

5/23/77 - P.I. reported with PCA - 2nd 0/77

2-21-77 - Plugged & abandoned

FILE NOTATIONS

Entered in N I D File

Checked by Chief

Entered On S R Sheet

Copy N I D to Field Office

Location Map Pinned

Approval Letter

Card Indexed

Disapproval Letter

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed

2-21-77

Location Inspected

OW

WW

TA

Bond released

State of Fee Land

GW

OS

PA

LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

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 & GAS CO.

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 2162' FSL, 2430' FWL, Sec. 6, T19S, R22E, Grand County, Utah
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 18 MILES NW OF CISCO, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2162'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1 1/2 MI.

19. PROPOSED DEPTH
 6300'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6115' G.L.

22. APPROX. DATE WORK WILL START*
 November, 15, 1976

5. LEASE DESIGNATION AND SERIAL NO.
 U-036847

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 FEDERAL

9. WELL NO.
 6-1

10. FIELD AND POOL, OR WILDCAT
 Book Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 6, T19S, R22E, SLB&M

12. COUNTY OR PARISH
 GRAND

13. STATE
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	95/8	36#	150'	Cement to Surface W/REG.+2% CaCl ₂
8 3/4"	7"	20#	2200'	100Sx Req.
6 1/2"	4 1/2"	10.5#	6300'	200Sx 50-50 PozMix

We propose to rig up and drill a 12-1/4" hole to approximately 150' ft. and set 9-5/8"-36# new K-55 Range 2 (30 ft. joints) surface casing. After nipping up, the surface casing and BOP's will be pressure tested to 500 psi. The shoe will be drilled out and an 8-3/4" hole will be drilled to about 2200 ft. using a water-base chemical-gel mud. A 7"-20# new K-55 Range 2 intermediate casing string will be run and cemented. After nipping up, the casing and BOP's will be pressure tested to 500 psi. The shoe will be drilled out and a 6-1/4" hole will be drilled to about 6300 ft. using air as the drilling fluid. Should the well be productive, 4-1/2"-10.5# and new K-55 Range 2 casing will be run and cemented. It will then be perforated, tested, and stimulated if necessary. If the well is non-productive, permission will be secured and the well plugged and abandoned. Potentially productive intervals are the Dakota, Cedar Mountain, Morrison, and Entrada formations. Wellhead equipment will consist of 2000 psi working pressure, 4000 psi test pressure Hinderlighter equipment or equivalent. Blowout prevention equipment will consist of a Shaffer 10" Series 900 flanged tandem stacked double ram hydraulic actuated type with an accumulator and controls for off the

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 J. D. Gordon TITLE Consulting Engineer DATE 10-21-76
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

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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

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Mesa Verde	Surface
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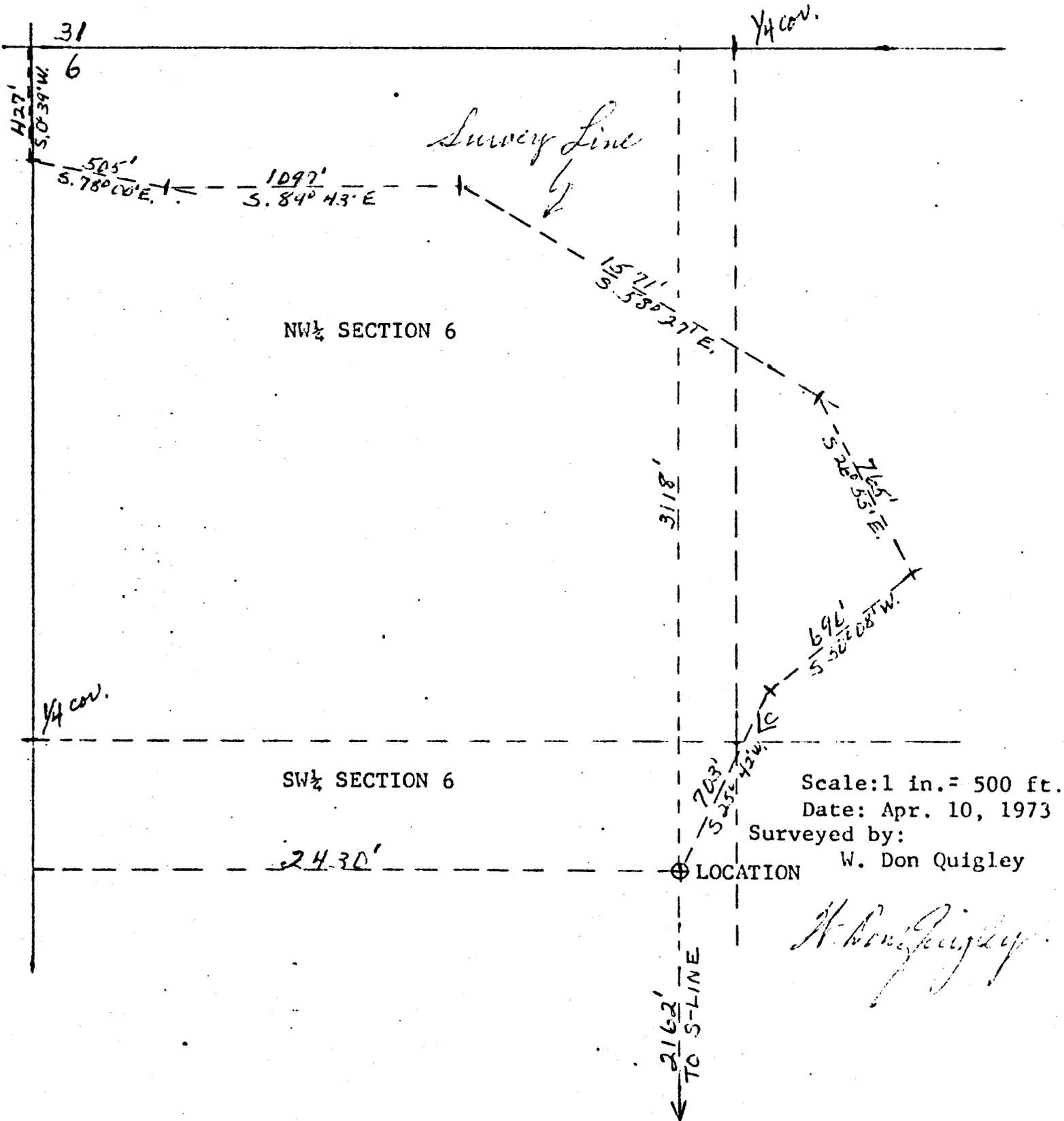
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LOCATION PLAT FOR
 WILLARD PEASE OIL & GAS COMPANY
 BOOK CLIFFS FED # 6-1
 NE.SW.SEC.6-19S-22E
 GRAND COUNTY, UTAH
 Elev.: 6115' grd.



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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
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24. SIGNED John D. Jordan TITLE Consulting Engineer DATE 10-21-76

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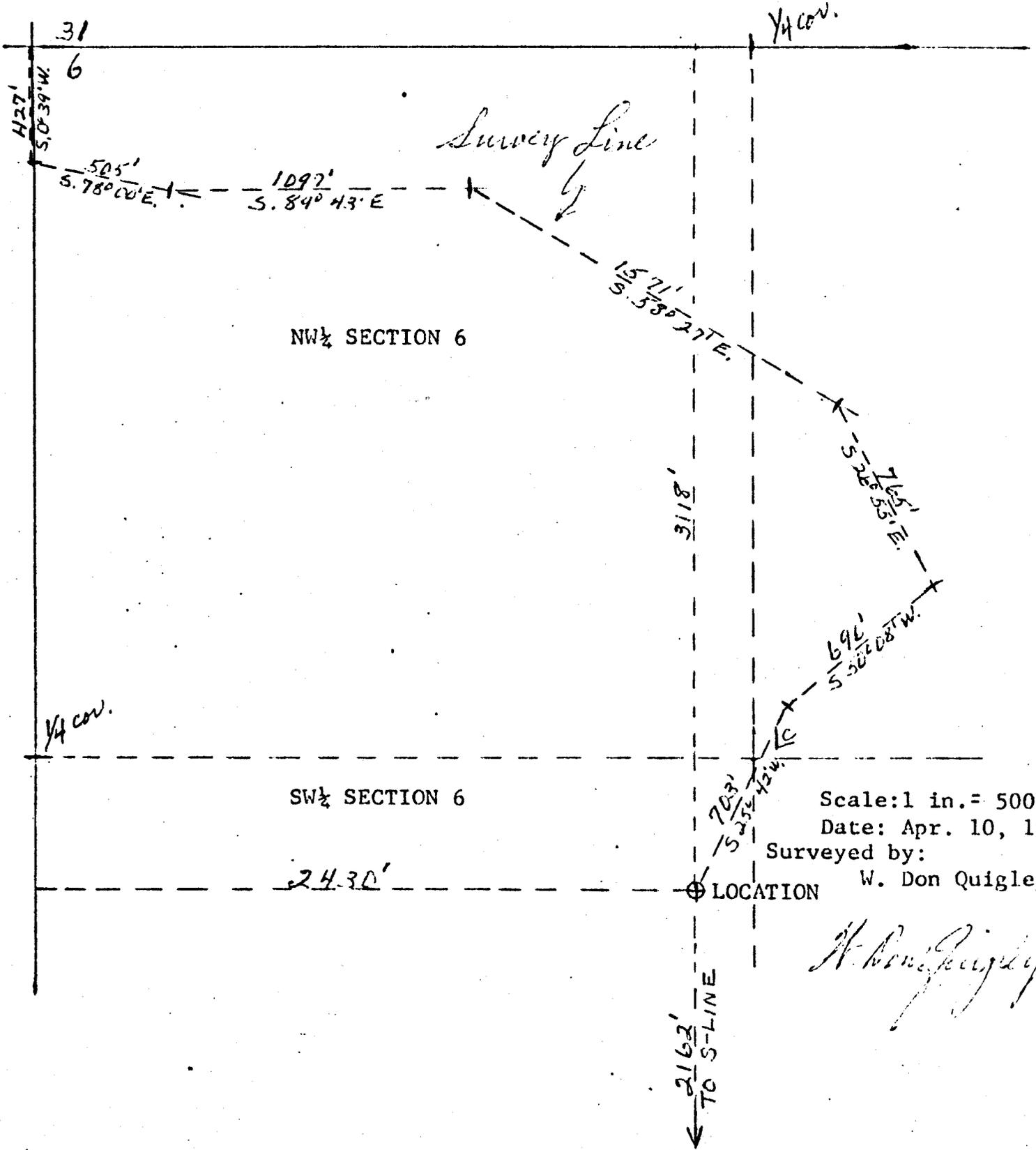
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• GPO 782-931

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LOCATION PLAT FOR
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 BOOK CLIFFS FED # 6-1
 NE.SW.SEC.6-19S-22E
 GRAND COUNTY, UTAH
 Elev.: 6115' grd.



Gordon Engineering, Inc.

Consulting Engineers
Specialists in Oil & Gas

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

October 30, 1976

Re: Willard Pease Oil & Gas
Co. Book Cliffs Federal
Well # 6-1, Grand County,
Utah.

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

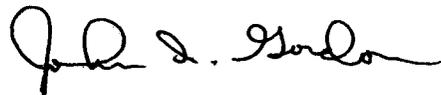
Dear Mr. Feight:

We are enclosing an Application for a Permit to Drill the above referenced well for your review and approval. This well, located at 2162' FSL and 2430' FWL in Sec. 6-19S-22E, does not conform to Rule C-3 of the General Rules and Regulations. A copy of a topographic map is attached that illustrates the drill site and the surrounding terrain.

Our geologic maps indicate that numerous faults exist within the Northern one half of Section 6 which excludes any locations in this portion. As shown, it would be economically unfeasible to construct a location other than that above within the Southern one half of Section 6. Therefore, we request that a topographic exception be granted and our Permit approved.

Your cooperation is certainly appreciated and should you have any questions or need additional information, please contact me at (303) 245-1958 or my residence (303) 243-9599.

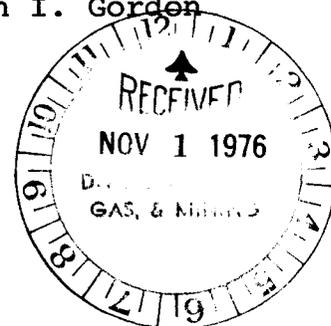
Very truly yours,



John I. Gordon

JIG/jig
Enclosures:

cc: Willard Pease Oil & Gas Co.



DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: Nov. 1-
 Operator: Willard Lease Oil & Gas
 Well No: Book Cliff, Fed. 6-1
 Location: Sec. 6 T. 19S R. 22E County: Grand

File Prepared Entered on N.I.D.
 Card Indexed Completion Sheet

Checked By:
 Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: [Signature]

Remarks:

Director: [Signature]

Remarks:

Topo. Except. OK.
If productive, it will be necessary to make odd looking unit
Notice proximity of Book Cliff unit

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

November 5, 1976

Willard Pease Oil and Gas Co.
P.O. Box 3052
Grand Junction, Colorado

Re: Well No. Federal Book Cliffs #6-1
Sec. 6, T. 19 S, R. 22 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 the provisions of 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 L. 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 43-019-30323.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

/sw
cc: U.S. Geological Survey

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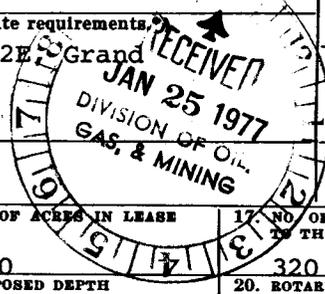
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Approval notice - Utah D.O.G.M.

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 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE JAN 17 1976
 APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE JAN 24 1976
 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.

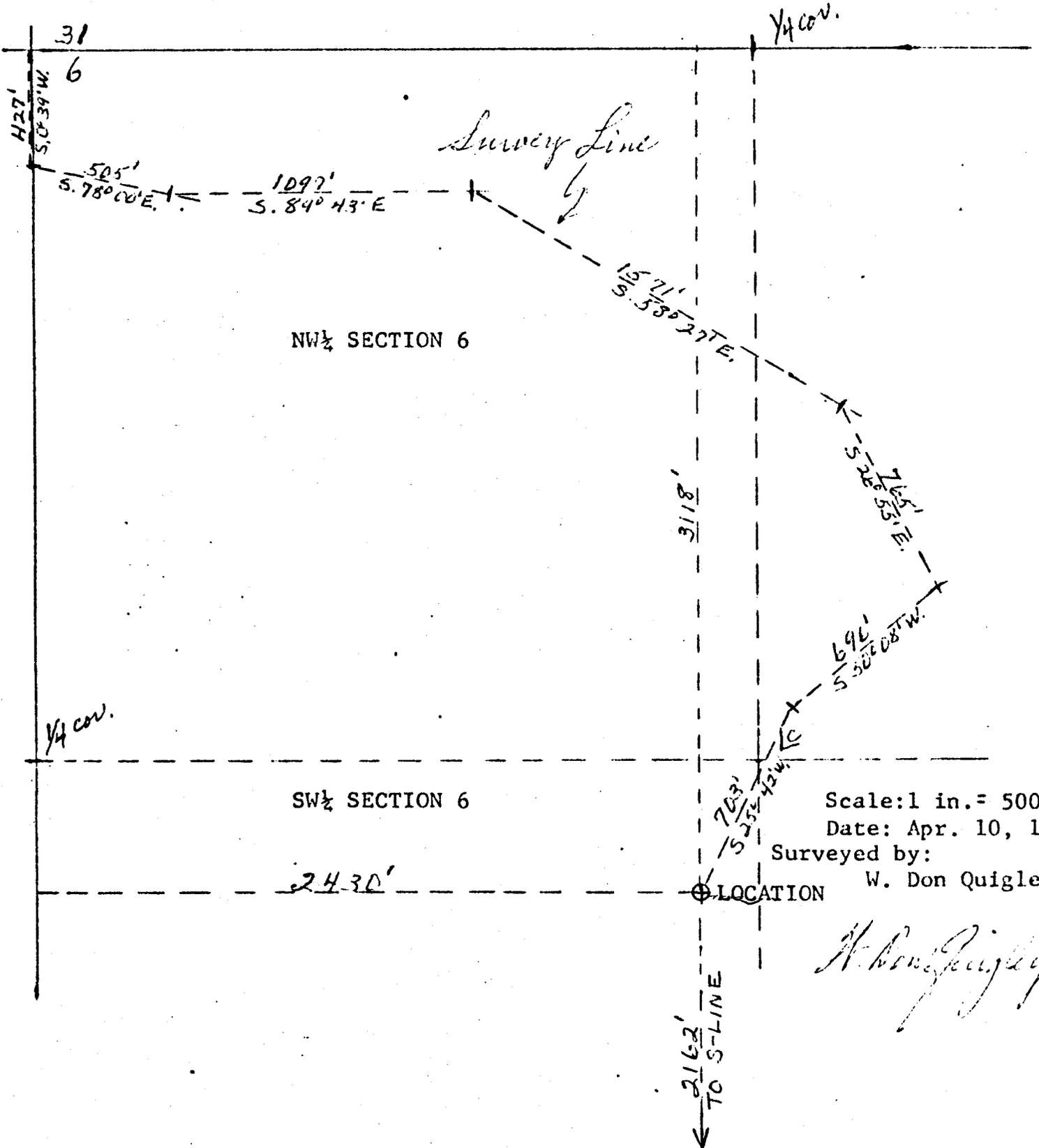
Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

* GPO 782-931

floor operation. Blind rams, 3-1/2" pipe rams, and a positive and adjustable choke will be installed. Any spools will be a 10" or 7" Series 900 flanged and any flanges will be Series 900. Operation of the BOP equipment will be checked daily, and the blind rams closed at every opportunity. Air is to be used as the drilling medium and a rotating head, a float at the bit, and a string float will be used. Other safety equipment consist of a Kelly Cock and a full opening valve on the floor. No cores are anticipated and the well will be tested continuously by air drilling. Maximum anticipated pressures will be 800 to 1200 psig in the Dakota-Morrison group and should require no more than normal mud weights to kill the well. Logging program should consist of an IES and a FDC-CNL porosity log and the intermediate portion will not be logged unless requested to. Operations should be completed within 120 days after the date shown. Estimated Geological markers are:

Mesa Verde	Surface
Castlegate	1945'
Dakota	5451'
Morrison	5620'
Entrada	6251'

LOCATION PLAT FOR
 WILLARD PEASE OIL & GAS COMPANY
 BOOK CLIFFS FED # 6-1
 NE.SW.SEC.6-19S-22E
 GRAND COUNTY, UTAH
 Elev.: 6115' grd.





Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

February 9, 1977

Willard Pease Oil & Gas Company
P. O. Box 3052
Grand Junction, Colorado 81501

Re: Book Cliffs Federal Well #6-1
NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 6-19S-22E, SLB&M
Grand County, Utah
Oil and Gas Lease U-036847

Gentlemen:

The referenced Application for Permit to Drill had approval dates of January 17, 1976 and January 24, 1976. This should read January 17, 1977 and January 24, 1977 respectively. Please correct your records accordingly.

This office regrets any inconvenience caused by this error.

Sincerely yours,

(Orig. Sgd.) E. W. Guynn

E. W. Guynn
District Engineer

bcc: O&GS, NRMA, Casper
Ch., Br. Lands & Min. Op., BLM, SLC
State O-G-M
BLM, Moab
USGS, Vernal
Well file

EWG:tw

CIRCULATE TO:

DIRECTOR	_____
PIETP	_____
MINE	_____
ADM.	_____
ASSISTANT	_____
ALL	_____

RETURN TO: Kathy
FOR FILING

P & A

R-15

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-036847

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.)

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Willard Pease Oil & Gas Company

8. FARM OR LEASE NAME
Federal

3. ADDRESS OF OPERATOR
570 Kennecott Bldg., Salt Lake City, Utah 84111

9. WELL NO.
#6-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface NE.SW.Sec.6,T.19S.,R.22 E.,S.L.M.
2430' from W-line & 2162' from S-line

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
KKNYSW NE.SW.Sec.6-19S-22E
S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6115' grd. & 6125' K.B.

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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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.)*

The subject well was drilled to a depth of 6258' which was about 30' into the Morrison formation. The Dakota top was 6140' and had a little water and no gas. The sands were very thin and tight. Accordingly the well was plugged according to verbal instructions from U.S.G.S. Details are as follows:

Plug #1 ----- 6250'-6100'-----40 sks-----across top of Morrison & Thru the Dakota.

Plug #2 ----- 5250'-5100'-----40 sks----- Top of Carlisle section in the Mancos

Plug #3 -----2500'-2350' -----40 sks ---- Bottom of intermediate casing (7' D)

Plug #4 -----1650'-1500' -----40 sks ---- Top of intermediate casing.

Plug #5 ----- 160'-100' -----20 sks ----Bottom of surface casing.

Plug #6 ----- 10'-0' -----10 sks ----Top of surface casing with well mark

1625' of 8" casing were pulled from the hole. Surface is cleaned. Pits will be levelled as soon as er.

18. I hereby certify that the foregoing is true and correct equipment is available for the work.
SIGNED H. How Gingley TITLE Cons. Geol. DATE Feb. 25, 1977

(This space for Federal or State office use)

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

TITLE Cons. Geol.
FOR E. W. GUYNN
DISTRICT ENGINEER

APPROVED BY THE STATE
DIVISION OF MINING
JUL 20 1981

DATE: _____
BY: _____

*See Instructions on Reverse Side

UTAH STATE OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

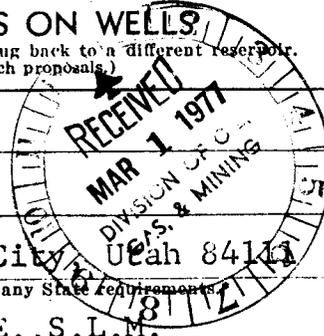
SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

U-036847

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
570 Kennecott Bldg., Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface NE.SW.Sec.6,T.19S.,R.22 E.,S.L.M.
2430' from W-line & 2162' from S-line

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#5-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
XXXXSW NE.SW.Sec.6-19S-2
S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6115' grd. &; 6125' K.B.

12. COUNTY OR PARISH 13. STATE
Grand Utah

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
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CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
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SIGNED H. How Gungley TITLE Cons. Geol. DATE Feb. 25, 1977

(This space for Federal or State office use)

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

Fleet Cementers Incorporated

No 1491

Home Office
Phone (303) 243-4358

Field Operation
Phone (505) 287-4596

P. O. Box 2370
Grand Junction, Colorado 81501

P. O. Box 206
Grants, New Mexico 87020

Date 2-20-77	Customer Order No.	Section	Township	Range	County Grand	State Utah
Well Number & Farm 6-1		Location Book Cliff Fed			Contractor Pease Drilling Co	Owner

Charge To: Pease Oil & Gas Drilling Co.

FLEET CEMENTERS INC. is hereby requested to furnish cementing equipment

To: Drilling Co
(OWNER, OPERATOR OR HIS AGENT)

and service men to deliver and operate same, as an independent contractor

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

FLEET CEMENTERS INC. shall not be liable for damage to property of well owner and/or customer unless caused by its willful negligence, this provision applying but not limited to subsurface damage and surface damage arising from subsurface damage, well owner and/or customer shall be responsible for and secure against any liability for reservoir loss or damage arising from a well blowout, unless such loss or damage is caused by the willful negligence of FLEET CEMENTERS INC. If equipment or instruments of FLEET CEMENTERS INC. are lost or damaged at the well, well owner and/or customer shall either recover the same or pay for such equipment or instruments unless, however, such loss or damage is caused by the negligence of FLEET CEMENTERS INC. In the event it is necessary to employ an attorney for the collection of amounts due on this contract customer agrees to pay a reasonable attorney's fee and all other costs of collection.

I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

Date: _____ Time: _____ Signed: _____ WELL OWNER, OPERATOR or CONTRACTOR

TYPE OF JOB AND SIZE	HOLE DATA
Plug	6 1/4"

PLUG BACK OR SQUEEZE				CEMENT DATA	
DEPTH FROM:	TO APPROX:	SIZE		190 SKS	
		CASING	HOLE	MAKE OF FLOATING EQUIP.:	
6250	6100	1610	1460		
5200	5100	60	5024	CEMENT LEFT IN CASING FT.	
2500	2350			JOB COMPLETED	
DEPTH OF JOB	ON LOCATION	JOB BEGAN	JOB COMPLETED	CREW ON JOB	
6250	2-20	3:00 PM	7:20 PM 2-21	Boyer	

PRICE REF:	EXPLANATION:	
Pz-11	Pump Trk Service chg. 2rst 500'	975.00
Pz-11	Additional 4300' @ 0.55 Per 100'	137.15
Pz-27	Milage chg. @ 1.15 Per Mile 75 Miles	86.25
Pz-12	Additional 8 hr Period	800.00

JOB COMMENTS:	SUB-TOTAL
	TAX
	TOTAL

Signed: [Signature]
OWNER, OPERATOR OR HIS AGENT

W. PEASE 048.

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

Well # G-1
NE/SW SEC 6
T19S-R22E
GRAND CO. UTAH
LSE. 036847 - Utah

W. PEASE - J. GORDON
BLM - D. NAYLE
USGS - B. FIAT
☐ - NO EFFECT
◻ - ENHANCES
◻ - MINOR IMPACT
⊗ - MAJOR IMPACT

	Construction				Pollution				Drilling Production				Transport Operations			Accidents		Other	
	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
Forestry	✓																		
Grazing	✓	/0/			/			/						/				/	
Wilderness	✓																		
Agriculture	✓																		
Residential-Commercial	✓																		
Mineral Extraction	✓																		
Recreation	✓	0																	
Scenic Views	✓	/ / /			/						/							/	
Parks, Reserves, Monuments	✓																		
Historical Sites	✓	NO EVIDENCE																	
Unique Physical Features	✓																		
Birds	✓				/			/						/				/	
Land Animals	✓				/			/						/				/	
Fish	✓																		
Endangered Species	✓	NONE KNOWN																	
Trees, Grass, Etc.	✓	/ / /			/													/	
Surface Water	✓				/													/	
Underground Water	✓																		
Air Quality	✓							/						/					
Erosion	✓	/			/													/	
Other	✓																		
Effect On Local Economy																			
	✓	000						0						0					
Safety & Health								/											
Other																			
		Orig: Free ce: Reg - Denver BLM - Moulton DOEM - Utah ✓																	

Lease U-36847

Well No. & Location Book Cliff Fed #6-1 NE/SW Sec.

6, T19S-R22E, GRAND CO. UTAH

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

W. Pease Oil & Gas proposer to drill
an exploratory gas well with rotary
tools to the depth of approx
to clear & level a drilling location
and to construct a reserve pit
to construct approx 1/2 mile new access road
to install pipeline along access road to tie into existing

2. Location and Natural Setting (existing environmental situation)
line serving gas well #1-32 sec 32, 18S. 22E.

The proposed well site is located
near the southern base of the Book Cliff
Mountains approx 15 miles north of
Cisco, Utah

The area is generally mountainous with
numerous gullies & washes and exposed rock
outcroppings along the steeper ridges.

The site is located in Lower Twin Canyon
just to the west of Cottonwood Canyon.
The location is relatively flat with steep
canyon walls to the north & south.

Vegetation consists of pinion pine & juniper
trees, sage brush, greasewood, other small
shrubs & assorted native grasses.

Cottonwood Creek is a continuously flowing
stream which is approx 1/2 mile from the site.

It will be necessary to install culverts &
construct access road across this stream.

Wild life found in the area includes mule
deer, black bear, coyotes, rabbits and other
small rodents & birds

There was no evidence of any historical
or archaeological sites in the area to be

disturbed.

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

- Minor & temporary disturbanes of livestock & wildlife
- Distraction from the aesthetics
- Minor & temporary air pollution created by exhaust emissions from rig engines and support traffic
- Minor loss of natural vegetation due to location, access road construction and pipeline construction.
- Minor induced erosion created by surface disturbance required in construction

4. Alternatives to the Proposed Action

NO NEAR-BY location could be found that would justify moving the proposed well site or pipeline route.

5. Adverse Environmental Effects Which Cannot Be Avoided

- minor & temporary disturbances of live stock & wild life
- minor induced erosion
- minor air pollution (temp)
- minor loss of natural vegetation
- minor distraction from the aesthetics

6. 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)).

Bill [Signature]

Date Inspected

11-10-76

[Signature]

U. S. Geological Survey



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116

May 23, 1977

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

Willard Pease Oil & Gas Company
570 Kennecott Bldg.
Salt Lake City, Utah 84111

Re: Well No. Book Cliffs Fed. 6-1
Sec. 6, T. 19S, R. 22E
Grand County, Utah

*according to May PI report, well P&M
2-26-77*

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to 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

KATHY OSTLER
RECORDS CLERK

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

5. LEASE DESIGNATION AND SERIAL NO.

U-036847

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

6-1

10. FIELD AND POOL, OR WILDCAT

WILDCAT

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

NE/4SW/4 Sec.6
19S-22E 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 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 BLDG., SALT LAKE CITY, UTAH

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

At surface
2430' FWL, 2162' FSL SEC. 6, T19S, R22E, SLM

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 2-9-77 16. DATE T.D. REACHED 2-19-77 17. DATE COMPL. (Ready to prod.) 2-21-77 18. ELEVATIONS (DF, RBK, BT, GR, ETC.)* 6117 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6258 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 10-TD ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL 27. WAS WELL CORED

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	36	162'	14 3/4	100 SX	0
7		2471'	8 3/4	80 SX	1625'

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6250-6100:5250-5100	40 SX ea.	2500-2350:1650-1500	40 SX ea.
160-100	20 SX	10'-0'	10 SX

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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 _____ DATE 6/14/77

*(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 38, 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.	GEOLOGIC MARKERS		
DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	POROSITY AND CONTENTS THEREOF	CORDED INTERVALS	AND ALL DRILL-STEM TESTS, INCLUDING	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
				NO CORES OR DST	MANCOS DAKOTA	2400 6140	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-036847

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
6-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLE. AND
SURVEY OR AREA
NE SW Sec 6 T19S R22E S1M

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Willard Pease Oil & Gas Company

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

NE SW Sec 6 T19S R22E, S1M
2430' from W-line & 2162' from S-line

14. PERMIT NO.

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

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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

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REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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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.)*

Oral approval to plug and abandon was obtained on 2/20/77 from USGS.

Report of abandonment filed 2/25/77 (see attached).

BIM in Moab, Utah has been notified.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

RECEIVED
MAR 14 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED James R. Rhodes

TITLE Ass't Secretary

DATE 03/13/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

not approved - see letter dated 3/19/80

✓ cc: State of Utah w/Encls.
Encls.

*See Instructions on Reverse Side

COPY



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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March 19, 1980

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

*Re: Well No. Federal Skyline 1A-S.W., Sec. 21, T. 23S, R. 21E., Grand County, Utah
Well No. Federal #10-1, Sec. 10, T. 18S, R. 24E., Grand County, Utah
Well No. Federal #6-1, Sec. 6, T. 19S, R. 22E., Grand County, Utah*

Gentlemen:

The above referenced wells appear to have been plugged and abandoned/plugged back without receiving the approval of this Division. Rule D-1, General Rules and Regulations and Rules of Practice and Procedure, "Notice of Intention to Plug and Abandon--Methods and Procedure," requires that:

(a) Before operations are commenced to plug and abandon any well drilled for the discovery of oil or gas, including any well drilled below the fresh water level, the owner or operator thereof shall give notice to the Commission of the intention to so plug and abandon such well and have the same approved. Said notice shall contain, among other things, the location of the well and when such plugging operations will commence. The notice shall be upon a form prescribed by the Commission, and shall contain all of the information requested thereon; provided however, that in cases of emergency the operator may obtain oral or telegraphic approval to plug and abandon, and of the method of plugging and abandoning the well. Within five (5) days after receiving oral or telegraphic approval, the operator shall file written notice as provided above.

(b) A dry or abandoned well must be plugged so that oil, gas, water or other substance will not migrate through the well bore from one formation to another. Unless a different method and procedure shall be approved by the Commission, the method and procedure for plugging the well shall be as follows:

- (1) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and a cement plug not less than one hundred (100) feet in length shall be placed immediately above each producing formation open to the well bore.
- (2) A solid cement plug shall be placed from fifty (50) feet below a fresh water zone, or a 100-foot cement plug shall be centered across the top of the fresh water zone.
- (3) At least ten sacks of cement shall be placed at the surface so as to completely plug and entire hole. If more than one string of casing remains at the surface, all annuli shall be so cemented.
- (4) The interval between plugs shall be filled with heavy mud-laden fluid.
- (5) The hole shall be plugged with heavy mud up to the base of the surface string, at which point a plug of not less than fifty (50) feet of cement shall be placed.
- (6) Any perforated interval shall be plugged with cement and any open-hole porosity zone shall be adequately isolated to prevent migration of fluids.
- (7) A cement plug not less than one hundred (100) feet in length shall be centered across the casing stub if any casing is cut and pulled.

If a different rule of plugging is required under a Federal lease, it will be accepted by the Commission.

Rule D-2, "Report of Abandonment and Plugging states:

Within thirty (30) days after the plugging of any well has been accomplished, the owner or operator thereof shall file a plugging report with the Commission. The report shall give a detailed account of the manner in which the plugging work was carried out, including the nature and quantities of materials used in plugging, and the location and extent (by depths) of the plugs of different materials; records of any tests or measurements made and the amount, size and location (by depths) of casing left in the well; and statement of the volume of mud fluid used. If any attempt was made to part any casing, a complete report of the method used and results obtained must be included.

Willard Pease Oil and Gas Company
March 19, 1980
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In the future, please obtain State approval prior to the commencement of plugging operations. Please submit a detailed account of the plugging operations on the above referenced well as outlined in Rule D-2.

Your cooperation in correcting this oversight as soon as possible will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Original Signed By M. T. Minder

*Michael T. Minder
Geological Engineer*

MTM:btm

cc