

NOTATIONS

N.I.D. File _____
 Entered On S R Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 I W R for State or Fee Land _____

Checked by Chief _____
 Copy N.I.D. to Field Office _____
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Data Well Completed 2-18-97
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA

Log _____
 B _____
 _____ Fee Land _____

LOGS FILED

Driller's Log _____
 Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others _____

FILE NOTATIONS

Date: Nov. 16-
Operator: Willard Lease Oil & Gas -
Well No: Prod. Skyline 1-A
Location: Sec. 21 T. 23S R. 17E County: Grand

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

Checked By:

Administrative Assistant: [Signature]
Remarks: Skyline Prod. #1, MENA
Sec. 21,

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

Director: 7
Remarks:

Feb 18

Include Within Approval Letter:

Bond Required Survey Plat Required
Order No. _____ Blowout Prevention Equipment
Rule C-3(c) Topographical exception/company owns or controls acreage
within a 660' radius of proposed site
O.K. Rule C-3 O.K. In _____ Unit
Other:

Letter Written

November 24, 1976

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

Re: Well No. Federal Skyline #1A, S.W.
Sec. 21, T. 23 S, R. 17 E,
Grand County, Utah

Gentlemen:

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

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

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

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

The API number assigned to this well is 43-019-30327.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

SW
cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

NAME OF OPERATOR
Willard Pease Oil & Gas Company

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

LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.)*
at surface
SE.SE.SEC.21,T.23 S.,R.17 E.,S.L.M.

at proposed prod. zone 639' from E-line & 693' from S-line

DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
16 miles SE of Green River, Utah

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

DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
16. NO. OF ACRES IN LEASE
440 ac.

DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
8500'

ELEVATIONS (Show whether DF, RT, GR, etc.)
4125' grd.; 4138' K.B.

5. LEASE DESIGNATION AND SERIAL NO.
U-33311

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Skyline #1A S.W.

10. FIELD AND POOL, OR WILDCAT
Salt Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE.SE.SEC.21-23S-17E S.L.M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Dec.1, 1976

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.50#	250'	175 sks.

It is planned to drill a well at the above location to test the oil and gas potential of the Mississippian formation at a depth of about 8500'. The well will be drilled with rotary tools using mud for circulation. Approx. 250' of 10 3/4", 40.50#, H-40 casing will be set and cemented with returns to the surface for surface casing. A casing head and blowout preventer will be installed on top of the casing. Fill and Kill lines will be connected below the blind rams of the blowout preventer. An 8 3/4" hole will be drilled below the surface casing. An AFE for the planned well is attached hereto. In the event of production, 5 1/2", 15.50# and 17.00#, H-40 and N-80 casing will be run and cemented thru the potential pay zones and thru the salt section. See attached 12-pt. plan.

Approval notice *Utah State Oil & Gas*

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.

SIGNED H. Don Gungley TITLE Consulting Geologist DATE Nov.11,1976

PERMIT NO. _____ APPROVAL DATE DEC 09 1976

APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE DEC 23 1976

CONDITIONS OF APPROVAL, IF ANY:

W. DON QUIGLEY

OIL AND MINERALS CONSULTANT
803 PHILLIPS PETROLEUM BLDG. - SALT LAKE CITY, UTAH 84101
Nov.11, 1976

PROGNOSIS FOR SALT WASH WELL
SE.SE.SEC.21
T.23 S,R.17E.
GRAND COUNTY,UTAH

Location: SE.SE.Sec.21,T.23 S.,R.17 E.,S.L.M.,Grand County, Utah
(639' from E-line & 693' from S-line)

Elevation: 4125'grd.; 4138'K.B.

Surface Casing: 250 ft. of 10 3/4", 40.50#, H-40,STC.; set and
cemented with returns to the surface (175 sks.)

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Carmel	Surface	150'	4138'K.B.
Navajo	150'	375'	3988'
Kayenta	525'	100'	3613'
Wingate	625'	500'	3513'
Chinle	1125'	300'	3013'
Shinarump*	1425'	125'	2713'
Moenkopi	1550'	500'	2588'
Kaibab *	2050'	100'	2088'
Coconino	2150'	550'	1988'
Wolfcamp	2700'	500'	1438'
Hermosa *	3200'	1600'	938'
Paradox Salt*	4800'	2900'	-662'
Pinkerton Trail *	7700'	300'	-3562'
Mississippian*	8000'	-----	-3862'
Total Depth	8500'		

* Formations which may have hydrocarbons.

1. It is planned to drill an 8 3/4" hole below the surface casing to provide for the possibility of running an intermediate string of 7" casing. It is not felt that this will be necessary; but in the event of serious hole trouble or water flow, it will be possible to do so.
2. Normal fresh water drilling mud will be used for circulation down to a depth of about 4500', at which point the mud system will be converted to salt base mud using brine water. A mud weight of approx. 9#/gal. will be maintained as near as poss-

ible while using fresh water mud and about 10.5#/gal. when using salt base mud. It may be necessary to convert to salt base mud much sooner than planned in the event a strong water flow is encountered in the Wingate formation. The heavier mud will help to control the water flow. When nearing the top of the Mississippian, an effort will be made to reduce the water loss down to about 6 cc.per 15 min. with 100# P.S.I. Viscosity will be kept between 35 and 50 to insure good circulation of cuttings from the hole.

3. All hydrocarbon shows are to be drill-stem-tested when encountered. Both initial and final shut-in periods are to be taken. Final flow periods should not be less than one hour and final shut-in periods should not be less than 1½ hours. It is estimated that about 3 to 4 DST's will be required.
4. The well will be drilled to a depth which is about 400 feet below the top of the Mississippian, but in no case will it be drilled below -4400'datum (8538'in depth) which is the top of the water in the Salt Wash field.
5. Electric logs will be run at total depth and will include a gamma-guard log from bottom to top, and a gamma-density-compensated neutron porosity log from the bottom up to the base of the salt section.
6. Samples of the bore-hole cuttings will be taken at 10-ft. intervals, starting at 400 ft. and continuing until total depth is reached.
7. Deviation of the hole will be kept below 5°, if possible.

8. Anticipated costs of the well are as follows:

Surveying and permit costs	\$350.00	
Road and location	3200.00	
Surface Casing and cementing	4500.00	
Casing head and valves	950.00	
Drilling Contract (55 days at\$3200/da.)	175,000.00	
Water hauling	15,000.00	
Mud and chemicals	30,000.00	
DST's (four)	6,500.00	
Electric logs	5,000.00	
Geologist	5,500.00	
Move-in and move-out and rig-up & down	25,000.00	
Casing (5½", 15.50#, 4500'; 17.00#,4000')	37,500.00	\$271,000.00
Casing crew	2,100.00	
Casing cementing and casing equipment	3,500.00	-
Miscellaneous	15,900.00	\$43,100.00

TOTAL AMOUNT \$330,000

LOCATION PLANS FOR
WILLARD PEASE OIL & GAS CO.
SKYLINE FED.#1A S.W.WELL
SE.SE.SEC.21-23S-17E
GRAND COUNTY, UTAH

1. A survey plat showing the location of the proposed well site is attached (See Plat #1). Map #1 shows the route to the well site from I-70 about 12 miles east of Green River, Utah. The map shows the Salt Wash Field area and some of the secondary roads in the surrounding area. Many other trails and roads exist in the area which have been made by recreationists with off road vehicles and by seis crews. The well site is in an area of sand dunes beside a dry wash. The actual location is nearly flat and will require little preparation for the drill rig. The surface rocks are sandstones and shales belonging to the base of the Entrada formation and the top of the Carmel formation.
2. Planned Access Roads: A detailed plat showing the route and details of the access road is attached (See Plat #2). The road is actually part of an existing road and seis trail, which will be widened and improved somewhat. The incline as shown on the plat will have to be covered with shale and rock on top of the sand to provide stability. This can be dozed from the sides and nearby to the road area. The rest of the road is along the wash and above the sand dunes and should not give any trouble.
3. Location of Existing Wells: See attached map.
4. Location of Production Equipment: A plan for the anticipated production equipment, if the well is successful, is submitted on Plat #3. The flow lines will be buried and the tank battery will be set on a 6" gravel pad. The water, if any, from the heat-treater will be disposed of in a fenced pit initially. If the amount is too much for evaporation, it will have to be injected in a disposal well.
5. Water Supply: Water for drilling operations can be hauled from the Green River, about 5 miles away, by truck or can be obtained from the storage tanks which are used for the water produced by the present wells in the field.
6. Road Material: The shale and rock which may be used on the road to cover the sandy areas can be obtained from the sides and nearby locations next to the road.
7. Waste Material: An unlined reserve pit and burn pit will be

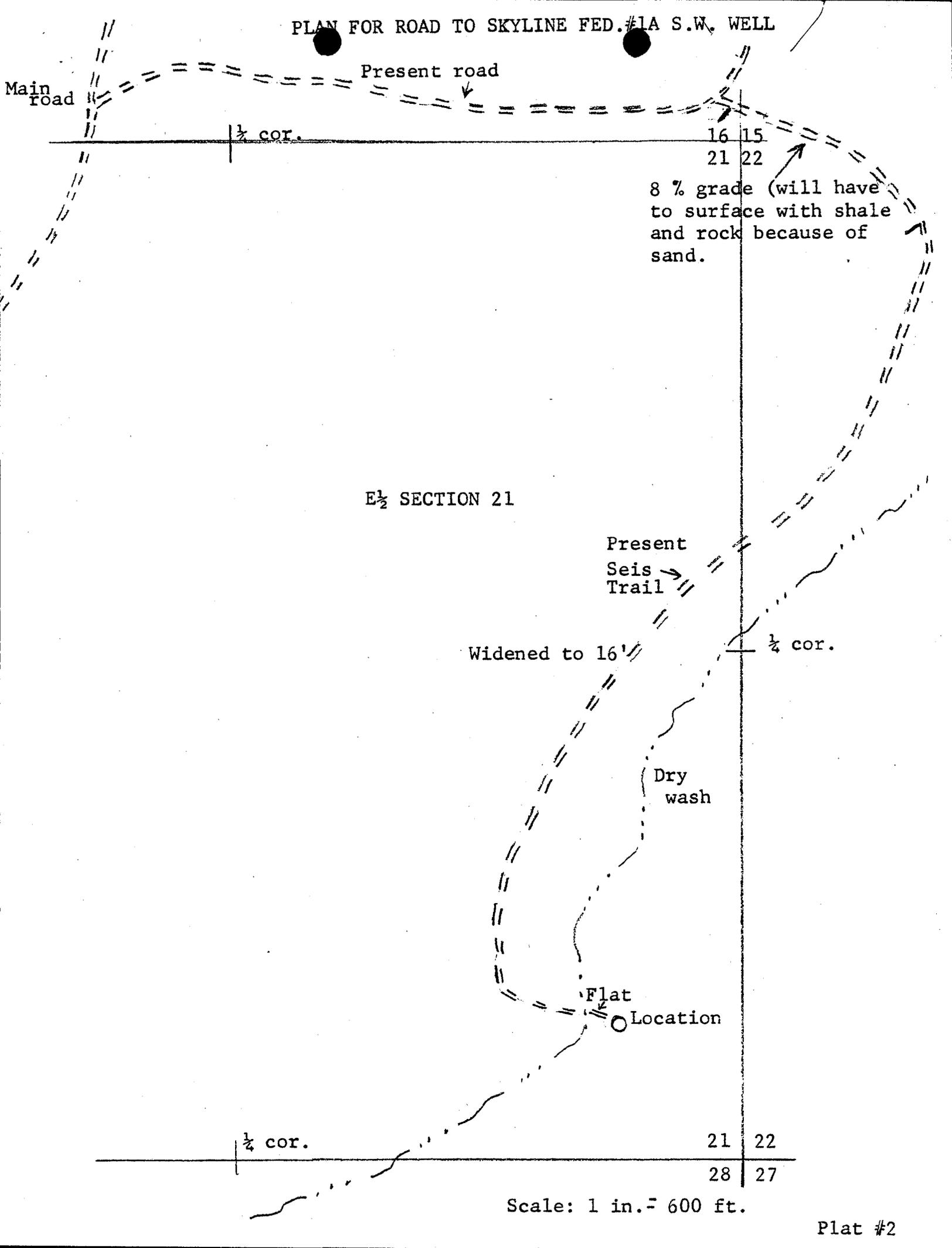
constructed at the well site as shown on Plat #4. All excess water, mud, and drill cuttings will be deposited into the reserve pit. Burnable material and garbage will be put into the burn pit. Both pits will be folded -in and covered as soon as feasible after cessation of drilling operations. Since there is no top soil at the well site these pits can be folded-in without sorting.

8. Camp Facilities and Airstrips: Only trailer houses for the supervisory personnel will be required. No elaborate camp facilities will be required. There is an airstrip located just north of the Salt Wash field/^{which} may be used for emergency, and possibly flying the crews back and forth. No additional air strips will be required.
9. Well Site Layout: A plan for the drilling equipment layout is submitted on Plat #4. The approximate dimensions of the drill site, and reserve pit are shown. The drill site is nearly flat and will require no cuts more than 2' other than the reserve and burn pits. The pits will be unlined natural pits with about 4 ft. banks. There is no vegetation on the well site and no top soil.
10. Restoration: After drilling operations are concluded and the equipment removed, and if the well is not successful, the well site will be cleaned, levelled, and graded. Seeding will not be required due to the present lack of vegetation. If the well is successful, the site will be prepared for the placement of the production equipment. The road to the site may have to be improved to make it serviceable year-round. In the event the reserve pit is full of mud and water, it will be fenced and allowed to evaporate before covering.
11. Land Description: See items 1 and 9 above.
12. Representative: The operator's representative at the well site will probably be W. Don Quigley, Consultant. The drilling contractor will be Willard Pease Drilling Company of Grand Junction, Colorado.
13. Certification: I hereby certify that I, or persons under my direct supervision, 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 will be performed by competent contractors and personnel engaged by Willard Pease Oil & Gas Company in conformity with this plan and terms and conditions under which it is approved.

Date: Nov.12,1976


W. Don Quigley

PLAN FOR ROAD TO SKYLINE FED. #1A S.W. WELL



Present road

Main road

1/2 cor.

16 15
21 22

8 % grade (will have to surface with shale and rock because of sand.)

E 1/2 SECTION 21

Present Seis Trail

Widened to 16'

1/4 cor.

Dry wash

Flat Location

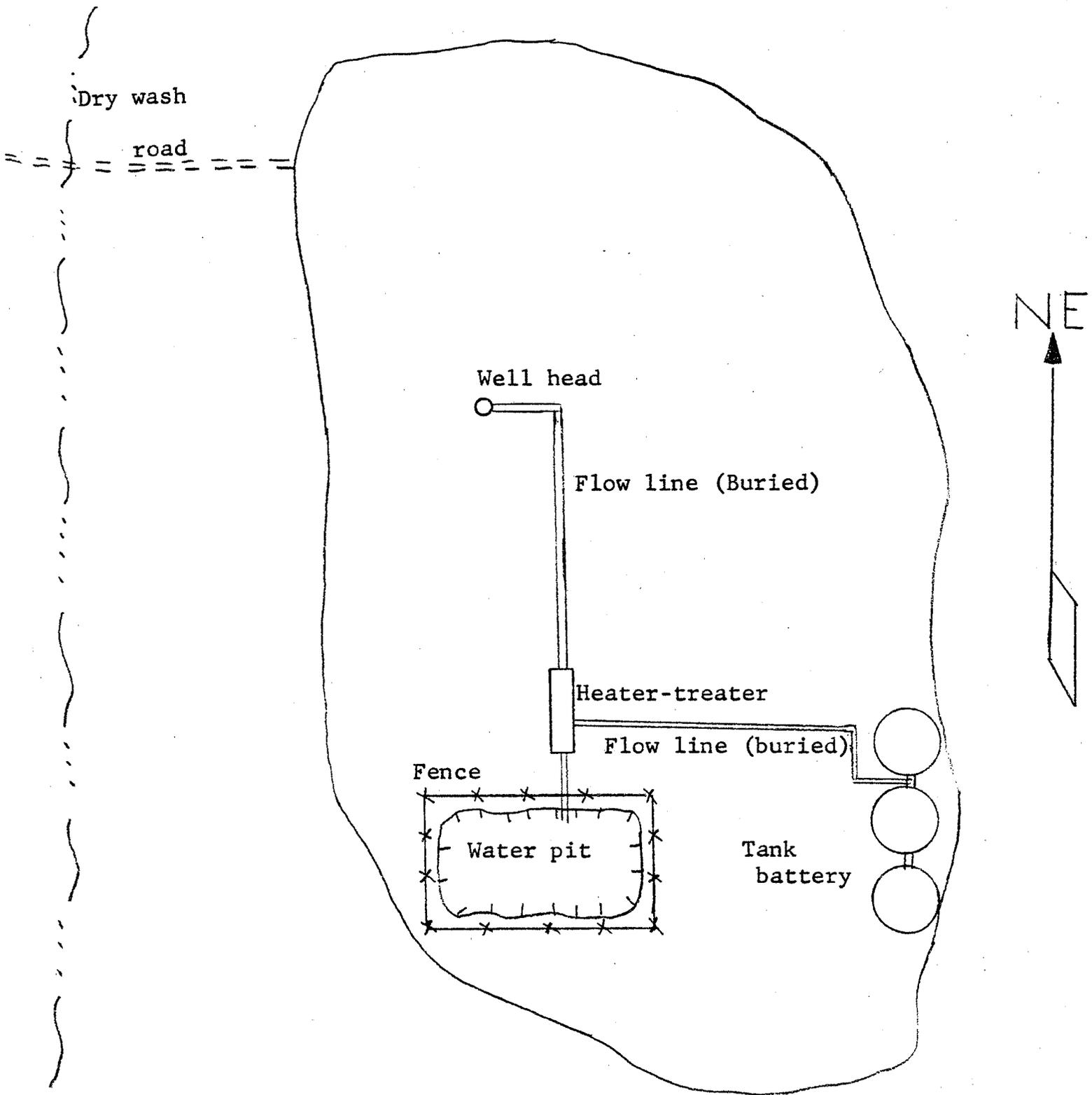
1/2 cor.

21 22
28 27

Scale: 1 in. = 600 ft.

Plat #2

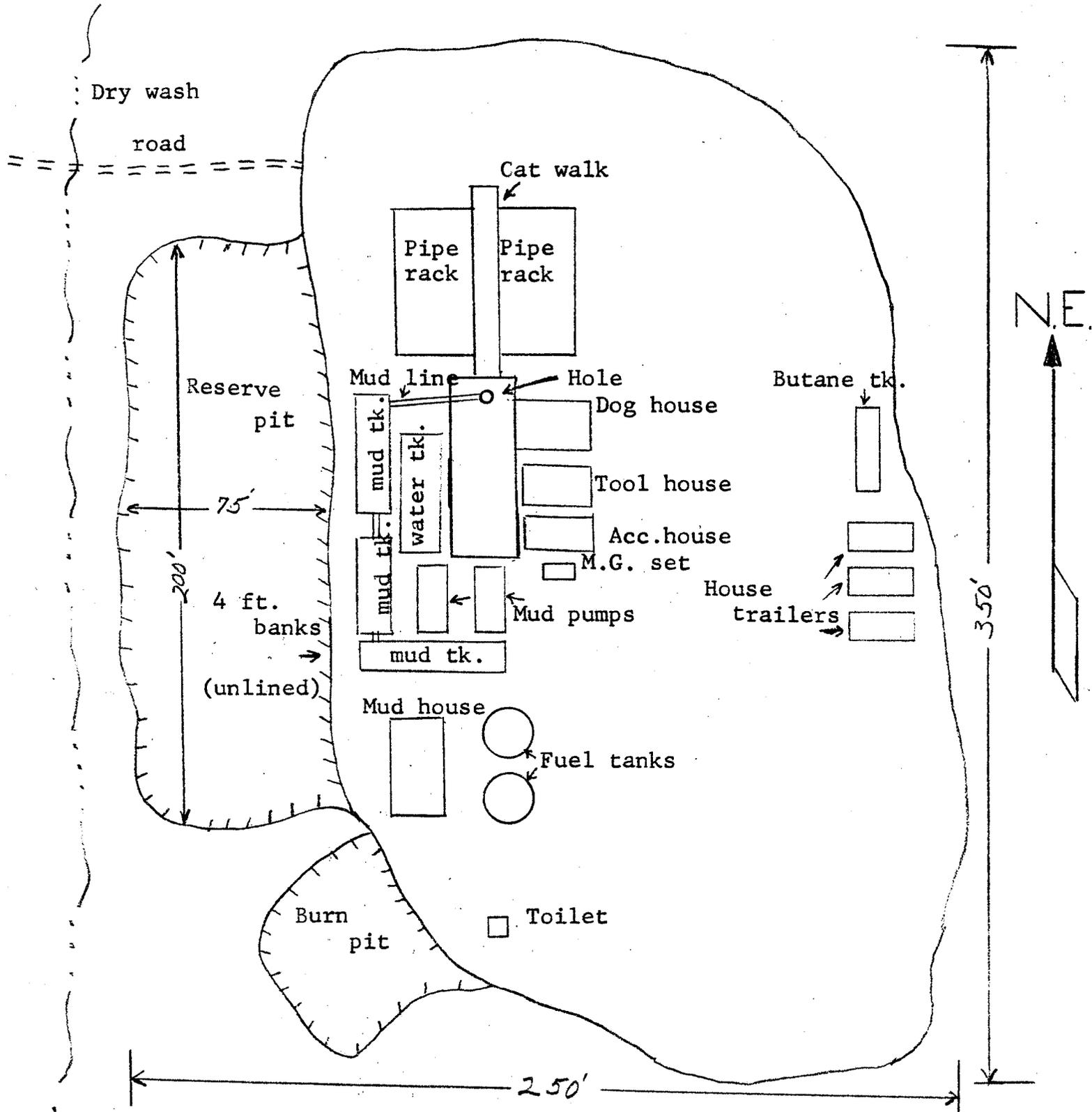
PLAN FOR PRODUCTION EQUIPMENT
FOR SKYLINE FED. #1A S.W. WELL
SE. SE. SEC. 21-23S-17E.
GRAND COUNTY, UTAH



Approx. scale: 1 in. = 50 ft.

Plat #3

DRILLING EQUIPMENT LAYOUT
 FOR
 PEASE OIL AND GAS COMPANY
 SKYLINE FED. #1A S.W. WELL
 SE. SE. SEC. 21-23S-17E
 GRAND COUNTY, UTAH



Approx. scale: 1 in. = 50 ft.

WELL CONTROL EQUIPMENT
FOR
SKYLINE FED.#1A S.W.WELL
SE.SE.SEC.21-23S-17E
GRAND COUNTY, UTAH

(See attached diagram)

1. Surface Casing:

- A. Hole size for surface casing is 14 3/4"
- B. Setting depth for surface casing is approx. 250 ft.
- C. Casing specs. are: 10 3/4" O.D., H-40, 40.50#, STC
- D. Anticipated pressure at setting depth is approx. 60#.
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 100 sks of cement with returns to the surface.
- F. Top of casing will be about 18" below ground level.

2. Casing Head:

- F. Flange size: 10; API pressure rating: 3000# W.P.; Series 900; Cameron, OCT, or equivalent; new or used; equipped with two 2" ports with high pressure nipples and 3000# W.P. ball valves.

3. Intermediate Casing: Probably none.

4. Blowout Preventer:

- A. Double rams, hydraulic, one set of blind rams and one set of pipe rams for 4 1/2" drill pipe; 10" flange, 3000# W.P.; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down. Initially rams will be pressure tested for not less than 2000# for leaks and will be checked and closed once a day while drilling operations are underway.
- B. Fill and kill lines (2" tubing or heavy duty line pipe) with manifold are to be connected to the 2" valves on the casing head.

5. Auxilliary Equipment:

A float valve is to be used in the bottom drill collar at all times. The standpipe valve will be kept in good working condition, and a safety valve that can be stabbed into the top of the drill pipe or drill collars will be kept on the derrick floor in a handy position at all times.

6. Anticipated Pressures:

The shut-in pressures of the potential pay zones anticipated in the Shinarump, Hermosa, Pinkerton Trail, And Mississippian formations are as follows:

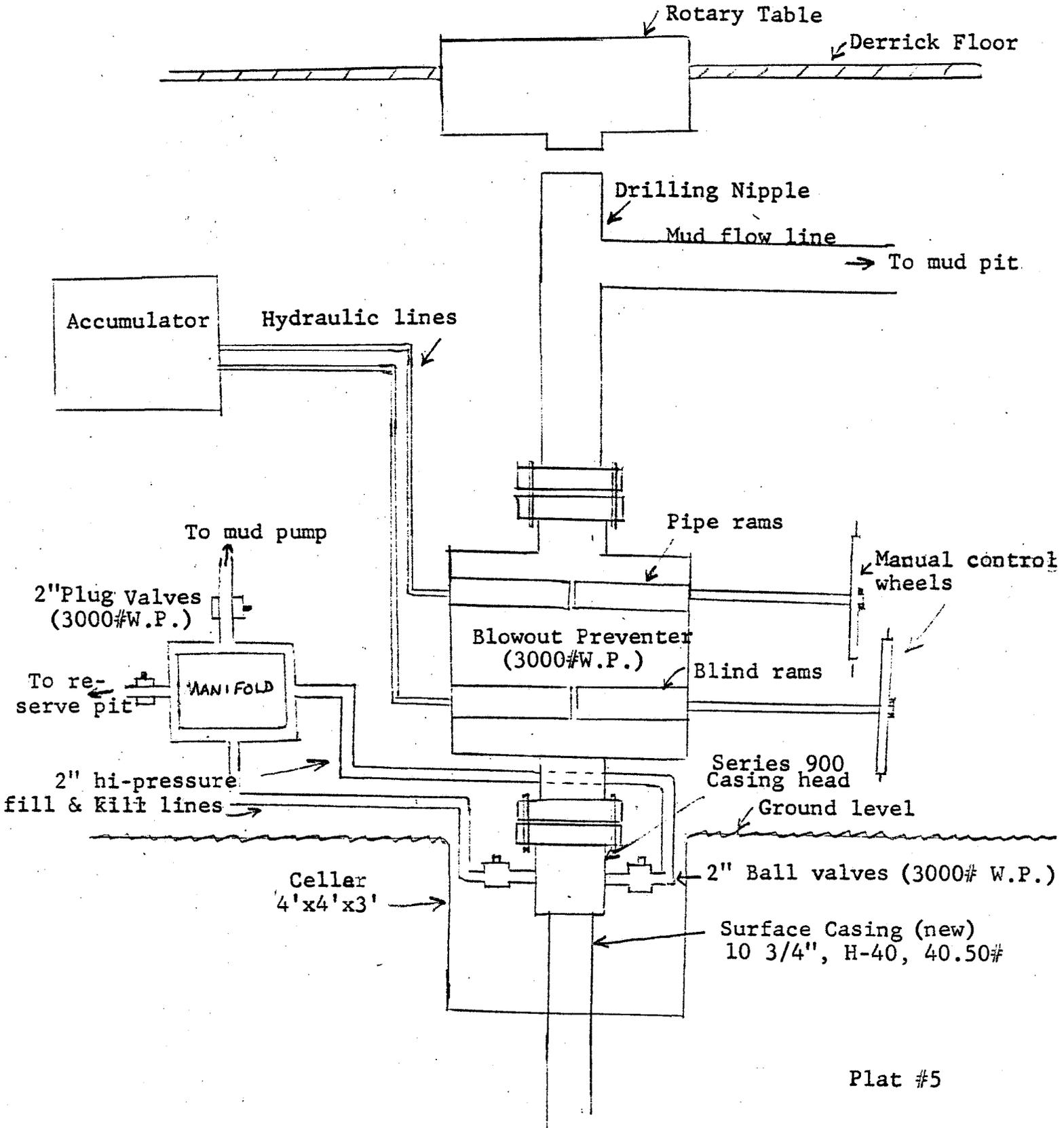
Shinarump	-----1425'	----- 500#
Hermosa	-----3400'	----- 950#
Paradox Salt	-----6000'	-----2500#
Pinkerton Trail	---7800'	-----3500#
Mississippian	-----8250'	-----3875#*

*This pressure is based on DST data from wells in the area

- down to the top of the salt, and then will be converted to salt base mud using brine water,
7. Drilling Fluids:
Normal fresh water mud with gel and chemicals will be used for circulation. The mud weight will be kept at about 9-10 lbs./gal.; and the viscosity will be kept around 35-50 and the water loss kept below 6 cc., if possible. This weight and associated hydrostatic pressure should keep the well under control. No abnormal pressures are known in the area, nor has there been any indication of sour gas in the nearby wells.
8. Production Casing:
- A. Hole size for the production casing will be 8 3/4"
 - B. Approx. setting depth will be about 8500'.
 - C. Casing specs. are: 4000' of 5 1/2" O.D., 17.00#, N-80 casing, and 4500' of 5 1/2" O.D., 15.50#, J-55 casing with guide shoe and float collar and about ten centralizers at the proper places, cemented with 400 sks of regular, type G cement with 10% salt.
 - D. The anticipated pressure at setting depth should not be greater than 3900#.

W. Don Quigley
W. Don Quigley

SCHEMATIC DIAGRAM OF
 CONTROL EQUIPMENT FOR THE
 SKYLINE FED. #1A S.W. WELL
 SE. SE. SEC. 21-23S-17E
 GRAND COUNTY, UTAH



Plat #5

386.
of 1969)

REPORT OF INQUIRY

State UTAH
County Salt Lake County

NAME, ADDRESS, AND TITLE OF INQUIRER: Mr. Bruno Alto, USGS, Cons. Div.
8422 Federal Bldg.

DATE: Salt Lake City, Utah 84111
Nov. 7, 1969

SUBJECT OF INQUIRY AND INFORMATION GIVEN

Depths of fresh-water zones:

Oil Incorporated, Westwater M-8
1430' fml, 1630' fwl, sec 1, T 17 S, R 23 E, SLBM
Elev 5931', test to 5500' in Dakota Sandstone.

Formations:

Mesa Verde Fm	0-1500	contains fresh water
Mancos Shale	1500-5500	contains salty water
Dakota Sandstone	5500-5650	contains salty water

In this area the Mesa Verde Fm is known to contain fresh water. It should be protected from contamination to below the base of its Sege Mem. The Mancos Shale and lower formations will contain salty water under artesian head.

- CHECK OFF APPLICABLE BOXES
- A. SOURCE OF REQUEST
- 1. U.S. Congress
 - 2. State Legislature
 - 3. Army
 - 4. Navy
 - 5. Air Force
 - 6. Atomic Energy Commission
 - 7. Bureau of Reclamation
 - 8. Sport Fisheries & Wildlife
 - 9. Bureau of Indian Affairs
 - 10. National Park Service
 - 11. Weather Bureau
 - 12. Public Health Service
 - 13. Department of Agriculture
 - 14. Other Federal Agency
 - 15. State Geological Survey
 - 16. State Water Agency
 - 17. Other State Agency
 - 18. Municipality
 - 19. County
 - 20. Water Supply District
 - 21. Irrigation District
 - 22. Drainage District
 - 23. Consultant
 - 24. Commercial
 - 25. Industrial
 - 26. Individual
 - 27. Foreign Government
 - 28. Other

- B. TYPE OF DATA REQUESTED
- 1. Ground Water
 - 2. Surface Water
 - 3. Quality of Water
 - 4. Sediment
 - 5. Topographic
 - 6. Geologic
 - 7. Other

- C. NATURE OF PROBLEM
- 1. Well location
 - 2. Deficient supply
 - 3. Deterioration of supply
 - 4. Aquifer depletion
 - 5. Aquifer replenishment
 - 6. Well interference
 - 7. Other

- D. USE OF INFORMATION
- 1. Defense supply
 - 2. Industrial supply
 - 3. Municipal supply
 - 4. Irrigation supply
 - 5. Domestic supply
 - 6. Stock supply
 - 7. Fish and wildlife
 - 8. Recreation supply
 - 9. Construction supply
 - 10. Drainage activities
 - 11. Investment or speculation
 - 12. Litigation
 - 13. Allocation of supply
 - 14. Educational
 - 15. General information
 - 16. Undisclosed
 - 17. Other

PUBLICATIONS OR PERSONS REFERRED TO

Grand County tech. file, WRD, Utah District

- E. ADEQUACY OF REPLY
- 1. Adequate
 - 2. Inadequate
 - 3. Inadequate but useful
 - 4. No data available
 - 5. Additional data collected
 - 6. Unknown

- F. REQUEST MADE BY
- 1. Visit
 - 2. Telephone
 - 3. Writing

FUTURE ACTION REQUIRED

Time spent:
NAME AND TITLE OF SURVEY REPRESENTATIVE
C. T. Sumsion, Hydrologist

Willard Pease Oil Co.
 # 1A S.W. SESE
 Sec 21-23s-17E
 U-33311
 Grand County Utah
 BLM - Macely
 USGS - ALEXANDER
 Pease - Quigley

- ENHANCES
- NO IMPACT
- MINOR IMPACT
- MAJOR IMPACT

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

Category	Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Land Use						
Foresty	NA					
Grazing	LO	/	/	/	/	/
Wilderness	NA					
Agriculture	NA					
Residential-Commercial	NA					
Mineral Extraction	NA					
Recreation	/	/	/	/	/	/
Scenic Views	/	/	/	/	/	/
Parks, Reserves, Monuments	NA					
Historical Sites	NA					
Unique Physical Features	NA					
Flora & Fauna						
Birds	/	/	/	/	/	/
Land Animals	/	/	/	/	/	/
Fish	NA					
Endangered Species	None Known					
Trees, Grass, Etc.	/	/	/	/	/	/
Phy. Charact.						
Surface Water	NA					
Underground Water	?					
Air Quality	/	/	/	/	/	/
Erosion	/	/	/	/	/	/
Other						
Effect On Local Economy	LO	O	O	O	O	O
Safety & Health		/	/	/	/	/

Others Orig: Jule
 cc: Reg Denver
 BLM - Mack
 Doam - Utah

Lease

U-33311

Well No. & Location

1A S.W. Sec 21-23s-17E

Grand County Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Willard Pease Oil & Gas Co. PROPOSES TO DRILL AN OIL AND GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 8500 FT. TD, 2) TO CONSTRUCT A DRILL PAD 350 FT. X 250 FT., AND A RESERVE PIT 200 FT. X 75 FT., 3) TO CONSTRUCT 18 FT. X .05 MILES ACCESS ROAD AND UPGRADE 18 FT. X 2 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD.

2. Location and Natural Setting (existing environmental situation)

The well site is a relatively flat area within the salt wash field area. It is within a sand dune area that has been set aside by BLM for use by recreationists with dune buggies and four wheel drive vehicles.

The location is almost void of any vegetation.

The wild life is Antelope, small mammals, birds, and no known endangered species.

There are no known historical sites that would be affected and no evidence of archeological sites was noted.

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) ~~INDUCED~~ 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) Due to extremely sandy conditions of the area, erosion due to surface disturbance and support traffic could possibly be significant. Rehab of this area may be difficult.

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.

3) No nearby locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

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

2) ~~INDUCED~~ 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)

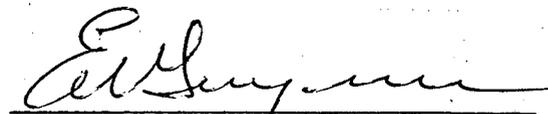
6. Determination

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

Date Inspected

12-8-76

Inspector



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

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Willard Pease Oil & Gas Co. #1A S.W.	639' FEL, 693' FSL Sec. 21 T23S R17E SW4, Grand Co, Utah TREL 4125'	U-33311
<p>1. Stratigraphy and Potential Oil and Gas Horizons. <i>The surface rocks are of the covering deposits - chiefly wind blown silt's lacking dune form. Morris Rosenblatt #1 well, Sec. 20 same twsp, reports the following tops: Carmel - 445', Navajo - 540', Chinle - 1540', Shinarump - 1885', Moenkapi - 1920', Sinbad 2298'. T.D. 2402'.</i></p> <p>2. Fresh Water Sands.</p>		
<p><i>WRD report: all pages 2 & 3.</i></p>		
<p>3. Other Mineral Bearing Formations. <i>Prospectively valuable for sodium and potash which is found in the Paradox. This test will penetrate the Paradox & protection should extend through the sodium-potash interval.</i></p>		
<p>4. Possible Lost Circulation Zones. <i>unknown</i></p>		
<p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. <i>unknown</i></p>		
<p>6. Possible Abnormal Pressure Zones and Temperature Gradients. <i>unknown</i></p>		
<p>7. Competency of Beds at Proposed Casing Setting Points. <i>Probably competent</i></p>		
<p>8. Additional Logs or Samples Needed. <i>Logs to identify any fresh water zones & potash in Paradox.</i></p>		
<p>9. References and Remarks <i>Within 2 mile radius of Salt Wash KYS.</i></p>		
Date: <i>12-7-76</i>	Signed: <i>Eileen M. Pesa</i>	

BOGM

CEMENTING SERVICE REPORT

PRINTED IN U.S.A.

PLATMENT NO. **75-72-03-1725**

WELL STATION **Grand Junction 2/17/76**

WELL NAME AND NO. **Skyline Fed #1A**

LOCATION: L-FIELD **Sec 21 T235 R17E**

RIG NAME: **Willard Pease Drilling #3**

COUNTY **Grand County**

STATE **Utah**

WELL DATA

HOLE SIZE 8 1/4	CASING	A	B	C	D
DEPTH 8870	SIZE-WEIGHT				
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	LENGTH				
BHST 160°	GRADE				
BHLT	THREAD				
BHCT	CAPACITY				

NAME **Willard Pease Oil & Gas Drilling Co**
 AND **P.O. Box 548**
 ADDRESS **Grand Junction Colorado**
 ZIP CODE **80501**

MUD: TYPE _____ WT. _____ VISC. _____

SHOE FLOAT	TYPE	DEPTH	STAGE TOOL	TYPE	DEPTH

SPECIAL INSTRUCTIONS
Mix & Displace Cement to Set plugs
1st at 8850 to 8650 - 60sks
2nd at 8350 to 8250 40sks
3rd at

<input type="checkbox"/> TBG <input checked="" type="checkbox"/> D.P.	HEAD & PLUGS	SQUEEZE JOB	
SIZE 4"	<input type="checkbox"/> DOUBLE	TOOL	TYPE
WEIGHT 14#	<input type="checkbox"/> SINGLE	DEPTH	
GRADE	<input type="checkbox"/> SWAGE	TAIL PIPE:	IN. FT.
THREAD FH	<input type="checkbox"/> KNOCKOFF	PERF	INTERVAL FT.
<input type="checkbox"/> NEW <input type="checkbox"/> USED	TOP <input type="checkbox"/> R <input type="checkbox"/> W	TO	
DEPTH 8850	BOT <input type="checkbox"/> R <input type="checkbox"/> W	TO	
CAPACITY 96	OTHER	TO	

PRESSURE LIMIT _____ PSI BUMP PLUG TO _____ PSI MIN
 ROTATE _____ RPM RECIPROCATE _____ FT CENTRALIZERS NO

JOB SCHEDULED FOR TIME: **ASAP** DATE: **2/16** ARRIVED ON LOCATION TIME: **23:00** DATE: **2/16** LEFT LOCATION TIME: **09:30** DATE: **2/17**

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
23:00					on location Rig Up Dowell
24:00					Safety Meeting
24:20	1000		0	5 1/2	pump 50 bbls mud ahead of plug
	1000		50	5 1/2	pump 10 bbls water ahead of cement
	1000		60	4	Mix & pump 12 bbls slurry at 15.8 lbs/gal
	1000		72 1/2	6	Displace with 2 1/2 bbls water & 88 bbls mud
24:55	1000		162 1/2	-	Plug Down (Dry) Pull Drill Pipe
01:15			0	5	Pump 10 bbls water ahead of plug
	1000		10	4	Mix & pump 8 bbls slurry at 15.8 lbs/gal
	1000		18	5	pump 2 1/2 bbls water & 85 bbls mud
01:40	1000		105 1/2	-	Plug Down (Dry) Pull Drill Pipe
03:00			0	5	pump 10 bbls water ahead of cement
	1000		10	4-5	Mix & pump 17 bbls slurry at 14.2 lbs/gal
	1000		27	5 1/2	Displace with 2 bbls water & 70 bbls mud
03:20	1000		99	-	plug Down (Dry) Pull Drill Pipe
03:30					Rig Down Dowell & Clean Up Equipment

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					VOL.	WT.
I.	100	1.14	Class G + 2%	Cecl ₂	20	15.8
II.	60	1.6	RF Cement	10 & 2	17	14.2
III.						

BREAKDOWN FLUID	WT.	SACKS MIXED 160	PUMPED 160	PRESSURE MAX: 1000 MIN:
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CEMENT CIRCULATED TO SURF. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN	PSI FINAL	PSI	CEMENT LEFT IN PIPE: None FT.	
WASHED THRU <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT	MEASURED <input checked="" type="checkbox"/> DISPLACEMENT <input type="checkbox"/> WIRELINE	<input type="checkbox"/> AS PLANNED <input type="checkbox"/> UNAVOIDABLE
TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE/WATER <input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT	CUSTOMER REPRESENTATIVE H. Don Gingles		DOES CUSTOMER CONSIDER SERVICE: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/> UNKNOWN	

FLUID SAMPLE DATA				Date	Ticket Number		
Sampler Pressure	PSIG at Surface			2-15-77	143741		
Recovery: Cu. Ft. Gas	<div style="border: 2px solid black; padding: 5px; text-align: center;"> MAILED FEB 22 1977 <small>Halliburton Company Duncan, Oklahoma</small> </div>			Kind of Job	Halliburton District		
cc. Oil				OPEN HOLE	VERNAL		
cc. Water				Tester	HAGGARD	Witness	QUIGLEY
cc. Mud				Drilling Contractor	PEASE RIG # 3	NM S	
Tot. Liquid cc.				EQUIPMENT & HOLE DATA			
Gravity	RESISTIVITY			Formation Tested	Mississippi		
Gas/Oil Ratio	CHLORIDE CONTENT			Elevation	4138' Ft.		
Recovery Water	.08 @ 54 °F.	135,000ppm	Net Productive Interval	73' Ft.	All Depths Measured From		
Recovery Mud	.08 @ 54 °F.	135,000ppm	Total Depth	8870' Ft.	Kelly Bushing		
Recovery Mud Filtrate	.05 @ 150 °F.	14,000ppm	Main Hole/Casing Size	7 7/8"	Drill Collar Length		
Mud Pit Sample	.70 @ 42 °F.	SAT. 108ppm	Drill Pipe Length	8761' I.D. 3.340"	Packer Depth(s)		
Mud Pit Sample Filtrate	.50 @ 50 °F.	17,000ppm	Depth Tester Valve	8773' Ft.			
Mud Weight	11.4	vis 55 cp					
Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke		
	NONE		NONE	1/8"	3/4"		
Recovered	461'	Feet of mud					
Recovered	5312'	Feet of salt water			REVERSED OUT...		
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks	At 08:25 opened tool with a weak blow - which was increasing to a strong blow. Closed tool for a 43 minute first closed in pressure. Tool reopened for a 121 minute second flow with a fair blow - which was increasing to a strong blow - continued throughout the flow. Took a 151 minute second closed in pressure. Pulled out of the hole...						
TEMPERATURE	Gauge No. 1530	Gauge No. 1531	Gauge No.	TIME			
	Depth: 8777' Ft.	Depth: 8866' Ft.	Depth: Ft.				
Est. °F.	12	24	Hour Clock	Tool A.M.			
	Blanked Off NO	Blanked Off YES	Blanked Off	Opened 0825 P.M.			
Actual 150°F.	Pressures		Pressures		Bypass 13:55 P.M.		
	Field	Office	Field	Office	Reported	Computed	
Initial Hydrostatic	5142	5167	5206	5225	Minutes	Minutes	
First Period	Flow Initial	125	77	122	161		
	Flow Final	541	581	651	631	15	15
	Closed in	4026	4031	4080	4080	45	43
Second Period	Flow Initial	583	602	651	668		
	Flow Final	2865	2913	2913	2950	120	121
	Closed in	4026	4037	4080	4087	150	151
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic	5142	5114	5206	5171			

Legal Location Sec. - Twp. - Rng. 21 - 23S - 17E

Lease Name SKYLINE

Well No. 1-A

Test No. 2

Field Area SALT WASH

County GRAND

State UTAH

Tested Interval 8797' - 8870'

Lease Owner/Company Name WILLARD PEASE OIL AND GAS COMPANY

Gauge No. 1530			Depth 8777'				Clock No. 7127			12 hour	Ticket No. 143741				
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	77	.000		581	.000	602	.000		2913					
1	.0214	192	.0072		3658*	.1493	1160**	.0351		3950					
2	.0428	292	.0287		3898	.2914	1604	.0703		3985					
3	.0642	390	.0503		3954	.4336	2002	.1054		4000					
4	.0856	487	.0719		3979	.5757	2348	.1405		4010					
5	.1070	581	.0934		3994	.7178	2644	.1757		4017					
6			.1150		4004	.8600	2913	.2108		4021					
7			.1365		4010			.2459		4023					
8			.1581		4017			.2811		4027					
9			.1797		4019			.3162		4029					
10			.2012		4023			.3513		4029					
11			.2228		4025			.4919		4033					
12			.2443		4027			.6324		4033					
13			.2659		4029			.7729		4033					
14			.2874		4029			.9134		4035					
15			.3090		4031			1.0610		4037					

Gauge No. 1531			Depth 8866'				Clock No. 7139			hour 24					
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	161	.000		631	.000	668	.000		2950					
1	.0104	240	.0033		3694*	.0705	1208**	.0168		4000					
2	.0208	356	.0134		3956	.1376	1647	.0336		4036					
3	.0312	448	.0234		4006	.2047	2036	.0504		4050					
4	.0416	552	.0335		4032	.2718	2395	.0672		4060					
5	.0520	631	.0435		4044	.3389	2692	.0839		4066					
6			.0536		4054	.4060	2950	.1007		4072					
7			.0636		4060			.1175		4074					
8			.0737		4066			.1343		4078					
9			.0837		4070			.1511		4078					
10			.0938		4074			.1679		4080					
11			.1038		4076			.2350		4085					
12			.1139		4076			.3022		4087					
13			.1239		4078			.3693		4087					
14			.1339		4080			.4365		4087					
15			.1440		4080			.5070		4087					

Reading Interval 3 3 20 *** Minutes

REMARKS: * INTERVAL = 1 MINUTE. ** INTERVAL = 21 MINUTES. *** FIRST TO READINGS = 5 MINUTES EACH - NEXT 4 READINGS = 20 MINUTES EACH AND THE LAST READING = 21 MINUTES.

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub				
Water Cushion Valve				
Drill Pipe 4" FH - 14#	4"	3.340"	8761'	
CROSS-OVER 4" FHB to 4 1/2" FHP	5 3/4"	2 3/4"	.80'	
REVERSING SUB 4 1/2" FH	5 3/4"	2 3/4"	1.00'	8763'
Dual CIP Valve	5"	.87"	4.88'	8768'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5.00'	8773'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4.00'	8777'
Hydraulic Jar BIG JOHN	5"	1.75"	5.00'	
VR Safety Joint	5"	1.00"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly NR - 2	6 3/4"	1.68"	5.82'	8789'
Distributor 2000 lbs.	5"	1.68"	2.00'	
Packer Assembly NR - 2	6 3/4"	1.68"	5.82'	8797'
Flush Joint Anchor	5 3/4"	2.87"	30.00'	
CROSS-OVER 4 1/2" FHB to 4 1/2" XHP	5 3/4"	3 1/4"	.65'	
Drill Collars	5 15/16"	2 1/4"	31.17'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
X-OVER 4 1/2" XHP to 4 1/2" FHP	5 3/4"	2 7/8"	.62'	
Flush Joint Anchor	5 3/4"	2.87"	5.00'	
Blanked-Off B.T. Running Case	5 3/4"	2.44"	4.00'	8866'
Total Depth				8870'

CEMENTING SERVICE REPORT

PRINTED IN U.S.A.



15-72-03-1724

WELL STATION Grand Junction 2/18/77

WELL NAME AND NO. **Skyline Fed #1A**

LOCATION-POOL-FIELD **Sec 21 T235 R17E**
DOWELL ENGINEER

RIG NAME **Willard**

COUNTY **Grand County**

STATE **Utah**

WELL DATA					
HOLE SIZE 8"	CASING	A	B	C	D
DEPTH 5250	SIZE-WEIGHT				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	LENGTH				
BHST	GRADE				
BHLT	THREAD				
BHCT	CAPACITY				

NAME **Willard Lease Oil + Gas Drilling Co.**
AND **P.O. Box 548 Drilling Co.**
ADDRESS **Grand Junction Colorado**
ZIP CODE **81501**

MUD: TYPE	WT.	VISC.
TYPE		
DEPTH		
TYPE		
DEPTH		

SPECIAL INSTRUCTIONS **Mixt. @ surface cement to set plugs**
4# 5225-5075 70sks
2550-2400 70sks
2300-2200 40sks
1500-1425 30sks
10sks For Surface

TOOL	TYPE	DEPTH	TOOL	TYPE	DEPTH
<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	HEAD & PLUGS		SQUEEZE JOB		
SIZE 4"	<input type="checkbox"/> DOUBLE		TYPE		
WEIGHT 14#	<input type="checkbox"/> SINGLE		DEPTH		
GRADE	<input type="checkbox"/> SWAGE		TAIL PIPE: IN. FT.		
THREAD FH	<input type="checkbox"/> KNOCKOFF		PERF INTERVAL FT.		
<input type="checkbox"/> NEW <input checked="" type="checkbox"/> USED	TOP <input type="checkbox"/> R <input type="checkbox"/> W		TO		
DEPTH 5225	BOT <input type="checkbox"/> R <input type="checkbox"/> W		TO		
CAPACITY 56 bbls	OTHER		TO		

PRESSURE LIMIT PSI BUMP PLUG TO PSI MIN
 ROTATE RPM RECIPROCATE FT CENTRALIZERS NO

JOB SCHEDULED FOR TIME: **08:00** DATE: **2/18** ARRIVED ON LOCATION TIME: **08:10** DATE: **2/18** LEFT LOCATION TIME: **14:30** DATE: **2/18**

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
08:10					on Location Spot Equipment Rig Up Dowell
08:45					Safety Meeting
09:50			0	4	Pump 10 bbls water ahead of Cement
			10	4-5	Mix pump 14 bbls slurry at 15.8
			24	6	Displace with 2 bbls water + 50 bbls mud
			76	-	Shut Down Pull Drill Pipe
11:45			0	4	Pump 10 bbls water ahead of Cement
			10	4-5	Mix pump 14 bbls slurry at 15.8 lbs/gal
			24	6	Displace with 2 bbls water + 22 bbls mud
			48	-	Shut Down Pull Drill Pipe
2:05			0	4	Pump 10 bbls water ahead of Cement
			10	4-5	Mix pump 8 bbls slurry at 15.8 lbs/gal
			18	6	Displace with 2 bbls water + 19 bbls mud
			39	-	Shut Down Pull Drill Pipe
3:50			0	4	Pump 10 bbls water ahead of Slurry
			10	4-5	Mix pump 6 bbls cement at 15.8 lbs/gal
			16	5	Displace with 2 bbls water + 12 bbls mud
4:00			30	-	Plug Down Pull Drill Pipe Rig Down Dowell

MARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT./SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					VOL.	WT.
I.	210	114	Class G + 2% CaCl ₂		42	15.8
II.						
III.						

EAKDOWN FLUID WT. SACKS MIXED **210** PUMPED **210** PRESSURE MAX: MIN:

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

EAKDOWN PSI FINAL PSI CEMENT LEFT IN PIPE: **Now** FT.

SHED THRU YES NO TO FT MEASURED DISPLACEMENT WIRELINE AS PLANNED UNAVOIDABLE

PE OIL STORAGE BRINE/WATER CUSTOMER REPRESENTATIVE **Sam Harvey** DOES CUSTOMER CONSIDER SERVICE: SATISFACTORY UNSATISFACTORY UNKNOWN

LL GAS INJECTION WILDCAT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-33311

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Skyline 1A-S.W.

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE SE Sec 21 -T23S R21E S1M

1. OIL WELL GAS WELL OTHER DRY HOLE

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
SE SE Sec 21 T23S R17S1M
639' from E-line & 693' from S-line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4125'grd.; 4138' K.B.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

NOTICE OF INTENTION TO:

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)

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.)*

Oral approval received to abandon on 2/18/77 (see attached)

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

BIM in Moab, Utah has been notified.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

RECEIVED

MAR 14 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Lu Rhodes

TITLE

Mrs. Lu Rhodes Asst Sec

DATE

03/13/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

not approved - see letter dated 3/19/80

cc: State of Utah w/attachments

*See Instructions on Reverse Side

COPY



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

March 19, 1980

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

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

Gentlemen:

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

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

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

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

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

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

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

Willard Pease Oil and Gas Company
March 19, 1980
Page 3

In the future, please obtain State approval prior to the commencement of plugging operations. Please submit a detailed account of the plugging operations on the above referenced well as outlined in Rule D-2.

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

Sincerely,

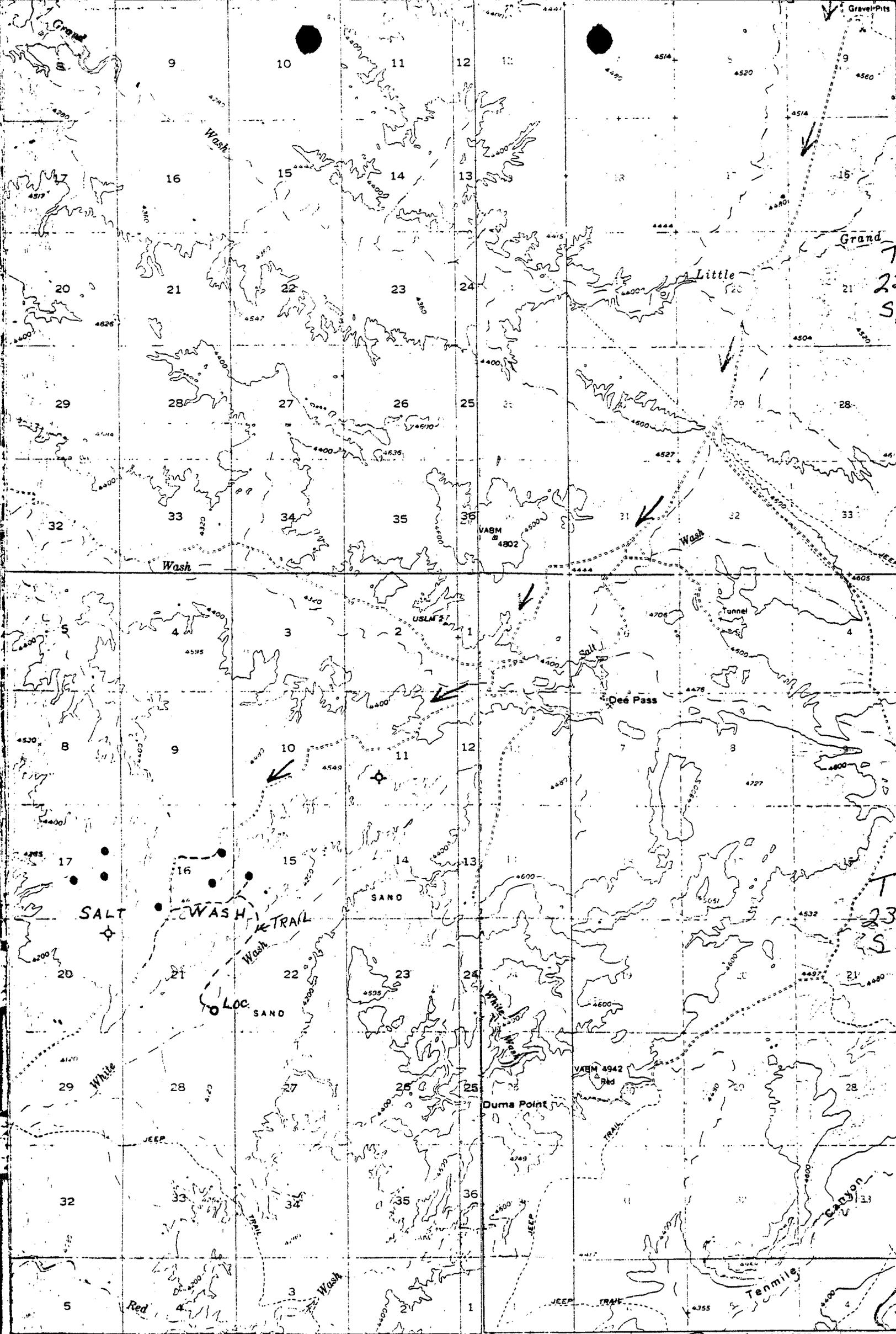
DIVISION OF OIL, GAS AND MINING

Original Signed By M. T. Minder

Michael T. Minder
Geological Engineer

MTM:btm

cc



INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. 20540-MS 586 (1000M E) 110°00'

R.17E. 440 000 FEET

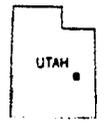
R.17E

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Map #

ROAD CLASSIFICATION
 Medium-duty ——— Light-duty ———
 Unimproved dirt - - - - -

Topography from aerial photographs by photogrammetric methods
 Aerial photographs taken 1955. Field check 1958



U. S. Route () State Route

Polyconic projection. 1927 North American datum
 10,000-foot grids based on Utah coordinate system, central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue

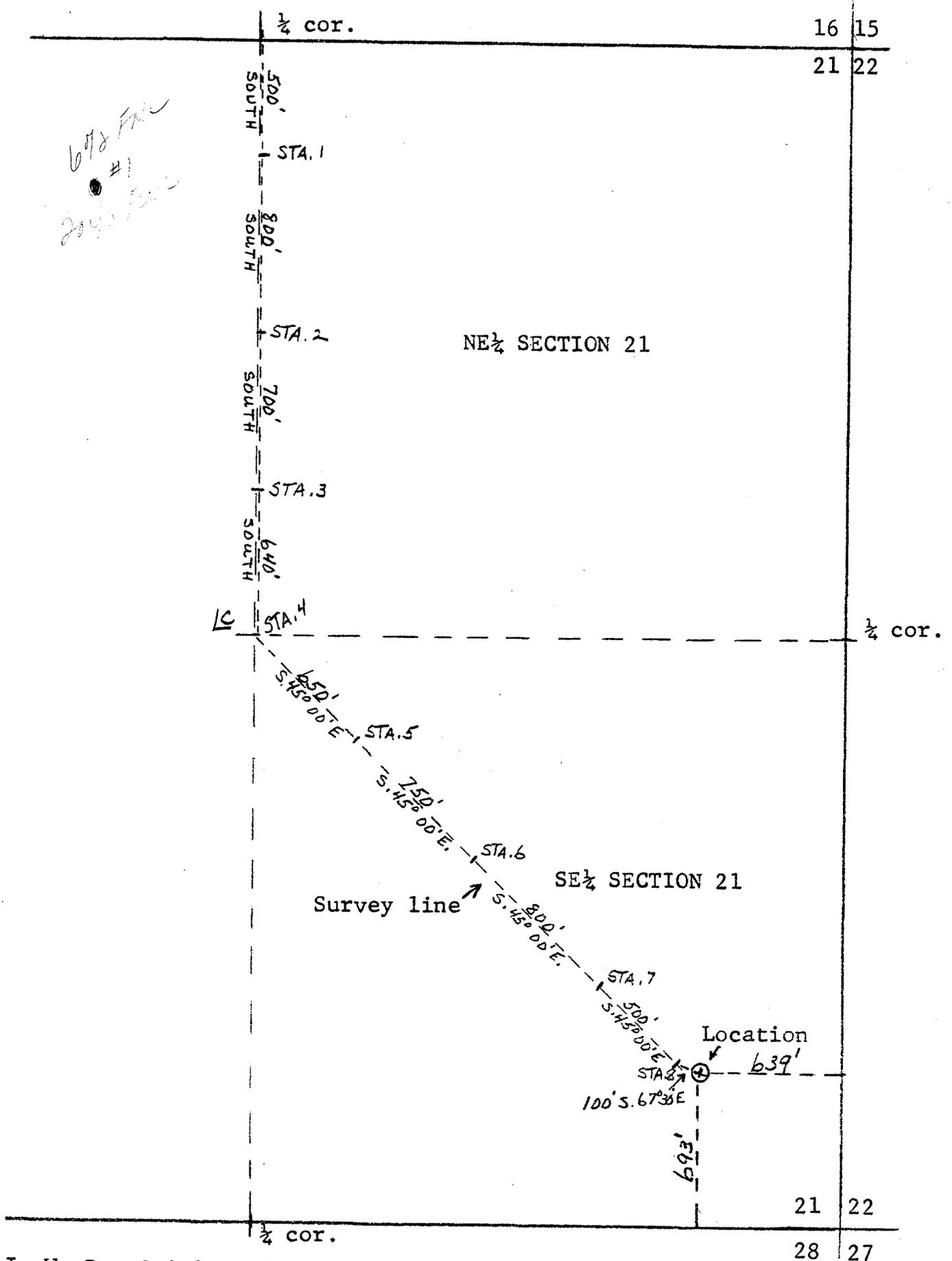
This area also covered by 1:24 000 scale maps, available
 in black and white only, of Tidwell 1 NE, Tidwell 1 NW,
 Tidwell 1 SW, and Tidwell 1 SE 7.5 minute quadrangles,
 surveyed 1953

Dashed land lines indicate approximate locations
 Unchecked elevations are shown in brown

GREEN RIVER, UTAH

TRUE NORTH
 MAGNETIC NORTH

LOCATION PLAT
FOR
WILLARD PEASE OIL & GAS CO.
SKYLINE #1A S.W.
SE. SE. SEC. 21-23S-17E
GRAND COUNTY, UTAH
Elev.: 4125' grd.



I, W. Don Quigley, do hereby certify that this plat was plotted from notes of a field survey made by me on Nov. 7, 1976.

W. Don Quigley

Scale: 1 in. = 600 ft.
Date: Nov. 10, 1976
Surveyed by: W. Don Quigley

PLAT #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33311

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

Skyline 1A-SW

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

SE SE Sec 21 T23S R21E
SIM

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL GAS WELL OTHER Dry hole

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
SE SE Sec 21 T23S R17E S1M

639' FEL & 693' from SL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4125' GRD; 4138' KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) SURFACE RESTORATION

(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.)*

Restoration work completed - Personnel from BLM, Moab, Utah, made on location inspection and stated no further work on this site was needed - Location blown over.

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

SIGNED Mrs. R. Rhodes

TITLE Ass't Secretary

DATE May 14, 1980

(This space for Federal or State office use)

ACCEPTED E. W. GUYNN

TITLE FOR DISTRICT ENGINEER

DATE MAY 20 1980

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

*See Instructions on Reverse Side

cc: State of Utah (trip)



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

July 14, 1982

Willard Pease Oil & Gas Co.
570 Kennecott Building
Salt Lake City, Utah 84133

hc
pls see if you can find this

Re: Well No. Federal Skyline #1A-SW
Sec. 21, T. 23S, R. 17E.
Grand County, Utah

Gentlemen:

In going through our records, we have found the "Well Completion Report" for the above well missing from our files. Could you please send this office another copy of it.

I would appreciate you taking the time to do this for me.

Thank You,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

* 901203 per Bfm/s.Y.
Spud- 12-19-76
Compl- 2-18-77
TD-8870'
PA'd 2-18-77 / Final Rehab 5-20-80.
YCR

RECEIVED

JUL 26 1982

DIVISION OF
OIL, GAS & MINING

RECEIVED JUL 20 1982