseeded, if the well is not successful. Otherwise the site will be levelled and prepared for the placement of the production equipment. This work will be accomplished within 30 days after the drilling equipment has been removed.
11. Land Description: The proposed well site is on the bank of a tributary to Westwater Wash and is on fairly level ground that is covered with heavy sage brush. The surface is Mancos shale, and some gravel from erosion and deposition along the wash. Very little grading to the location will be required.
12. Representative: The operators representative at the well site will probably be J. R. Curtsinger, Salt Lake City, Utah. The location work and restoration work will probably be done by Ollie Knutson.
13. Certification:

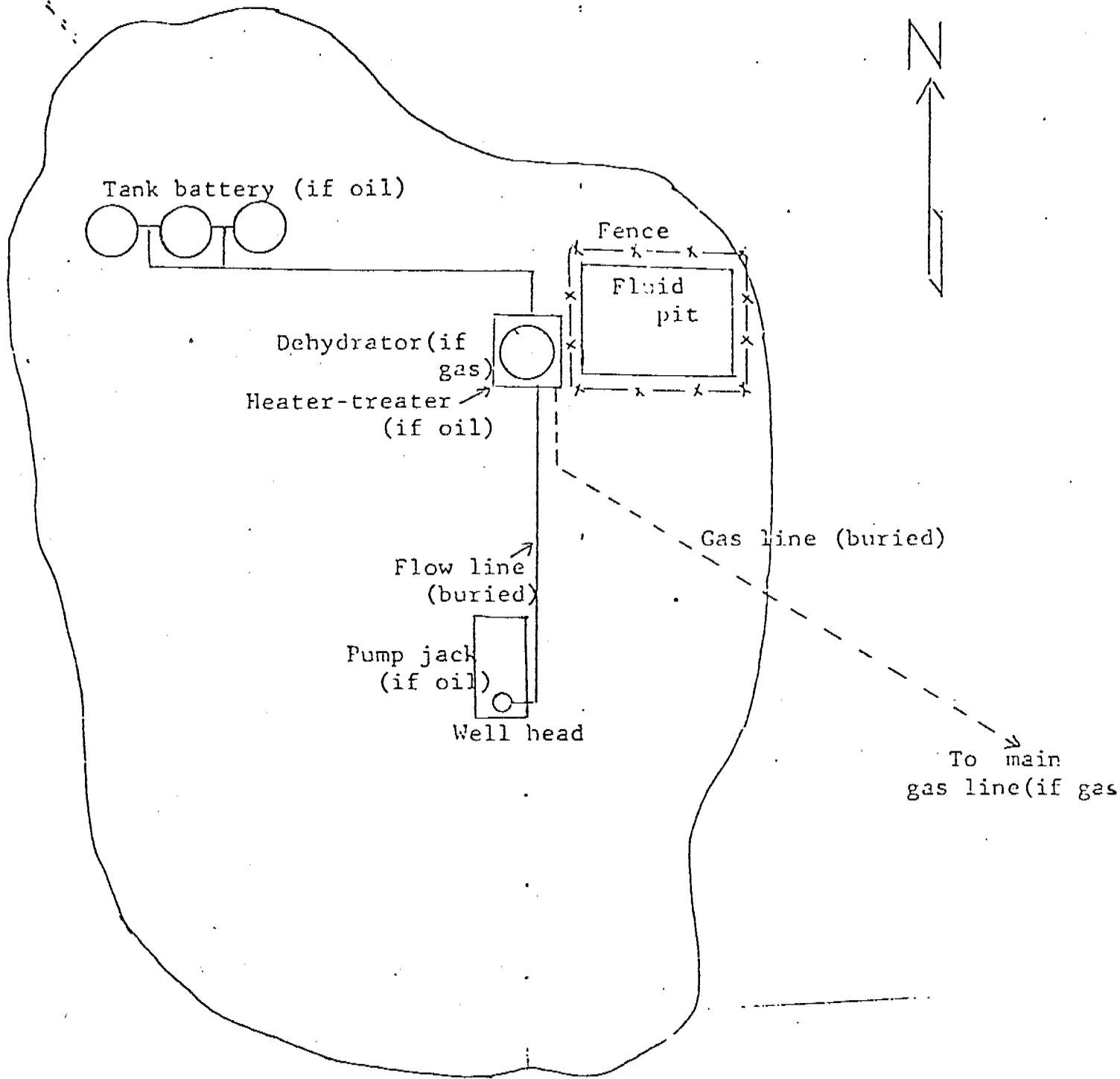
I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations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

Date: August 8, 1979

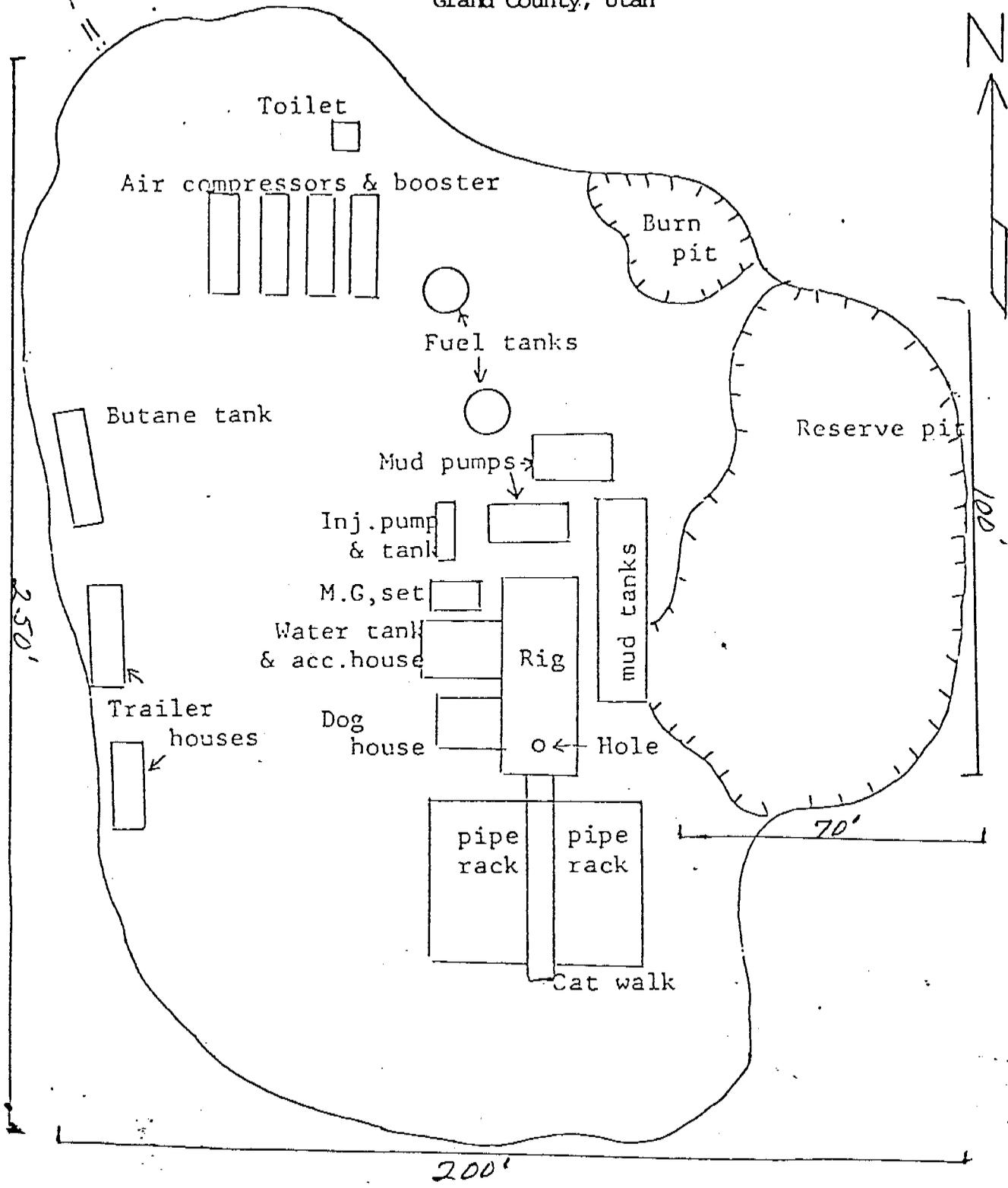

J. R. Curtsinger
Consulting Engineer

PLAN FOR PRODUCTION EQUIPMENT
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E SLM
Grand County, Utah

New road



LOCATION PLAN FOR
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E, 51M
Grand County, Utah



Scale: 1 in. = approx. 35 ft.

WELL CONTROL EQUIPMENT FOR
CONSTITUTION PETROLEUM CO.

FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E SLM
Grand County, Utah

The following control equipment is planned for the above designated well: (See attached diagram).

1. Surface Casing:

- A. Hole size for surface casing is 9 3/4"
- B. Setting depth for surface casing is approx. 150 ft.
- C. Casing specs. are: 7 5/8" D.D., J-55, 26.40#, 8 rd. thread, new or used.
- D. Anticipated pressure at setting depth is approx. 20 lbs.
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 60 sks of cement with returns to the surface.
- F. Top of the casing will be at ground level.

2. Casing Head:

Flange size: 10", A.P.I. Pressure rating: 2000# W.P., Series 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2", 2000# W.P. ball or plug valves. Casing head and valves set above ground level.

3. Intermediate Casing:

None.

4. Blowout Preventors:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 1/2" or 4" drill pipe; 10" flange; 2000# or greater W.P.; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000#p.s.i.

5. B. Rotating Head:

Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3 1/2" or 4" rubber for 2000# W.P.; need not have hydril assembly on bottom.

C. Fill and Kill Lines:

The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head.

5. Auxillary Equipment:

A float valve is to be used in the bottom drill collar at all times. A string float will also be used in the drill pipe and kept within 200'-300' of the surface.

6. Anticipated Pressures:

The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 3000' to 4000' in the area have been measured at about 1000# to 1500# maximum.

7. Drilling fluids:

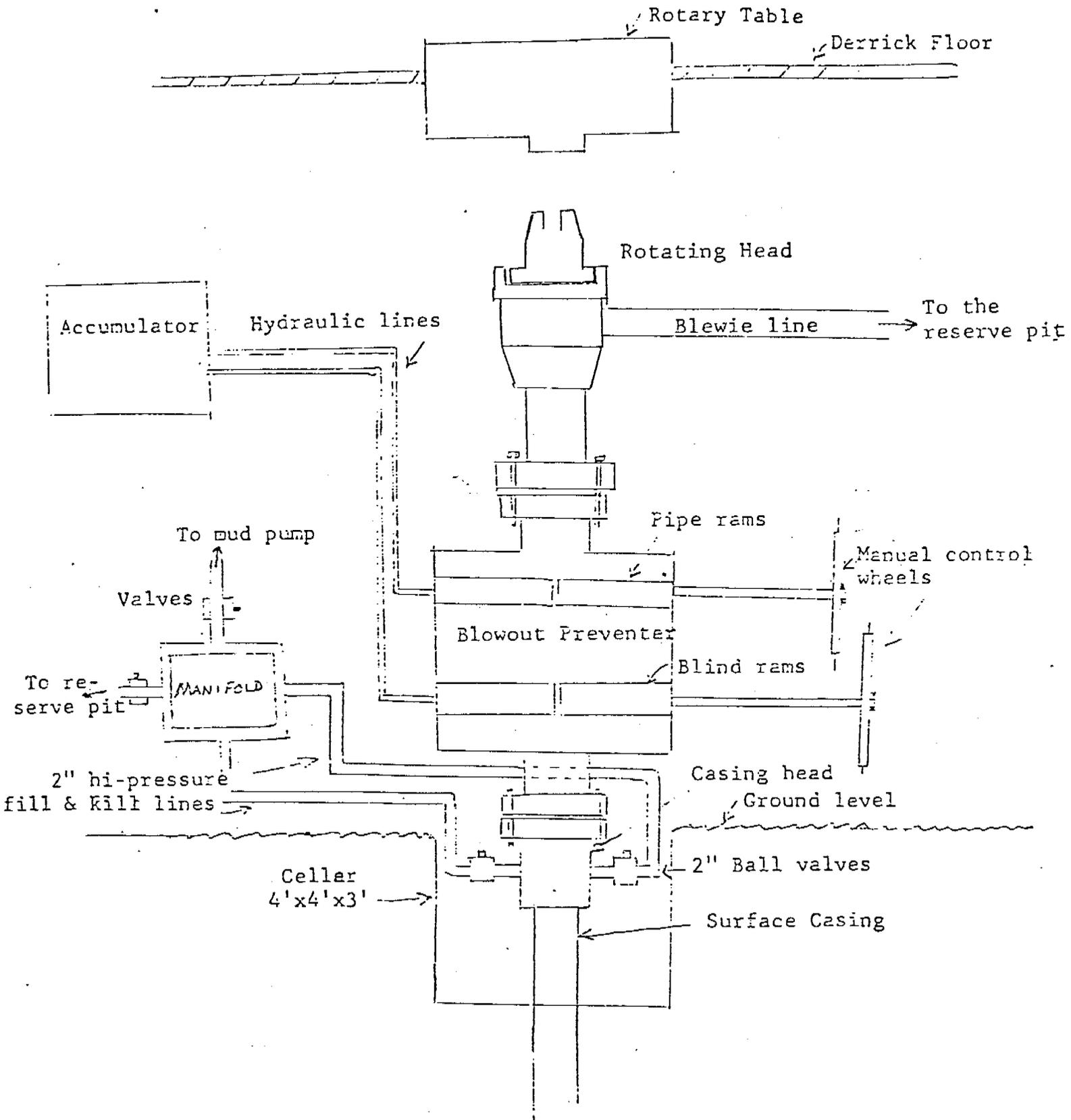
Air-soap-water mist will be used to drill the subject well. In case of excessive caving problems, it may be

necessary to convert to mud.

8. Production Casing:

- A. Hole size for production casing will be 6 3/4".
- B. Approx. setting depth will be about 2900'
- C. Casing Specs. are: 4 1/2" O.D.; J-55; 9.50#, 8-rd thread; new.
- D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8" O.D. tubing will be run, and the well completed conventionally. In the event the production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.
- E. Casing will be run with about six centralizers and a Lynes packer and DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the Lynes packer and a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the packer. Two inch tubing will be run and secured in the tubing head prior to perforating.

SCHEMATIC DIAGRAM OF
 CONTROL EQUIPMENT FOR THE
 CONSTITUTION PETROLEUM CO.
 FEDERAL NO. 24-3
 SE NW Sec 24, T18, R24E SLM
 Grand County, Utah



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Constitution Petroleum Co.

3. ADDRESS OF OPERATOR
 570 Kennecott Building, Salt Lake City, Utah 84133

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1766' E of WL and 1453' S of NL, Sec 24, T18S, R24E
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 mi NE Cisco, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1453'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4909.3 Gr

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 3/4"	7 5/8"	26.4	150'	60 SX

5. LEASE DESIGNATION AND SERIAL NO.
 U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 24-3

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SE NW Sec 24, T18S, 24E
 SIM

12. COUNTY OR PARISH 13. STATE
 Grand Utah

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160 ac

19. PROPOSED DEPTH
 3000'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 ASAP

It is planned to drill a well at the above location to test the oil and natural gas possibilities of the sands in the Dakota, Cedar Mountain, Morrison and Entrada formations. The well will be drilled with rotary tools using air for circulation. The surface casing will be set at approximately 150' and cemented with returns to the surface. A blowout preventer will be installed on the casing head, and a rotating head will be installed on top of the blowout preventer. Any gas zones encountered will be flared at the end of the blowout line and roughly checked for volume through 2" lines off the casing head after pipe rams have been closed. In the event of commercial production, 4 1/2" casing will be run and cemented with sufficient cement to bring the top of the cement 250' above the top of the Dakota formation. A prognosis for the well is attached hereto.

An archeological study has previously been submitted.

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 [Signature] TITLE Consulting Engineer DATE August 8, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

PROGNOSIS FOR WELL

FEDERAL NO. 24-3

SE NW Sec 24, T18S, R24E S1M
Grand County, Utah

Location: SE NW Sec 24, T18S, R24E, S1M, Grand County, Utah
(1766' E of WL and 1453' S of NL)

Elevation: 4909.3 GR

Surface Casing: 150 ft. of 7 5/8" O.D., 26.40#, J-55, 8 Rd, LTC, New;
set and cemented with returns to the surface

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>
Mancos	Surface
Dakota	2000'
Cedar Mountain	2200'
Salt Wash	2600'
Entrada	2900'
Total Depth	3000'

1. It is planned to drill a 9 3/4" surface hole for the surface casing down to a depth of about 150 ft. and set 7 5/8" casing with approx. 60 sks of cement with returns to the surface. A casing head will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on the casing head. A rotating head will then be mounted on top of the blowout preventer. A blewie line, at least 100 ft. long, will then be attached to the rotating head and extended into the reserve pit.
2. A 6 3/4" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at the end of the blewie line at all times while drilling below 1000'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon resevoir.
3. Samples of the cutting will be taken as necessary.
4. It is planned to drill the well to a depth which is 50 ft. below the top of the Entrada formation unless good commercial flow of gas (250 MCF or more) is obtained above this depth.

5. If a high gas flow (several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less 80 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. An induction-electrical log will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 150' above the top of the Dakota formation.
(Note: In the event a small gas flow (less than 750 MCFD) is obtained, it may be desirable to run casing, 4½" O.D., thru the rotating head prior to mudding up and running logs, with cement baskets and DV tool on the casing so that the casing can be cemented above the production zone; thereby preventing any damage to the formation and eliminating considerable completion expense. This is an important consideration when the volume of gas is low and the return from the well would be correspondingly low. The well could then be logged inside the casing with a gamma-neutron log.)
6. If good production (over 750 MCFD) is obtained 4½" O.D., 9.50#, J-55 casing will be run and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will then be perforated, 2 3/8" O.D. tubing run, and completed conventionally.
7. It is anticipated that the drilling of the well will require less than one week.



J. R. Curtsinger
Consulting Engineer
Salt Lake City, Utah

SURFACE USE & OPERATIONS PLAN FOR

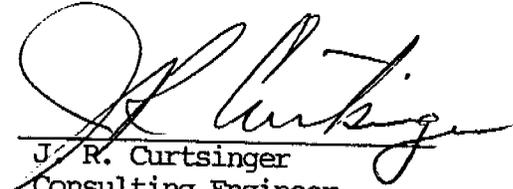
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E S1M
Grand County, Utah

1. A survey plat showing the location of the proposed well site is attached (See Plat No. 1). Map No. 1 shows the route to the well site from Interstate 80 at the Ranch Exit. This map shows the secondary roads into the location and secondary roads in the surrounding area. It is about 5 miles to the location from the highway. These roads are in good shape and will support heavy trucks. The last one mile (see red arrows) will need some grading over the washes and up the steep grades. This work will be minimal. The location adjacent to this road so the amount of new road is very little.
2. Planned Access Roads: The enclosed Map No. 1, is submitted showing the short access required from the present road. This road is across level ground and will require no cuts or extensive grading. This road will be approximately 14' wide. No cattle guards, culverts, or deep cuts will be required on the present secondary road.
3. Location of Existing Wells: See attached Map No. 1.
4. Location of Production Equipment: A plan for the anticipated production equipment, if the well is successful, is submitted on Plat No. 2. When production ceases this equipment will be removed and the land surface graded, levelled and reseeded.
5. Water Supply: Very little water will be required for the drilling of subject well; and will be hauled by truck from the nearest source.
6. Road Material: No additional road material, gravel, sand or culverts, will be required for the proposed drilling operations.
7. Waste Disposal: A reserve and burn pit will be constructed at the well site. All excess water, mud, and drill cuttings will be deposited into the reserve pit. Burnable material and garbage will be put into the burn pit. Both of these pits will be folded in and covered as soon as feasible after the cessation of drilling operations.
8. Camp Facilities and Airstrips: No camp facilities other than two or three house trailers at the well site will be needed. No airstrips will be required.
9. Well Site Layout: A plan for the drilling equipment layout required for the drilling operations is submitted on Plat No. 3. The approximate dimensions of the drill site are shown. The site will be levelled for this equipment. Since the site is quite level, it will not be necessary to make any deep cuts or major surface shift. The reserve pit will be about 4 ft. deep with 4 foot banks. The sage brush will be removed.

10. Restoration: After the drilling operations have been concluded and the equipment removed, the well site area will be cleaned, levelled and restored to normal. The pits will be covered and the area reseeded, if the well is not successful. Otherwise the site will be levelled and prepared for the placement of the production equipment. This work will be accomplished within 30 days after the drilling equipment has been removed.
11. Land Description: The proposed well site is on the bank of a tributary to Westwater Wash and is on fairly level ground that is covered with heavy sage brush. The surface is Mancos shale, and some gravel from erosion and deposition along the wash. Very little grading to the location will be required.
12. Representative: The operators representative at the well site will probably be J. R. Curtsinger, Salt Lake City, Utah. The location work and restoration work will probably be done by Ollie Knutson.
13. Certification:

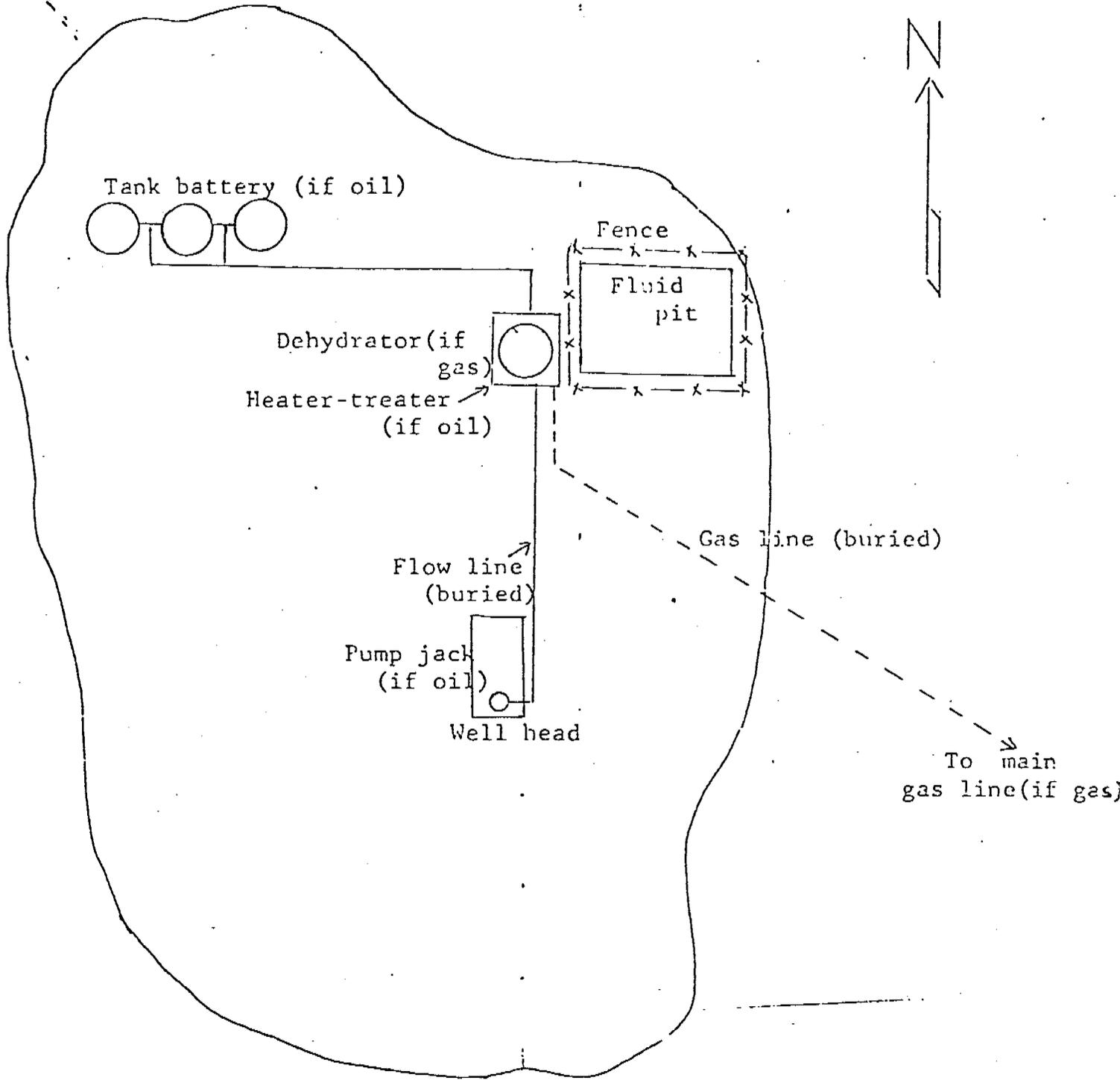
I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations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

Date: August 8, 1979

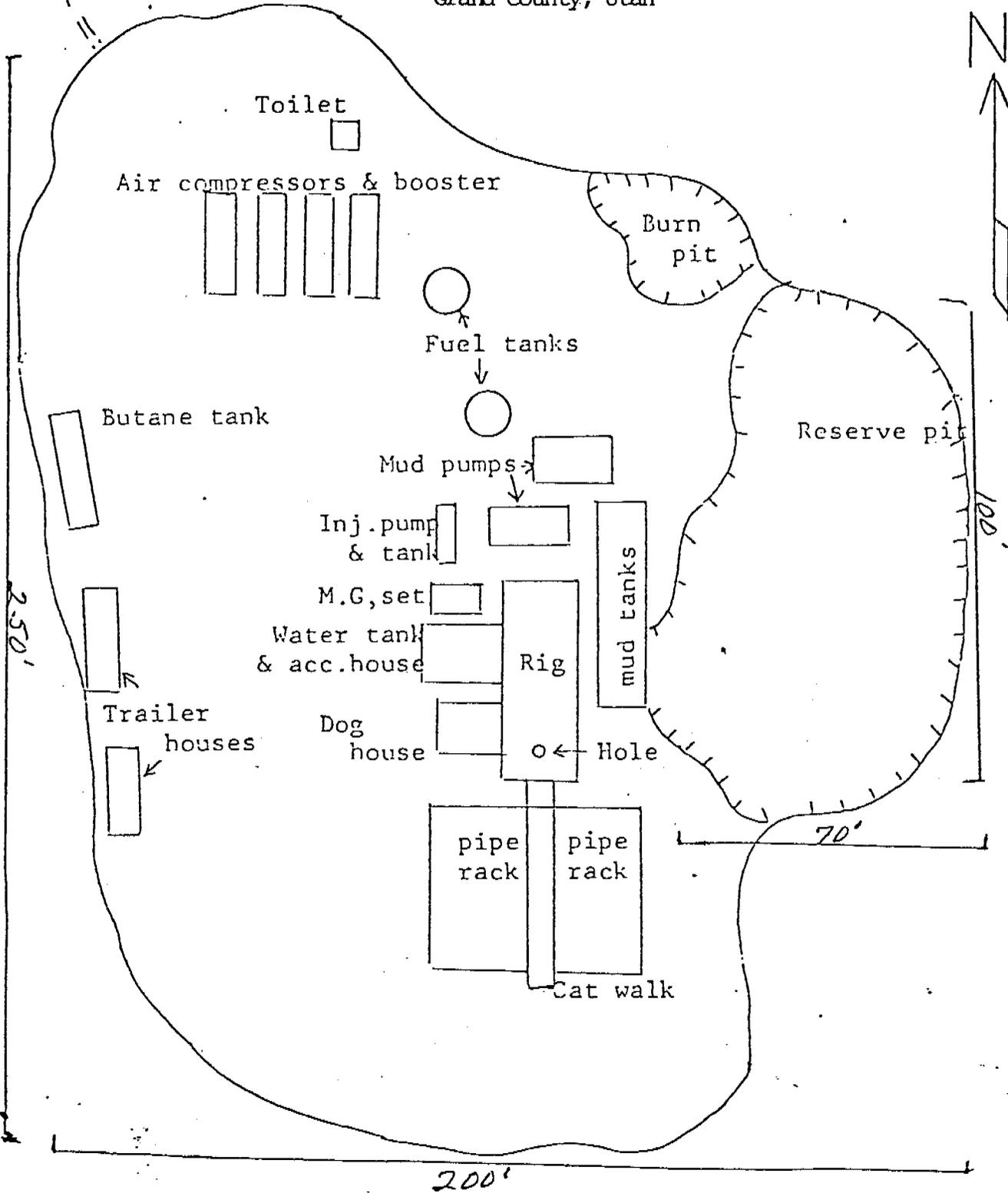

J. R. Curtsinger
Consulting Engineer

PLAN FOR PRODUCTION EQUIPMENT
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E SLM
Grand County, Utah

New road



LOCATION PLAN FOR
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E, S1M
Grand County, Utah



Scale: 1 in. = approx. 35 ft.

WELL CONTROL EQUIPMENT FOR
CONSTITUTION PETROLEUM CO.
FEDERAL NO. 24-3
SE NW Sec 24, T18S, R24E S1M
Grand County, Utah

The following control equipment is planned for the above designated well: (See attached diagram).

1. Surface Casing:
 - A. Hole size for surface casing is 9 3/4"
 - B. Setting depth for surface casing is approx. 150 ft.
 - C. Casing specs. are: 7 5/8" D.D., J-55, 26.40#, 8 rd. thread, new or used.
 - D. Anticipated pressure at setting depth is approx. 20 lbs.
 - E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 60 sks of cement with returns to the surface.
 - F. Top of the casing will be at ground level.
2. Casing Head:

Flange size: 10", A.P.I. Pressure rating: 2000# W.P., Series 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2", 2000# W.P. ball or plug valves. Casing head and valves set above ground level.
3. Intermediate Casing:

None.
4. Blowout Preventors:
 - A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 1/2" or 4" drill pipe; 10" flange; 2000# or greater W.P.; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000#p.s.i.
5. B. Rotating Head:

Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3 1/2" or 4" rubber for 2000# W.P.; need not have hydril assembly on bottom.
- C. Fill and Kill Lines:

The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head.
5. Auxillary Equipment:

A float valve is to be used in the bottom drill collar at all times. A string float will also be used in the drill pipe and kept within 200'-300' of the surface.
6. Anticipated Pressures:

The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 3000' to 4000' in the area have been measured at about 1000# to 1500# maximum.
7. Drilling fluids:

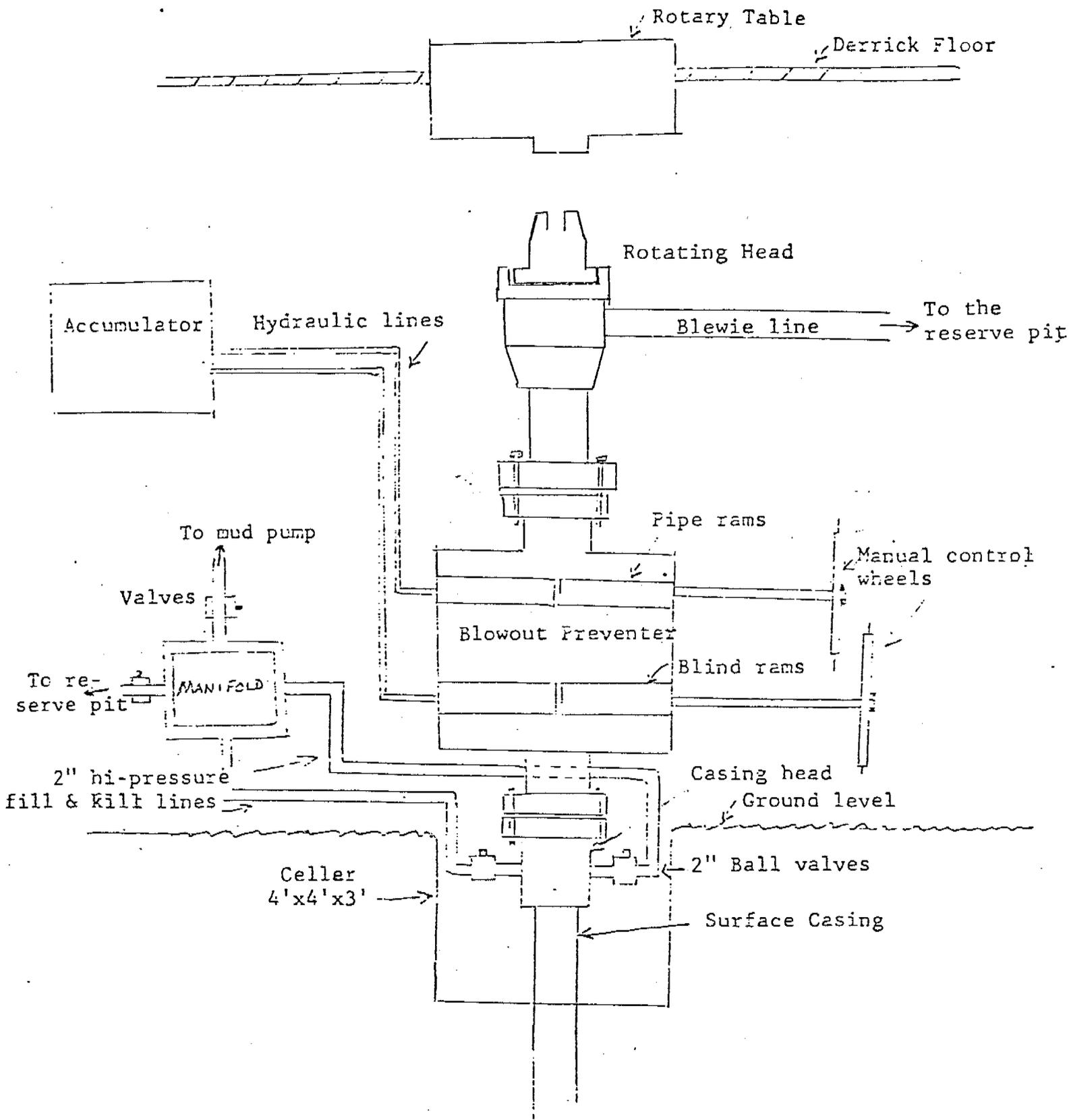
Air-soap-water mist will be used to drill the subject well. In case of excessive caving problems, it may be

necessary to convert to mud.

8. Production Casing:

- A. Hole size for production casing will be 6 3/4".
- B. Approx. setting depth will be about 2900'
- C. Casing Specs. are: 4 1/2" O.D.; J-55; 9.50#, 8-rd thread; new.
- D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8" O.D. tubing will be run, and the well completed conventionally. In the event the production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.
- E. Casing will be run with about six centralizers and a Lynes packer and DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the Lynes packer and a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the packer. Two inch tubing will be run and secured in the tubing head prior to perforating.

SCHEMATIC DIAGRAM OF
 CONTROL EQUIPMENT FOR THE
 CONSTITUTION PETROLEUM CO.
 FEDERAL NO. 24-3
 SE NW Sec 24, T18, R24E SLM
 Grand County, Utah



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: August 10, 1979

Operator: Constitution Petroleum Co.

Well No: Federal 24-3

Location: Sec. 24 T. 185 R. 24E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-019-30551

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: _____

Remarks: Unauthorized location

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3

O.K. In _____ Unit

Other:

#2
plus 660'
ownership

Letter Written/Approved
WTR

September 6, 1979

Constitution Petroleum Company
570 Kennecott Building
Salt Lake City, Utah 84113

Re: Well No. Federal 19-1, Sec. 10, T. 18S, R. 24E., Grand County, Utah
Well No. Federal 13-2, Sec. 13, T. 18S, R. 24 E., Grand County, Utah
Well No. Federal 24-3, Sec. 24, T. 18S, R. 24E., Grand County, Utah

The State of Utah, General Rules and Regulations, and Rules of Practice and Procedure, amended March 22, 1978, Rule C-3, "General Well Spacing Requirements" reads as follows:

(a) The spacing of wells in pools for which drilling units have been established shall be governed by special rules for that particular pool.

(b) All wells drilled for oil and/or gas which are not within an area covered by a special area spacing rule or which are not within a pool for which drilling units have been established, shall be located not less than 500 feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location and not less than 1000 feet from any oil well, or 4960 feet from any gas well, unless otherwise specifically permitted by order of the Commission after notice and hearing, unless an exception is granted by the Commission pursuant to Rule C-3(c).

(c) The Commission may grant an exception to the requirements of (b) above as to the situs of a particular well location, without notice and hearing, where an application has been filed in due form and

(1) The necessity for an unorthodox location is based on topographical, and/or geological conditions, and;

(2) The ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location, or all owners of oil and gas leases within such radius consent in writing to the proposed location.

(d) Whenever an exception is granted, the Commission may take such action as will offset any advantage which the person securing the exception may obtain over other producers by reason of the unorthodox location.

(e) The spacing requirements of this rule shall not apply in cases where, in the opinion of the Commission, engineering practices have proven otherwise.

Your location appears to be an unorthodox well location and if it cannot be relocated to comply with Rule C-3(b), please submit an application for exception as outlined in Rule C-3(c).

You are also requested to furnish substantial information and data to support your application for an excepted location. This may be in the form of a statement as to why this well cannot be located under general spacing and must be placed at the proposed location; it may include letters, charts, maps or other data which will provide this Division with sufficient information on which to base a decision.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

MTM:btm

cc: USGS

Jack R. Curtsinger
PETROLEUM ENGINEER

570 Kennecott Building
Salt Lake City, Utah 84133
(801) 364-6217

September 21, 1979.

Mr. Cleon B. Feight, Director
Utah Division of Oil, Gas, and Mining
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116



Re: Application for Exception Rule C-3(c)
Constitution Petroleum Co.
Fed 10-1, Sec 10, T18S, R24E
Fed 13-2, Sec 13, T18S, R24E
Fed 24-3, Sec 24, T18S, R24E
Grand County, Utah

Dear Mr. Feight:

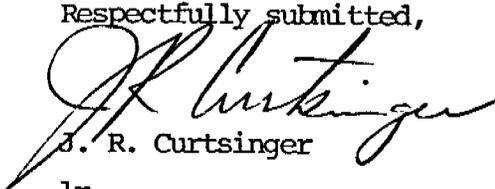
Constitution Petroleum Co. requests that the referenced locations be approved as Exceptions to Utah Rule C-3(c) for reasons of topographical relief. As evidenced by the enclosed topographic maps, the well locations are in a highly eroded area near the "Book Cliffs" and we located the proposed wells as near to existing roadways as possible to facilitate approval by the BLM and USGS, as well as keeping disturbance of surface land to a minimum.

An on site inspection was made on 9-20-79 with representatives from the BLM and USGS and sites Fed 10-1 and Fed 24-3 were reasonably acceptable. The Fed 13-2 site was requested to be moved 100 feet South 55 degrees East from the proposed original site. An amended location will be filed shortly to reflect this change.

Please be advised that Constitution Petroleum, Arrow Petroleum and East Utah Mining are joint owners of leases on the total section in which each well is located as well as an additional + 18,000 acres in area forming a continuous and contiguous lease block. There are no producing wells to my knowledge within the leasehold area and no wells have been drilled on the leasehold acreage in the past 10 years.

Please advise should you require any additional information in this matter.

Respectfully submitted,


J. R. Curtsinger

lr

Encls.

cc: Mr. E. W. Gwynn
USGS

September 25, 1979

Constitution Petroleum Company
570 Kennecott Building
Salt Lake City, Utah 84113

Re: Well No. Federal 10-1, Sec. 10, T. 18S, R. 24E., Grand County, Utah
Well No. Federal 13-2, Sec. 13, T. 18S, R. 24E., Grand County, Utah
Well No. Federal 24-3, Sec. 24, T. 18S, R. 24E., Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, approval is contingent upon a letter ~~from~~ Constitution Petroleum Company stating that you own or control acreage within a 660' radius of the proposed site being submitted to this office prior to the drilling of these wells.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771 or
Home: 876-3001

FRANK H. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The RPI numbers assigned to these wells are-- 10-1 - 43-019-30549;
13-2 - 43-019-30550; 24-3 - 43-019-30551.

Sincerely,

Frank M. Hammer
Chief Petroleum Engineer

/bmn

cc: USGS

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City
SERIAL NO.: U-12872

and hereby designates

Willard Pease Oil & Gas Co.
570 Kennecott Building
Salt Lake City, Utah 84133

NAME:
ADDRESS:

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

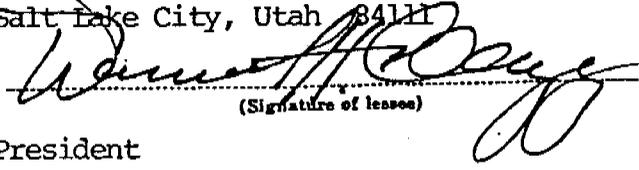
NW ¼, Section 24, Township 18 South,
Range 24 East, North Harley Dome Area,
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

EAST UTAH MINING COMPANY
Suite 555, First Security Bank Building
405 South Main Street
Salt Lake City, Utah 84111


(Signature of lessee)

President

12-14-79
.....
(Date)

.....
(Address)

DESIGNATION OF OPERATOR

12480 Federal 24-3 - From Constitution to W. Pease

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

DISTRICT LAND OFFICE: Salt Lake City
SERIAL NO.: U-12876

and hereby designates Willard Pease Oil & Gas Co.
570 Kennecott Building
NAME: Salt Lake City, Utah 84133
ADDRESS:

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

NE 1/4, Section 10 and SW 1/4, Section 13,
Township 18 South, Range 24 East,
Harley Dome Area, Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ARROW PETROLEUM COMPANY
A-125 Petroleum Center
San Antonio, Texas 78209

RECEIVED

JAN 4 1980

(Signature of lessee)
ARROW PETROLEUM COMPANY
A 125 PETROLEUM CENTER
512 821-2031
SAN ANTONIO, TEXAS 78209
(Address)

12/11/79

(Date)

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Willard Pease Oil and Gas Company

WELL NAME: Federal #24-3

SECTION 24 SE NW TOWNSHIP 18S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Western Calvert Drilling

RIG # 9

SPUDDED: DATE 1/12/80

TIME 1:30 a.m.

How rotary

DRILLING WILL COMMENCE presently

REPORTED BY Newt Burkhalter

TELEPHONE # 303-242-8555

DATE January 17, 1980

SIGNED M. J. Munder

cc: USGS

March 13, 1980

Willard Pease Oil and Gas Co.
570 Kennecott Building
Salt Lake City, Utah 84113

Re: Well No. Fed. 24-3
Sec. 24, T. 18S, R. 24E.
Grand County, Utah
January-February 1980

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH
CLERK-TYPIST

April 15, 1980

Willard Pease Oil and GAS CO.
570 Kennecott Building
Salt Lake City, Utah 84113

Re: Well No. Fed. 24-3
Sec. 24, T. 18S, R. 24E.
Grand County, Utah
Months due: January-March 1980

Gentlemen:

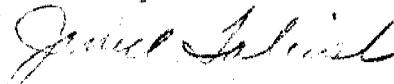
Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH
CLERK-TYPIST



WILL PEASE
R
OIL AND GAS Co. 570 Kennecott Building, Salt Lake City, Utah 84133, (801) 364-6217

April 15, 1980

Janice Tabish
Clerk-Typist
State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Well No. Fed 24-3
Sec 24 T18S, R24E
Grand County, Utah
Jan-Feb 1980

Dear Ms. Tabish:

In reply to your letter of March 18, 1980, regarding the above referenced well, please be advised that this well is not completed, the engineer in charge has informed us that they are waiting on completion tools and has not been put on production yet.

If we can furnish you with further information, please let us know.

Sincerely yours,

Lu Rhodes
(Mrs.) Lu Rhodes
Secretary

RECEIVED
APR 16 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

24-3

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SE NW Sec 24 T18S, R24E
STM

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

14. PERMIT NO.

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

4909.3 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Waiting on Completion Tool to be delivered.

RECEIVED
MAY 6 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Mrs. Lu Rhodes
(Mrs.) Lu Rhodes

TITLE Ass't Secretary

DATE

May 5, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

SUBMIT **DUPLICATE***
(Other Applications on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT ASSIGNMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
24-3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLM. AND SUBST. OR AREA
24, T18S 24E SIM

12. COUNTY OR PARISH
Grand

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Willard Pease oil & Gas Co.

3. ADDRESS OF OPERATOR
570 Kennecott Bldg., SLC, UT 84133

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SE NW Sec 24, T18S, R24E, S1M
1766' E of WL and 1453' S of NL,

14. PERMIT NO.

15. ELEVATIONS (Show whether SP, ST, OR, etc.)
4909.3 GR

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

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

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

Surface restoration
Well sign corrected
Reserve pit fenced

Form 9-329 Filed beginning with June 1980 thru Sept 1980

RECEIVED

NOV 10 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED Mrs. Sue Plummer TITLE Ass't Secretary DATE 11/06/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

November 18, 1980

Willard Pease Oil & Gas Company
570 Kennecott Building
Salt Lake City, Utah 84133

RE: Well No. Federal #24-3
Sec. 24, T. 18S, R. 24E.,
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and log for the Above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

BARBARA HILL
CLERK TYPIST

/bjh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Federal No. 24-3

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 24, T18S, R24E, S1B&M

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR

570 Kennecott Building, Salt Lake City, Utah 84133

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1766' FWL, 1453' FNL (SE NW)

14. PERMIT NO.

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

4909' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Drilling & Partial Completion

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

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

- 1) TD 2103. Ran 4½" 10½ lb. casing to 1549 KB and cemented with 90 sx thixotropic cement.
- 2) Perforated 1447 to 1452 - this zone was air-drilled and had very good gas shows.
- 3) Acidized 2 times with 7½% MSR acid plus 1000 SCF/bbl N₂ + 20% methanol. Results inconclusive.
- 4) 6-9-80 rigged down unit pending further testing and treatment.

RECEIVED

JAN 8 1981

DIVISION OF
OIL, GAS & MINING

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

SIGNED

J. H. Burkhardt

TITLE Consulting Engineer

DATE 1-5-81

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

July 17, 1981

Willard Pease Oil & Gas Company
570 Kennecott Building
Salt Lake City, Utah 84133

Re: Well No. Federal 24-3
Sec. 24, T. 18S, R. 24E
Grand County, Utah

Gentlemen:

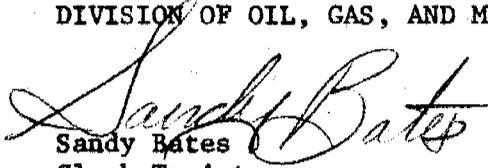
This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

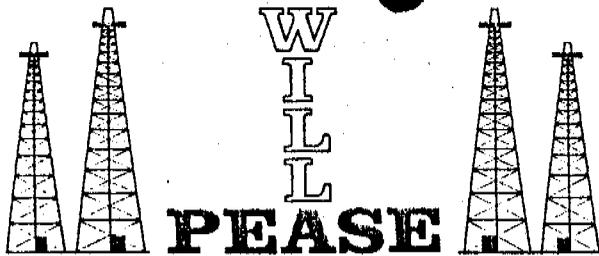
Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

/lm
Enclosures



WILLARD PEASE
R
OIL AND GAS Co. 570 Kennecott Building, Salt Lake City, Utah 84133, (801) 364-6217

August 13, 1981

J. N. Burkhalter
Burkhalter Engineering
588 25 Road
Grand Junction, CO 81501

Re: Well No. Fed 24-3
Sec 24, T18S, R24E
Grand County, Utah

Dear Mr. Burkhalter:

I have tried to call you but you have been out of town or not available and I can certainly appreciate how busy you are; however, again I need help on the enclosed letter from the State of Utah dated 7/17/81 (copy enclosed).

If we can do this by phone I will be happy to fill out the form and send it in.

If the information is not available to you, we may have to turn to Willard for some answers.

Sincerely yours,

Lu Rhodes
Assistant Secretary

Encls.

cc: Willard H. Pease
Div of Oil Gas & Mining
State of Utah

RECEIVED

AUG 14 1981

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-12872
Communitization Agreement No. NA
Field Name Willard
Unit Name NA
Participating Area NA
County GRAND State UTAH
Operator WILLARD PEASE OIL & GAS CO.
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 1981

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60) and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod	*Barrels of Oil	*MCF of Gas	Remarks
#24-3	24SE NW	18S	24E	GSI	0	0		TSI waiting for further testing & completion tool.

RECEIVED
OCT 18 1981
DIVISION OF OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: Elise A. Jakvoac Address: P.O. Box 548, Grand Jct., CO. 81502
Title: Elise A. Jakvoac, Admin. Officer Page 1 of 1



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 9, 1982

Willard Pease Oil & Gas Co.
570 Kennecott Building
Salt Lake City, Utah 84133

Re: Well No. Federal 24-3
Sec. 24, T. 18S, R. 24E
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building - Salt Lake City, UT 84114 • 801-533-5771

May 6, 1982

Willard Pease ~~Oil & Gas~~ Gas Company
570 Kennecott ~~Building~~
Salt Lake City, ~~Utah~~ 84133

Re: Well No. Federal #24-3
Sec. 24, T. 18S, R. 24E.
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

THIS IS REALLY A SUNDRY STATING

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

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

OPERATIONS SUSPENDED

5. LEASE DESIGNATION AND SERIAL NO. U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Federal

9. WELL NO. 24-3

10. FIELD AND POOL, OR WILDCAT WILDCAT

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

SE NW Sec. 24 T18S, R24E S1M

12. COUNTY OR PARISH GRAND 13. STATE UTAH

18. ELEV. CASING HEAD, RT, OR, ETC.)* 19. ELEV. CASING HEAD

23. INTERVALS DRILLED BY Rotary TOOLS

25. WAS DIRECTIONAL SURVEY MADE

27. WAS WELL CORRED

29. CASING RECORD (Report all strings set in well)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number) 1447 to 1452, 3/8, 2 shots per ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 1447 to 1452 Acidized 2 times w/7 1/2% MSR acid plus 1000 SCF/BBL N2 + 20% methonal

33. PRODUCTION DATE FIRST PRODUCTION -NA- PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) SI

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 J.H. Bertholt TITLE Consulting Engineer DATE 6-17-82

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 23 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TECH VERST. DEPTH
Dakota		1447	1452	shaley sand, contains gas			
38. GEOLOGIC MARKERS							

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR
P.O. Box 1874, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
**1766' E of WL and 1453' S of NL,
Sec. 24, T18S, R24E**

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, ST, GR, etc.)
4909.3 GR

5. LEASE DESIGNATION AND SERIAL NO.
U-12872

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
24-3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
**SE NW Sec.24, T18S, R24E
SLM**

12. COUNTY OR PARISH **GRAND** 13. STATE **UTAH**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

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

PLUG AND ABANDONMENT PROPOSAL

TD 2103; PBDT 1515; 4½", 10½# at 1550; 8 5/8", 24# at 172
7 7/8" hole below 8 5/8". Top Dakota 1442; Perfs 1447-1452

- 1) Plug No. 1 from 1515 up to 1400 with 10 sx
- 2) Cut off 4½" + 1150 and pull
- 3) Plug No. 2 from 1250 up to 1050 with 50 sx
- 4) Plug No. 3 from 220 up to 120 across 8 5/8"
- 5) Plug No. 4 at surface with 10 sx
- 6) Erect regulation marker, clean up and rehabilitate site.

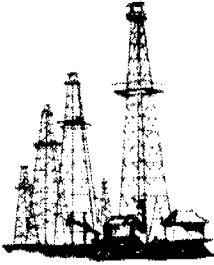
**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: _____
BY: _____

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

SIGNED J. H. Burkhardt TITLE Consulting Engineer DATE 1-19-83

(This space for Federal or State office use)

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



*Petroleum and Energy Consultants
Registered in Rocky Mountain States*

BURKHALTER ENGINEERING
715 Horizon Drive Suite 330
588 - 25 Road
Grand Junction, CO 81501
Telephone (303) 242-8555
(303) 242-8675

January 19, 1983

Mr. Norm Stout
Utah Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Willard Pease Oil & Gas
Well No. Federal 24-3
SE NW Sec. 24, T18S, R24E
Grand County, Utah

Dear Mr. Stout,

Enclosed are three copies of the Sundry Notice for Abandonment of the above referenced well. I have obtained verbal permission from Mr. Bill Martens of the Minerals Management Services for the procedure. I discussed this matter with you over the telephone January 19, 1983.

We will furnish a subsequent report of abandonment when the project is complete.

Very truly yours,

J.N. (Newt) Burkhalter, PE/LS

JNB/cp
enc.
cc Willard Pease Oil & Gas

RECEIVED
JAN 21 1983

**DIVISION OF
OIL GAS & MINING**

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-12872

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

24-3

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SE NW Sec. 24, T18S, R24E SLM

12. COUNTY OR PARISH GRAND

13. STATE UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [X] Other

1b. TYPE OF COMPLETION: NEW WELL [] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. REVEN. [] Other P & A

2. NAME OF OPERATOR

Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR

P.O. Box 1874, Grand Junction, Colo 81502

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

At surface 1766' E of WL and 1453' S of NL

At top prod. interval reported below

At total depth same

14. PERMIT NO. 43-019-30551 DATE ISSUED

15. DATE SPUDDED 1-11-80 16. DATE T.D. REACHED 1-15-80 17. DATE COMPL. (Ready to prod.) NA 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4909.3 GR 19. ELEV. CASINGHEAD NA

20. TOTAL DEPTH, MD & TVD 2103' 21. PLUG BACK T.D., MD & TVD 1515' 22. IF MULTIPLE COMPL., HOW MANY? NA 23. INTERVALS DRILLED BY All 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR; FDC-CNL GR; tracer log 27. WAS WELL CORRED No

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8 5/8, 4 1/2 casing sizes and Circulated, 90 sx Thixotropic cements.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), BAGS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Includes LINER RECORD and TUBING RECORD sections.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Includes details for 1447' to 1452' with 2 spf and material used like MSR and alcohol.

Table with 8 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO.

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 J.M. Bushnell TITLE Consulting Engineer DATE 2-21-83

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	1442	1455	Gas and water (very little of either)	Dakota MORRISON	1442 1550	NA NA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42 R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-12872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

24-3

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA

SE NW Sec. 24, T18S, R24E

12. COUNTY OR PARISH 13. STATE

GRAND

UTAH

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Willard Pease Oil & Gas Company

3. ADDRESS OF OPERATOR
P.O. Box 1874, Grand Junction, Colo 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1766' E of WL and 1453' S of NL,
Sec. 24, T18S, R24E

14. PERMIT NO. 15. ELEVATIONS (Show whether DE, RT, GR, etc.)
4909.3 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		
		WATER SHUT OFF	<input type="checkbox"/>
		FRACTURE TREATMENT	<input type="checkbox"/>
		SHOOTING OR ACIDIZING	<input type="checkbox"/>
		(Other)	<input type="checkbox"/>
		REPAIRING WELL	<input type="checkbox"/>
		ALTERING CASING	<input type="checkbox"/>
		ABANDONMENT*	<input checked="" type="checkbox"/>

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

PLUG AND ABANDONMENT PRECEDURE

TD 2103'; PBTD 1515'; 4½", 10½# at 1550'; 8 5/8"; 24# at 172 7 7/8" hole below 8 5/8". Top Dakota 1442'; Perfs - 1447'-1452'.

- 1) Plug No.1 from 1515 up to 1400 with 10 sx
- 2) Cut off 4½" + 1118 and pull
- 3) Plug No.2 from 1218 up to 1018 with 50 sx
- 4) Plug No.3 from 220 up to 120 across 8 5/8" with 30 sx
- 5) Plug No.4 at surface with 10 sx
- 6) Heavy mud was circulated between plugs
- 7) Regulation marker erected and location cleaned
- 8) Plug completed 1-27-83

RECEIVED
FEB 24 1983

DIVISION OF
OIL, GAS & MINING

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 2/28/83
BY: [Signature]

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

SIGNED

[Signature]

TITLE

Inventory Engineer

DATE

2-15

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 21, 1983

Willard Pease Oil & Gas Company
P. O. Box 1874
Grand Junction, Colorado 81502

Re: Well No. Federal # 24-3
Sec. 24, T. 18S, R. 24E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office February 21, 1983, from above referred to well, indicates the following electric logs were run: DIL-GR, FDC-CNL, GR, tracer log. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf

REGISTERED IN ROCKY MOUNTAIN STATES

BURKHALTER ENGINEERING
Petroleum and Energy Consultants

PE&A



715 Horizon Drive, Suite 330

~~565 X ZSCHMIDT~~
Grand Jct., Colorado 81501

Tel. (303) 242-8555
(303) 242-8675

August 17, 1983

43-019-30551

State of Utah, Natural Resources
Office of State Mining
421 State Office Bldg.
Salt Lake City, Utah 84114

RECEIVED

AUG 19 1983

Re: Well #Federal 24-3
Sec. 24, T18S, R24E
Grand County, Utah

DEPT. OF
STATE MINING

Dear Ms. Furse:

As per your request, we are enclosing the electric logs that were run on the Pease Well #Federal 24-3.

We are also enclosing a self addressed envelope with a copy of your transmittal so you may send us an acknowledgement.

Very truly yours,

J.N. Burkhalter
J.N. Burkhalter, PE/LS

JNB/ja
Enc.

W