

2-1-77. Plus red + abandoned

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned
and Indexed ✓

Checked by Chief ✓
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 2-1-77

Location Inspected

OW..... WW..... TA.....
OS..... PA. ✓

Bond released
State or Fee Land

LOGS FILED

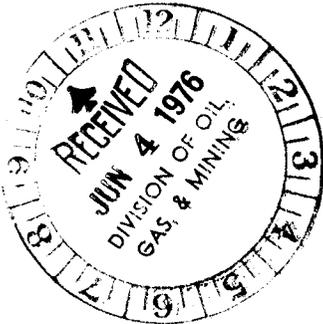
Driller's Log ✓
Metric Logs (No.) ✓
..... I..... Dual I Lat..... GR-N..... Micro.....
..... Sonic GR..... Lat..... Mi-L..... Sonic.....
..... CCLog..... Others.....

Gordon Engineering, Inc.

Consulting Engineers
Specialists in Oil & Gas

P. O. Box 3052
822 North Avenue
Grand Junction, Colo. 81501
(303) 245-1958

June 2, 1976



Re: Application for a Permit
to Drill, Westwater
Federal Well #M-11
778' FNL, 1313' FWL,
Sec. 19-17S-24E
Grand County, Utah

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

Dear Mr. Feight:

We are enclosing our Application for a Permit to Drill the above referenced well in triplicate. Please note the starting date of June 19, 1976.

Should you need additional information or have any questions, contact me at (303) 245-1958 or residence (303) 243-9599.

Very truly yours,

A handwritten signature in cursive script that reads "John I. Gordon".

John I. Gordon,
Consulting Engineer

JIG/jmt
Enclosures
cc: Mr. Willard H. Pease

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Willard Pease Oil and Gas Company

3. ADDRESS OF OPERATOR
 P. O. Box 3052, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface: 778' FNL, 1313' FWL, Sec. 19, T17S, R24E, Grand County, Utah
 At proposed prod. zone: N.A.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 43 miles NW of Fruita, Colorado

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 778

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH 5300' *Dakota*

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5550' G.L.

5. LEASE DESIGNATION AND SERIAL NO.
 SL-071893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 M-11

10. FIELD AND POOL, OR WILDCAT
 Westwater *Extension*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 19, T17S, R24E, SLB & M

12. COUNTY OR PARISH 13. STATE
 Grand Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 June 19, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" New	36#	100'	Cement to surface.
8 3/4"	7" New	20#	1000'	100 Sx Regular w/3%CaCl ₂
6 3/4"	4 1/2" New	9.5# & 10.5#	5300'	150 Sx 50-50 Pozmix

We propose to move in, rig up, and drill a 12 1/4" hole to approximately 100'. Run 9 5/8" casing and cement to surface. Nipple up BOP's and pressure test casing to 500 psi. Drill out shoe and drill to about 1000 ft. and set 7" casing with 100 Sx cement. Nipple up BOP and pressure test casing to 1000 psi. Drill out the shoe and drill to about 5300 ft. using air as the drilling medium. If the well is productive, 4 1/2" casing will be run, perforated, and the formation stimulated if necessary. If the well is non-productive, permission will be secured and the hole plugged and abandoned. Geologic objective is the Dakota, Cedar Mountain, and Morrison formations. Estimated Dakota top is approximately 4500', and the surface formation is the Mesa Verde. Commercial quantities of hydrocarbons are expected in the Dakota, Cedar Mountain and Morrison formations. Shallow water sands may be encountered, and these will be cased off. Surface casing will consist of new 9 5/8" K-55 Range 2 (30 ft. joints) casing. Intermediate casing will be new 7"-K-55 Range 2 casing and production casing will be a mixed string of new 4 1/2" K-55 Range 2. Wellhead equipment will consist of 2000 psi working pressure, 4000 psi test pressure type similar to a Larkin Figure 92. Any spools and flanges will be 10" or 6" Series 900 and Blowout Preventers will be 10" (over)

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

24. SIGNED John D. Gordon TITLE Consulting Engineer DATE 6-1-76

(This space for Federal or State office use)
 PERMIT NO. 43-019-30288 APPROVAL DATE _____

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

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

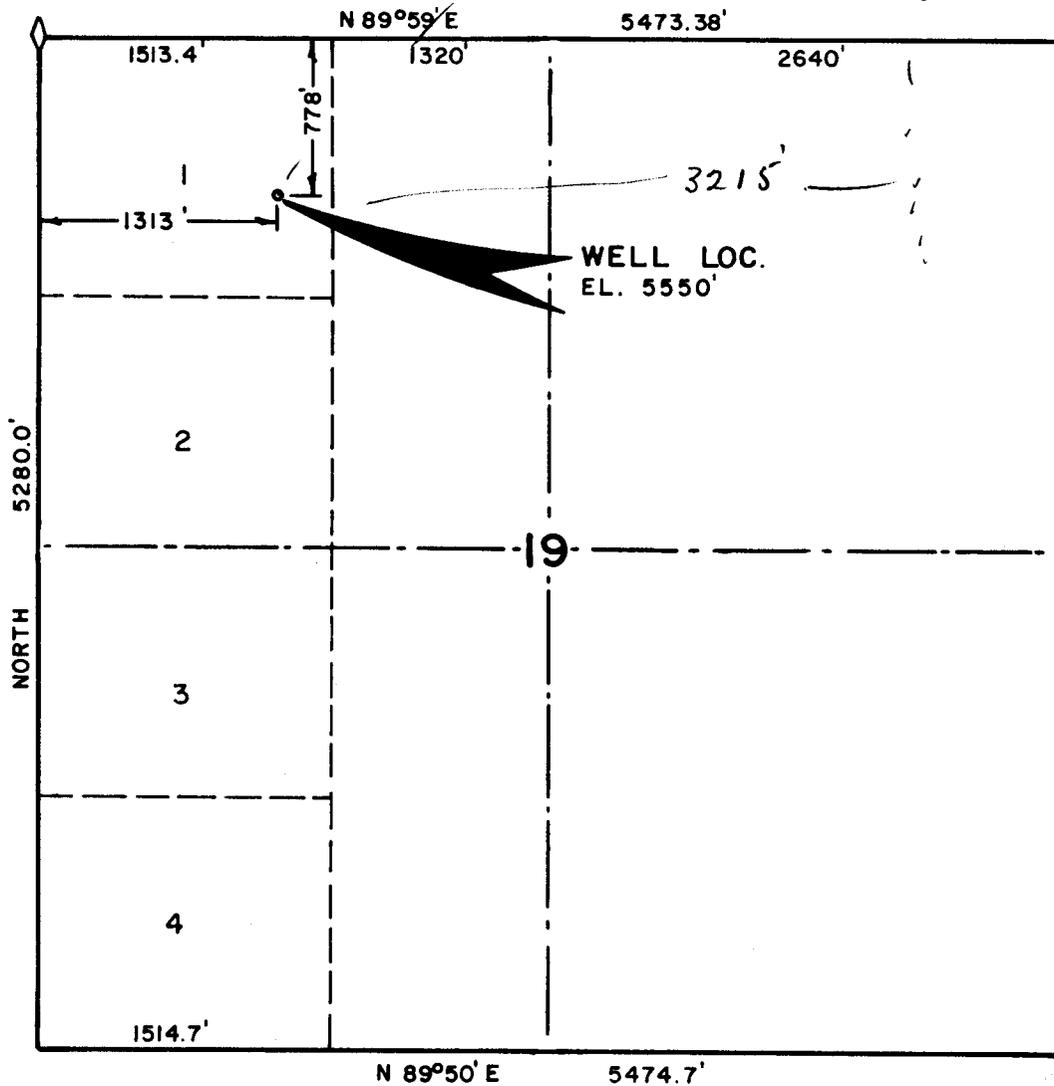
Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

*GPO 782-031

Series 900 flanged. The Blowout Preventor will consist of a doubly stacked double ram hydraulic actuated type similar to a Shaffer complete with accumulator. Blind rams and 4" pipe rams will be used. Operation of the BOP equipment will be tested daily, and the blind rams will be closed at every opportunity. Air is to be the drilling fluid, and a rotating head, float at the bit, and string float will be used. Other safety equipment will include a kelly cock and a full opening safety valve on the floor. No cores will be obtained and, by using air, the well will be tested continuously. Maximum pressure anticipated is 1400 psig which is the highest pressure found in any offsetting wells. A water base chemical-gel mud will be used to log and run casing. Electrical logs will consist of IES and FDC-CNL. Anticipated starting date is June 19, 1976, and operations should be completed within 45 days. Notification will be made and approval secured prior to any deviation from this program.

WELL LOCATION
 778 FT. S.N.L. - 1344 FT. E.W.L.
 SEC. 19, T 17 S, R 24 E, S.L.B. & M.



Scale 1" = 1000'

NOTE: ELEV. FROM DRILL HOLE IN SW ¼ SEC. 18,
 T17 S, R 24 E, S.L.B. & M. ELEV. GIVEN
 AS 5609.

- R.P. 100' NORTH EL. 5548.7
- R.P. 80' SOUTH EL. 5555.3
- R.P. 100' WEST EL. 5553.7
- R.P. 130 EAST EL. 5548

I, David L. Bear do hereby certify that this plot
 was plotted from notes of a field survey made under my
 direct responsibility, supervision and checking on
 May 14, 1976.

David L. Bear
 Registered Land Surveyor

WESTERN ENGINEERS, INC.
 WELL LOCATION
 WILLARD PEASE OIL & GAS CO.
 WESTWATER FED. M-11
 GRAND COUNTY, UTAH

Revised 6/1/76

SURVEYED D.L.B. DRAWN R.W.O.
 GRAND JUNCTION, COLO. 5/17/76

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: June 4,

Operator: Willard Pease Oil & Gas

Well No: Federal M-11

Location: Sec. 19 T. 17S R. 24E County: Grand

File Prepared

Entered on N.I.D.

Card Indexed

Completion Sheet

Rec. Approval

Checked By:

Administrative Assistant: *[Signature]*

Remarks:

Petroleum Engineer/Mined Land Coordinator: *[Signature]*

Remarks:

Director: *[Signature]*

Remarks:

Handwritten notes in a large circle:
A765
From Existing well in Westwater Unit
O.K checked on site
has no alternative but to drill here

Include Within Approval Letter:

Bond Required

Survey Plat Required

Order No.

Blowout Prevention Equipment

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

O.K. Rule C-3

O.K. In Unit

Other:

Letter Written

June 10, 1976

Willard Pease Oil & Gas Company
c/o Gordon Engineering
P.O. Box 3052
Grand Junction, Colorado 81501

Re: Well No. Federal M-11
Sec. 19, T. 17,S, R. 24 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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

PATRICK J. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-019-30288.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw
cc: U.S. Geological Survey

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Willard Pease Oil & Gas Company #M-11	778' FNL, 1313' FWL, sec. 19, T.17S, R.24E, SLM, Grand Co, Utah, Gr. El. 5550'.	SL-071893
<p>1. Stratigraphy and Potential Well will spud in the Mesaverde Group and Tuscher Oil and Gas Horizons. Formation, which is a conglomeratic fluvial sandstone. Oil Resources #2, sec. 18 of same township, reports the following tops: Entrada-5020', Carmel-5176', Navajo-5292', Wingate-5416', Chinle-5824'. T.D.: 5951'.</p> <p>2. Fresh Water Sands. WRD reports: See page 2.</p> <p>3. Other Mineral Bearing Formations. Within the valuable prospectively for coal. (Coal, Oil Shale, Potash, Etc.) Coal beds are present in the Price River Formation, which is part of Mesaverde Group. However, Fisher (1936, USGS Bulletin 852, pp. 97) states no coals of possible economic value are present in this township.</p> <p>4. Possible Lost Circulation Zones. Unknown</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Unknown</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. Unknown</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Probably competent.</p> <p>8. Additional Logs or Samples Needed. None</p> <p>9. References and Remarks None</p>		
Date: AUG 20 1976		Signed: <i>State Oil & Gas</i> <i>Eileen Pease</i>

1 B. (D-17-24)6 ba

Depths of Fresh-Water Zones

Oil Inc., Horse Point Unit No. M-7
2814 fnl, 735 fwl, sec. 6, T 17 S, R 24 E, SLBM, Grand County, Utah
Elev. 6076 ft.
Surface casing to 1850, proposed test to 5900 ft.

In this vicinity the deepest fresh-water zone is the Castle Gate Mem of the Mancos Shale:

Castle Gate Mem 1500 - 1600 aquifer, may contain fresh water or water not too brackish to be used by stock

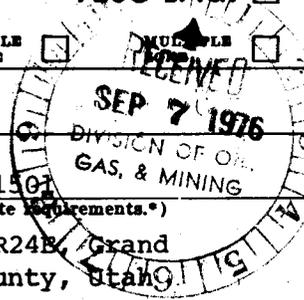
Deeper formations, if aquifers, may yield salty water or brine.

CTS
12-2-69

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [] PLUG BACK []
b. TYPE OF WELL: OIL WELL [] GAS WELL [X] OTHER [] SINGLE ZONE [] MULTIPLE ZONE []
2. NAME OF OPERATOR: Willard Pease Oil and Gas Company
3. ADDRESS OF OPERATOR: P. O. Box 3052, Grand Junction, Colorado 81501
4. LOCATION OF WELL: 778' FNL, 1313' FWL, Sec. 19, T17S, R24E, Grand County, Utah
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 43 miles NW of Fruita, Colorado
16. NO. OF ACRES IN LEASE: 778
17. NO. OF ACRES ASSIGNED TO THIS WELL: 320
19. PROPOSED DEPTH: 5300'
21. ELEVATIONS: 5550' G.L.



5. LEASE DESIGNATION AND SERIAL NO.: SL-071893
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME: Federal
9. WELL NO.: M-11
10. FIELD AND POOL, OR WILDCAT: Westwater
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T17S, R24E, SLB & M
12. COUNTY OR PARISH: Grand
13. STATE: Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4" hole with 9 5/8" casing, 8 3/4" casing, and 6 3/4" casing.

We propose to move in, rig up, and drill a 12 1/4" hole to approximately 100'. Run 9 5/8" casing and cement to surface. Nipple up BOP's and pressure test casing to 500 psi. Drill out shoe and drill to about 1000 ft. and set 7" casing with 100 Sx cement. Nipple up BOP and pressure test casing to 1000 psi. Drill out the shoe and drill to about 5300 ft. using air as the drilling medium. If the well is productive, 4 1/2" casing will be run, perforated, and the formation stimulated if necessary. If the well is non-productive, permission will be secured and the hole plugged and abandoned. Geologic objective is the Dakota, Cedar Mountain, and Morrison formations. Estimated Dakota top is approximately 4500', and the surface formation is the Mesa Verde. Commercial quantities of hydrocarbons are expected in the Dakota, Cedar Mountain and Morrison formations. Shallow water sands may be encountered, and these will be cased off. Surface casing will consist of new 9 5/8" K-55 Range 2 (30 ft. joints) casing. Intermediate casing will be new 7"-K-55 Range 2 casing and production casing will be a mixed string of new 4 1/2" K-55 Range 2. Wellhead equipment will consist of 2000 psi working pressure, 4000 psi test pressure type similar to a Larkin Figure 92. Any spools and flanges will be 10" or 6" Series 900 and Blowout Preventers will be 10" (over) 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: 6-1-76

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE: DISTRICT ENGINEER DATE: SEP 03 1976

*See Instructions On Reverse Side

APPROVAL NOTICE - UTAH STATE OIL, GAS & MINING

Instructions

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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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

* GPO 782-931

Series 900 flanged. The Blowout Preventor will consist of a doubly stacked double ram hydraulic actuated type similar to a Shaffer complete with accumulator. Blind rams and 4" pipe rams will be used. Operation of the BOP equipment will be tested daily, and the blind rams will be closed at every opportunity. Air is to be the drilling fluid, and a rotating head, float at the bit, and string float will be used. Other safety equipment will include a kelly cock and a full opening safety valve on the floor. No cores will be obtained and, by using air, the well will be tested continuously. Maximum pressure anticipated is 1400 psig which is the highest pressure found in any offsetting wells. A water base chemical-gel mud will be used to log and run casing. Electrical logs will consist of IES and FDC-CNL. Anticipated starting date is June 19, 1976, and operations should be completed within 45 days. Notification will be made and approval secured prior to any deviation from this program.

OIL & GAS OPERATIONS
RECEIVED

JUN 3 1976

SALT LAKE CITY, UTAH

Self Labor

ORAL APPROVAL TO PLUG AND ABANDON WELL

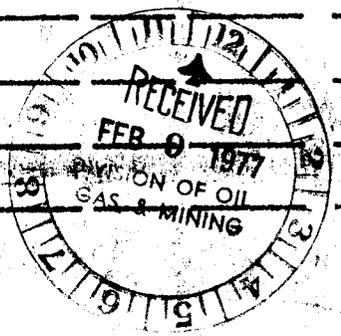
Operator Pease OEG Representative John Gordon
 Well No. M-11 Located 7784N 1313'4 W Line
 Lease No. SL-071893 Field West Water State UTAH
 Unit Name and Required Depth Spud 1/22/77
 Base of fresh water sands

T.D. 5532 Size hold and Fill per Sack 6 1/4" Mud Weight and Top 18.7 #/gal #/Gal. 8.7 #/gal

Casing Size	Set At	Top of Cement	To Be Pulled	From	To	Plugging Requirements
10 3/4	162'	150'	3% CaCL			100x @ sur w/ reg marker
7"	1230'	60'	2% CaCL			165-90 75' cement @ shoe

Formation	Top	Base	Shows
M.U Surface			
Marcos	1025'		
Del.	5006'		
Morris	5204'		with @ 5532'

25 Sx . 5532 - 5432
 25 Sx 4950 - 5080
 25 Sx 1270 - 1170
 well attempt to back off 7'
 if successful, 25s across
 stub & 25 Sx across
 surface above
 10 Sx surface w/ marker



Remarks

DST's, lost circulation zones, water zones, etc. 1) Clean up all materials, trash, debris, etc 2) Fill in all holes (rathole mousehole, etc) 3) Fence pit until dry or fold-in & level & contour 4) Cover trash in fresh pit w/ min 4' cover 5) Reseeding program not specified by BLM - Need program

Approved by [Signature] Date 3/3/77 Time 2:11 P.M.
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

CC: Operator w/ Cond. of Appr.
 BLM, Moab (Dan Nagle) w/ Cond. of Appr
 USGS, Vernal (John Dennis, SEC) Dist. Gas & Mining, State of Utah

Willard Pease oil & gas
 M-11. NWNW
 sec 19-17s-24E
 SL-071893
 Grand County Utah
 BLM - Neggly
 1565 - ALEXANDER
 Pease - Gordon
 Enhance
 NO Effect
 minor impact
 major impact.

Category	Gas Construction			Pollution			Drilling Production			Transport Operations			Accidents		Others			
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks

Category	NA	Matrix																		
		Construction	Pollution	Drilling	Transport	Accidents	Others	Construction	Pollution	Drilling	Transport	Accidents	Others	Construction	Pollution	Drilling	Transport	Accidents	Others	
Forestry	NA																			
Grozing	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Wilderness	NA																			
Agriculture	NA																			
Residential-Commercial	NA																			
Mineral Extraction	NA																			
Recreation	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Scenic Views	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Parks, Reserves, Monuments	NA																			
Historical Sites	NA																			
Unique Physical Features	NA																			
Birds	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Land Animals	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Fish	NA																			
Endangered Species	NA																			
Trees, Grass, Etc.	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Surface Water	NA																			
Underground Water	?																			
Air Quality	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Erosion	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Other																				
Effect On Local Economy	L	0	0					0						0						
Safety & Health	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Others																				

orig - FILE
 cc - BLM w/o matrix
 REGIONAL - DVA ✓
 Utah State O-G-M ✓

Lease

SL-02893

Well No. & Location

M-11 - NWNW Sec 19-17S-24E

Grand County, Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

- 1.) Willard Pease Oil & Gas Company proposes to drill a development gas test well w/rotary tools to approx 5300'
- 2.) proposes to construct a drill pad 250' x 150' including a small 15' x 30' x 6' reserve pit.
- 3.) proposes to construct approx 300' of new access road that ties with an existing road that will need no work.

2. Location and Natural Setting (existing environmental situation)

The location fall in the bottom of middle canyon. The site is bordered on the southwest by steep canyon walls and on the northeast by a 10' drainage.

The vegetation is the usual sage brush, and assorted native grasses.

The wildlife is the usual clear assortment of small game and predators. There are no known endangered species.

The land is used primarily for cattle grazing and is considered good grazing land.

There are no known historical sites in the nearby area and no evidence of archeological sites was noted.

Note: This area is part of BLM's Book Mountain planning unit. July 1975.

3. Effects on Environment by Proposed Action (potential impact)

The drilling and completion of a dry hole or failure would have little long term effect on the environment.

Discovery of an oil or gas deposit would ~~at~~ have moderate effect in that there are producing wells in the nearby area.

There would be moderate ~~of~~ scaring of the area which would require 2 to 5 years to rehab completely.

The drilling and associated traffic would add a minor amount of pollution to the air as well as temporarily disturbing livestock and wildlife.

There would be potential for minor induced and accelerated erosion due to surface disturbance for drill site and support traffic use.

4. Alternatives to the Proposed Action

Not Approving the proposed permit

Denying the proposed permit and suggesting an alternative location where ~~an~~ environmental damage would be lessened. No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

Temporary disturbance of livestock and wildlife.

Temporary mess due to drilling activity and recurring about 2 to 5 years to Rehab.

Detraction from the aesthetics.

minor air pollution due to exhaust emissions from rig engines and support traffic. - Short term

potential for minor induced & accelerated erosion due to surface disturbances for access roads and drill sites and support traffic.

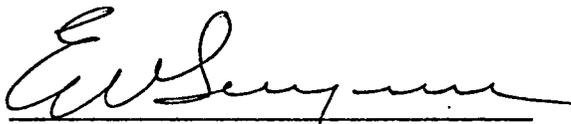
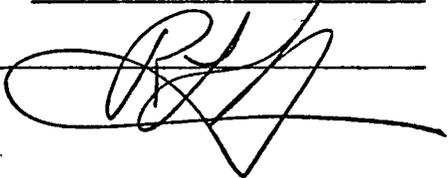
6. Determination

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

Date Inspected

6-8-76

Inspector



U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah



LOCATION - PROJECT: 1111 2nd St
 DOWELL ENGINEER: [Signature]
 STATE: Utah

M-11

NAME: Wellhead Production Unit + Co. Dlg. Co.
 AND: Box 548
 ADDRESS: Grand Junction Colo
 ZIP CODE: 81501

FIG. NAME: _____

WELL DATA

HOLE SIZE: <u>6 1/4</u>	CASING	A	B	C	D
DEPTH: <u>5532</u>	SIZE-WEIGHT: <u>7"</u>				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	LENGTH: <u>1200'</u>				
BHST	GRADE				
BHLT	THREAD				
BHCT	CAPACITY				

MUD: TYPE _____ WT. _____ VISC. _____

SHOE FLOAT	TYPE		STAGE TOOL	TYPE	
	DEPTH			DEPTH	
SHOE FLOAT	TYPE		STAGE TOOL	TYPE	
	DEPTH			DEPTH	

TBG D.P. HEAD & PLUGS _____ SQUEEZE JOB _____

SIZE: <u>3 1/2</u>	<input type="checkbox"/> DOUBLE	TOOL	TYPE	
WEIGHT: <u>13.30</u>	<input type="checkbox"/> SINGLE		DEPTH	
GRADE	<input type="checkbox"/> SWAGE	TAIL PIPE: IN. FT.		
THREAD: <u>2 1/2</u>	<input type="checkbox"/> KNOCKOFF	PERF INTERVAL FT.		
<input type="checkbox"/> NEW <input type="checkbox"/> USED	TOP <input type="checkbox"/> R <input type="checkbox"/> W	TO		
DEPTH: <u>5532</u>	BOT <input type="checkbox"/> R <input type="checkbox"/> W	TO		
CAPACITY	OTHER	TO		

SPECIAL INSTRUCTIONS: 370' of Displace Cement
1" Plug For PTA

1st Plug 5532-5432 - 25 sks
2nd Plug 5432-4950 - 25 sks
3rd Plug 4950-4470 - 25 sks
4th Plug 4470-30' Bottom - 25 sks
10 sks

PRESSURE LIMIT _____ PSI BUMP PLUG TO _____ PSI MIN _____

RECIPROCATE CENTRALIZERS NO _____

JOB SCHEDULED FOR TIME: 15:30 DATE: 1-31 ARRIVED ON LOCATION TIME: 20:10 DATE: 1-31 LEFT LOCATION TIME: 16:30 DATE: 2-1-77

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	REMARKS
	TBG. OR D.P.	CASING			
					Run up Dowell want on Bulk Tank
					Bulk Tank on operation Rig Running 2" Pipe
					Safety Meeting
			0	3	Temp 10 bbls water ahead
			10	2-4	Mix pump 5 bbls slurry
			15		Displace with 2 1/2 bbls water + 36 bbls mud
			53.5	-	Shut Down Low Down Pipe
			0	3	Temp 10 bbls water ahead
			10	2-4	Mix pump 5 bbls slurry at 15.8 lb/gal
			15		Displace with 2 1/2 bbls water + 32 bbls mud
01:30			49.5	-	Shut Down Low Down 2nd 1" Pipe
10:00			0	4	Temp 10 bbls water ahead
			10	4	Mix pump 5 bbls slurry at 15.8 lb/gal
			15		Displace with 2 1/2 bbls water + 32 bbls mud
10:05			18 1/2		Shut Down - Draw up Tank first 1" by
15:20			0	5	Temp 21 bbls water ahead
			21	4	Mix pump 5 bbls slurry at 15.8 lb/gal
15:30			26	7	Displace with 1 1/2 bbls water + 36 bbls mud
					Run Down Dowell

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			WT.	WT.	VOL.	WT.
I.	110	114	C/100	100	22	15.8
II.						
III.						

BREAKDOWN FLUID WT. _____ SACKS MIXED 100 PUMPED 100 PRESSURE MAX: _____ MIN: _____

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO CEMENT CIRCULATED TO SURF. YES NO

BREAKDOWN PSI FINAL _____ PSI CEMENT LEFT IN PIPE: None FT. _____

WASHED THRU YES NO TO _____ FT MEASURED DISPLACEMENT WIRELINE AS PLANNED UNAVAILABLE

TYPE OF WELL OIL STORAGE BRINE/WATER GAS INJECTION WILDCAT CUSTOMER REPRESENTATIVE: [Signature] DOES CUSTOMER CONSIDER SERVICE: SATISFACTORY UNSATISFACTORY UNKNOWN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

SL-071893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

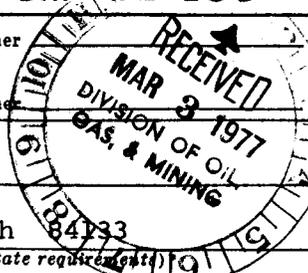
M-11

10. FIELD AND POOL, OR WILDCAT

Westwater

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

Sec. 19, T17S, R24E, SLB & M



WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR
WILLARD PEASE OIL & GAS COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 778' FNL, 1313' FWL, Sec. 19, T17S, R24E, Grand County Utah
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH Grand
13. STATE Utah

15. DATE SPUNDED 1/22/77
16. DATE T.D. REACHED 1/31/77
17. DATE COMPL. (Ready to prod.) 2/1/77
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5550' G.L.
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5532
21. PLUG, BACK T.D., MD & TVD DXA
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS X
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* DXA
25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Induction
27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5#	162'	12 1/4"	150 Sx Class G w/3% CaCl ₂	None
7"	20#	1230'	8 3/4"	60 Sx REG w/2% CaCl ₂	281'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Cement Plugs @:
5532' - 5432': 25 Sx
5050' - 4950': 25 Sx
1270' - 1170': 25 Sx
165' - 90': 25 Sx
Surface: 10 Sx w/Regulation Marker

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
DXA		DXA					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Consulting Engineer DATE 2/28/77

*(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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS									
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.								
		NAME	TOP								
		MEAS. DEPTH	TRUE VERT. DEPTH								
Surface to T.D.		Air or air mist drilled. No evidence of hydrocarbons present. Found Water @ 5532'.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Mesa Verde</td> <td style="width: 50%;">Surface</td> </tr> <tr> <td>Mancos</td> <td>1028'</td> </tr> <tr> <td>Dakota</td> <td>5006'</td> </tr> <tr> <td>Morrison</td> <td>5204'</td> </tr> </table>	Mesa Verde	Surface	Mancos	1028'	Dakota	5006'	Morrison	5204'
Mesa Verde	Surface										
Mancos	1028'										
Dakota	5006'										
Morrison	5204'										



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number WESTWATER FEDERAL #M-11

Operator WILLARD PEASE OIL & GAS COMPANY

Address 570 KENNECOTT BUILDING, SALT LAKE CITY, UTAH 84133

Contractor WILLARD PEASE DRILLING COMPANY

Address P. O. Box 548, GRAND JUNCTION, COLORADO

Location NW 1/4, NW 1/4, Sec. 19 ; T. 17 ~~X~~ R. 24 E; GRAND County
S XWX

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	From-	To-		
1.	<u>0 - 162'</u>		<u>SURFACE SANDS - NO FLOW RATE</u>	
2.	<u>162' - 1230'</u>		<u>UNKNOWN</u>	
3.	<u>1230' - 5532'</u>		<u>NONE</u>	
4.	<u>5532'</u>		<u>UNKNOWN</u>	<u>FRESH</u>
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

MESA VERDE: SURFACE
MANCOS: 1028'
DAKOTA: 5006'
MORRISON: 5204;

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1424.

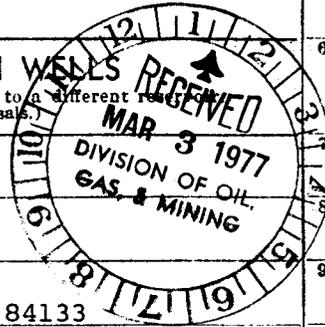
5. LEASE DESIGNATION AND SERIAL NO.

SL-071893

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.

M-11

10. FIELD AND POOL, OR WILDCAT

Westwater

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

Sec. 19, T17S, R24E, SLB & M

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.)
A: surface

778' FNL, 1313' FWL, Sec. 19, T17S, R24E, Grand County, Utah

14. PERMIT NO.

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

5550' G.L.

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:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

Abandon

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

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

17. OPERATIONS 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.)*

Well spudded @ 8:00 AM 1/22/77.

Ran and cemented 162' of 10-3/4" Surface Pipe. Cemented with 150 Sx Class G Cement with 3% CaCl₂.

Ran and cemented 1230' of 7"-20# K-55 Casing. Cemented with 60 Sx Class G with 2% CaCl₂.

Drilled to 5532' with air and air mist. No evidence of commercial hydrocarbons present. Found water @ 5532'.

Formations:

Mesa Verde: Surface
Mancos: 1028'
Dakota: 5006'
Morrison: 5204'

Cement Plugs @:

5532' - 5432': 25 Sx
5050' - 4950': 25 Sx
1270' - 1170': 25 Sx
165' - 90': 25 Sx
Surface: 10 Sx W/Regulation Marker

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: March 9, 1977

BY: Ph Ansell

Unscrewed and pulled 281' of 7"-20# Intermediate Casing.

Operations complete on 2/1/77.

Verbal approval to PXA granted by W. J. Linton @ 2:11 PM, 1/31/77.

Restoration of the surface disturbance should be completed by 5/31/77.

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

SIGNED

John Dahl

TITLE

Consulting Engineer

DATE

2/28/77

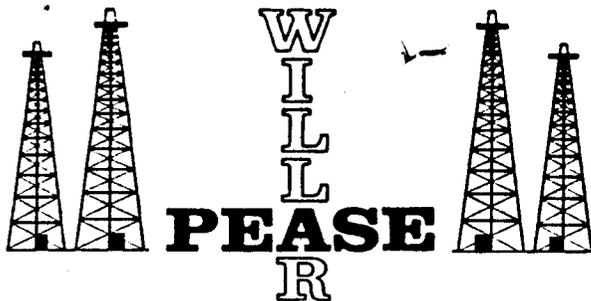
This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



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

January 7, 1980

E. W. Gynn
District Engineer
U. S. Geological Survey
Conservation Division
1745 West 1700 South
Salt Lake City, Utah 84104

RECEIVED

JAN 9 1980

DIVISION OF
OIL, GAS & MINING

Re: M-11 & M-12
Sec's 19 & 11, T17S, R23E & 24E
Grand County, Utah
Lease #SL-071893A

Dear Mr. Gynn:

Enclosed is Form 9-331 of **M-11** & M-12 Wells, each in triplicate, regarding final abandonment of the wells.

If anything further is needed for final approval please let me know.

Sincerely yours,

Lu Rhodes
Lu Rhodes (Mrs.)
Assistant Secretary

cc: State of Utah w/enclosures

Encls.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
SL-071893

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
M-11

10. FIELD AND POOL, OR WILDCAT
Westwater

11. SEC., T., R., E., M., OR BLK. AND SURVEY OR AREA
Sec 19, T17S, R24E, SLB&M

12. COUNTY OR PARISH 13. STATE
Grand Utah

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

778' FNL, 1313' FWL, Sec 19, T17S, R24E, Grand County, Utah

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

5550' G. L.

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 type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(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.)*

Drilled to 5532' with air and air mist. No evidence of commercial hydrocarbons present. Found water at 5532'.

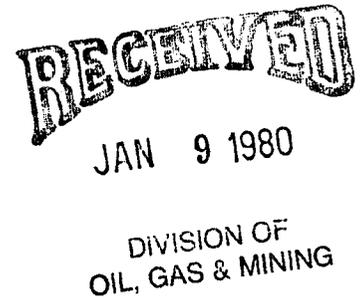
Mud weight up to 9/88 ppg

Cement Plugs @:

5532' - 5432': 25 sx
5050' - 4950': 25 sx
1270' - 1170': 25 sx
 165' - 90': 25 sx
Surface: 10 sx w/regulation marker

Unscrewed & pulled 281' of 7" - 20# intermediate casing - completed 2/1/77.

Drill site restored and reseeded in January of 1978.



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

SIGNED *Du Rhodes* TITLE Assistant Secretary DATE January 7, 1980.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS DATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.
SL-071893

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
M-11

10. FIELD AND POOL, OR WILDCAT
Westwater

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec 19, T17S, R24E, SLB&M

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
778' FNL, 1313' FWL, Sec 19, T17S, R24E, Grand County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5550' G. L.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

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

(Other) _____

FINAL

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.)*

Drilled to 5532' with air and air mist. No evidence of commercial hydrocarbons present. Found water at 5532'.

Mud weight up to 9/88 ppg

Cement Plugs @:

5532' - 5432': 25 SX
5050' - 4950': 25 SX
1270' - 1170': 25 SX
165' - 90': 25 SX
Surface: 10 SX w/regulation marker

Unscrewed & pulled 281' of 7" - 20# intermediate casing - complete

Drill site restored and reseeded in January of 1978.

RECEIVED
APR 22 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED _____

TITLE Assistant Secretary

DATE January 7, 1980.

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY

James B. ... 940 ...

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number WESTWATER FEDERAL #M-11

Operator WILLARD PEASE OIL & GAS COMPANY

Address 570 KENNECOTT BUILDING, SALT LAKE CITY, UTAH 84133

Contractor WILLARD PEASE DRILLING COMPANY

Address P. O. Box 548, GRAND JUNCTION, COLORADO

Location NW 1/4, NW 1/4, Sec. 19 ; T. 17 ~~XWX~~ S R. 24 E; GRAND County
S XWX

Water Sands:

1.	Depth:		Volume: Flow Rate or Head -	Quality: Fresh or Salty -
	From-	To-		
1.	<u>0 - 162'</u>		<u>SURFACE SANDS - NO FLOW RATE</u>	
2.	<u>162' - 1230'</u>		<u>UNKNOWN</u>	
3.	<u>1230' - 5532'</u>		<u>NONE</u>	
4.	<u>5532'</u>		<u>UNKNOWN</u>	<u>FRESH</u>
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

MESA VERDE: SURFACE
MANCOS: 1028'
DAKOTA: 5006'
MORRISON: 5204;

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number WESTWATER FEDERAL #M-11

Operator WILLARD PEASE OIL & GAS COMPANY

Address 570 KENNECOTT BUILDING, SALT LAKE CITY, UTAH 84133

Contractor WILLARD PEASE DRILLING COMPANY

Address P. O. Box 548, GRAND JUNCTION, COLORADO

Location NW 1/4, NW 1/4, Sec. 19 ; T. 17 ~~XXX~~ R. 24 E; GRAND County
S XWX

Water Sands:

1.	Depth:		Volume:	Quality:
	From-	To-		
1.	<u>0 - 162'</u>		<u>SURFACE SANDS - NO FLOW RATE</u>	
2.	<u>162' - 1230'</u>		<u>UNKNOWN</u>	
3.	<u>1230' - 5532'</u>		<u>NONE</u>	
4.	<u>5532'</u>		<u>UNKNOWN</u>	<u>FRESH</u>
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

MESA VERDE: SURFACE
MANCOS: 1028'
DAKOTA: 5006'
MORRISON: 5204;

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL AND GAS CONSERVATION
 1588 West North Temple
 Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number WESTWATER FEDERAL #M-11

Operator WILLARD PEASE OIL & GAS COMPANY

Address 570 KENNECOTT BUILDING, SALT LAKE CITY, UTAH 84133

Contractor WILLARD PEASE DRILLING COMPANY

Address P. O. Box 548, GRAND JUNCTION, COLORADO

Location NW 1/4, NW 1/4, Sec. 19 ; T. 17 ~~X~~_S R. 24 ~~E~~_X GRAND County

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	<u>From-</u>	<u>To-</u>		
1.	<u>0 - 162'</u>		<u>SURFACE SANDS - NO FLOW RATE</u>	
2.	<u>162' - 1230'</u>		<u>UNKNOWN</u>	
3.	<u>1230' - 5532'</u>		<u>NONE</u>	
4.	<u>5532'</u>		<u>UNKNOWN</u>	<u>FRESH</u>
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

MESA VERDE: SURFACE
 MANCOS: 1028'
 DAKOTA: 5006'
 MORRISON: 5204;

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
 (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
 (c) if a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL AND GAS CONSERVATION
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UTAH STATE
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

INSPECTION RECORD - ABANDONMENT

Date 2-16-84
Location (T-R-S) 175 24E 19
Field Area _____
County Grand
State UT
Inspector Moore

WELL NAME Fed M-11 2088
Operator Willard Pease Oil & Gas
Contractor & Rig _____
Lease Number SL 071893
Type of Well* _____
INC Issued _____

	YES	NO
1. Plugs spotted across perforations if casing set?		
2. Plugs spotted at casing stubs?		
3. Open hole plugs spotted as specified?		
4. Retainers, bridge plugs, or packers set as specified?		
5. Cement quantities as specified?		
6. Method of verifying and testing plugs as specified?		
7. Pipe withdrawal rate satisfactory after spotting plug?		
8. All annular spaces plugged to surface?		

Plug tested: No Pressured Tagged
If tested, which plug(s) _____

Cement and mechanical plug placement data (attach service company report if available): _____

Cement plug spotting method: _____

Operation(s) witnessed: _____

Additional Remarks: Proper surface restoration and marking

* Dry hole, depleted producer, service, water well, etc.