

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

William Harris

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

William Harris

9. Well No.

#4

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

SE 1/4, Sec. 27, T14N, R1E

12. County or Parrish

Cache

13. State

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

Warner Valley Oil Operations, Inc.

3. Address of Operator

243 Center 84103
3999 South 900 East Salt Lake City, Utah 84106

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface

1980' from South line and 600' from East line

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

1 mile East Northwest of Richmond, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)

16. No. of acres in lease

360.00

17. No. of acres assigned to this well

40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

1320'

19. Proposed depth

2,500 ft

20. Rotary or cable tools

Rotary w/air & mud

21. Elevations (Show whether DF, RT, GR, etc.)

4528 ft ground

22. Approx. date work will start*

2 July 1975

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 3/4"	7"	23 lb	100'	30 sacks circulated to surf.
6 1/4"			Total Depth (Don)	As needed to Protect Formation (Don)

CONTRACTOR? Jacobs Drilling Company, drilling with Jacobs rotating head, Regan 7" gas operated, balloon type, BOP Series 900 3,000 lb PSI

Primary Goal: To move toward mountains on east side of valley in an effort to get up and away from extremely thick clay beds found in #1 well that potential oil or gas might be found at shallower depths.

PLEASE CONSIDER THIS WELL CONFIDENTIAL

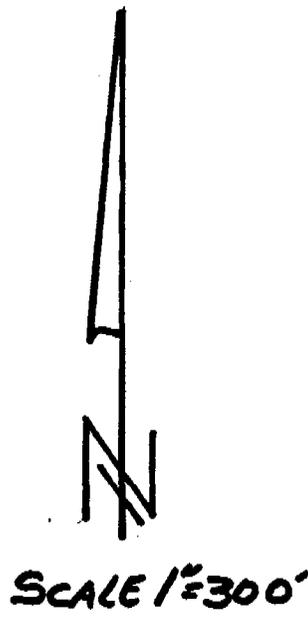
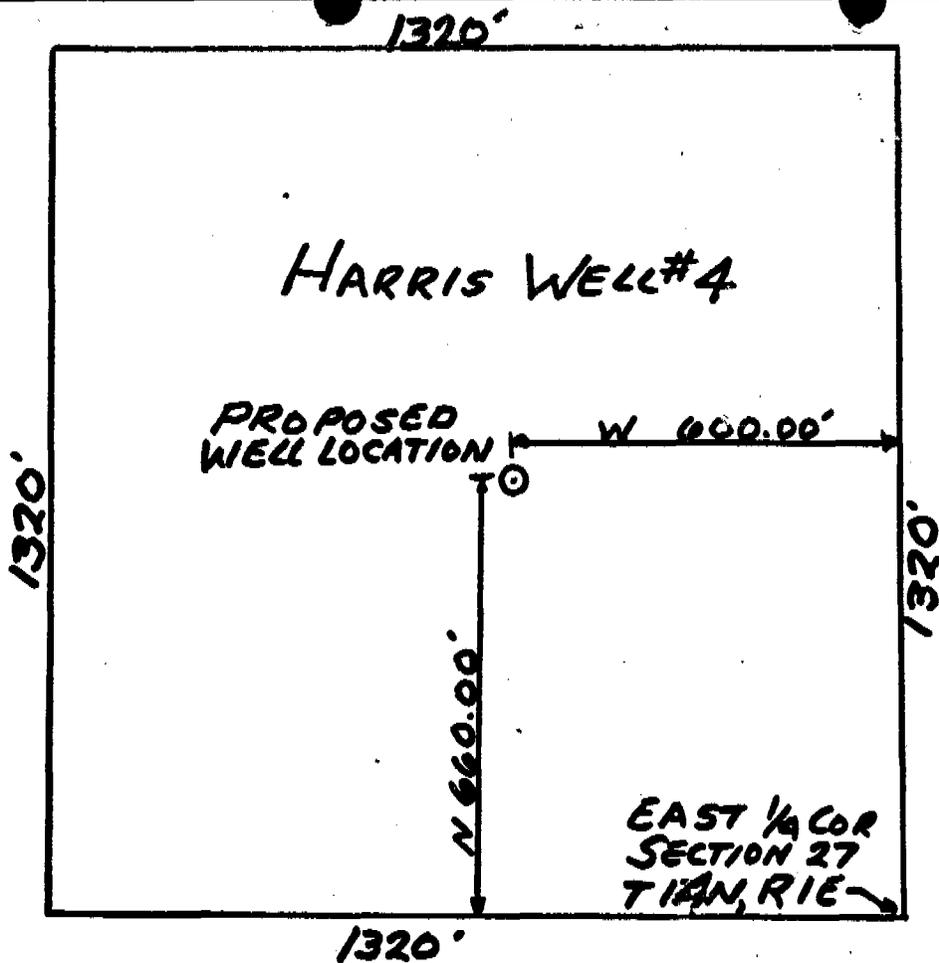
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed John E. Jacobs Title Secretary Date 30 June 1975

(This space for Federal or State office use)

Permit No. 43-005-30002 Approval Date

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



SURVEYOR'S CERTIFICATE

I, Erwin U. Moser, residing in Logan, Cache County, Utah, do hereby certify that I am a Registered Professional Engineer and Land Surveyor, that I have made a survey of a proposed well location at the request of Attorney Burton Harris, a representative of Warner Valley Oil Operations and described as follows:

The well is to located at a point which is North 660.00 feet and West 600.00 feet from the East $\frac{1}{4}$ Corner of Section 27, Township 14 North, Range 1 East of the Salt Lake Base and Meridian, said Township is located in Cache County, Utah.

I further certify that we have staked in the field the above described well.

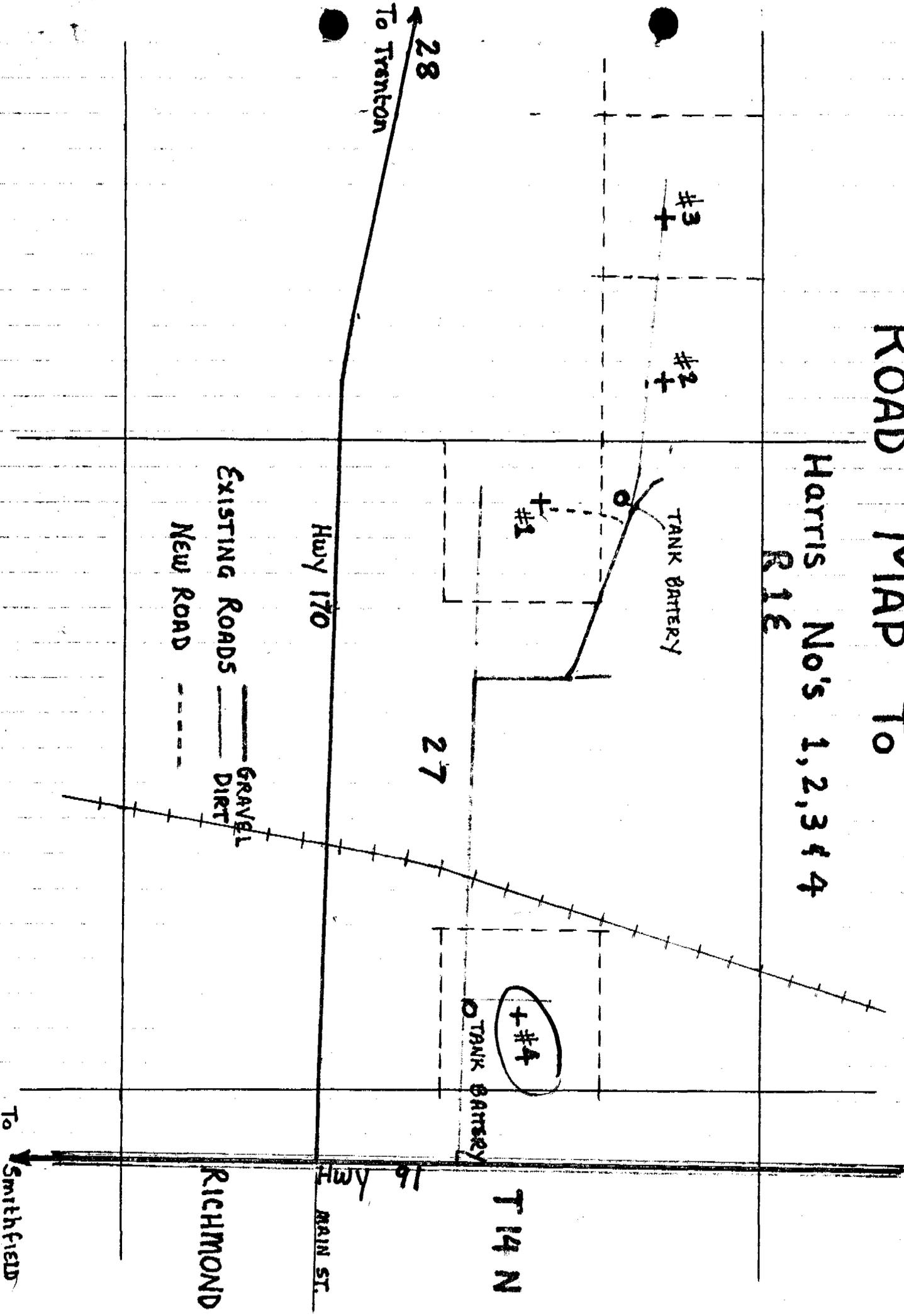
Erwin U. Moser

Erwin U. Moser, Professional Engineer and Land Surveyor, Certificate No.46, Utah.



ROAD MAP TO

HARRIS No's 1, 2, 3 & 4
R 1 E



EXISTING ROADS ——— GRAVEL
NEW ROAD - - - - - DIRT

Hwy 170

27

28

To Trenton

#3

#2

#1

TANK BATTERY

#4

TANK BATTERY

T 14 N

Hwy 19

MAIN ST.

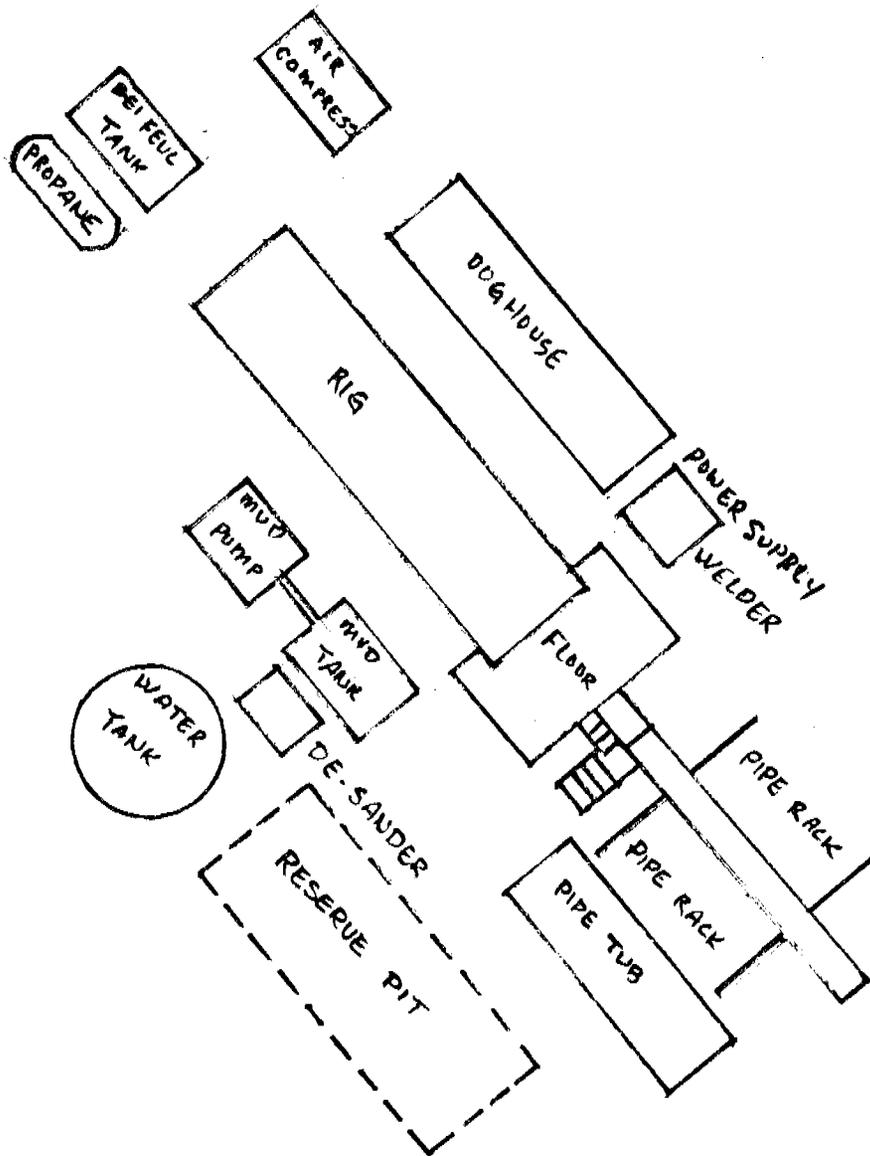
To Smithfield

RICHMOND

MAP of LOCATION

JACOBS DRILLING CO.

HARRIS # 4



JULY 1, 1975

MR. CLEON B FEIGHT, DIRECTOR
STATE OF UTAH DIVISION OF OIL & GAS CONSERVATION
1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116

DEAR SIR,

WARNER VALLEY OIL REQUESTS APPROVAL TO LOCATE
THE "HARRIS #4" IN THE CENTER OF THE SE 1/4 OF THE NE 1/4
OF SECTION 27, TOWNSHIP 14N, RANGE 1E, CACHE COUNTY,
UTAH.

THE "HARRIS #4" LOCATION IS PROGRAMMED TO TEST
THE TERTIARY SALT LAKE GROUP AGAINST THE WEST RICHMOND
FAULT. THIS IS AN OPTIMUM LOCATION WITH RESPECT
TO THE WARNER VALLEY OIL LEASE BLOCK. WARNER VALLEY
OIL HOLDS LEASES ON ALL LANDS IN THE SE 1/4 NE 1/4
OF SECTION 27-14N-1E, AND HAS THE APPROVAL OF ALL
LESSORS TO DRILL SAID LOCATION.

Sincerely yours,



BRUCE P. HILL
Independent Geologist

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: July 9, 1975
 Operator: J Warner Valley Oil
 Well No: William Harris #4
 Location: Sec. 27 T. 14N R. 1E County: Crocker

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

Checked By:

Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: [Signature]

Remarks:

Director: 7

Remarks:

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

Confidential

July 9, 1975

Warner Valley Oil Operations
3333 South 9 East
Salt Lake City, Utah 84106

Re: Well No. Harris #4
Sec. 27, T. 14 N, R. 1 E,
Cache County, Utah

Gentlemen:

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

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: 272-5813
OFFICE: 328-5771

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 43-005-30002.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FLIGHT
DIRECTOR

CBF:sw

July 17, 1975

MEMO FOR FILING

Re: Warner Valley Operations
Harris #4
Sec. 27, T. 14 N., R. 1 E.
Cache County, Utah

On July 16, 1975, an inspection was made of this drilling site. The well had reached a T.D. of 1750' and was shut-down at the time of the visit, while repairs were being effected to a bearing on the rotary table.

The location is in good condition and the contractor has held well-site use to a bare minimum.

Prior to the inspection, a call from the State Occupational Safety and Health Division, stated that the operator was carrying 1800 psi on the mud line. This was checked, and the gauge in question is a Cameron "Special Mud Gauge" and is difficult to read, unless one is familiar with its operations. A discussion with the driller, elicited the information that they were normally drilling with 150 to 200 psig circulating pressure. It may be that at the time of the inspection, the pressure was 180 psig, and due to the peculiar manner in which this type of gauge is marked, it may have been misread as 1800 psig. A further check of the mud relief valve indicated, that it is set at 600 psig.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY

STATE OF UTAH
DIVISION OF OIL & GAS CONSERVATION
DEPARTMENT OF NATURAL RESOURCES

PLUGGING PROGRAM

NAME OF COMPANY Warner Valley
WELL NAME Harris #4 API NO: _____
Sec. _____ Township _____ Range _____ County _____

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 3157'

Casing Program: 6 1/4" hole
surface casing at 370'
w/ cement to
surface

Formation Tops:

Valley Fill - Surf.
Shut hole - 20' $\frac{5}{8}$
TD

Plugs Set as Follows:

base of shoe, surface casing
Displace in mud below shoe, 15' in + out of
shoe

Clear location, no marker at request of
surface owner -

Program by, Bruce Hill, Geologist

Date: 7-30-75 Signed: Acheru

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. William Harris	
2. NAME OF OPERATOR Warner Valley Oil Operations, Inc		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 3333 South 900 East Salt Lake City, Utah 84106		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 3300 ft from South line and 750 ft from East line		8. FARM OR LEASE NAME William Harris	
14. PERMIT NO.		9. WELL NO. Harris #4	
15. ELEVATIONS (Show whether DP, RT, OR, etc.) 4528 ft ground		10. FIELD AND POOL, OR WILDCAT Wildcat	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., E., M., OR BLEK. AND SURVEY OR AREA SE 1/4, Sec. 27, T14N, R1E	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Cache	
18. I hereby certify that the foregoing is true and correct		13. STATE Utah	

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

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

Well drilled to a total depth of 3157 ft with NO significant porosity between bottom of surface casing and that point. Upon instruction from your office a cement plug was set at the bottom of the surface casing extending 25 ft both ways.

Activity suspended with plugging of well 7-30-75

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

SIGNED

John Jacobs

TITLE

Secretary

DATE

16 August 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

August 29, 1975

Mr. John E. Jacobs
Warner Valley Operations, Inc.
3333 South 900 East
Salt Lake City, Utah 84106

Re: Well No. Harris #4
Sec. 27, T. 14 N, R. 1 E,
Cache County, Utah

Dear Mr. Jacobs:

This office has recently received your application to abandon the above well as it presently exists. We are denying the application for the following reasons:

It was requested by your representative that this well would be temporarily abandoned for a relatively short period of time. It was agreed that a plug in the bottom of the surface casing would suffice until operations were resumed for drilling this well deeper.

If it is now your intention to permanently abandon this well and thus release your bond, it will be necessary to furnish us with copies of the electric logs run on this well, or in lieu of this, a detailed geologic analysis of the cuttings taken. At that time, an approved plugging program will be issued.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/sw

Mr. John E. Jacobs
Warner Valley Operations, Inc
3333 South 900 East
Salt Lake City, Utah 84106

Re: Harris # 4
SE 1/4 NE 1/4 Sec. 27
T14 N R1E
Cache County, Utah

Dear Mr. Jacobs,

This office has recently received your application to abandon the above well as it presently exists. We are denying this application for the following reason.

It was requested by your representative that this well would be temporarily abandoned for a relatively short period of time. It was agreed that a plug in the bottom of the surface casing would suffice until operations were resumed for drilling this well deeper.

If it is now your intention to permanently abandon this well and thus release your bond, it will be necessary to furnish us with copies of the

electric logs run on this well, or
in lieu of this, a detailed geologic
analysis of the cuttings taken. At
that time, an approved plugging program
will be issued.

Sincerely yours

PW



CALVIN L. RAMPTON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
April 20, 1976

OIL, GAS, AND MINING BOARD

GUY N. CARDON
Chairman

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

Warner Valley Oil Operations

~~Mr. John E. Jacobs~~ 243 Center

~~3333 South 900 East~~

Salt Lake City, Utah ~~84106~~

84103

Re: Well No. Harris #4
Sec. 27, T. 14N, R. 1E
Cache County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK



STATE OF UTAH CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

P1 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [x] Other []

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

2. NAME OF OPERATOR Warner Valley Oil Operations, Inc.

3. ADDRESS OF OPERATOR P.O. Box 7265 Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 3,300 ft from South line and 750 ft from East Line At top prod. interval reported below At total depth Same

14. PERMIT NO. 43-005-30002 DATE ISSUED July 9, 1975

5. LEASE DESIGNATION AND SERIAL NO. William Harris

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME William Harris

9. WELL NO. Harris #4

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE1/4NE1/4, S27,T14N, R1E

12. COUNTY OR PARISH Cache 13. STATE Utah

15. DATE SPUNDED 7-3-75 16. DATE T.D. REACHED 7-29-75 17. DATE COMPL. (Ready to prod.) No Production 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3157 td 19. ELEV. CASINGHEAD 4528 ft. ground

20. TOTAL DEPTH, MD & TVD 3157 td 21. PLUG, BACK T.D., MD & TVD 25 ft both ways from bottom of surface casing 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY all 24. PRODUCING INTERVAL(S), BY THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Welex--Induction Electric & Linear Neutron Compensated Density 27. WAS WELL CORRED No

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

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 10 1/4" Cndtor and 7 inch surface casing.

29. LINER RECORD and 30. TUBING RECORD tables with columns for SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD).

31. PERFORATION RECORD (Interval, size and number) none 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. table with columns for DEPTH INTERVAL (MD) and AMOUNT AND KIND OF MATERIAL USED.

33.* PRODUCTION table with columns for DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, 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 logs and geological data

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED John & Jacoba TITLE Sec. Treas. DATE 30 April 1976

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

May 11, 1976

Mr. John E. Jacobs
Warner Valley Operations, Inc.
3333 South 900 East
Salt Lake City, Utah 84106

Re: Well No. Harris #4
Sec. 27, T. 14 N, R. 1 E,
Cache County, Utah

Dear Mr. Jacobs:

The above mentioned well site was inspected and found to be in a satisfactory condition and properly marked.

Therefore, insofar as this office is concerned, approval is hereby granted to release liability under your bond.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

cbf;sw

was abandoned due to severe caving in the upper part of the hole.

A four-page handwritten memorandum entitled, "Some Notes On The Oil & Gas Possibilities Of The Richmond Area, Cache County, Utah" was prepared for Mr Theron Mitchell and submitted on July 2, 1975.

The rig was moved approximately [REDACTED] to the [REDACTED] of section [REDACTED] to the Harris #4 location (Plates 4, 6). Harris #4 was spudded on July 3, 1975, and reached a total depth of 3157 on July 29, 1975, without encountering any significant showings of oil or gas or reservoir rocks. A 540' thick section of zeolite beds, of possible economic significance, were found in the interval 2125 to 2665. Welox electrical and neutron-density logs were run on July 30, 1975, and the well was subsequently abandoned due to lack of funds to continue drilling.

Both wells were drilled without use of a drilling rate penetration recorder, gas detection equipment or an ultra violet light box. On July 31, 1975, Mr. Theron Mitchell of Seagull International Ltd. requested that the undersigned prepare a geological report, as had been previously requested, on the Richmond area of Cache Valley, Utah.

PURPOSE OF STUDY

The purpose of this study is to determine the advisability of further oil and gas exploration efforts in the Cache Valley area of Utah on the part of Seagull International Ltd.

SCOPE AND CONDITIONS OF STUDY

This study involved the attaining and perusal of as many data on

REFERENCE: U.S.G.S.

12 Point Program

- 1, 2 & 4 See road map submitted
3. Not applicable
5. Shown on road map
6. Land owner proposes to hook into water storage tank with sprinkler line.
7. Cuttings will be put into a reserve pit. Garbage will be buried and trash will be burned.
8. No drill campsite as such will be needed.
9. Not applicable
10. Seperate location map submitted.
11. Surface will be restored according to desires of farmer to protect his cultivated land.
12. The loation is bareley off a farm road running north and south approximately 200 yards north of county road running east and west coming off of hyway 91 to the west $\frac{1}{4}$ mile north of blinking yellow light in Richmond, Utah. The loation rests in a alfalfa field which is flat. No cut of fill needed.