

Pluggen • slummand - 428/76

*Copy/Handwritten*

# Gordon Engineering, Inc.

Consulting Engineers  
Specialists in Oil & Gas

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

May 24, 1976



Re: Application for a Permit to Drill, Cisco Springs North Area, Federal Well #1-5, 600' FNL, 1520' FWL, Sec. 5-20S-23E, Federal Well #2-5, 1605' FSL, 775' FWL, Sec. 5-20S-23E, 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 the APD's in triplicate for the above referenced Federal Wells. Please note that the wells do not conform with the general spacing regulations; however, they have been placed at these locations because of topography.

The Federal Lease on which these wells are located consists of 480 acres and is legally described as follows:

Township 20 South, Range 23 East, SLB & M  
Grand County, Utah  
Section 5: Lots 2, 3, and 4; SW $\frac{1}{2}$ NE $\frac{1}{2}$ ;  
S $\frac{1}{2}$ NW $\frac{1}{2}$ ; SW $\frac{1}{2}$ ; W $\frac{1}{2}$ SE $\frac{1}{2}$ .

As you can see, these proposed locations are well within the lease boundaries, and we request that your office grant a spacing exception and approve our APD due to topographic reasons.

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

Very truly yours,

*John I. Gordon*

John I. Gordon

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

*TOPographic  
exceptions  
not needed  
Spaced OK under  
102-5*

**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 600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand County, Utah  
 At proposed prod. zone N.A.

**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\***  
 Approximately 13 miles North of Cisco, Utah

**15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)**      600'

**16. NO. OF ACRES IN LEASE**      480

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

**18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.**      3200'

**19. PROPOSED DEPTH**      3500'

**20. ROTARY OR CABLE TOOLS**      Rotary

**21. ELEVATIONS (Show whether DF, RT, GR, etc.)**      4962' G.L.

**22. APPROX. DATE WORK WILL START\***      July 1, 1976

**5. LEASE DESIGNATION AND SERIAL NO.**  
 U-14654

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
 Federal

**9. WELL NO.**  
 1-5

**10. FIELD AND POOL, OR WILDCAT**  
 Cisco Springs North

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA**  
 Sec. 5, T20S, R23E, 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"	7 5/8"	26.4 #	150'	Cement to Surface
6 3/4"	4 1/2"	10.5#	3500'	150 Sx.

We propose to move in, rig up, and drill a 12 1/4" hole to about 150'. 7 5/8" casing will be run and cemented to surface. BOP's will be installed and the casing pressure tested to 1000 psi. Drill out shoe and drill a 6 3/4" hole to about 3500' using air as the drilling medium. Load the hole with mud and run logs. If the hole is economically productive, 4 1/2" casing will be run and cemented. Should the hole be non-productive, permission will be secured and the well plugged and abandoned.



NW NE NW

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. Jordan      TITLE Consultant Engineer      DATE 4/30/76

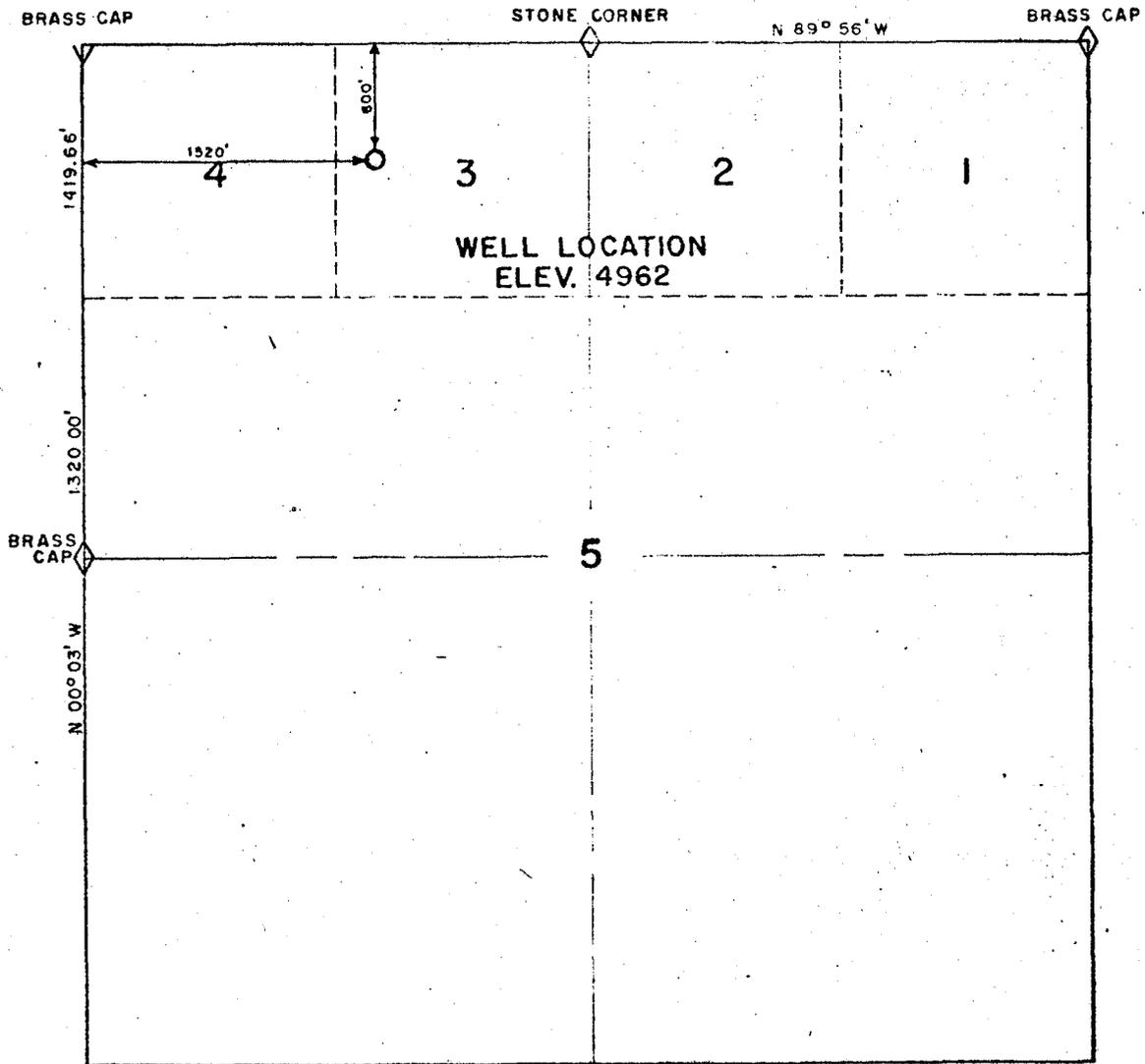
(This space for Federal or State office use)  
 PERMIT NO. 13-019-30286      APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_      TITLE \_\_\_\_\_      DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

WELL LOCATION

1520 FT. FWL, 600 FT. FNL, SECTION 5  
T 20S., R. 23 E. SLB & M



I, J.N. BURKHALTER DO HEREBY CERTIFY THAT THIS  
PLAT WAS PLOTTED FROM NOTES OF A FIELD SURVEY  
MADE BY ME ON APRIL 24, 1976.

*J.N. Burkhalter*  
J.N. BURKHALTER  
REG. LAND SURVEYOR

WILLARD PEASE OIL & GAS CO.  
FEDERAL WELL #1-5  
SEC. 5, T. 20S., R. 23 E.  
GRAND COUNTY, UTAH  
SCALE: 1" = 1000'

DIVISION OF OIL, GAS, AND MINING

\*FILE NOTATIONS\*

Date: May 26  
 Operator: Willard Pease Oil & Gas  
 Well No: Federal 1-5  
 Location: Sec. 5 T. 30S R. 23E 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: 2

Remarks:

*OK. Topo. Exception  
 not needed. Spacing  
 conforms to order  
 102-5  
 Have checked  
 distances to nearest  
 wells. All OK*

Include Within Approval Letter:

Bond Required  Survey Plat Required   
 Order No. 102-5  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 1, 1976

Gordon Engineering Inc.  
P.O. Box 3052  
822 North Avenue  
Grand Junction, Colorado 81501

Re: Well No's:  
Willard Pease Oil & Gas Co.  
Federal #1-5 & Federal #2-5  
Sec. 5, T. 20 S, R. 23 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 Order issued in Cause No. 102-5.

Should you determine that it will be necessary to plug and abandon these wells, 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 numbers assigned to these wells are:

Federal #1-5: 43-019-30286  
Federal #2-5: 43-019-30287

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
DIRECTOR

Willard Pease oil  
 #1-5 NENW  
 Sec 5 - 20s - 23E  
 U-14654  
 Grand County Utah  
 BLM - Neqgly  
 USGS ALEXANDER  
 Pease - Gordon  
 Enhance  
 No Effect  
 Minor Impact  
 Major Impact

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)

Land Use	Forestry	NA																			
	Grazing	LO	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Wilderness	NA																			
	Agriculture	NA																			
	Residential-Commercial	NA																			
	Mineral Extraction	NA																			
	Recreation	LO		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Scenic Views	✓/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Parks, Reserves, Monuments	NA																			
	Historical Sites	NA																			
	Unique Physical Features	NA																			
	Flora & Fauna	Birds	✓	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Land Animals		✓/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Fish		NA																			
Endangered Species		None Known																			
Trees, Grass, Etc.	✓/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Phy. Charact.	Surface Water	NA																			
	Underground Water	?																			
	Air Quality	✓		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Erosion	✓/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Other																				
Effect On Local Economy	LO	0	0																		
Safety & Health	✓			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

Others Orig: Free  
 cc: Reg - Janie  
 B.M., Mosh w/o Mater, Utah Div of O.R.M.

Lease

U-14604

Well No. & Location

#1-5 NENW Sec 5-20s-23E

Grand County Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

- 1.) Willard lease oil & Gas Company proposes to drill a development oil & gas test well w/ rotary tools to approx 3500'
- 2.) Proposes to construct a drill pad 250' x 150' including a small reserve pit approx 30' x 40' x 10' deep.
- 3.) Proposes to construct a new access road for approx 1/2 mi; proposes to upgrade 1/2 mi of existing road that etc. w/ exist. road that needs no work-

2. Location and Natural Setting (existing environmental situation)

The wellsite falls in an area of rolling hills and numerous gullies. The site itself falls on a ridge top of Mancos shale with deep gullies on both sides.

The vegetation is sparse sagebrush and assorted native grasses.

The wildlife is the usual sparse antelope, small game and predators. There are no known endangered species.

There are no known Historical Sites that would be affected and no evidence of archaeological sites was noted.

Ref: BLM EAR Book Mtn. 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 ~~not~~ have moderate effect in that there are producing wells in the nearby area.

There would be moderate ~~of~~ scarring 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 requiring about 2 to 5 years to rehab.

Detraction from the aesthetics.

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

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

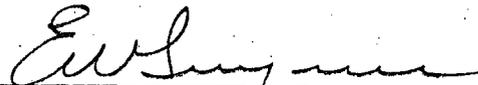
6. Determination

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

Date Inspected

6-8-76

Inspector



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

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(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.)</small>		5. LEASE DESIGNATION AND SERIAL NO. U-14654
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Willard Pease Oil & Gas Co.		8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR P.O. Box 3052, Grand Junction, Colorado 81501		9. WELL NO. 1-5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface                      600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand County, Utah		10. FIELD AND POOL, OR WILDCAT Cisco Springs North
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 5, T20S, R23E, S1B & M
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4962' G.L.	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:		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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Survey Plat</u> <input checked="" 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.)\*

As requested, we are attaching a certified location plat.

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

SIGNED *John L. Harsh* TITLE Consulting Engineer DATE 6-14-76

(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

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 [ ]
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: 600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand County, Utah
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*: Approximately 13 miles North of Cisco, Utah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dirg. unit line, if any): 600'
16. NO. OF ACRES IN LEASE: 480
17. NO. OF ACRES ASSIGNED TO THIS WELL: 160
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 3200'
19. PROPOSED DEPTH: 3500'
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4962' G.L.
22. APPROX. DATE WORK WILL START\*: July 1, 1976



5. LEASE DESIGNATION AND SERIAL NO. U-14654
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 1-5
10. FIELD AND POOL, OR WILDCAT Cisco Springs North
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T20S, R23E, SLB &
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. Data rows: 12 1/4" hole, 7 5/8" casing, 26.4 # weight, 150' depth, Cement to Surface; 6 3/4" hole, 4 1/2" casing, 10.5# weight, 3500' depth, 150 Sx.

We propose to move in, rig up, and drill a 12 1/4" hole to about 150'. 7 5/8" casing will be run and cemented to surface. BOP's will be installed and the casing pressure tested to 1000 psi. Drill out shoe and drill a 6 3/4" hole to about 3500' using air as the drilling medium. Load the hole with mud and run logs. If the hole is economically productive, 4 1/2" casing will be run and cemented. Should the hole be non-productive, permission will be secured and the well plugged and abandoned.

Mancos - Sur
Dakota - 2550'
Morr - 2800'

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: Consultant Engineer DATE: 4/30/76

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY: [Signature] TITLE: DISTRICT ENGINEER DATE: JUN 16 1976
CONDITIONS OF APPROVAL, IF ANY:

Approval Notice - \*See Instructions On Reverse Side UTAH STATE OIL, GAS & MINING

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-14654

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

#1-5

10. FIELD AND POOL, OR WILDCAT

Cisco Springs North

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

Sec. 5, T20S, R23E,  
SLB & M

12. COUNTY OR PARISH 13. STATE

Grand

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 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.\*  
See also space 17 below.)  
At surface  
600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand  
County, Utah

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4962' G.L.

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

NOTICE OF INTENTION TO:

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"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Setting Casing</u> <input checked="" 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.)\*

Well spudded at 7:00 P.M. on June 19, 1976

Ran and cemented 156 feet of 8 5/8"-24# casing. Cemented to surface with 100 Sx regular and 3% CaCl<sub>2</sub>.

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

SIGNED John D. Stroh

TITLE Consulting Engineer

DATE 6-25-76

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ORIGINATE TO:  
DIRECTOR  
PETROLEUM ENGINEER  
MINE COORDINATOR  
ADMINISTRATIVE ASSISTANT  
ALL  
RETURN TO Kathy  
FOR FILING

P  
 S  
 S  
 S

July 1, 1976

MEMO FOR FILING

Verbal approval was given to Mr. John Gordon, representative for Willard Pease Drilling Company to plug and abandon the Federal 1-5, Section 5, T. 20 S, R. 23 E, North Cisco area in Grand County, Utah on June 28, 1976.

Surface casing consists of 8 5/8" set @ 105' and cemented to surface with 100 sacks of cement. A 7 7/8" hole was drilled to 3348'. The stratigraphic tops are as follows:

Surface . . . . .	Mancos Shale
3280' . . . . .	Entrada
3308' . . . . .	Dakota

A complete suite of electric and radioactive logs were ran.

The plugs are as follows:

3348' - 3198' . . . . .	50 sacks
200' - 75' . . . . .	30 sacks
Surface . . . . .	16 sacks

A regulation dry hole marker will be set. It is anticipated that this rig will move to the Federal 2-5, Section 5, T. 20 S, R. 23 E, in Grand County, Utah.

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD:th

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 Co. #1-5 Federal	600'FNL, 1520'FWL, sec. 5, T. 20 S., R. 23 E., SLM, Grand Co., Utah. Gr. El. 4962'	U-14654
<p>1. Stratigraphy and Potential Oil and Gas Horizons. Well will spud in gravels - mainly terraces and pediments undergoing erosion. May not be associated with stream activity. Willard Pease #1-506' in sec. 9, same township, reported the following tops: Dakota-1594', Buckhorn-1690', Morrison-1716'. T.D. 2050'.</p> <p>2. Fresh Water Sands. WRD reports: see page 2.</p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) The coals of the Dakota are discontinuous and not considered economically important in this township. Fisher (USGS Bull. 852, p. 94) reported: "Inasmuch as the area embraced in Tps. 19, 20, and 21 S., Rs. 22 and 23 E. contains no coal resources of any value it is discussed as a unit for the sake of brevity."</p> <p>4. Possible Lost Circulation Zones. Lenticular sands of Dakota, Cedar Mtn., and Morrison Formations.</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. Surface alluvium will cave if present.</p> <p>8. Additional Logs or Samples Needed. None.</p> <p>9. References and Remarks. Approximately 3½ miles northwest of Cisco Springs KGS.</p>		
Date: July 29, 1976		Signed: Ellen Marie Pera State Oil & Gas

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

SUBMIT IN DUPLICATE  
(See instructions on reverse side)

13

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

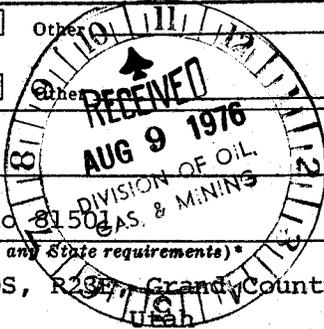
1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

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  
P. O. Box 3052, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand County, Utah  
At top prod. interval reported below  
At total depth



5. LEASE DESIGNATION AND SERIAL NO.  
U-14654

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
1-5

10. FIELD AND POOL, OR WILDCAT  
Cisco Springs North

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 5, T20S, R23E, SLB & M

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. PERMIT NO. 43-019-30286 DATE ISSUED

15. DATE SPUNDED 6-19-76 16. DATE T.D. REACHED 6-24-76 17. DATE COMPL. (Ready to prod.) 6-28-76 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4962' G.L. 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3348' 21. PLUG, BACK T.D., MD & TVD D x A 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)\* D x A 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN G.R.—Neutron, IES 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
8 5/8"	24#	156'	12 1/4"	100 Sx Reg. w/3% CaCl <sub>2</sub>	None

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)

Plugs set at:  
3198-3348' - 50 Sx  
100-200' - 35 Sx  
Surface - 10 Sx

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

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

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 7-30-76

\*(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 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	
				NAME	MEAS. DEPTH
					TRUE VERT. DEPTH
				Mancos	Surface
				Dakota	2408'
				Entrada	3280'

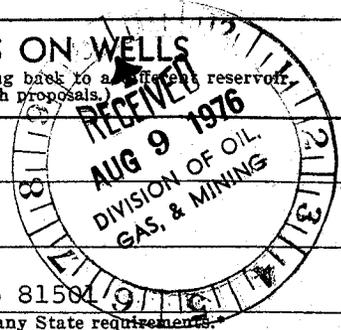
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-14654
2. NAME OF OPERATOR Willard Pease Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 3052, Grand Junction, Colorado 81501		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 600' FNL, 1520' FWL, Sec. 5, T20S, R23E, Grand County, Utah		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. #1-5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4962' G.L.		10. FIELD AND POOL, OR WILDCAT Cisco Springs North
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 5, T20S, R23E, SLB & M
		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) <input 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.)\*

Well spudded at 7:00 P.M. on June 19, 1976.  
Ran and cemented 156 ft. of 8 5/8"-24# casing with 100 Sx regular cement containing 3% CaCl<sub>2</sub>.

Well found to be non-commercial and plugged and abandoned as follows:

- T.D. 3348'
- 50 Sx plug 3198'-3348'
- 35 Sx plug 100' - 200'
- 10 Sx surface plug.

Formations:  
Mancos: Surface  
Dakota: 2408'  
Entrada: 3280'

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: August 9, 1976  
BY: P. H. Meyers

Operations completed at 10:45 P.M., 6-28-76.

Verbal permission granted on 6-24-76.

We anticipate having the location cleaned up for inspection before the end of Sept., 1976.

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

SIGNED [Signature] TITLE Consulting Engineer DATE 7-30-76

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



CALVIN L. RAMPTON  
*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  
August 23, 1976

OIL, GAS, AND MINING BOARD

GUY N. CARDON  
*Chairman*

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

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

Re: Well No. Pease 1-5  
Sec. 5, T. 20S, R. 23E  
Grand County, Utah

Gentlemen:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER  
RECORDS CLERK

FORM OGC-8-X  
FILE IN QUADRUPLICATE

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Federal Well No. 1-5, Cisco Springs North Field

Operator Willard Pease Oil & Gas Company

Address P. O. Box 548, Grand Junction, Colorado 81501

Contractor Willard Pease Drilling Co.

Address P. O. Box 548, Grand Junction, Colorado 81501

Location NE 1/4, NW 1/4, Sec. 5; T. 20 N; R. 23 E; Grand County  
S W

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	From-	To-		
1.	<u>0-168'</u>	<u>None</u>	<u>None</u>	<u></u>
2.	<u>168'-2965'</u>	<u>None</u>	<u>None</u>	<u></u>
3.	<u>2965'-3010'</u>	<u>Possible-Unknown Flow</u>	<u></u>	<u>Fresh</u>
4.	<u>3010'-3348'</u>	<u>Unknown</u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>	<u></u>

(Continue on Reverse Side if Necessary)

Formation Tops: Mancos: Surface  
Dakota: 2408'  
Entrada: 3280'

- 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.

# Gordon Engineering, Inc.

*f*

Consulting Engineers  
Specialists in Oil & Gas

*K*

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

August 24, 1976



Re: Federal Well #1-5,  
Cisco Springs North  
Field, Sec. 5, T20S,  
R23E, Grand County, Utah

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

Dear Mr. Feight:

In response to your letter dated August 23, 1976, we are enclosing a copy of the logs for the above referenced well. Also, a completed Form 8 for this well is included. Our log distribution was made by the logging company and apparently your office must have been overlooked.

Very truly yours,

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

John I. Gordon

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.  
UTAH  
LAND OFFICE \_\_\_\_\_  
LEASE NUMBER U-14654  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County GRAND Field CISCO SPRINGS

The following is a correct report of operations and production (including drilling and producing wells) for the month of SEPTEMBER, 1916,

Agent's address 570 Kennecott Building Company Willard Pease Oil & Gas Co.  
Salt Lake City, Utah 84133 Signed Melvin S. [Signature]

Phone 801/364-6217 Agent's title Asst. Secy. Clark

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
5 NE 1/4 NW 1/4	T20S	23E	1-5	-	-	-	-	-	-	SHUT IN	
TOTALS						MCF		BO	BW		
GAS: (MFC)					OIL or CONDENSATE: (bbls)			WATER DISPOSITION (bbls)			
Sold <u>NONE</u>					Sold <u>NONE</u>			Pit <u>NONE</u>			
Vented/flared <u>NONE</u>					Used <u>NONE</u>			Injected <u>NONE</u>			
Used on lease <u>NONE</u>					Unavoidably Lost <u>NONE</u>			Unavoidably Lost <u>NONE</u>			
Lost <u>NONE</u>					Reason <u>NONE</u>			Reason <u>NONE</u>			
Reason <u>NONE</u>								Other <u>NONE</u>			

NOTE.—There were NO runs or sales of oil; NO M cu. ft. of gas sold; NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 41-R354.5.  
LAND OFFICE UTAH  
LEASE NUMBER U-14654  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County GRAND Field CISCO SPRINGS

The following is a correct report of operations and production (including drilling and producing wells) for the month of OCTOBER, 1976,

Agent's address 570 Kennecott Building Company Willard Pease Oil & Gas Co  
Salt Lake City, Utah 84133 Signed [Signature]

Phone 801/364-6217 Agent's title Asst. Secy. Clerk

SEC AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS
										(If drilling, depth; if shut down, reason; date and result of test for gasoline content of gas)
5 NE 1/4 NW 1/4	20S	23E	1=5	-	-	-	-	-	-	SHUT IN
<b>TOTALS</b>					<b>MCF.</b>		<b>BO</b>		<b>BW</b>	
<b>GAS: (MFC)</b>			<b>OIL or CONDENSATE: (bbls)</b>			<b>WATER DISPOSITION (bbls)</b>				
Sold			NONE			Sold			NONE	
Vented/flared			NONE			Used			NONE	
Used on lease			NONE			Unavoidably Lost			NONE	
Lost			NONE			Reason			NONE	
Reason			NONE			Reason			NONE	
						Other			NONE	

NOTE.—There were NO runs or sales of oil; NO M cu. ft. of gas sold;

NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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.

U-14654

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

No. 1-5 - W/P/A

10. FIELD AND POOL, OR WILDCAT

Cisco Springs

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

Sec 5 T20S R23E SLB&M

12. COUNTY OR PARISH

GRAND

13. STATE

UTAH

1.

OIL WELL  GAS WELL  OTHER SURFACE RESTORATION

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

600' FNL 1520' FWL Sec 5 T20S R23E Grand Co. Utah

14. PERMIT NO.

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

4962' G.L.

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)

SURFACE RESTORATION

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.)\*

12/27/79: Location recontoured, seeded and harrowed.

BLM Moab, Utah notified.

RECEIVED  
APR 22 1980

DIVISION OF  
OIL, GAS & MINING

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

SIGNED

*Mrs. P. R. K. K. K.*

TITLE

Ass't Sec

DATE

04/18/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc; State of Utah

14. (D-20-23) 13 cdc

Depths of fresh-water zones:

Isabelle Thomas, Wildcat, Thomas No. 2

4,952 fnl, 1,575 fwl, sec. 13, T 20 S, R 23 E, SLBM, Grand County, Utah

Elev. 4,667 ft, test to 1,700 ft.

Formation tops, approx.:

Mancos Sh	surface
Dakota Ss	1,260 ft
Buckhorn Cgl	1,310 ft
Morrison Fm	1,360 ft
Entrada Ss	2,150 ft

There are no water wells on record in the near vicinity of this proposed oil test. Anomalous sand lenses may occur in the upper part of the Mancos Shale. If less than about 500 ft beneath the surface, they may contain useable water. The Ferron Sandstone Member of the Mancos, if present, may also contain useable water (saline but acceptable for stock). Formations at greater depths contain salty water or brine.

CTS  
1-28-70