

V. ~~Con~~ ~~it~~ ~~ing~~ ~~on~~ ~~completion.~~ *
~~status~~ ~~well~~: 1-13-78
 Shut-in oil well - 7/5/78

FILE DATA. AS

Entered in NID File ✓
 Location Map Pinned ✓
 Card Indexed ✓

Checked by Chief
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed **7-5-78**
 SLOW ✓
 OS..... PA.....

Location Inspected
 Bond released
 State or Fee Land

LOGS FILED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on reverse side)

3. LEASE DESIGNATION AND SERIAL NO.
U-5675

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal - Anschutz

9. WELL NO.
Calf Canyon #6

10. FIELD AND POOL OR WILDCAT
Wildcat

11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA
NW, NE, Sec 10-20S-21E S. L. M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

22. APPROX. DATE WORK WILL START
Sept. 30, 1977

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

4. NAME OF OPERATOR
Willard Pease Oil & Gas Co.

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

6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: **NW, NE, Sec. 10, T. 20 S., R. 21 E., S. L. M.**
 At proposed prod. zone: **1355' from E-line & 702' from N-line**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approx. 1.6 miles NW. of Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest driz. unit line, if any)
618'

16. NO. OF ACRES IN LEASE
840 ac.

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

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1300'

19. PROPOSED DEPTH
3550'

20. ROTARY OR CABLE TOOLS
Rotary tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5645' grd.; 5656' K.B.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7-5/8"	24.00#	250'	110 sks circulated to sur.
3-3/4"	4"	10.50#	to production	Cemented 200' above Dakota

It is planned to drill a well at the above location to test the oil and/or gas potential of the Dakota, Cedar Mountain, and Morrison formations. (The Entrada will be tested if there is no good production prior.) The well will be drilled 50 ft. below the top of the Entrada unless good and sizable production is obtained at a lesser depth. Mancos formation is at the surface and well will be spudded in the Mancos. The top of the Dakota is expected at 2800', the Cedar Mountain at 2920'; the Morrison at 2930', the Summerville at 3435' and the Entrada at 3485'. The well will be drilled with rotary tools using air for circulation. In the event excessive gas, oil or water is encountered, it may become necessary to convert to mud. The surface casing will be set and cemented with returns to the surface. A blowout preventer (hydraulic plus manual back-up) will be installed on top of the casing head and a rotating head on top of the B.O.P. These will be tested to 2000# for leaks initially. Fill & kill lines (2") will be connected to the casing head below the B.O.P. rams. In the event of production 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. 4 1/2", 10.50#, casing will be run thru the production zone and cemented with sufficient cement to bring the cement top about 200' above the K.B.

SIGNED *John W. Gentry* TITLE Cons. Geol. DATE Sept 1, 1977

(This space for Federal or State office use)

PERMITS NO. _____ APPROVAL DATE _____

APPROVED BY *W. T. Martin* TITLE ACTING DISTRICT ENGINEER DATE NOV 06 1977

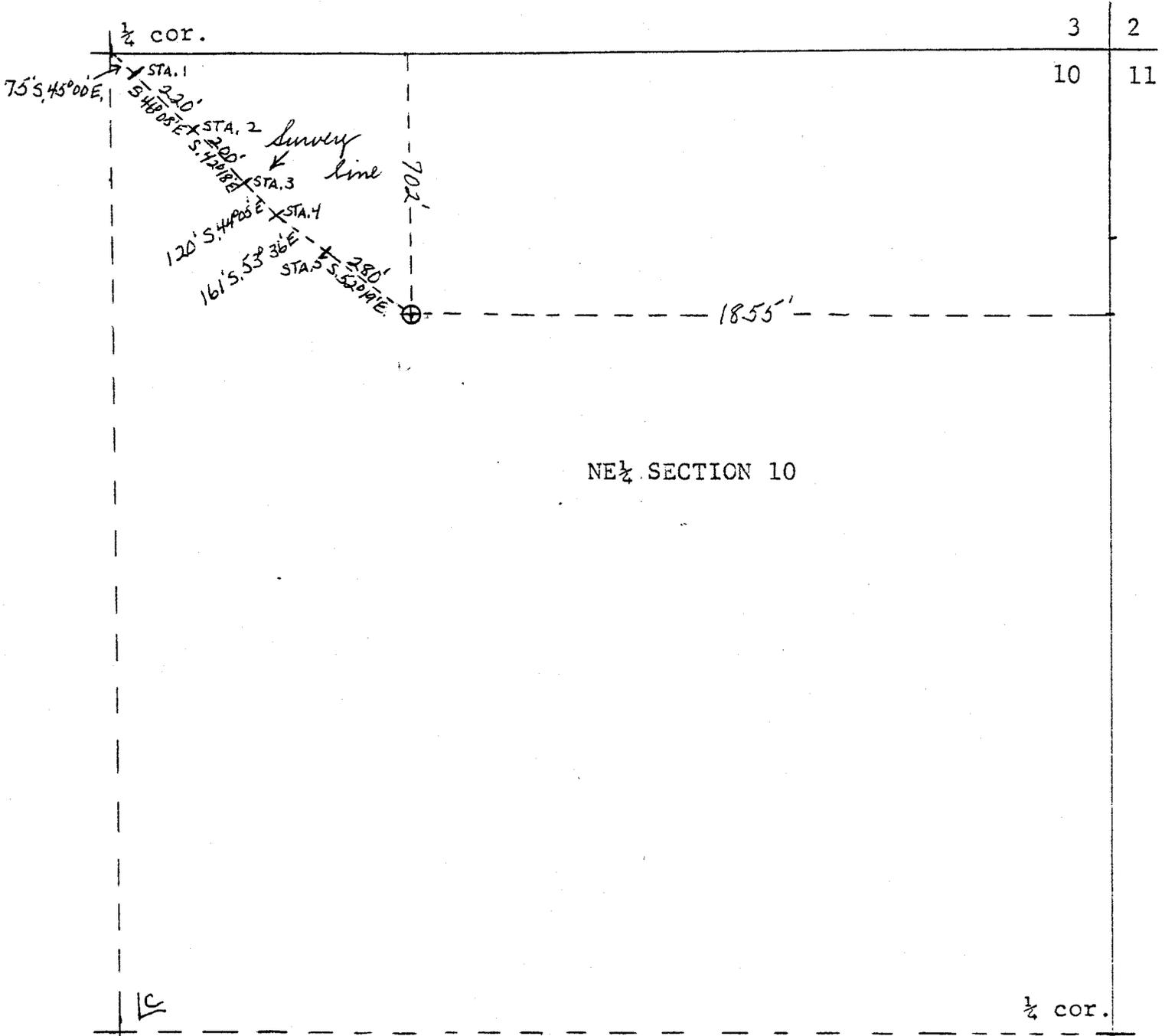
CONDITIONS OF APPROVAL, IF ANY:



Div of Oil, Gas, Mining

NOTICE OF APPROVAL On Reverse Side

LOCATION PLAT FOR
 WILLARD PEASE OIL & GAS COMPANY
 ANSCHUTZ CC #6 WELL
 NW.NE.SEC.10-20S-21E
 GRAND COUNTY, UTAH
 Elev.: 5645' grd.



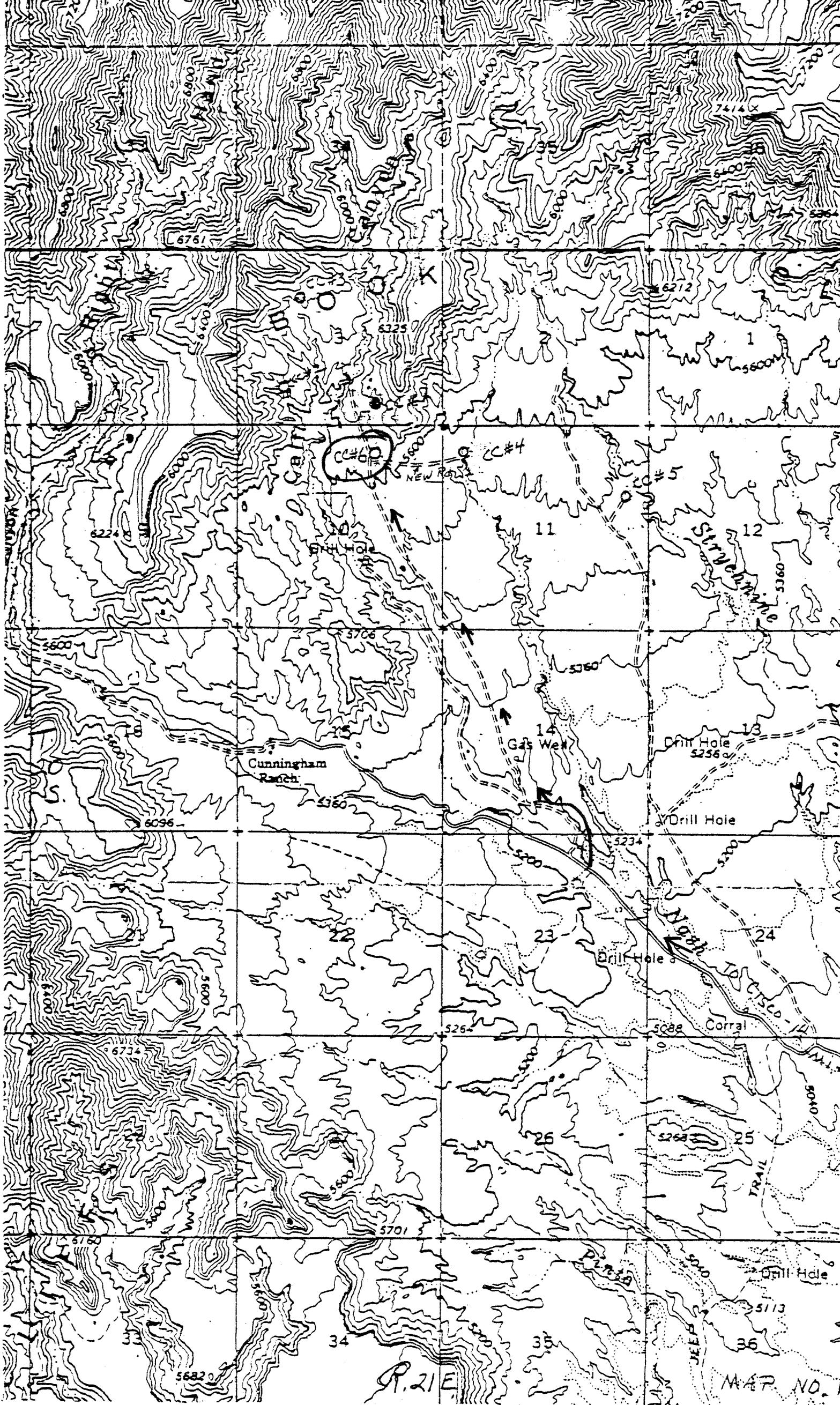
Ref. Pts. are 250' & 450' S. 15° 00' E.

Scale: 1 in. = 400 ft.
 Date: Sept. 1, 1977
 Surveyed by: W. Don Cuigley

I, W. Don Cuigley, certify that this
 plat was plotted from notes of a field
 survey made by me on July 24, 1977

W. Don Cuigley

Plat No. 1



6751

6325

6272

6224

CC#60

CC#4

CC#5

11

12

6376

6360

Gas Well

Drill Hole
5256

Cunningham
Ranch

6096

Drill Hole

23

24

Drill Hole

626

6088

Corral

25

25

TRAIL

6701

Drill Hole

5113

34

35

36

56820

P. 21 E

MAP NO. 1

ATTACHMENT 2-A

OPERATOR U-5675
LEASE # W. Pease O&G
WELL NO. CC #6
LOC W. ME SEC. 10
T. 20S R. 21E
COUNTY Grand STATE Ala
FIELD Wildcat
USGS Wilson
BLM Cumutt
REP: D. Quigley
DIRT
 ENHANCES
 NO IMPACT
 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)	Others	Trucks	Pipelines	Others	Spills and leaks	Operational failure
Forestry	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Grazing	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Wilderness	NA																		
Agriculture	NA																		
Residential-Commercial	NA																		
Mineral Extraction	NA																		
Recreation	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Scenic Views	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Parks, Reserves, Monuments	NA																		
Historical Sites				None	Known														
Unique Physical Features	NA																		
Birds	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Land Animals	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Fish	NA																		
Endangered Species				None	Known														
Trees, Grass, Etc.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Surface Water	NA																		
Underground Water	?																		
Air Quality	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Erosion	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Other																			
Effect On Local Economy	10								0					0					
Safety & Health	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Others
 Orig. Sec. A plot plan was attached that shows production
 cc. Reg. - Hammer
 Plan - Mosby
 Equip. layout. -- if they hit it big.

LEASE U-5675 DATE 10/5/77

WELL NO. CC #6

LOCATION: NW 1/4 NE 1/4, SEC. 10, T. 20S, R. 21E

FIELD Whcat COUNTY Grand STATE Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

Willard Pease Oil & Gas Co. PROPOSES TO DRILL AN OIL AND/OR
(COMPANY)

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 3550 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 225 FT. X 200 FT. AND A RESERVE PIT ~70 FT. X 120 FT.

3) TO CONSTRUCT 16 FT. WIDE X 50ft MILES ACCESS ROAD AND UPGRADE X

FT. WIDE X X MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. ~~TO~~

~~GAS OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD~~

AND ~~TRUCK TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN~~

SECTION T. R. Not determined at this time

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY: ROLLING HILLS DISSECTED TOPOGRAPHY DESERT
OR PLAINS STEEP CANYON SIDES NARROW CANYON FLOORS DEEP DRAINAGE
IN AREA SURFACE WATER Surface area relatively flat.

disturbed area to be primarily sagebrush, grass with
a few pinion/Juniper cut-downs. - location far enough
from road to not be hindrance to traffic in area.

(2) VEGETATION: SAGEBRUSH PINION-JUNIPER PINE/FIR FARMLAND
(CULTIVATED) NATIVE GRASSES OTHER Cadi

(3) WILDLIFE: DEER ANTELOPE ELK BEAR SMALL
MAMMAL BIRDS ENDANGERED SPECIES OTHER _____

(4) LAND USE: RECREATION[?] LIVESTOCK GRAZING[?] AGRICULTURE
 MINING INDUSTRIAL RESIDENTIAL OIL & GAS OPERATIONS

Note - at suggestion of B/M. - All surface soil will be stockpiled for use in rehabilitation effort.

REF: BLM UMBRELLA EAR *Grand Resource area (8/13/1975)*
USFS - EAR -
~~OTHER ENVIRONMENTAL ANALYSTS~~

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

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6) *No deleterious effects that would prevent access to drill.*

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED _____ TO AVOID _____
 LARGE SIDEHILL CUTS NATURAL DRAINAGE OTHER _____

4) _____

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6) _____

6. DETERMINATION:

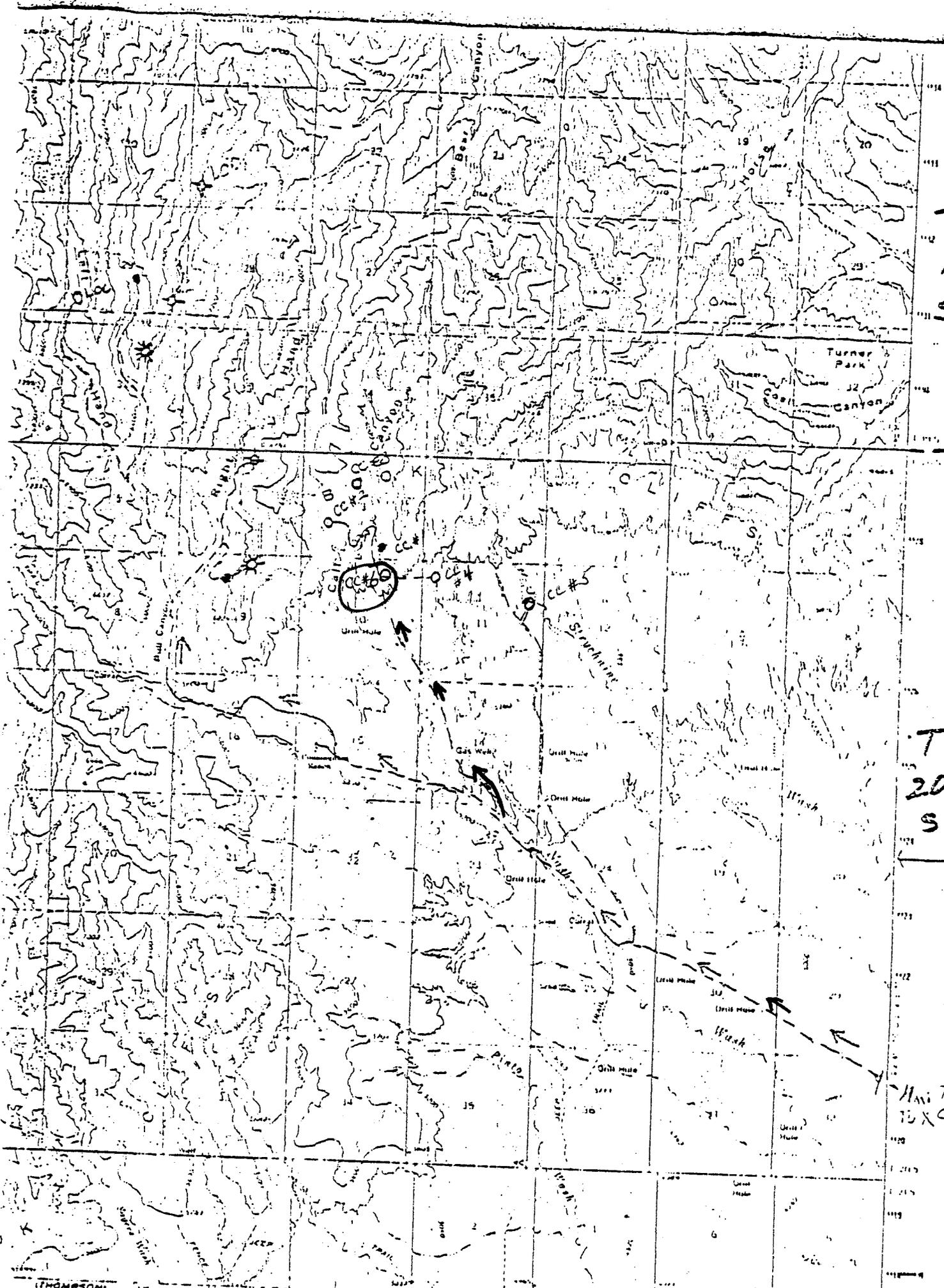
(THIS REQUESTED ACTION ~~WILL~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED 10/5/77

INSPECTOR James E. Wilson

E. S. [Signature]

U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATIONS
SALT LAKE CITY DISTRICT



T
19
S

T
20
S

11 mi TO
TOX CISC
↑

THOMPSON
SCALE 1:25,000

R21E

113

R22E

ROAD CLASSIFICATION

Light duty
Unimproved dirt
State Road

MAP NO. 2

FOUR INCHES
EQUIVAL 100 FEET
EQUIVAL 100 FEET
EQUIVAL 100 FEET

UTAH
SEGE CANYON, UTAH
1961

SEGE CANYON, UTAH
1961

SURFACE USE AND OPERATION PLAN
FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ CC #6 WELL
NW.NE.SEC.10-20S-21E
GRAND COUNTY, UTAH

1. Location and Lease: A survey plat showing the exact location of the proposed well site is attached. See Plat No.1. The location is along the side of the road leading to the CC #1 well, and is about $\frac{1}{4}$ mile south of the CC #1 well. The well is on Federal lease No. U-5675.
2. Access road: No new access road will be required since the location is next to an existing road. See Map No.1. Thus no road work will be necessary.
3. Location of Existing Wells: See attached maps. The proposed well is about $\frac{1}{4}$ mile south of the CC #1 well.
4. Location of Production Equipment: A plan for the anticipated production equipment, if the well is successful, is submitted on Plat No.2. When production ceases this equipment will be removed and the land surface graded, levelled, and reseeded.
5. Water Supply: Water for use on the drilling rig and for drilling purposes will be obtained from Nash Wash at a water hole built by the State road Commission and hauled to the location by truck. This will be a distance of about ten miles.
6. Road Material: No additional road material, gravel, or culverts will be required for the access road.
7. Waste Disposal: A reserve pit (unlined) and a burn pit will be constructed at the well site as shown on Plat No.3. All excess water, mud and drill cuttings will be deposited into the reserve pit. Burnable material and garbage will be put into the burn pit which will be fenced with chicken wire to prevent spreading of debris by the wind.

8. Camp Facilities: and Airstrips: No camp facilities other than two or three house trailers at the well site will be needed. No airstrips will be required.
9. Well Site Plan: A plan for the drilling equipment layout required for the drilling operations is submitted on Plat No. 3. The approximate dimensions of the drill site are shown. The site will be levelled for this equipment and the pits dug as shown. The reserve pit will have 4-ft. banks and will be made from the dozed material from the pit. The pit will be unlined.
10. Restoration: After drilling operations have been completed and the equipment removed, the well site will be cleaned, levelled, and restored to normal. The pits will be covered and the area r reseeded, if the well is not successful. Otherwise, the site will be levelled and prepared for the placement of the production equipment. This work will be accomplished within 30 days after the drilling equipment has been removed.
11. Land Description: As noted above the location of the well is next to the road. It is on a level spot which will required little grading. No deep cuts or fills will be necessary. The surface is mostly clear of trees with the exception of the east side. There are some Cedar and Juniper trees on the east side which will have to be removed to make room for the reserve pit. The surface is gravel and rocks originating from the erosion of the Mancos formation. The pits will be located on the east side of the location and will have about a 4-ft. cut with 4-ft. banks.
12. Representative: The operator's representative at the well site will probably be W. Don Quigley. The location and road work will probably be done by company equipment of Willard Pease Drilling Company and by its personnel.

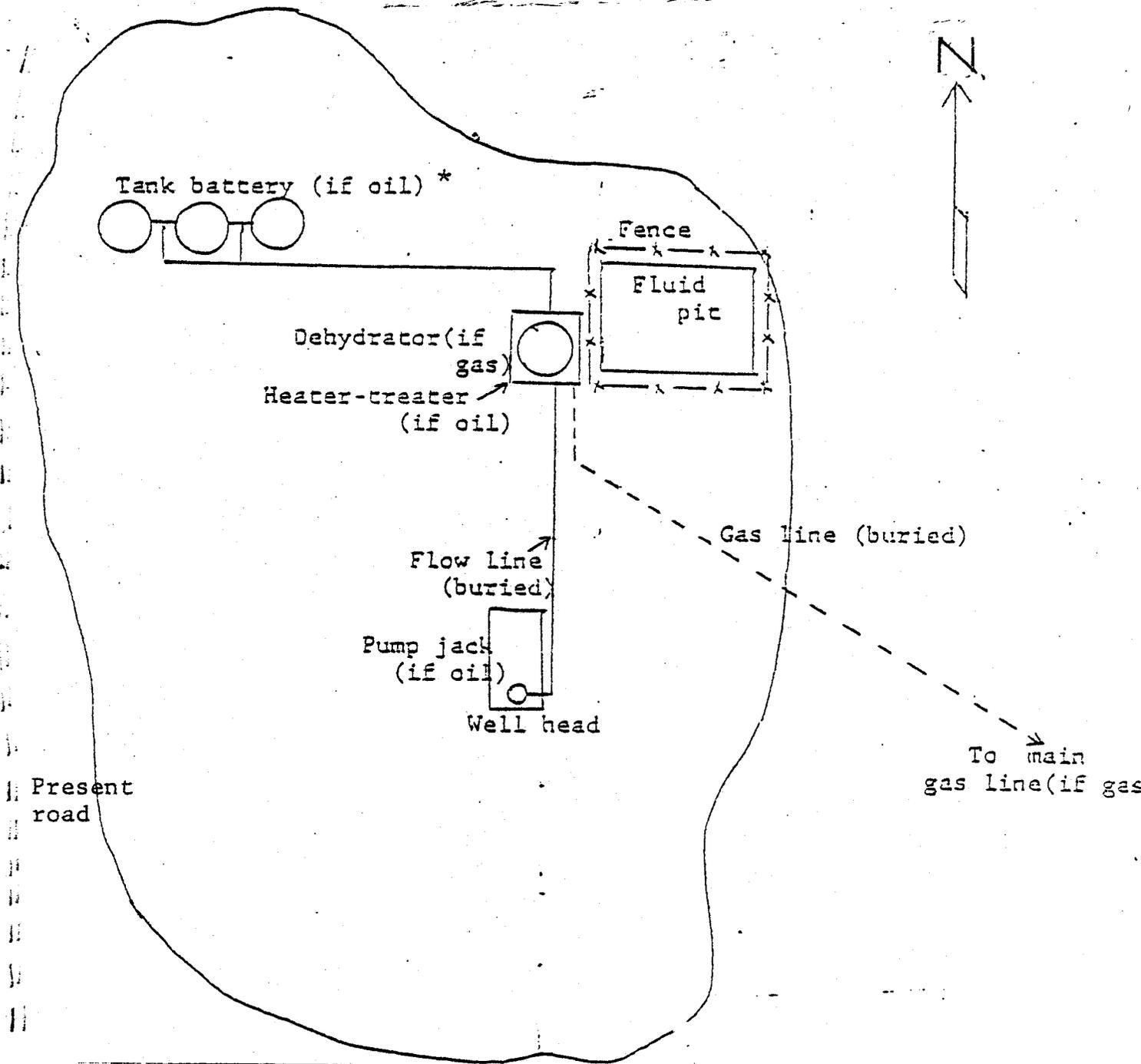
13. Certification:

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

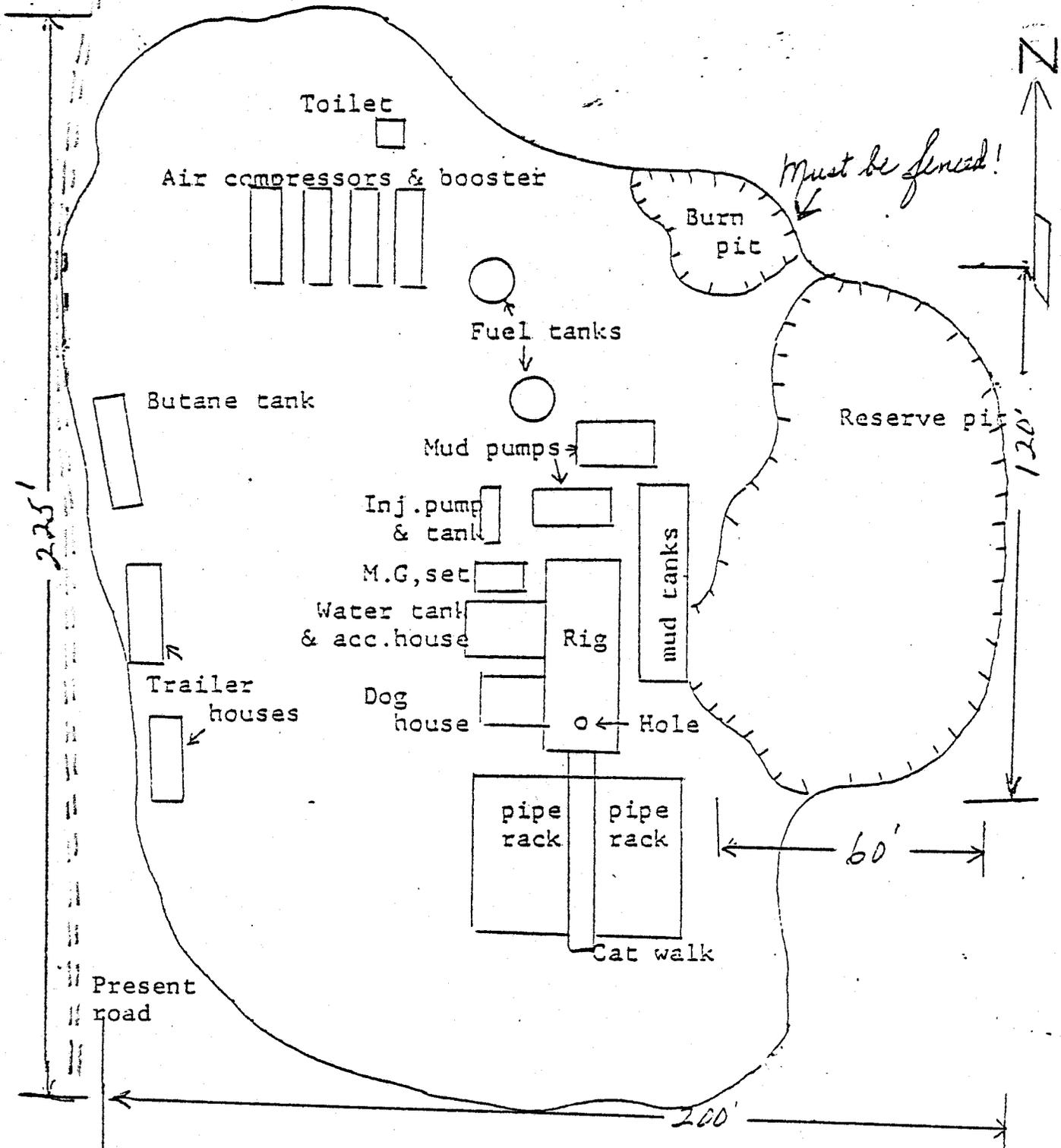
Date: Sept. 1, 1977

W. Don Quigley
W. Don Quigley

PLAN FOR PRODUCTION EQUIPMENT
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ CC#6 WELL
NW. NE. SEC 10-20S-21E
GRAND COUNTY, UTAH



LOCATION PLAN FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ CC #6 WELL
NW. NE. SEC. 10-20S-21E
GRAND COUNTY, UTAH



Scale: 1 in. = approx 35 ft.

WELL CONTROL EQUIPMENT FOR
WILLARD PEASE OIL & GAS J.
ANSCHUTZ FED. CC #6
GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well: See attached schematic diagram:

1. Surface Casing:
 - A. Hole size for surface casing is 11".
 - B. Setting depth for surface casing is approx. 250 ft.
 - C. Casing specs. are: 7 5/8" D.D., J-55, 26.40#, 8 rd. thread, new or used.
 - D. Anticipated pressure at setting depth is approx. 60 lbs.
 - E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 110 sks of cement with returns to the surface.
 - F. Top of the casing will be at ground level.
2. Casing Head:

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

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

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

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

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

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

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

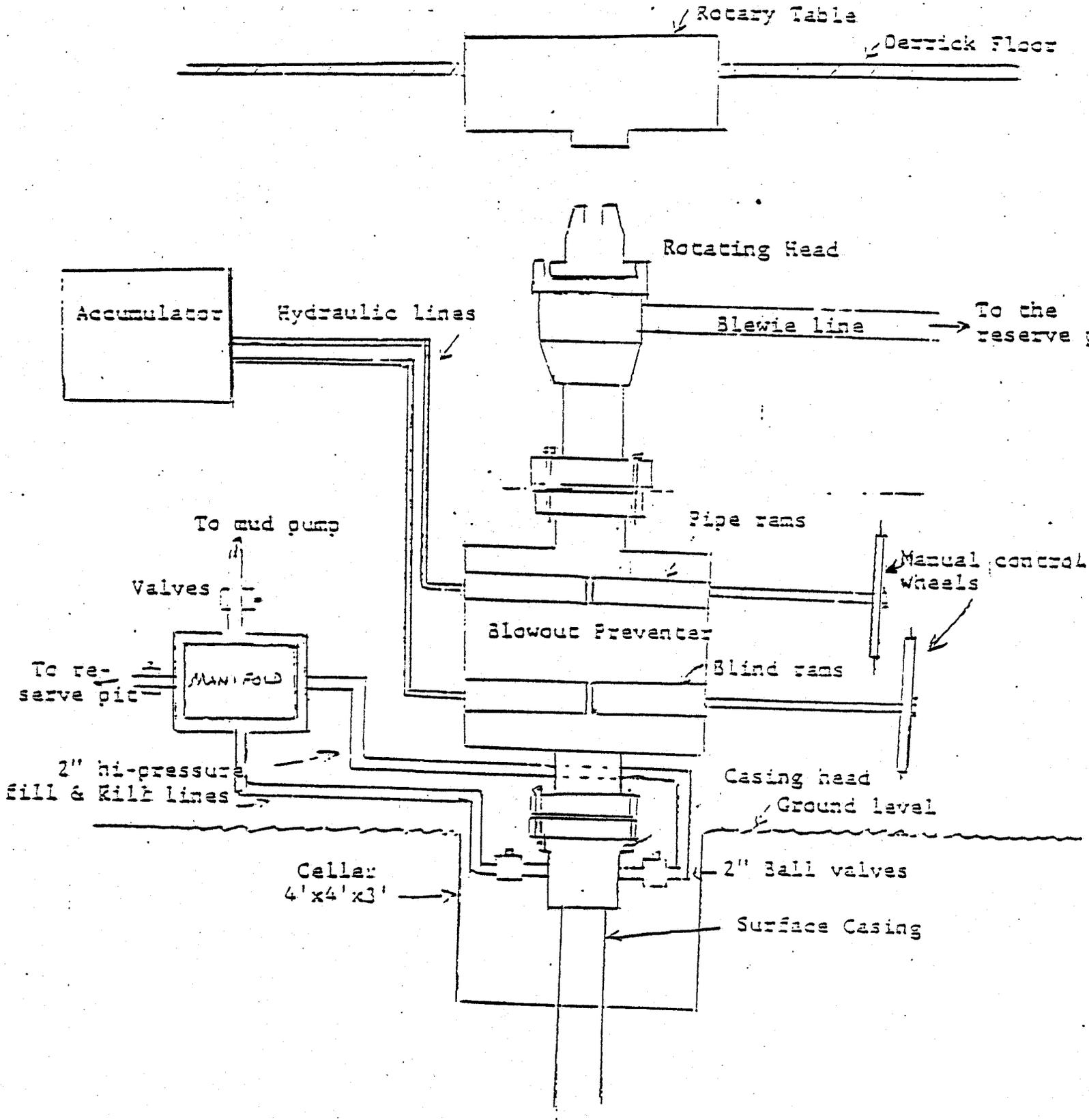
necessary to convert to mud.

8. Production Casing:

- A. Hole size for production casing will be 6 3/4".
- B. Approx. setting depth will be about 3800'
- C. Casing Specs. are: 4 1/2" O.D.; J-55; 10.50#; 8-rd thread; new or used.
- D. Casing will be run with about six centralizers and a Lynes packer and DV tool set above the production zone. There will be sufficient casing to extend thru the production zone below the Lynes packer and a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the packer. Two inch tubing will be run and secured in the tubing head prior to perforating. Pump and rods can be run after the well is swabbed-in.

An alternate completion plan would be to set the 4 1/2" casing thru the pay section and cement with sufficient cement to bring the cement top about 200' above the top of the Dakota formation. The well would then be perforated in the productive zones, broken down, and fracture-treated, if required.

SCHEMATIC DIAGRAM
OF
CONTROL EQUIPMENT
FOR
WILLARD PEASE OIL & GAS CO.
ANSCHUTZ CC #6 - WELL
GRAND COUNTY, UTAH



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Sept. 6 -
Operator: Willard Lease Oil & Gas
Well No: Calf Canyon #6
Location: Sec. 10 T. 20S R. 21E County: Grand

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

CHECKED BY:

Administrative Assistant [Signature]
Remarks: #645-1 - CHEMICAL UP: UConn III-I, MUSE STGW
OK - 2698' from STGW
Petroleum Engineer [Signature]
Remarks: OK Pg
Director [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required Survey Plat Required
Order No. 102-12 Surface Casing Change
to _____

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

O.K. Rule C-3 O.K. In _____ Unit

Other:

[Signature] Letter Written/Approved

September 6, 1977

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

Re: Well No's:
Calf Canyon No. 4 and No. 5,
Sec. 11, T. 20 S, R. 21 E,
Calf Canyon No. 6,
Sec. 10, T. 20 S, R. 21 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 102-12.

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.

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

The API number assigned to this well(s) is;

No. 4: 43-019-30392
No. 6: 43-019-39391

No. 5: 43-019-30393

Very truly yours,

DIVISION OF OIL, GAS AND MINING

CLEON B. FEIGHT
Director

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

January 12, 1978

RETURN TO
FOR FILING

Kathy Wells

Memo To File:

Re: Willard Pease Oil & Gas
Well No. C. C. Federal #6
Sec. 20, T. 20S, R. 21E,
Grand County, Utah

The above well location was spudded in on January 9, 1978. Willard Pease is the Drilling Contractor and Rig #2 is on location.



PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/ko

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
WILLARD PEASE OIL & GAS COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **NW NE Sec 10 T20S R21E SLM**
At top prod. interval reported below **1855' FEL & 702' FNL**
At total depth
Same



5. LEASE DESIGNATION AND SERIAL NO.
U-5675

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Anschutz - Federal

9. WELL NO.
CC #6

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NW NE Sec 10 T20S R21E SLM

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO. **43-019-30391** DATE ISSUED **11-6-77**

15. DATE SPUNDED **1-7-78** 16. DATE T.D. REACHED **1-11-78** 17. DATE COMPL. (Ready to prod.) **1-13-78** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5645 Gr** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **3491** 21. PLUG, BACK T.D., MD & TVD **3375** 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **3491** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Zones to be tested 3322-34; 3260-75; 3184-3200 Morrison 2772-2828 Dakota

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
IEL - CNL - FDL

27. WAS WELL CORED
No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4 1/2	10.5	3375	6 3/4	175 SX REC	
8 5/8	32	182	11	120 SX "G"	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
None as yet

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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
Well to be completed when weather conditions and equipment permit.

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

SIGNED *Mrs. R. Phoebe* TITLE Asst. Secretary DATE May 4, 1978

*(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.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Dakota	2706	
Entrada	3412	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

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
**Oil & Gas
Willard Pease ~~XXXXXXXX~~ Company**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **NW.NE.Sec.10,T20S,R21E,S.L.M.**
At top prod. interval reported below **1855' from E-line & 702' from N-line**
At total depth _____

5. LEASE DESIGNATION AND SERIAL NO.
U-5675

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Federal-Anschutz

9. WELL NO.
Calf Canyon #6

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
**NW.NE.Sec.10-20S-21E.
S.L.M.**

14. PERMIT NO. _____ DATE ISSUED _____

12. COUNTY OR PARISH **Grand** 13. STATE **Utah**

15. DATE SPUNDED **Jan. 7 '78** 16. DATE T.D. REACHED **Jan. 10 '78** 17. DATE COMPL. (Ready to prod.) **Jul. 5 '78** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5645' grd.; 5656' K.B.** 19. ELEV. CASINGHEAD **~~5652~~ 5647'**

20. TOTAL DEPTH, MD & TVD **3508'** 21. PLUG, BACK T.D., MD & TVD **3375'** 22. IF MULTIPLE COMPL., HOW ZONES* **4 zones** 23. INTERVALS DRILLED BY **0-3508'** 25. WAS DIRECTIONAL SURVEY MADE **no**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
**Dakota (2772'-2800'), (2875'-2892')
Morrison-Salt Wash (3182'-3200'), (3260'-3276')**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction-Electrical; Gamma-Density-CNL

27. WAS WELL CORED **no**

29. TYPE ELECTRIC AND OTHER LOGS RUN **Induction-Electrical; Gamma-Density-CNL**

23. 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"	24.00#	170'	12 1/2"	80 sks	none
4 1/2"	10.50#	3375'	7-7/8"	150 sks	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
none	yet	

31. PERFORATION RECORD (Interval, size and number)

3261-3276'	2783'-95'
3184'-3197'	
2772'-76'	
2788'-90'	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2772'-3276'	50 bbl diesel

33.* PRODUCTION

DATE FIRST PRODUCTION **JUL 5 '78** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Swabbing** WELL STATUS (Producing or shut-in) **Shut-in**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
Jul. 5 '78	4 hrs	none	→	2 bbls	none	none	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
none	none	→	10-12	none	none	38

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

35. LIST OF ATTACHMENTS
Drilling History, Completion History, & Geologic Report

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

SIGNED *H. Don Gungley* TITLE **Cons. Geol.** DATE **Aug. 28, 1978**

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

INSTRUCTIONS

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
<p>37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES</p> <p style="font-size: 2em; font-weight: bold; margin: 20px 0;">SEE ATTACHED REPORT</p>							
38. GEOLOGIC MARKERS							

DRILLING HISTORY,
COMPLETION HISTORY,
AND
GEOLOGIC REPORT
ON
CALF CANYON #6 WELL
GRAND COUNTY, UTAH

By

W. Don Quigley
Consulting Geologist
Salt Lake City, Utah

August 28, 1978

DRILLING HISTORY,
COMPLETION HISTORY,
AND
GEOLOGIC REPORT
ON
CALF CANYON #6 WELL
GRAND COUNTY, UTAH

Operator: Willard Pease Oil & Gas Co.
570 Kennecott Bldg., Salt Lake City, Utah 84133

Contractor: Willard Pease Drlg. Co.
P.O. Box 548, Grand Junction, Colorado 81501

Location: NW. NE. Sec. 10, T 20S, R 21E, S.L.M., Grand County,
Utah (1855' from E-line and 702' from N-line)

Elevations: 5645' grd.; 5656' K.B.

Spudded-in: Jan. 7, 1978

Surface Casing: 4 joints of 8-5/8", 24.00#, K-55, R-3 casing
set at 170' and cemented w/80 sks cement. Returns
to surface.

Total Depth: 3508'

Finished Drlg.: Jan. 10, 1978

Electric Logs: Induction-Electrical; Gamma-Density-CNL

Production Casing: 85 joints of 4½", 10.50#, K-55, R-3 casing;
set at 3375' K.B. and cement w/150 sks of RFC cement.

Production Formation and Zone: Dakota (2772'-2800'); Morrison
(3182'-3200'), (3260'-3276').

Completion Date: July 5, 1978

Initial Production Rate: Undetermined (Must Frac-Treat Well) -
Minimum rate is 10-12 bbl oil daily.

Drilling History

Jan. 5-6: Moving rig and rigging-up.

- Jan. 7: Finished rigging up. Drilled mouse hole and rat hole. Drilled 12 $\frac{1}{4}$ " surface hole with mud to 172'. Bit #1 (HTC-RR) drilled 172' (0'-172') in 4 $\frac{1}{2}$ hours. Drilled at avg. rate of 40 ft/hr. Ran 4 jts of 8-5/8", 24.00#, K-55, R-3 casing and landed at 170'. Cemented casing with 80 sks of reg. cement w/3% CaCl. Plug down at 8:30 P.M. Waiting on cement to set.
- Jan. 8: Drilled 172' to 1310' (1138'). Nipped-up to drill ahead with air. Blew hole dry and drilled out cement plug. Began drilling ahead with 7-7/8" bit and using air for circulation at 11 A.M. Dusting good and drilling in Mancos shale at rate of 90 to 110' per hr.
- Jan. 9: Drilled 1310' to 3166' (1856'). Light plant broke down and worked on repairs for 4 hours. Estimate top of Dakota at 2750' due to reverse drlg. break. Had small gas flare (30 ft.) for 2 minutes at 2770'. Samples showed m.g., clear, rounded sandstone with blk. oil saturation and good fluorescence and cut. Had slight increase in gas at 2830'. Estimate top of Cedar Mt. at 2900' due to light red and green shale and siltstone; and Morrison at 2970'. No water or dampness in samples. Encountered a thin sand (10 ft. thick) at 3130' (3110' by E-logs) which had scattered fluorescence but appeared tight. No apparent increase in gas. Had 30-ft. gas flare on every connection for 20 secs.
- Jan. 10: Drilled 3166' to 3508' (342'). Estimate top of Salt Wash section at about 3175' due to first good sand. Encountered a good m.g., clear, rounded sandstone at 3180' to 3200' which had good fluorescence and cut and gave an increase in gas. A second sand at 3260' to 3280' also was medium grained, rounded, and had scattered fluorescence and cut. Probably has gas. No water in samples. Estimate top of Entrada at 3500' due to loss of dust and inflow of water. Quit drilling at 3508' and mudded-up. Circulated hole for 3 $\frac{1}{2}$ hours. Began logging well at 2 P.M. and finished at 9 P.M. Waited on orders. Bit #2 (Smith F-2-RR) made 3336' (172' to 3508') in 38 hours. Drilled at an avg. rate of 88 ft/hr.
- Jan. 11: Waited on orders until 11:30 A.M. Decided to run casing and arranged for casing (4 $\frac{1}{2}$ "") to be sent to the well plus associated equipment. Ran 85 joints of 4 $\frac{1}{2}$ ", 10.50#, K-55, R-3 casing. Landed at 3375' K.B. (Float valve is at 3336'.) Cemented casing with 150 sks of R.F.C. cement. Plug down at 1:00 A.M. Jan. 12, 1978.

Jan. 12: Finished cementing casing at 1:00 A.M. Began rigging down. Released rig at 8:00 A.M.

Completion History

Jun. 28: MI & RU Gibson Well Service WIH w/2 3/8" Tbg to 2750' and swabbed fluid level down to 2700'. SDON.

Jun. 29: Ran GR-CLL. Perf. 3261-76' GR-CLL. No pressure increase or fluid rise noted. Perf. 3184-97' GR-CLL. 200# TP after perf. Bled to 0# in 2 min. Gas TSTM. Swabbed well. Rec. est. 3 bbl of load water in 4 hrs. SDON.

Jun. 30: 400# SITP this AM. Swabbed small amount of water. Perf. 2772-76'; 88-90'; 93-95'. Press inc to 250# after Perf. Broke down all perfs w/50 bbls diesel and surfactant and balls.

Max Press	2300#	Avg. Rate:	6 BPM
Avg. Press	1700#	Good ball action.	
Final Press	1700#		
Initial SIP	1100#		
15 min SIP	700#		

Swabbed well down. SDON.

July 1: 525# SITP this A.M. Bled well to pit. Unloaded diesel and some water. Swabbed well and rec. estimated 1 bbl/hr, diesel and oil, 50% water. SD for holiday.

July 5: 610# SITP. Flowed well to pit and well died in 15 min. Swabbed ½ bbl fluid/hr for 4 hrs. Gas TSTM. POOH w/Tbg. Rel. Rig.

July 6: 610# SITP.

It is obvious that this well will have to be fracture treated before a production test and estimate of its initial production rate can be made. It is suspected that this well will have gas in the Morrison sands and oil in the Dakota. Since the gas sands are below the oil reservoir, the gas sands will have to be plugged off and the oil produced first. The gas sands will have to be completed and produced at some later date.

Geologic Report

The Calf Canyon #6 well was located and drilled primarily to extend the oil production found in the Calf Canyon #1 well located in the SW. SE. of Section 3 (one quarter mile north of the CC #6 well). These wells are located on a northwesterly trending structural nose on the northwest flank of the Cisco Dome Anticline. A number of northeasterly trending faults cross the anticline and the two wells, CC #1 and CC #6, are in the same fault block. Likewise, the CC #4 well located about $\frac{1}{2}$ mile east of the CC #6 well is in the same fault block and is producing oil from sand reservoirs in the Dakota formation. The Anschutz #1-675 well is located about $\frac{1}{4}$ mile west of the CC #6 well and is producing oil from sands in the Dakota formation at the rate of 350 bbls of oil daily after a big fracture treatment. This well is also in the same fault block as the CC wells.

The subject well was drilled during the winter under very adverse weather conditions and there were some delays due to the weather. However, the well was drilled to a total depth of 3508' within a period of three days in spite of the conditions. The well was drilled with air and dusted all the way to the top of the Entrada. Thus no water was obtained in any of the sands in the Dakota, Cedar Mountain, or Morrison formations.

After the production casing was set, the drilling rig was released and no attempt was made to complete the well at that time, since it was obvious that the well would require some fairly extensive completion work and could best be done by a completion rig. The weather conditions precluded any attempt at completion work at that time. Completion work was, therefore, delayed until July, 1978 when weather conditions were good and a completion rig was available. The completion work on the well was accomplished in about five days; but the work accomplished was not sufficient to get the well into production. It was obvious that an extensive stimulation treatment would be required and concurrence of all interested parties would have to be obtained.

The two major sands at 3182' to 3200' and at 3260' to 3276' in the Morrison were perforated and some gas was recovered, but the amount was too small to measure. The tubing pressure, however, built up to 400# during the night. The Dakota sand at 2770' to 2798' was then perforated and the pressure increased from 0 to 250# after perforating the upper sand. The three zones were then broken down with diesel, surfactant, and ball sealers. Over night the pressure on the tubing built up to 525#. Swabbing the well recovered about 1 bbl of fluid per hour. The fluid was a

mixture of oil, diesel, and about 50% water. Pressure on the tubing after 4 days of shut-in over the Fourth of July was 610#. Swabbing recovered about $\frac{1}{2}$ bbl of fluid per hour for four hours, along with some gas (TSTM). The fluid was mostly diesel and oil. The well was shut-in pending arrangements for a sizeable stimulation treatment.

Further work on the well will probably consist of setting a drillable bridge plug (or sand and cement plug) above the Morrison sands and below the Dakota sands (at about 2950'), perforate the lower Dakota sand at 2875' to 2892' (this is the producing oil sand in the CC #1 well, but it has only about 11% to 14% porosity in the CC #6 well), and then fracture treat the Dakota oil zones with several hundred barrels of fluid and several tons of sand. Plans are being made to accomplish this work in the near future.

Stratigraphy and Hydrocarbon Zones

The general stratigraphic section found in the Calf Canyon #6 well was comparable to that found in the CC #1 with minor differences in the development of the sands in the Dakota formation. Since the CC #1 well did not penetrate the Morrison-Salt Wash section, a comparison with this part of the well cannot be made.

The sands in the Dakota were developed differently in the two wells. The top of the Dakota in the subject well was encountered at about 2750' and the first sand was found at 2772' to 2798' and had three thin shale breaks. This sand was about 26 ft. thick and the top of the sand was 22 ft. below the top of the formation. In the CC #1 well, this sand was 35 ft. below the top of the formation and was 30 ft. thick with a 10-ft. thick shale break in the middle. Thus the upper sand was better developed in the CC #6 well than in the CC #1 well; and this sand had much better hydrocarbon shows in the CC #6 well than in the CC #1. A good gas flare was obtained for a short period and the cuttings had good oil shows and fluorescence.

The lower sand in the Dakota was encountered in the CC #6 well at 2875' to 2892' and had a 4-ft. shale break in the middle. This sand had good shows (oil stain and fluorescence) and was about 75 feet below the upper sand. In the CC #1 well this sand was 40 feet thick and was nearly continuous and without shale breaks. Porosity was also much better, 16% to 18% as compared to 11% to 14% in the CC #6 well. The CC #1 well also flowed oil from this sand while it was being drilled. The top of the sand was about 35 feet below the upper sand in the CC #1. Thus it is apparent that rapid changes in the development and appearance of the sands

take place within short distances in the subject area.

*The lower sand in the Dakota formation in the CC #6 well has not been perforated to date, and this will have to be done before fracture treatment of the well is accomplished.

The overall thickness of the Dakota was about 150 feet in both wells.

The top of the Cedar Mountain formation was found at 2900' in the CC #6 well and consisted of light-green and light-red shales and siltstones. There were no sands in the formation and it was only about 65 feet thick. This compares with a thickness of 35 feet in the CC #1 well. There was also about 15 ft. of Buckhorn sand in the CC #1 well.

The Morrison formation in the subject well was topped at 2965' and the upper section (Brushy Basin section) contained only one thin sand at 3109' to 3117' (8 ft. thick). This sand had some scattered fluorescence and may contain some gas. Based on E-log data, the porosity is about 12%, and the water saturation is about 65%. The Density-CNL curves have a X-over for 4 ft.; so there could be some gas in this sand. The Brushy Basin section was about 210 feet thick in this well.

The top of the Salt Wash was encountered at 3175', which was the top of a good, porous, medium-grained, clear, rounded sandstone with good fluorescence and cut. A slight increase in gas was also noted. This sand continued to 3200 ft. (25 feet thick) and E-logs show a 2-ft. thick shale break near the top. The log data indicate a porosity of 16 to 17%, a water saturation of 45%, and a X-over for 10 feet or more. This is quite definitely a good gas sand and should make a good producer with some stimulation. This sand, when perforated, gave up gas immediately but the quantity was too small to measure and 'bled-off' rapidly. There is obviously some formation damage due to mud and cement, which will have to be overcome by fracture treatment. A simple break-down with diesel was not sufficient to overcome this damage.

A second sand was found in the Salt Wash section at 3260' to 3276'. This sand had scattered fluorescence and had good porosity. No marked increase in gas was noted when it was drilled, but there was no water either. The E-log data indicate a porosity of 12% to 16%, a water saturation of 46%, and a X-over for about 10 ft. Thus this sand could also produce gas with some fracture treatment. When the sand was perforated, no gas flow was noted. It is also possible that considerable formation damage has occurred in this sand.

A third sand in the Salt Wash at 3320' to 3335' was tight and quartzitic and contained no shows of hydrocarbons. E-log data suggest a porosity of 8% to 13% with a water saturation of 91%. Therefore, this sand does not appear to be capable of production.

The Curtis-Summerville formation was found at 3410 feet and the top of the Entrada at 3500'. Neither formation had any hydrocarbon shows. Water was encountered at 3491 feet and the samples became wet and the dust quit.

The formations with their tops, thicknesses, and datum points which were encountered in the CC #6 well, as determined from the E-logs, are as follows:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos	Surface	2750'	5656' K.B.
Dakota*	2750'	150'	2906'
Cedar Mountain	2900'	65'	2756'
Morrison (Brushy Basin)*	2965'	210'	2691'
(Salt Wash)*	3175'	235'	2481'
Curtis-Summerville	3410'	90'	2246'
Entrada	2500'	—	2156'
Total Depth	3508'		

*Formations with hydrocarbon shows.

A detailed sample descriptive log of the cuttings from the well at a depth of 2000 feet to total depth is attached hereto.

Conclusion

The Calf Canyon #6 well is an offset well to the discovery well in the Calf Canyon field, the CC #1 well, which was completed in Feb. 1977. The subject well is on the same anticlinal nose on the northwest flank of the Cisco Dome Anticline and in the same fault block as the discovery well. Whereas there are differences in character, the oil production should come from the same sand lens in the two wells.

The Calf Canyon #6 well is completed in an upper sand in the Dakota formation and two sands in the Salt Wash section of the Morrison formation at the present time. However, all the sands have formation damage and need to be stimulated further for good production. Consequently, it is planned to produce the oil from the Dakota formation first, and the gas from the Morrison at some later date.

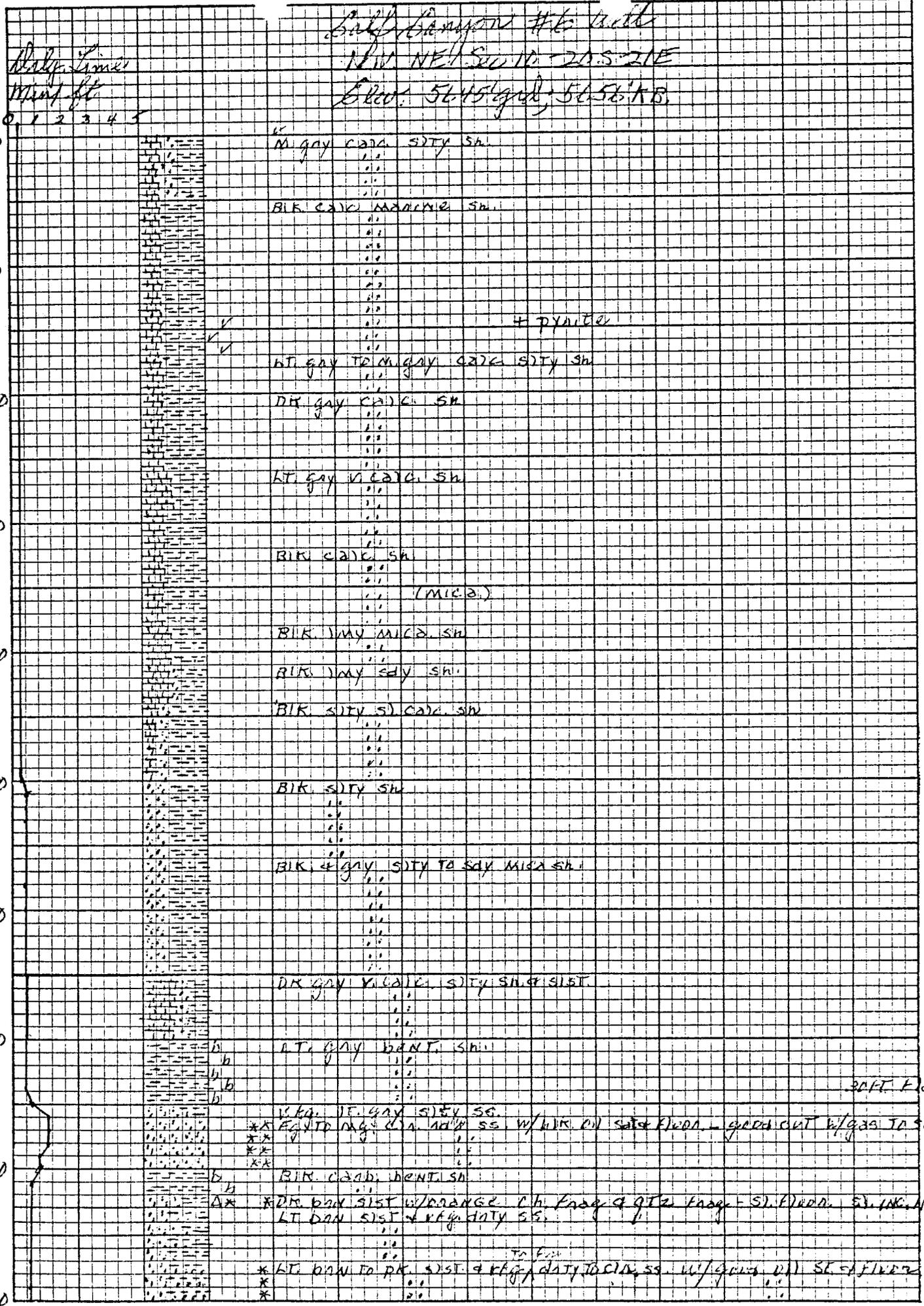
Since the pay sands in the Dakota are temporarily and partially blocked, they will need to be fracture treated with a sizable treatment to fully utilize the potential production from the sands. The lower sand in the Dakota (at 2875'-2892') will have to be perforated and broken down first, prior to treatment.

Whereas, the present results of the completion work on the CC #6 well are not very satisfactory, there is good reason to expect that a good stimulation treatment will make it a successful and profitable well. It is offset to the north by the good CC #1 well which has consistently produced 70 to 80 bbls of oil daily for 1½ years; and by the Anschutz #1-675 well to the west, which after a very large fracture treatment is flowing over 350 bbls. of oil daily.

W. Don Quigley
W. Don Quigley
Consulting Geologist
AAPG Cert. #1296
APGS Cert. #3038

Willard Peace Hill & Shs 60

60' Benjamin Hill well
 NW NE 1/4 Sec 10 - 20S 21E
 Elev. 5645' gud; 5656' N.B.



Depth - Time
 min ft

0 1 2 3 4 5

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

M. gay calc. sity sh.

BK. calc. micaceous sh.

LT. gay to m. gay calc. sity sh.

DR. gay calc. sh.

LT. gay v. calc. sh.

BK. calc. sh.

(mic.)

BK. 1/4 m. mica. sh.

BK. 1/4 m. sdy. sh.

BK. sity s. calc. sh.

BK. sity sh.

BK. & gay sity to sdy. mica. sh.

DR. gay v. calc. sity sh. & silt

LT. gay bent. sh.

BK. 1/4 m. gay sity sg.

*** EQ. TD. mag. cl. n. ss w/ h. oil salt flow. - good cut w/ gas in sun. 1

BK. calc. bent. sh.

*** BK. bent. silt w/ orange ch. frag & qtz frag - sl. flow. sh. in gas

LT. bent. silt & frag. daty ss.

*** LT. bent. to dk. silt & frag. daty ss. w/ frags. of sl. flow. sh.

soft. flow. sh.

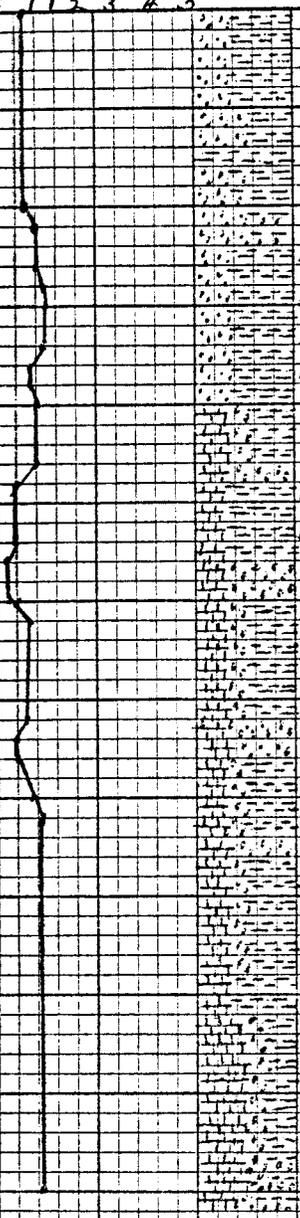
KEUFFEL & ESSER CO.
 MADE IN U.S.A.
 5 X 5 TO 1/2 INCH
 7 X 10 INCHES

Daily time (MIN/FT.)

CC#6 Well Cor'd

2900' - 3500'

2900'
K.M.
Im
3000'
3100'
3200'
3300'
3400'
3500'
3600'
3700'
3800'



F. dk, gny, dk gny, sh, silt

LT. BAN TO dk & p. silt & gny, quartz ss

B.R. sh

Rd silt

LT. PK. wfg. bent ss & silt

LT. dk. bent silt

b

b

b

b

LT. gny bent silt & silt ss

b

LT. gny silt calc. sh & silt

*LT. gny, to wh. mag. calc. ss, w/ scat. f. sh.

LT. gny & dk. silt calc. bent sh

b

b

*X wh. to dk. mag. calc. ss w/ fluid & cut - silt increase in gas

LT. dk. to dk. calc. silt

b

*LT. gny to dk. calc. f. mag. ss w/ scat. fluid & cut + gas?

LT. dk. gny, calc. bent silt

b

b

Wh. to dk. qtz. top. calc. ss.

Rd. calc. silt, sh.

b

LT. gny calc. bent sh

b

PK. calc. (V.) silt & B.R. sh

Rd. V. calc. silt & sh.

LT. gny calc. silt & wfg. dk. ss

T.D. 3508'

KE 5 X 5 TO 1/2 INCH 46 0863
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.

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-5675

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Anschutz - Federal

9. WELL NO.
(CAMP CANYON)
CC #6

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

NW NE Sec 10 T20S R21E S1M

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

NW NE Sec T20S R21E S1M
1855 FEL & 702' FNL

14. PERMIT NO.

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

5645 GR

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) SURFACE RESTORATION <input checked="" type="checkbox"/>	

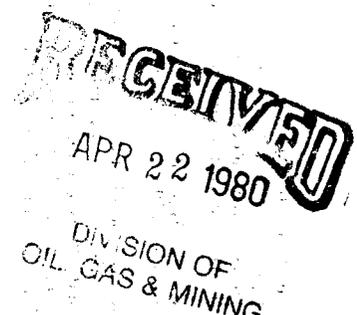
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

09/24/79: Dug pit

11-19-79: Bladed and leveled area for pump unit.

12/28/79: Rehabilitation work on site.



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

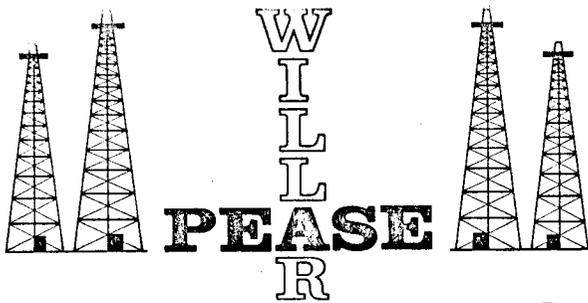
SIGNED Gus R. Pease TITLE Ass't Sec

DATE 4/18/80

(This space for Federal or State office use)

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

cc: State of Utah



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

September 26, 1980

E. W. Gynn
District Engineer
United States Geological Survey
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104



Dear Mr. Gynn:

In concurrence with your letters dated May 29, 1980, June 27, 1980 and July 28, 1980, regarding necessary facility maintenance on several well sites, enclosed is Form 9-331, each in triplicate, on the following locations:

<u>Lease No.</u>	<u>Well</u>
U-1506	No. 1-506
U-0146802	No. 6
U-0146802	No. 5
U-0146802	No. 4 (Cardmoore)
U-0148171	No. 12
U-0147904	No. 4
U-11620	No. CC #1
U-5675	No. CC#6
U-5675	No. CC#4

Our pumper was unable to located U-5675, No. CC#5 and we have sent him specific instructions on the location and as soon as the work has been completed we will inform you accordingly, also on U-0128115 & U-14654.

With regard to Well No. 2 U-03901, Sec 5, T17S, R24E, SLB&M, Grand County, Utah, we are unable to find a file in our office on this lease. If there is further information available to help us identify same we will look further.

Sincerely yours,

Lu Rhodes (Mrs.)
Assistant Secretary

Encls.

cc: BLM, Moab, Utah w/encls.
State of Utah w/encls. ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-5675

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Anschutz - Federal

9. WELL NO.

CC #6 (Calf Canyon)

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

NW NE Sec 10 T20S R21E S1M

1.

OIL WELL GAS WELL OTHER Facility maintenance

2. NAME OF OPERATOR

Willard Pease Oil & Gas Co.

3. ADDRESS OF OPERATOR

570 Kennecott Bldg., SIC, UT 84133

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

NW NE Sec T20S R21E S1M
1855' FEL & 702' FNL

14. PERMIT NO.

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

5645 GR

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:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Facility maintenance

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.)*

8/15/80: Well designation sign installed.

9/4/80: Installed all metal box over load line (locking Box)

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

SIGNED Mrs. Ruth Thomas

TITLE Ass't Sec

DATE 9/26/80

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

cc: BLM, Moab, Utah
State of Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1424

LEASE DESIGNATION AND SERIAL NO

U-5675

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.)

RECEIVED
12-8-83

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Willard Pease Oil & Gas

8. FARM OR LEASE NAME

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

9. WELL NO.

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

10. FIELD AND POOL, OR WILDCAT

RECEIVED

Calf Canyon

NWNE Sec. 10 T20S, R21E, SLBM

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

Sec. 10, T20S, R21E

14. PERMIT NO. 43-09-30391

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5645 grnd DIVISION OF OIL

12. COUNTY OR PARISH 13. STATE
Grand Utah

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

GAS & MINING

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF PULL OR ALTER CASING
FRACTURE TREAT MULTIPLE COMPLETE
SHOOT OR ACIDIZE ABANDON*
REPAIR WELL CHANGE PLANS
(Other)

WATER SHUT-OFF REPAIRING WELL
FRACTURE TREATMENT ALTERING CASING
SHOOTING OR ACIDIZING ABANDONMENT*
(Other)

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

17. 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.)

TD 3508'; Tops: Dakota 2750'; Morrison 2900', Salt Wash 3175'; Entrada 3500'. 8 5/8" at 171"; 4 1/2" to TD, PBSD 3175'.
Perfs 2772-95, 2825-90; Top cement unknown.

Proposed Abandonment Procedure

1. Fill hole with 9 lb mud
2. Set Plug #1 from 2800' up to 2600' with 20 sx
3. Free-point and cut off 4 1/2 and pull
4. Set Plug #2 from 100' below cutoff to 100' above cutoff with 60 sx
5. Set plug #3 from 221 up to 121' with 30 sx
6. Set surface plug with 10 sx and erect regulation marker
7. Rehabilitate location

There should be 100' of cement above and below the cutoff point

RECEIVED
1983 NOV 28 11 13 03
DEPT. OF THE INTERIOR
BUREAU OF LAND REVENUE

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

SIGNED *J.W. Burdette*

TITLE *Consulting Engineer*

DATE 11/16/83

APPROVED BY *[Signature]*

TITLE *District Manager*

DATE 12/2/83

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

NOV 1983

*See Instructions on Reverse Side

REC'D. MDONOV 30 1983

ALS
DIRECTOR



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

June 8, 1984

Willard Pease Oil & Gas Company
2135 East Main
Grand Junction, Colorado 81502

Gentlemen

SUBJECT: SUBSEQUENT PLUGGING AND ABANDONMENT

Thank you for informing our office that the wells on the attached list have been plugged and abandoned and for sending copies of the intent to abandon sundries. This office, however, has not received "Sundry Notices" of subsequent abandonment on these locations.

Rule D-2 of The Oil and Gas Conservation General Rules and Regulations and Rules and Practice and Procedure 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 Division. 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 an attempt was made to part any casing, a complete report of the method used and results obtained must be included.

Enclosed is Form OGC-1b "Sundry Notices and Reports on Wells", for you to complete and return to this office in order to bring these wells into compliance with the above stated rule.

Your prompt attention to the above will be greatly appreciated.

Sincerely

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones
Well Records Specialist

clj
Enclosure

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

Willard Pease Oil & Gas Company
June 8, 1984
Page 2

Well No. Federal #1
API #43-019-15699
Sec. 3, T. 18S., R. 23E.
Grand County, Utah

Well No. Anschutz Bar Creek #2
API #43-019-30344
Sec. 24, T. 17S., R. 25E.
Grand County, Utah

Well No. Calf Canyon Federal #6
API #43-019-30391
Sec. 10, T. 20S., R. 21E.
Grand County, Utah

This is subsequent report of P&A. Not a completion.

RECEIVED

Form 9-330 (Rev. 5-63)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* AUG 6 1984 (See instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT

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 P&A

2. NAME OF OPERATOR: Willard Pease Oil & Gas

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 1855' FEL & 702' FNL, NW NE Sec. 10, T20S, R21E
 At top prod. interval reported below Approximately Same
 At total depth " "

14. PERMIT NO. 43-019-303911 DATE ISSUED

15. DATE SPUDDED 1-7-78 16. DATE T.D. REACHED 1-10-78 17. DATE COMPL. (Ready to prod.) 7-5-78 18. ELEVATIONS (DF, R&B, RT, OR, ETC.)* GR 5645 19. ELEV. CASINGHEAD 5647
 20. TOTAL DEPTH, MD & TVD 3508 21. PLUG, BACK T.D., MD & TVD 3375 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)*
 Dakota 2272' - 2800', 2875' - 2892'
 Morrison-Salt Wash 3182' - 3200', 3260' - 3276'
 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN D.I.L., G.R. and C.N.L. 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#	170	12 1/4	80 SX	None
4 1/2"	10.5#	3375	7 7/8	150 SX	1930'

29. LINER RECORD

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

31. PERFORATION RECORD (Interval, size and number)
 3261'-3276'
 3184'-3197'
 2772'-2776'
 2788'-2790'
 2783'-2795'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2772'-3276'	50 bbls diesel

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) P&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 R. E. [Signature] TITLE Compleiton Supervisor DATE 7-31-84

*(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: "Socks 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	TOP MEAS. DEPTH TRUE VERT. DEPTH
Cement Plug	2450'	2700'	20 sx Class G		
"	1780'	1980'	30 sx Class G, Casing cut off at 1930'		
"	120'	220'	30 sx Class G		
Surface Plug			10 sx Class G		

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

SUBMIT **RIPLICATE***
(Other instructions on reverse side)

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.)		5. LEASE DESIGNATION AND SERIAL NO. U-5675	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Willard Pease Oil & Gas Company		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P.O. Box 1874, Grand Junction, CO 81502		9. WELL NO. CC #6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NWNE Sec 10, T20S, R21 E, SLBM		10. FIELD AND POOL, OR WILDCAT Calf Canyon	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5645 grnd	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 10, T20S, R21E	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 checked="" 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.)*

TD 3508'; Tops: Dakota 2750'; Morrison 2900', Salt Wash 3175'; Entrada 3500'.
8 5/8" at 171'; 4 1/2" to TD, PBTD 3175'.
Perfs 2772-95, 2825-90; Top cement unknown.

Proposed Abandonment Prodedure:

1. Fill hole with 9 lb mud
2. Set Plug #1 from 2800' up to 2600' with 20 sx
3. Free-point and cut off 4 1/2 and pull
4. Set plug #2 from 100' below cutoff to 100' above cutoff with 60 sx
5. Set plug #3 from 221 up to 121' with 30 sx
6. Set surface plug with 10 sx and erect regulation marker.
7. Rehabilitate location.

RECEIVED

SEP 20 1984

DIVISION OF OIL
GAS & MINING

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/25/84
BY: [Signature]

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

SIGNED [Signature] TITLE V. Pease DATE 9/10/84
(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

081504

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-5675

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 a well on a different reservoir.
Use "APPLICATION FOR PERMIT..." for such proposals.)

RECEIVED
AUG 13 1986

UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

CC #6

10. FIELD AND POOL, OR WILDCAT

Calf Canyon

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

Sec. 10, T20S, R21E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. PERMIT NO.

43.019.30391

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

5645 grnd

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANE

(Other)

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

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

Plug and Abandonment Done as Completed.

1. Fill hoe with 9# mud
2. Set plug #1 from 2800' up to 2600' with 20 sx
3. Free point and cut off 4 1/2 and pulled
4. Set plug #2 from 100' below cut off to 100' above cut off with 60 sx
5. Set plug #3 from 221' up to 121' with 30 sx
6. Set surface plug with 10 sx and erected regulation marker
7. Rehabilitated location
8. Plant second time and new seed tools

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

SIGNED

Willard Pease

TITLE

Director

DATE

8/9/86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE

3-17-86

BY

John R. Day



WILLARD PEASE
R
OIL AND GAS Co. BOX 1874, GRAND JUNCTION, COLORADO 81502, (303) 245-5917

August 11, 1986

RECEIVED
AUG 13 1986

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

DIVISION OF
OIL, GAS & MINING

RE: Plug and Abandon Calf Canyon #6

Dear Ms. Jones,

Enclosed is a Sundry Notice we are submitting to the Bureau of Land Management on the plugging of our Calf Canyon #6 well. The well was plugged in November 1983 and the location was replanted the second time in the summer of 1985.

After you called, I could not locate an approved Sundry on the completion of the P & A. I apologize in the delay in getting this to you but our engineer was on vacation. I hope this will complete your files.

If you have any questions, please feel free to call.

Sincerely,

WILLARD PEASE OIL & GAS CO.

Kathy A Willis

Kathy A. Willis
Accounting Supervisor

Enclosure