

CP

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT/abd. _____

DATE FILED 2-23-84

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-0147904 INDIAN _____

DRILLING APPROVED: 2-29-84 OIL (CAUSE 102-16B)

SPOUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: LA 3-22-85

FIELD: GREATER CISCO

UNIT: _____

COUNTY: GRAND

WELL NO. FEDERAL 10-02 API NO 43-019-31134

LOCATION 530' FSL, FT. FROM (N) (S) LINE. 1850' FWL FT. FROM (E) (W) LINE. SESW 1/4 - 1/4 SEC. 10

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>20S</u>	<u>23E</u>	<u>10</u>	<u>WILLARD PEASE OIL & GAS</u>

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 530' FSL, & 1850' FWL, in the SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 10
 At proposed prod. zone
 Approximately Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 4.9 Miles Northwesterly of East Cisco Exit on I-70

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 530

16. NO. OF ACRES IN LEASE
 40

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 2200'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR. 4779'

22. APPROX. DATE WORK WILL START*
 May 1, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-0147904 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Federal #10- 02

10. FIELD AND POOL, OR WILDCAT
 Cisco Springs Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 10
 T20S, R23E, SLM

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 $\frac{1}{2}$ "	8 5/8"	24#	200'	Circulate cement to surface
7 5/8"	4 $\frac{1}{2}$ "	10.5#	2200'	150 sx cement

EXHIBITS ATTACHED

- Plat #1 - Location and Elevation Plat
- Exhibit 1A - Notice of Staking letter
- 'A' - Ten-Point Compliance Diagram
- 'B' - Blowout Preventer Diagram
- 'C' - Multi- Point Requirements for APD
- Map #1 - Access Road and Radius Map of Wells in Area
- Map #2 - Vicinity Map
- Plat #2 - Drill Pad Layout with Contours
- Plat #3 - Cross-Sections of Drill Pad
- Plat #4 - Drill Rig Layout
- Plat #5 - Production Facility layout
- "D" - Rehabilitation Plan

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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. H. Burkhardt TITLE Agent DATE 1-25-84

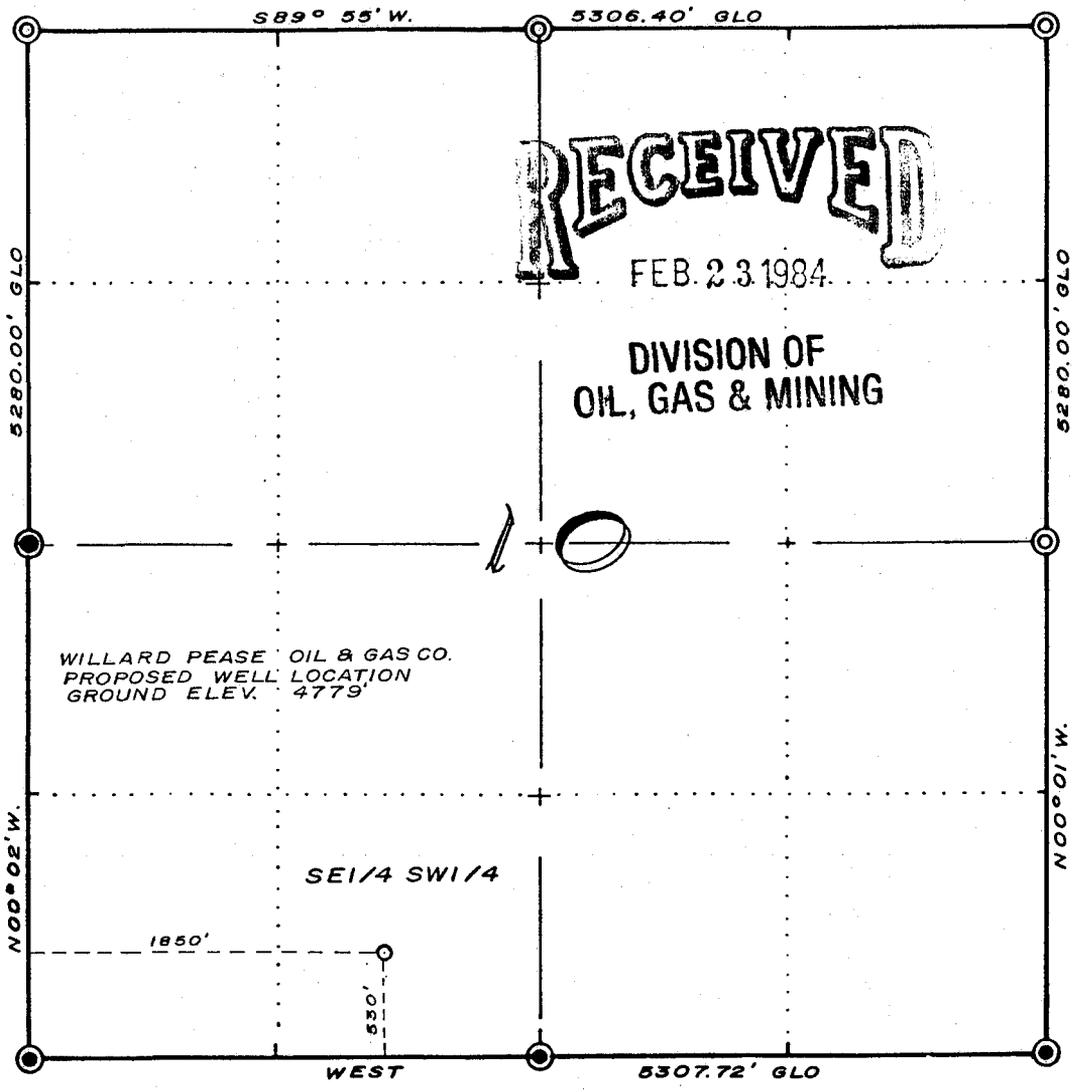
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

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

SEC. 10 , T. 20 S. , R. 23 E. OF THE SLM



WILLARD PEASE OIL & GAS CO.
PROPOSED WELL LOCATION
GROUND ELEV. 4779'

SE 1/4 SW 1/4

1850'

530'

WEST

5307.72' GLO



SCALE

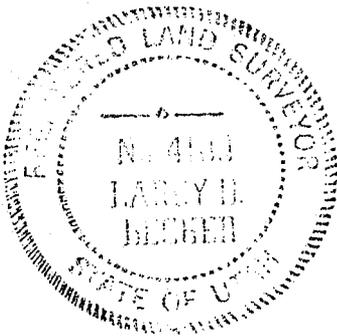
LEGEND

- ⊙ STANDARD LOCATION OF GLO SECTION CORNERS
- GLO CORNERS FOUND
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

- 1925 GLO PLAT
- DANISH FLAT, UTAH QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR WILLARD PEASE OIL & GAS CO.
TO LOCATE THE FEDERAL NO. 10-02 , 530' F.S. L. &
1850' F.W. L. IN THE SE 1/4 SW 1/4 , OF SECTION 10 , T. 20S. , R. 23E.
OF THE SLM. GRAND COUNTY, UTAH.



SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker

SURVEYED	12-1-83	ENERGY SURVEYS & ENGINEERING CORP. 715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221	SCALE 1" = 1000'
DRAWN	12-2-83		JOB NO.
CHECKED	12-3-83		SHEET OF

NOTICE OF STAKING (Not to be used in place of Application to Drill Form 9-331-C)		RMOGA 5/5/82	5. Lease Number U - 0147904
1. Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name _____	
2. Name of Operator Willard Pease Oil & Gas Company		7. Unit Agreement Name N/A	
3. Address of Operator or Agent Burkhalter Engineering - Agent 715 Horizon Dr., #330, Gr. Jct, CO 81501		8. Farm or Lease Name Federal	
4. Surface Location of Well (Governmental 1/4 or 1/4 1/4) SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 10, T20S, R23E, SLM Attach: Topographical or other acceptable map showing location, access road, and lease boundaries.		9. Well No. Federal #10-02	
14. Formation Objective(s) Test formations down to the Entrada		15. Estimated Well Depth 2200' \pm	
16. To Be Completed by Operator Prior to Onsite a. Location must staked 12-1-83 b. Access Road Flagged 12-1-83 c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and ditches (To be provided at onsite)		10. Field or Wildcat Name Cisco Springs Oil & Gas Field 11. Sec., T., R., M., or Blk and Survey or Area Section 10, T20S, R23E, SLM	
17. To Be Considered By Operators Prior to Onsite a. H ₂ S Potential None b. Private Surface Ownership None c. Cultural Resources (Archaeology) Complete d. Federal Right of Way Lease line very close to county road		12. County or Parish 13. State Grand County Utah	

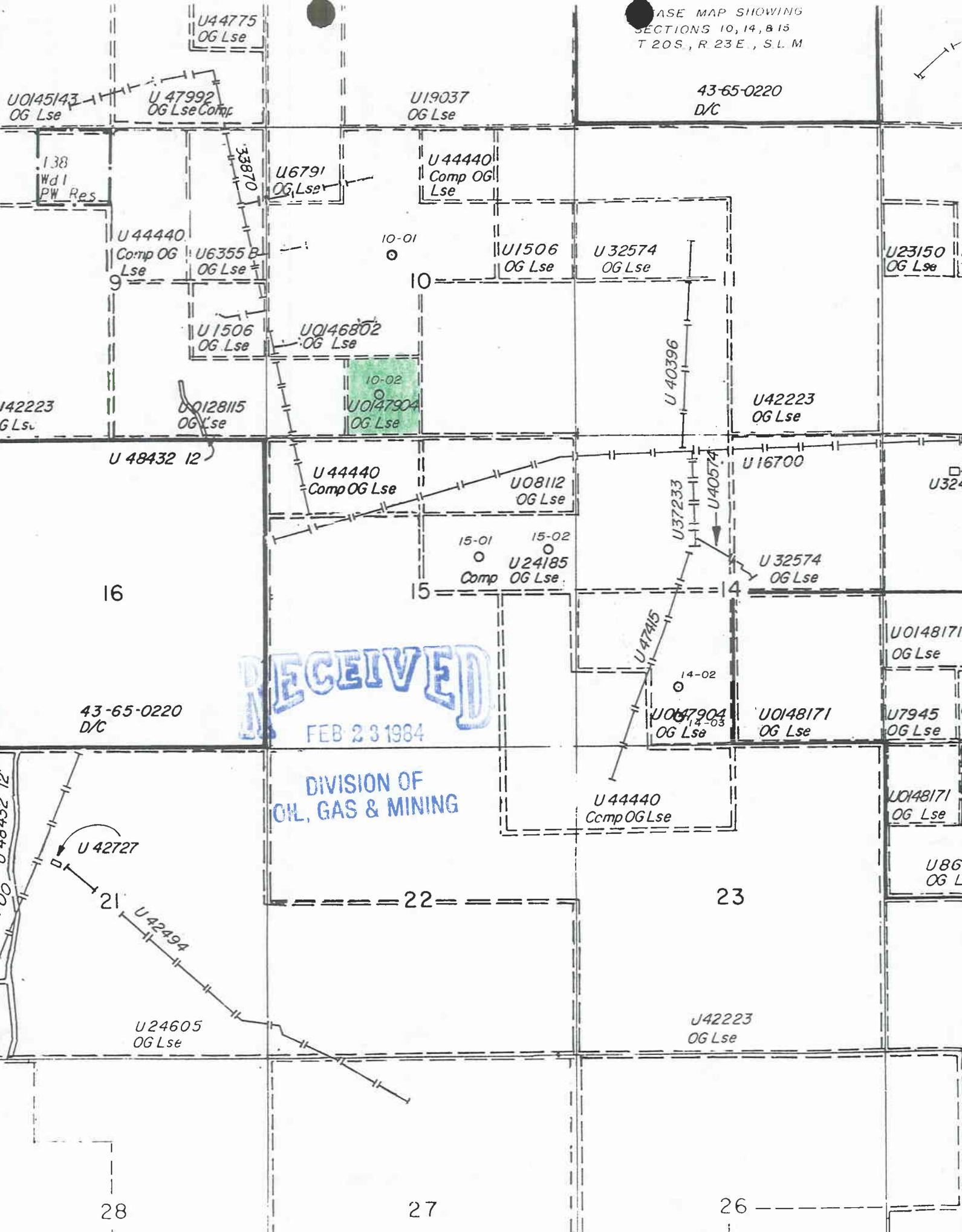
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18. Additional Information

19. Signed *Garry D. Berken* Title Consulting Agent Date 1-25-84



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138
Wd1
PW Res

U0145143
OG Lse

U 47992
OG Lse Comp

U19037
OG Lse

43-65-0220
D/C

U 44440
Comp OG
Lse

U6355 B
OG Lse

U6791
OG Lse

U 44440
Comp OG
Lse

U1506
OG Lse

U 32574
OG Lse

U23150
OG Lse

U1506
OG Lse

U0146802
OG Lse

10-02
U0147904
OG Lse

142223
G.L.S.

U0128115
OG Lse

U 40396

U42223
OG Lse

U 48432 12

U 44440
Comp OG Lse

U08112
OG Lse

U16700

U3247

16

15

15-01 15-02
U24185
Comp OG Lse

U37233

U 32574
OG Lse

U0148171A
OG Lse

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43-65-0220
D/C

U47415

14-02
U0147904
OG Lse

U0148171
OG Lse

U7945
OG Lse

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U 44440
Comp OG Lse

U0148171
OG Lse

U865
OG Lse

U 48432 12'

U 42727

21' U 42494

22

23

U24605
OG Lse

J42223
OG Lse

28

27

26

EXHIBIT 'A'
TEN-POINT COMPLIANCE PROGRAM OF NTL-6
APPROVAL OF OPERATIONS

Willard Pease Oil & Gas Company
Federal # 10-2
Section 10, T20S, R23E
Grand County, Utah

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1. Geologic Surface Formation

The surface formation is Mancos.

2. Important Geologic Markers (Estimated Formation Tops)

<u>Formation</u>	<u>Depth</u>
Mancos	Surface
Dakota	1410'
Morrison	1560'
Salt Wash	1760'
Entrada	2160' ✓

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Fluids or Minerals</u>
Morrison	1700'	Oil and/or Water
Salt Wash	1850'	Oil

4. Proposed Casing Program

Surface Casing:

- (a) Drill 12¼" hole to 200' and set 8 5/8" 24.0# cemented to surface.
- (b) Drill 7 7/8" hole to TD and set 4½" 10.5# with 150 sx RFC cemented through all pay zones, cemented to 200' above the top of the Dakota formation.

5. Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in this well. The BOP'S will be hydraulically tested to 1000 psi after nipling up and after any use under pressure. Pipe rams will be operationally checked each trip. All tests will be recorded in the daily drilling report. Accessories to BOP's include Kelly Cock, safety valve, drill string BOP and choke with pressure rating equivalent to the BOP stack.

6. Type and Characteristics of Proposed Muds

The well will be drilled with air mist. If water is encountered, then air-soap-water mist will be used. In the event of caving problems, conversion to mud will be mixed and ready, if needed to kill well or logging operations.

7. Auxillary Equipment to be Used

- (a) Kelly Cock will be kept in the string.
- (b) A full opening stabbing valve will be on the floor for use, when the Kelly is not in the string.
- (c) A float will be run at the bit.
- (d) Monitoring equipment will be installed and used on the mud system.

8. (a) Drill stem tests are not planned at this time.
- (b) The logging program will consist of a dual-induction-latero-log run from bottom to the top of the hole; and a gamma-density and compensated neutron porosity log will be run from bottom to 200' above the Dakota formation. This program will locate and identify any coal beds in the Dakota.
- (c) No coring is planned.
- (d) Drilling samples will be caught at 30' intervals BSC to 1300'; from 1300' to TD samples at 10' intervals.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been encountered in the area and none are anticipated. The temperature will be monitored in the return line to provide a temperature profile from surface to TD to aid in geothermal resource research.

10. Anticipated Starting Date and Duration of Operations

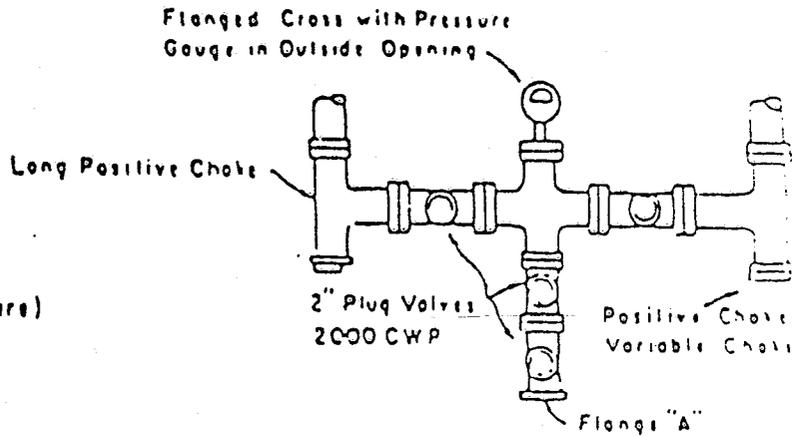
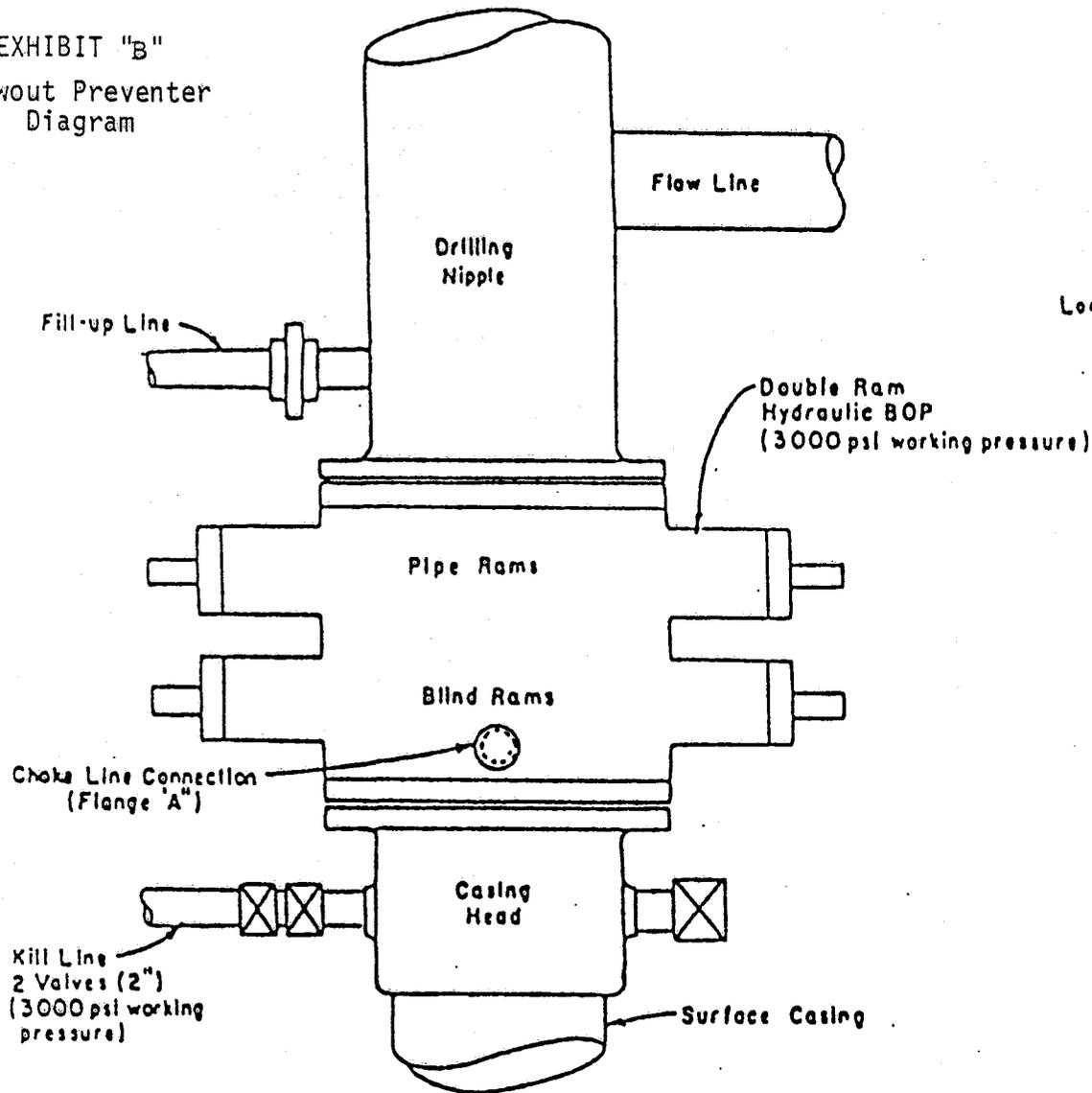
The anticipated starting date is May 1, 1984.

Drilling Operations should be completed 7 to 8 days after spudding.

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EXHIBIT "B"
Blowout Preventer
Diagram



PLAN VIEW-CHOKE MANIFOLD

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EXHIBIT 'C'
MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Willard Pease Oil & Gas Company
Federal #10-02
Section 10, T20S, R23E
Grand County, Utah

1. Existing Roads

- A. Plat No. 1 is the proposed well site as staked by Energy Surveys and Engineering Corp. Staking included two 200' reference points with elevations and elevation of location.
- B. Map #1 is the route and distance map. The location is a total of 4.9 miles northwesterly of the East Cisco Exit. Beginning at the East Cisco Exit on Interstate 70, go north-erly for 0.1 mile on Grand County road to a T intersection; turn left onto Grand County roadway, travel northwesterly 4.7 miles to the beginning of the proposed access road flag-ged 0.1 mile northerly to the location.
- C. Map #1 is a copy of a portion of the Danish Flat, Utah Quad-rangle and shows the access road into the location. The green color shows the existing road into the location. The red color indicates new road construction required to reach the location.
- D. All known existing roads appear on Map #1 and Map #2.
- E. All roads to the beginning of the access to be constructed are in good condition and are carrying truck traffic regularly. Occasional maintenance blading will keep roads in good condition.

2. Planned Access Roads

The proposed access to be constructed is 0.1 miles in length and will be 16' in width. Construction will be to Class 3 Road Standards. The proposed access road goes northerly 0.1 mile along the top of the plateau to the location.

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- (1) The typical section of the proposed access road will be 16' in width.
- (2) Maximum grade will be 5% or less.
- (3) No turnouts will be required.
- (4) No culverts are required.
- (5) Drainage will be carried in bar ditches to natural drainage courses.
- (6) Road surface material will be that native to the area.
- (7) No cattleguards or gates will be required. This is an open range area.
- (8) The proposed access road was flagged at the time the location was staked.

The operator or his contractor will notify B.L.M. office in Moab, Utah (phone 801/259-6111) at least 48 hours prior to commencement of any work on this location or roadway.

3. Location of Existing Wells

For all existing wells within a one-mile radius of this development well, see Map #1.

- (1) There are no water wells.
- (2) There are no abandoned wells.
- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5) There are no drilling wells.
- (6) There are producing wells, as shown on Map #1
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) There are no monitoring wells or observation wells.

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4. Location of Existing and/or Proposed Facilities

A. Within a one-mile radius of this location are the following existing facilities owned or controlled by lessee/operator:

- (1) Tank batteries - As shown on Map #1
- (2) Production facilities - As shown on Map #1
- (3) Oil gathering lines - As shown on Map #1
- (4) Any gas gathering lines are under control of Northwest Pipeline Company.
- (5) Injection lines - none
- (6) Disposal lines - none

- B. (1) Plat #5 shows all anticipated production facilities.
(2) The dimensions of production facilities shown on Plat #5 are drawn to a scale of 1" = 50'.

- B. (3) That portion of the location to be used for production will be leveled for placement of production equipment. Tank batteries will be placed on 3" gravel pad and enclosed within a 4 foot fenced berm which will be at least 15' from any tank. The berm will have a volume in excess of 110% of the volume of the tank battery. The unloading valve will be placed within the berm connected to the truck loading stand with a buried line. An oil sump will be placed around the truck loading stand, consisting of a gravel-filled barrel to catch any spilled oil during the loading operation. Tanks will be painted a neutral color to blend with the area. The B.L.M. will specify the color.

Separators, heater/treaters and meter houses will be placed on gravel pads or concrete bases, and will be painted the same color as the tanks.

Pump-jacks will be placed on concrete bases, or on raised earthen mounds covered with gravel.

- (4) A 15x15 blow-down pit will be fenced using 36" wovenwire with one barbed-wire above. If oil is present, the pit will be flagged to provide wildlife protection.

- C. Rehabilitation, whether the well is productive or not, will be made on the unused areas as soon as practical in accordance with the restoration plans presented in Item 10 following.

5. Location and Type of Water Supply

- ✓ A. Water will be trucked from Cisco Springs 1.7 road miles north-westerly of the location, as shown on Map #2.

B. Water will be trucked over the approved access road by oil-field water trucks.

C. No water well is planned.

6. Source of Construction Materials

A., B., C., D.

No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads from Cisco area. No special access other than for drilling operation is needed.

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7. Methods for Handling Waste Disposal

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- (1) Drill cuttings will be buried in the blooie pit when covered.
- (2) Drilling fluids will be contained in steel mud pits and the blooie pit. These fluids will be disposed of in the blooie pit.
- (3) Any hydrocarbon liquids produced while drill stem testing or production testing will be contained in a test tank set near the pipe baskets or near the wellhead. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Portable chemical toilets will be provided and serviced by a local commercial sanitary service.
- (5) Garbage and trash will be collected in a trash cage and its contents hauled to a sanitary landfill.
- (6) Previous to commencement of drilling, the blooie pit will be fenced on three sides using 36" woven wire with one strand of barbed-wire above. When drilling activities are completed it will be fenced on the fourth side and allowed to dry (if liquids are present). Otherwise, reclamation procedures will commence to rehabilitate and reseed the disturbed areas outside of the area needed for production. See Item 10 for other rehabilitation requirements.

8. Ancillary Facilities

No air strips, camps or other living facilities will be built off the location. Housing and office trailers will be on the location as seen on Plat #5.

9. Well Site Layout

- (1) Plat #2 is the Drill Pad Layout as staked by Energy Surveys & Engineering Corp. Cut and fill contours have been drawn on this plat. Topsoil, surplus material to be stockpiled have been shown. The top 6" of topsoil from the disturbed area of the pit and pad will be stockpiled as shown on Plat #2.
- (2) Plat #3 shows the cut/fill cross-sections as taken from Plat #3.
- (3) The mud tanks, blooie pit, trash cage, chemical toilet, pipe racks, living facilities, rig orientation, parking areas and access road are all shown on Plat #4.
- (4) The blooie pit will have a cleared area around its outside perimeter of a dozer width taken to mineral soil as a fire control measure. The blooie pit will not be lined.

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10. Plans for Restoration

- (1) Backfilling, leveling, and recontouring will be accomplished as soon as possible after plugging of the well, or on those unsued areas if production is obtained. Rehabilitation work will commence within 90 days of completion of this well. Waste disposal and spoils materials will be buried or hauled away.
- (2) All disturbed areas will be scarified with the contour to a depth of 6 inches. The stockpiled topsoil will be evenly distributed over the disturbed area to be rehabilitated. The attached seed mixture approved by the B.L.M. will be broadcast over the rehabilitated areas. A harrow-type implement will be drug over the seed bed to insure seed cover.
- (3) Three sides of the reserve pit will be fenced prior to drilling. Upon completion the fourth side will be fenced until rehabilitation necessitates removal.
- (4) Any oil spills will be immediately reported, and cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as practical, (after completion of the well). All recontouring, rehabilitation, reseeding will continue until completed unless so directed by the B.L.M.
- (6) The Grand Resource Area in Moab, Utah will be called at least 48 hours before work begins on the rehabilitation program.

11. Other Information

- (1) **Topographic and Geologic Features of the Area**
(reference Topographic Map #1)

The location lies on the top of a ridge which gently slopes Northeasterly into Danish Wash. The access road follows the top of the ridge southerly to the county road.

The flora of the area consists of Rabbit Brush, Cheat Grass, Shadscale, Indian Rice Grass, Sagebrush, Curly Grass, Prickly Pear Cactus, Spanish Bayonet.

The fauna of the area includes rabbits, antelope, coyote, livestock, crows, raptors, songbirds.

- (2) The surface ownership is Federal. The surface use is grazing and petroleum production.

11. (3) (a) The nearest live water is located at Cisco Springs which is in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 9, T20S, R23E, SLM.
(b) The nearest occupied dwelling is in the town of Cisco, approximately seven miles southerly.
(c) An archeological report by Grand River Institute is being sent under separate cover.
(4) There are no reported restrictions or reservations noted on the oil and gas lease.

12. Lessee's or Operator's Representative

Willard Pease
Willard Pease Oil & Gas Co.
P.O. Box 1874
Grand Junction, CO 81501
303-245-5917

J.N. Burkhalter
Burkhalter Engineering
715 Horizon Dr., Suite 330
Grand Junction, CO 81501
303-242-8555

13. Certification

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

1-25-84
Date

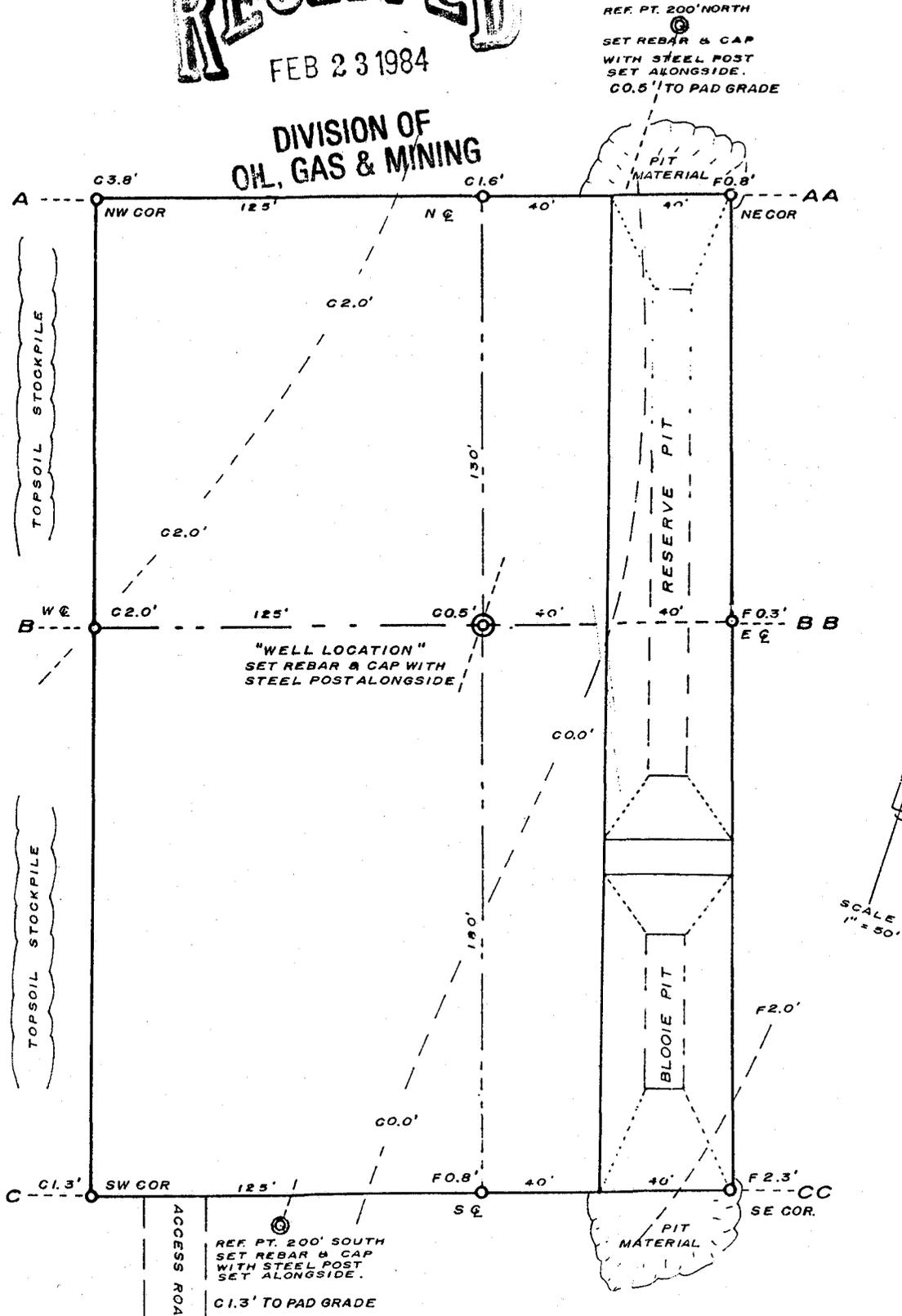
J.N. Burkhalter
Representative

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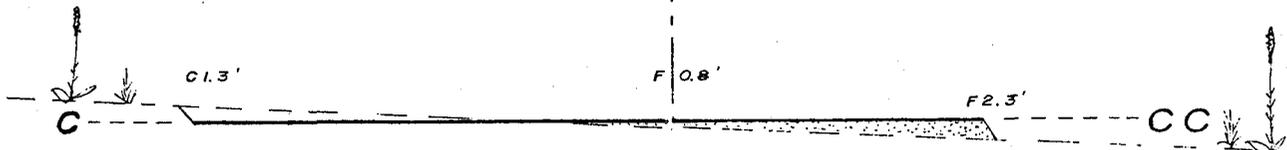
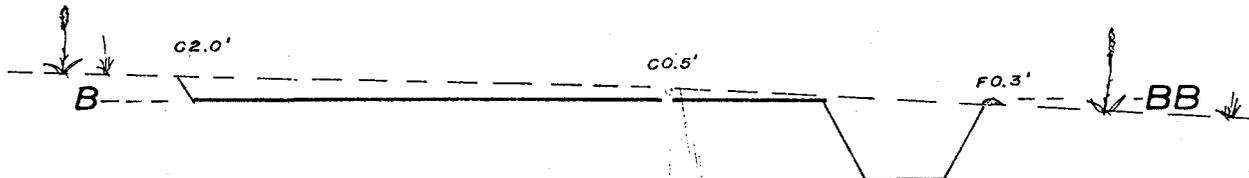
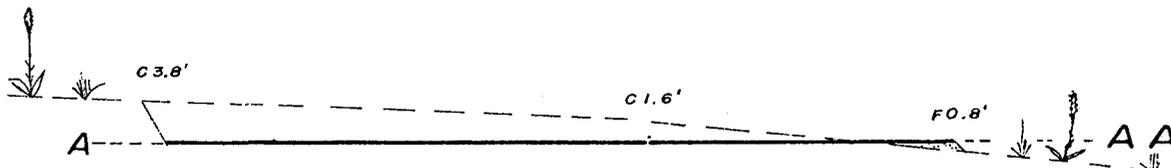
ESTIMATED CUBIC YARDAGE QUANTITIES

ITEM	PAD	PIT	TOTAL
CUT	1759	2280	4039
FILL	319		319
TOPSOIL	947	230	1177

STORE PIT MATERIAL AT EACH END (AS SHOWN)

WILLARD PEASE OIL & GAS CO.
FEDERAL NO. 10-02

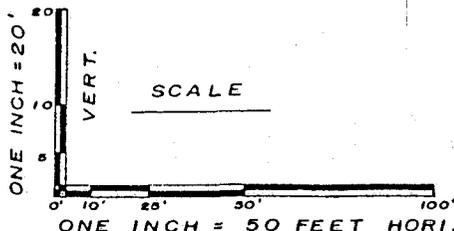
CROSS-SECTIONS
OF PIT & PAD



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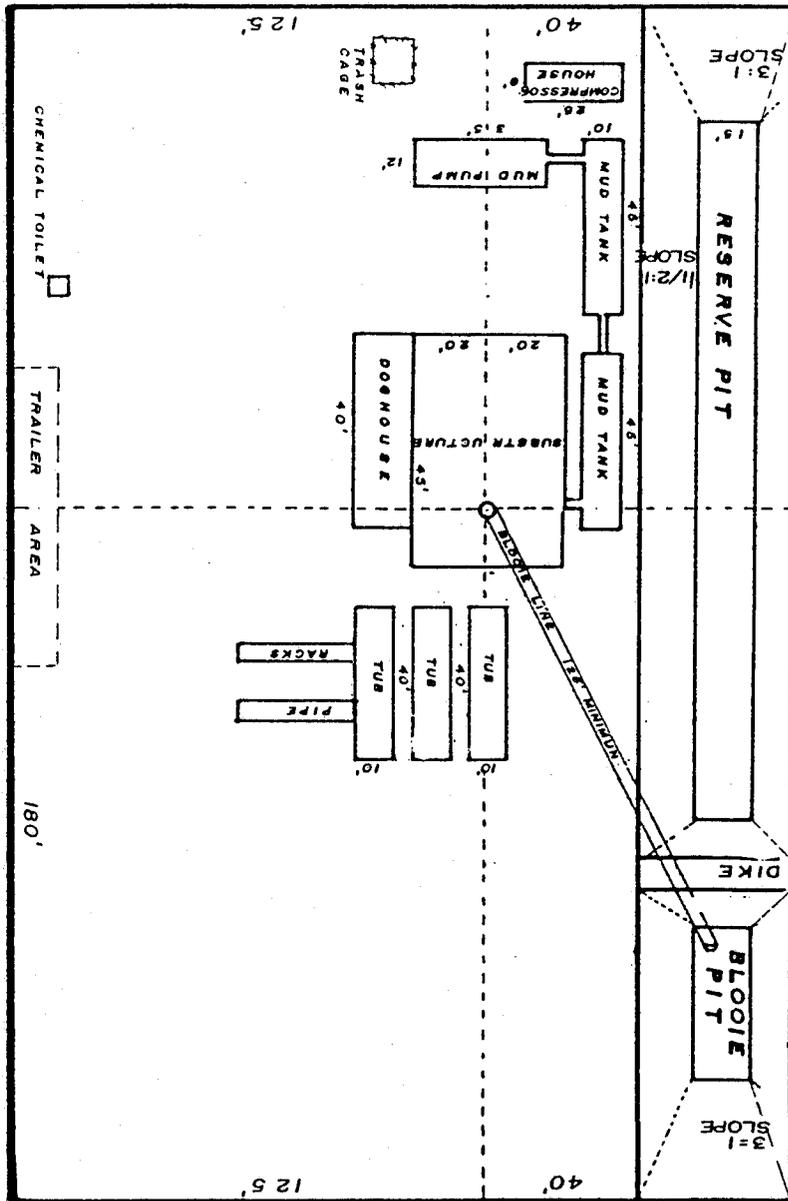


FEDERAL NO. 10-02

PREPARED BY ENERGY SURVEYS & ENGINEERING CORP

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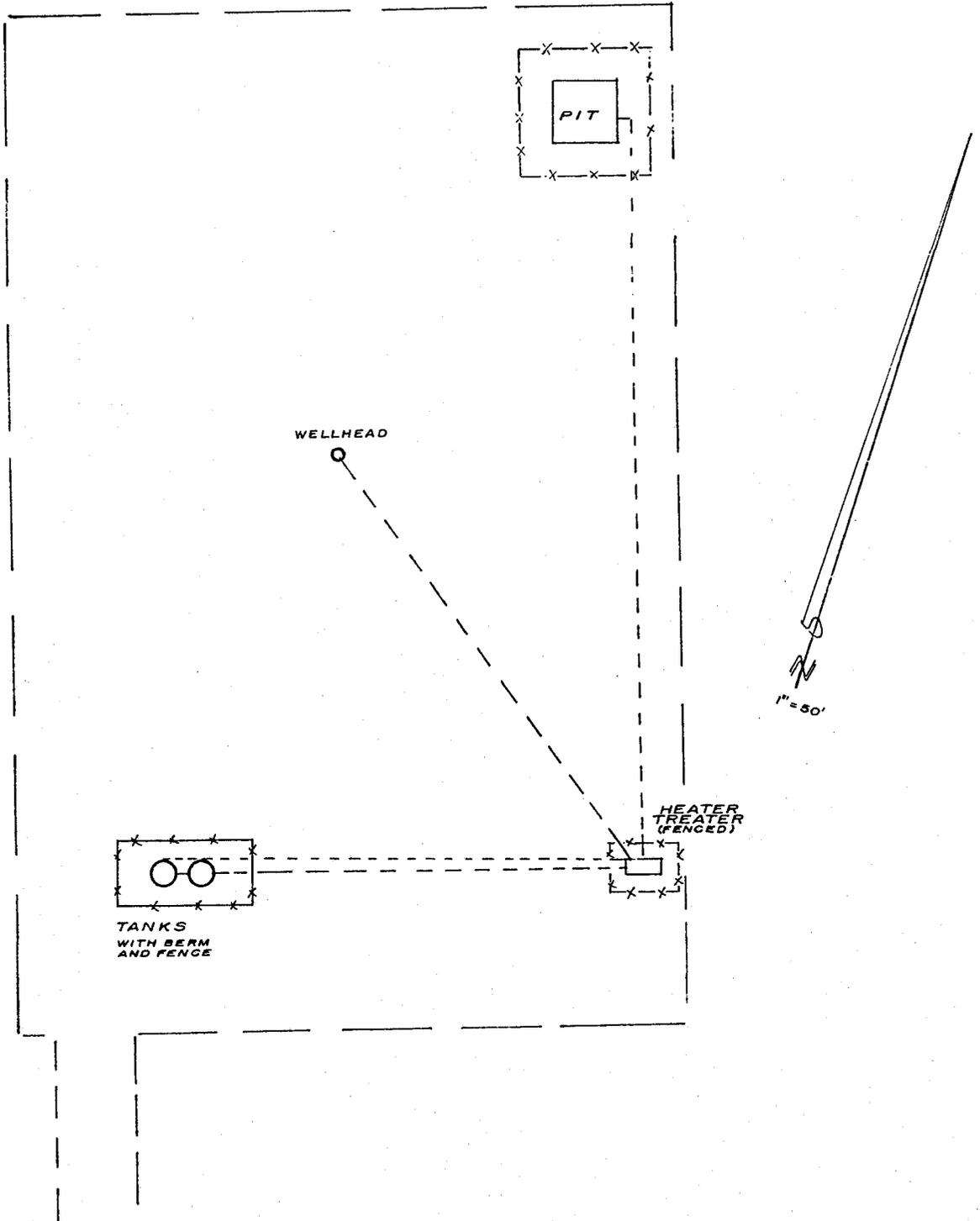
SCALE
1" = 50'

RECEIVED

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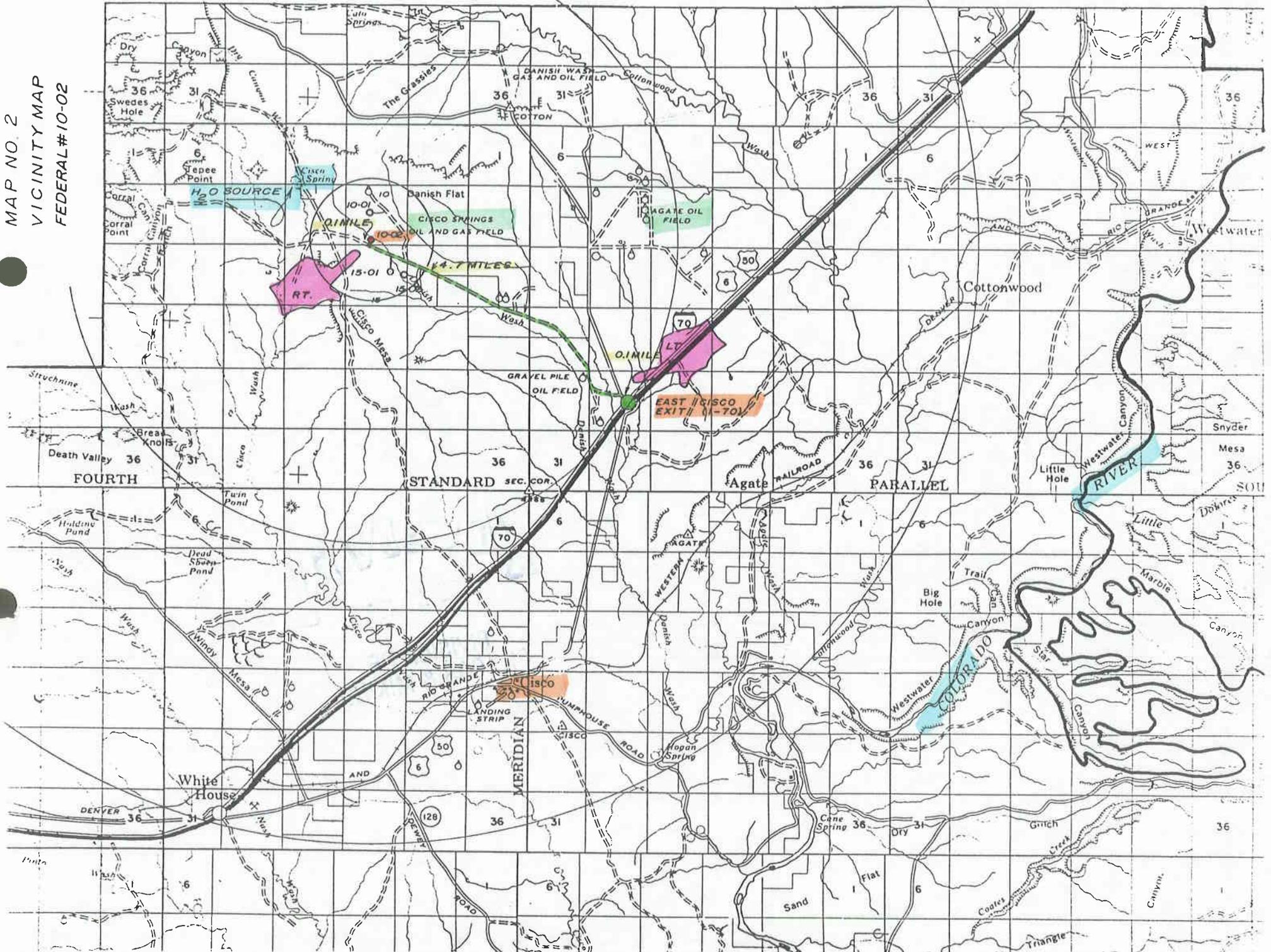
PLAT NO. 5
PRODUCTION FACILITIES

DIVISION OF OIL, GAS & MINING



PRODUCTION FACILITIES
FEDERAL NO.
10-02

MAP NO. 2
VICINITY MAP
FEDERAL #10-02



OPERATOR

Willard Phase Oil & Gas

DATE

2-23-84

WELL NAME

Federal #10-02

SEC

SESU 10

T

20S

R

23E

COUNTY

Grand

43-019-31134

API NUMBER

Federal

TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

Water

CHIEF PETROLEUM ENGINEER REVIEW:

2/29/84

Oil well

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

202-16B 11-15-79
CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-16B

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

Need VERIFY LEGAL AND SUFFICIENT DRILLING WATER

February 29, 1984

Willard Pease Oil & Gas
P. O. Box 1874
Grand Junction, CO 81501

Re: Well No. Federal 10-02
SESW Sec. 10, T. 20S, R. 23E
530' FSL, 1850' FWL
Grand County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 102-16B dated November 15, 1979, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31134.

Sincerely,



R. J. Firth
Chief Petroleum Engineer

RJF/gl
Enclosures
cc: Branch of Fluid Minerals

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BLowout
MAR 7 1984

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 530' FSL, & 1850' FWL, in the SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 10
 At proposed prod. zone
 Approximately Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 4.9 Miles Northwesterly of East Cisco Exit on I-70

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	530	16. NO. OF ACRES IN LEASE	40	17. NO. OF ACRES ASSIGNED TO THIS WELL	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH	2200'	20. ROTARY OR CABLE TOOLS	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR. 4779'

22. APPROX. DATE WORK WILL START*
 May 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8 5/8"	24#	200'	Circulate cement to surface
7 5/8"	4 $\frac{1}{2}$ "	10.5#	2200'	150 sx cement

EXHIBITS ATTACHED

- Plat #1 - Location and Elevation Plat
- Exhibit 1A - Notice of Staking letter
- 'A' - Ten-Point Compliance Diagram
- 'B' - Blowout Preventer Diagram
- 'C' - Multi- Point Requirements for APD
- Map #1 - Access Road and Radius Map of Wells in Area
- Map #2 - Vicinity Map
- Plat #2 - Drill Pad Layout with Contours
- Plat #3 - Cross-Sections of Drill Pad
- Plat #4 - Drill Rig Layout
- Plat #5 - Production Facility layout
- "D" - Rehabilitation Plan

RECEIVED
 UTAH STATE OFFICE
 1984 FEB -8 AM 9 26
 DEPT. OF INTERIOR
 BUR. OF LAND MGMT.

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. N. Burkhardt TITLE Agent DATE 1-25-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

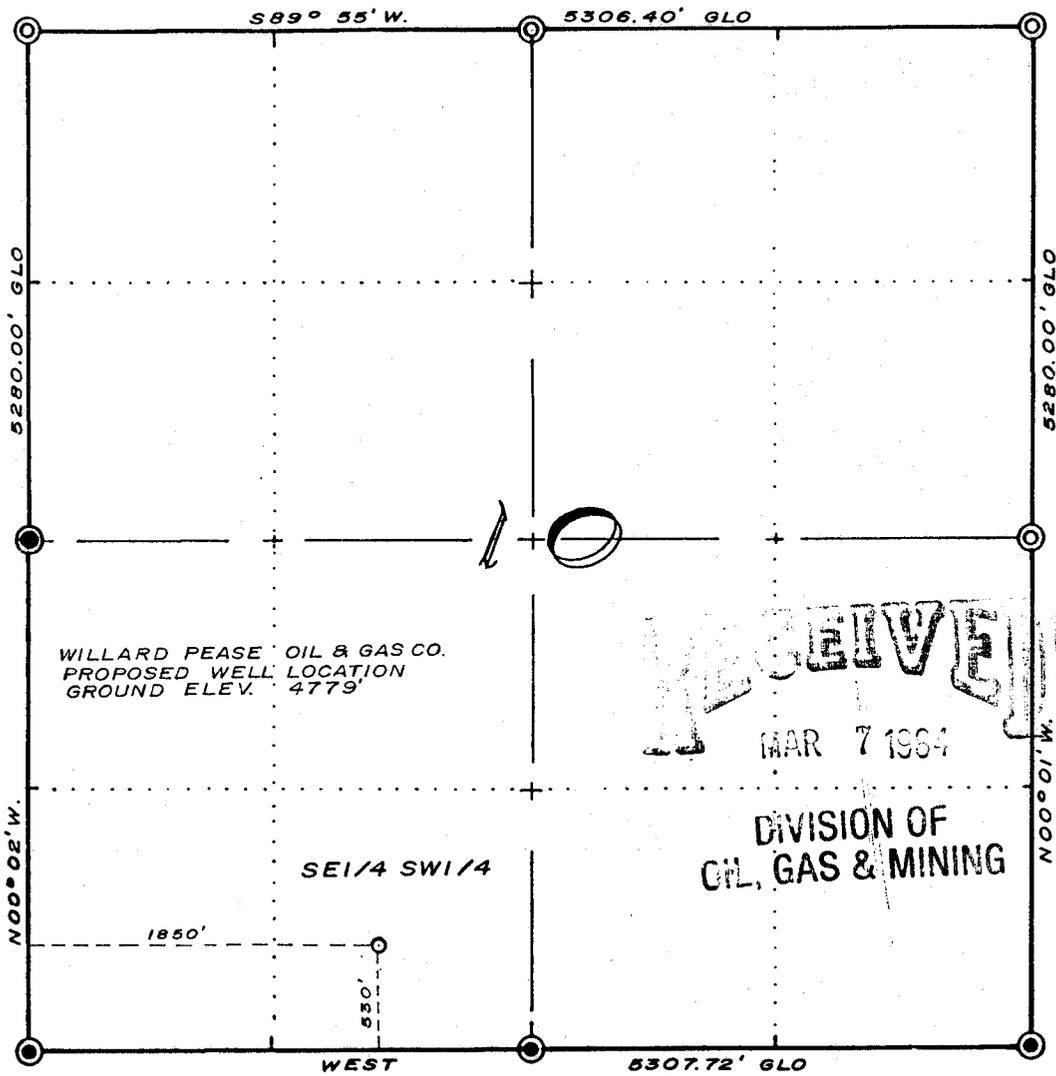
APPROVED BY s/James J. Travis TITLE Acting District Manager DATE 3/2/84

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

SEC. 10, T. 20 S., R. 23 E. OF THE SLM



WILLARD PEASE OIL & GAS CO.
PROPOSED WELL LOCATION
GROUND ELEV. 4779'

RECEIVED
MAR 7 1964

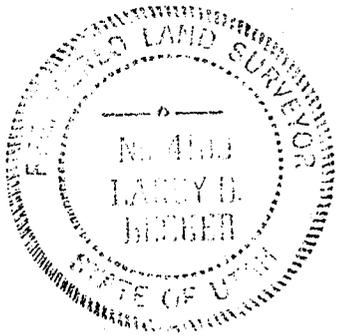
DIVISION OF
OIL, GAS & MINING

SE 1/4 SW 1/4



- LEGEND**
- ⊙ STANDARD LOCATION OF GLO SECTION CORNERS
 - GLO CORNERS FOUND
 - WELL LOCATION STAKED.
- REFERENCE DOCUMENTS**
- 1925 GLO PLAT
 - DANISH FLAT, UTAH QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR WILLARD PEASE OIL & GAS CO. TO LOCATE THE FEDERAL NO. 10-02, 530' F.S. L. & 1850' F.W. L. IN THE SE 1/4 SW 1/4, OF SECTION 10, T. 20S., R. 23E. OF THE S.L.M. GRAND COUNTY, UTAH.



SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D. Becker

SURVEYED	12-1-63	ENERGY SURVEYS & ENGINEERING CORP. 715 HORIZON DRIVE, SUITE 330 GRAND JUNCTION, CO 81501 (303) 245-7221	SCALE 1" = 1000'
DRAWN	12-2-63		JOB NO.
CHECKED	12-3-63		SHEET OF

Operator: Willard Pease
Well: Federal 10-02
Sec. 10, T. 20S., R. 23 E.
Grand County, Utah
Lease: U-0147904

RECEIVED
MAR 7 1984

Supplemental Stipulations
and Conditions of Approval

DIVISION OF
OIL, GAS & MINING

1. All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.
2. Any fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
3. Blooie lines will be misted when air drilling.
4. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure tested before drilling casing cement plugs.
5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160.4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.
6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
7. The spud date will be reported orally to the District Manager 24 hours prior to spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the work day.

8. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P.O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.
9. If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
10. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than the first business day following the date on which the well is placed on production.
11. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the District Manager within 30 days following completion of the well and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the District Manager or his representative, or the appropriate Surface Managing Agency.
12. A first production conference will be scheduled within 15 days after receipt of the first production notice.
13. Upon completion of approved plugging, erect the regulation marker in accordance with 43 CFR 3162.2 and clean up the location. The marker should not be less than 4 inches in diameter and extend approximately 4 feet above general ground level. Heap up the dirt around the base of the marker about 18 inches to take care of any settling of the cellar. The top of the marker must be closed or capped.

The following minimum information shall be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch:

"Fed" or "Ind", as applicable.

"Well Number, location by $\frac{1}{4}$ section, township and range."

14. All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. Suitable colors would be sand beige or desert brown.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 ½ times the storage capacity of the battery.

15. All produced liquids must be contained including the dehydrator vent/condensate line effluent.
16. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
17. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
18. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
19. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the well head to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
20. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The District Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
21. A copy of the gas sales contract will be provided to this office and the Royalty Accounting Department.
22. Produced waste water will be contained to a unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the District Managers approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.
23. Excess material will be used as backstop for blooie line.
24. Prior to reseeding, all disturbed areas, including the access roads, will be scarified to a depth of 8 inches and left with a rough surface.
25. The following seed mixture will be used:

Hilaria jamesii	Galleta	2 lbs/acre
Oryzopsis hymenoides	Indian ricegrass	4 lbs/acre
Melilotus officinalis	Yellow sweetclover	2 lbs/acre
Atriplex nuttallii	Nuttall saltbush	2 lbs/acre

26. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.
27. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
28. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
29. The dirt contractor will be provided with an approved copy of the surface use plan.
30. This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Moab District
P. O. Box 970
Moab, Utah 84532

MAR 22 1985

Willard Pease Oil and Gas
P. O. Box 1874
Grand Junction, CO 81501

Re: Rescinding Application for
Permit to Drill
Well No. Federal 10-02
Sec. 10, T. 20 S., R. 23 E.
Grand County, Utah
Lease U-0147904

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 2, 1984. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/S/ GENE NODINE

District Manager

cc:
State of Utah, Division of Oil, Gas and Mining ✓
Grand Resource Area

bcc:
U-942, Utah State Office

CFreudiger/cf 3/22/85



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 1, 1985

Bureau of Land Management
Branch of Fluid Minerals
P O Box 970
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Gentlemen:

Re: Well No. Federal 10-02 - Sec. 10, T. 20S, R. 23E,
Grand County, Utah - Lease No. U0147904
Operator of Record: Willard Pease Oil & Gas Co.

The above referred to well in your district was given federal approval to drill March 2, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/41



United States Department of the Interior

3162 (U-065)

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

09 APR 1985

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Pam Kenna

Re: Requests on Status of Wells

Gentlemen:

We are replying to your requests for status on the following wells:

- 1) Willard Pease Oil and Gas Company
Well No. Federal 10-01
Sec. 10, T. 20 S., R. 23 E.
Lease U-0146802

We are in the process of rescinding this application.

- 2) Willard Pease Oil and Gas Company
Well No. Federal 10-02
Sec. 10, T. 20 S., R. 23 E.
Lease U-0147904

This application was rescinded March 22, 1985.

- 3) Willard Pease Oil and Gas Company
Well No. Federal 15-02
Sec. 15, T. 20 S., R. 23 E.
Lease U-24185

This application was approved May 11, 1984. There is no indication of any drilling activity. We will commence action for rescinding this application after May 11, 1985. Approval is given on an application for one year.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely,

Acting District Manager

RECEIVED

APR 12 1985

DIVISION OF OIL
& GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 11, 1985

Willard Pease Oil & Gas
Po Box 1874
Grand Junction, Colorado 81501

Gentlemen:

Re: Well No. Federal 10-02 - Sec. 10, T. 20S., R. 23E.,
Grand County, Utah - API #43-019-31134

In concert with action taken by the Bureau of Land Management, March 22, 1985, approval to drill the above referenced well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza
Petroleum Engineer

pk

cc: Dianne R. Nielson
Ronald J. Firth
File

0170S/44