

Phone ~~52692~~ 52692

called Mr West & gave approval to drill

Ref copy of 9/1/60 3/2/60
of 2-

All logs reproduced by Knight-Condley (including Form 3) on 9-16-60. (Paid for Redrains)

10100
7500
2600
1200
3800

FILE NOTATIONS	
Entered in NID File	<input checked="" type="checkbox"/>
Entered On S R Sheet	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>
IWR for State or Fee Land	<input type="checkbox"/>
Checked by Chief	<input checked="" type="checkbox"/>
Copy NID to Field Office	<input checked="" type="checkbox"/>
Approval Letter	<input checked="" type="checkbox"/>
Disapproval Letter	<input type="checkbox"/>
COMPLETION DATA:	
Date Well Completed	5-31-60
OW	WW TA
OW	OS <input checked="" type="checkbox"/>
Location Inspected	<input checked="" type="checkbox"/>
Bond released	<input checked="" type="checkbox"/>
State of Fee Land	<input type="checkbox"/>
LOGS FILED	
Driller's Log	5-4-60
Electric Logs (No. 1)	<input checked="" type="checkbox"/>
E	<input checked="" type="checkbox"/>
E-I	<input checked="" type="checkbox"/>
GR	<input checked="" type="checkbox"/>
GR	<input checked="" type="checkbox"/>
MI-L	<input checked="" type="checkbox"/>
Sonic	<input checked="" type="checkbox"/>
Others	<input type="checkbox"/>

CRW
5-14-91

~~Band~~

no band filled

6-23-59

STORE NO

McDonnott Well Co. Street #1

DATE	<i>D 3-27-61</i>
PROMISED	
SALESMAN	

Responsibility for loss or damage limited to cost of film before exposure

Chgo
 NAME *State Oil & Gas Comm.*
 ADDRESS *310 Newhouse Bldg-*

	NO	SIZE
ROLLS	<i>1</i>	<i>620</i>
NEGS		
PRINTS EACH	<i>1</i>	

DEVELOPING
 PRINTS
 ENLARGEMENTS
 SIZE _____

NO	PRICE
	<i>1.80</i>
	<i>1.50</i>
	<i>1.95</i>
TAX	<i>0.</i>
TOTAL	

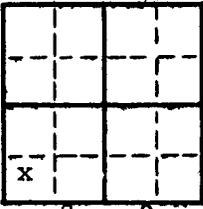
INSTRUCTIONS



KODAK FILM



Camera Depts. in
 Utah—Salt Lake City, Ogden, Provo Idaho—Idaho Falls



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
State.....
Lease No. 4814.....
Public Domain.....
Lease No.
Indian.....
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... June 22, 19 59.
Well No. 1 is located 703 ft. from {N/S} line and 686 ft. from {E/W} line of Sec. 2.
SW/4 Sec. 2 T. 43 S. R. 8 W. SLB. & M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Mt. Carmel Area Kane Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is feet. To be furnished later.

A drilling and plugging bond has been filed with State of Utah, Oil & Gas Conservation Commission

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

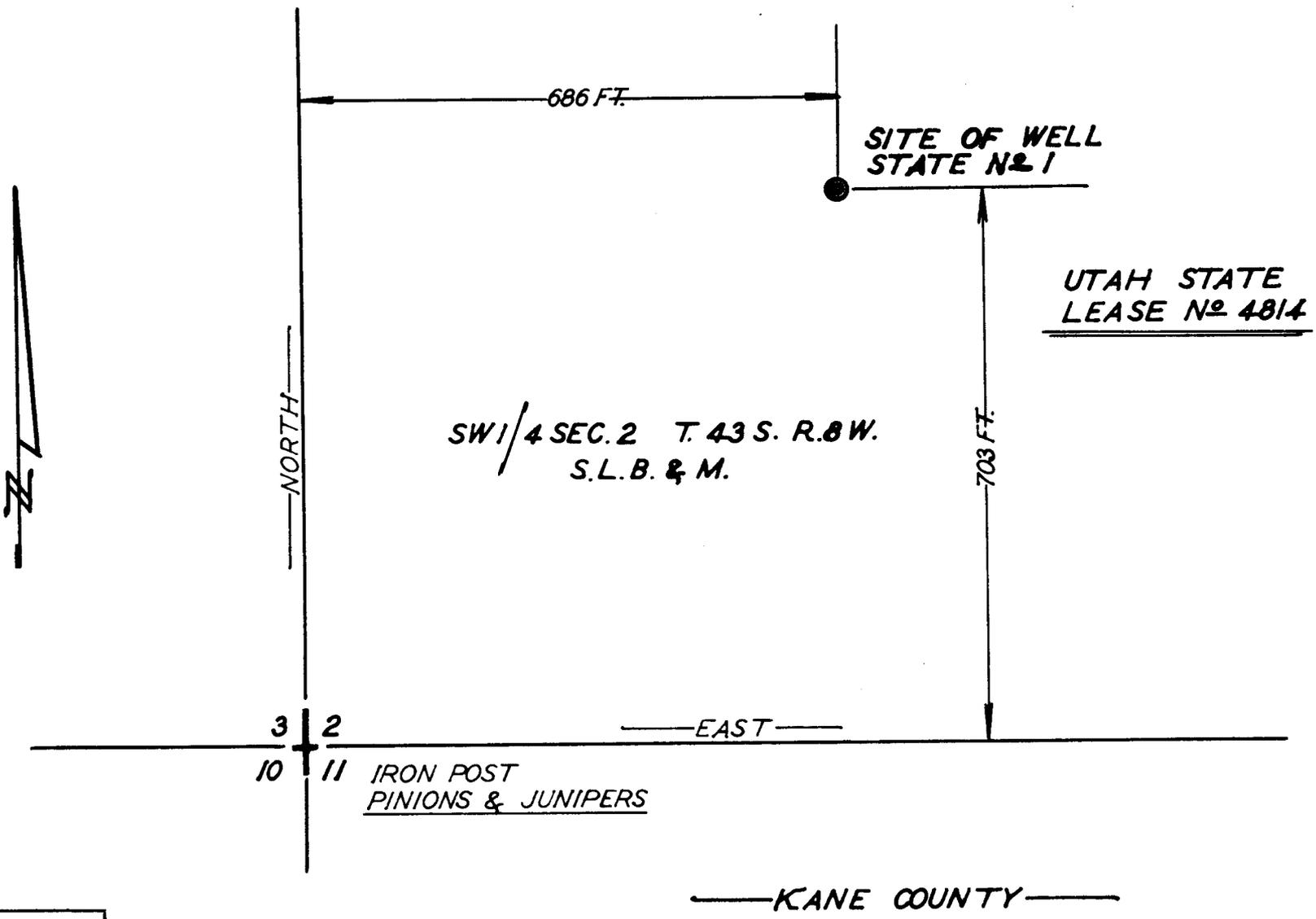
We propose to drill State No. 1 Mt. Carmel in the following manner:

- Set a minimum of 1200' of 13-3/8" O.D. casing, cemented to surface;
- Drill 12-1/4" hole to approximately 4800', coring and testing all oil and gas shows encountered; set intermediate casing of 9-5/8" OD casing w/200 sx as required;
- Drill 8-3/4" hole or reduced hole as necessary to test all zones to the Cambrian or approximately 11,000 feet, coring and testing all shows.
- Electric surveys will be run at total depth and prior to setting intermediate casings.
- Air drilling will be attempted as far as practical.
- If commercial production is encountered, 7" casing will be run and cemented with a minimum of 200 sx of cement.
- All work to be done in conformity with Conservation Commission and U.S.G.S. Rules and Regulations.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company.....J. Ray McDermott & Co., Inc.....
Address.....920 Petroleum Club Building.....
.....Denver 2, Colorado.....
By *John F. Binkley*
John F. Binkley
Title.....Production Superintendent.....

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.



RALPH B. PLATT
 REGISTERED ENGINEER AND LAND SURVEYOR

J. RAY McDERMOTT & CO.
OIL DRILLING LOCATION

DATE: MAY 6 / 59

SCALE: 1 IN. TO 200 FT.

WESTERN KANE CO. — UTAH

June 25, 1959

J. Ray McDermott & Co., Inc.
920 Petroleum Club Building
Denver 2, Colorado

Attention: John F. Binkley,
Production Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. State 1, which is to be located 703 feet from the south line and 686 feet from the west line of Section 2, Township 43 South, Range 8 West, SLEM, Kane County, Utah.

Under the terms of your mineral lease you are required to file a bond with the State Land Board. Therefore, we cannot approve the drilling of this well until the bond is on file.

As soon as the State Land Board has notified this office that the bond has been filed, approval will be granted for the drilling of the above mentioned well.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board
105 State Capitol Building
Salt Lake City 14, Utah

COPY

VIA AIRMAIL

June 29, 1959

The State of Utah
State Land Board
Salt Lake City 14, Utah

Attention: Mr. C. R. Henderson, Chairman

Re: Bond of Lessee under State of Utah Oil
and Gas Lease No. 4814

Gentlemen:

We have, simultaneously herewith, this day forwarded to Mr. James M. Blake, agent for Traveler's Indemnity Company, Salt Lake City, Utah, Lessee's Bond, as required in the State of Utah Oil and Gas Lease No. 4814. This bond is in connection with the well we propose to drill on this lease as soon as we have met all State of Utah requirements, including this bond.

For your information, our agent in Utah who will sign all necessary State required forms in connection with the drilling location, etc., is Mr. John F. Binkley, Aikens Lodge, Kanab, Utah.

Yours very truly,

J. RAY McDERMOTT & CO., INC.

By 
William G. Love

WGL:cmc

cc: / The State of Utah
Oil and Gas Conservation Commission
Salt Lake City, Utah
Attention: Mr. Cleon B. Feight

Mr. John F. Binkley
Aikens Lodge
Kanab, Utah

COPY

Special Delivery
Certified Airmail
Return Receipt Requested

June 29, 1959

Mr. James M. Blake, Manager
Traveler's Indemnity Company
175 South Main Street
Salt Lake City 11, Utah

Re: Bond of Lessee under State of
Utah Oil and Gas Lease #4814

Dear Sir:

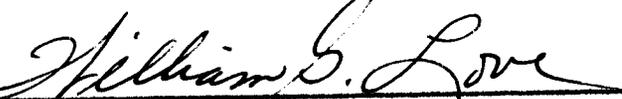
Enclosed herewith you will find the original Lessee Bond in the amount of Five Thousand Dollars (\$5,000.00) made by this company and the Traveler's Indemnity Company, in favor of the State of Utah, as Lessor, under State of Utah Oil and Gas Lease #4814. This bond has been executed on behalf of the Traveler's Indemnity Company and the corporate seal affixed thereto, as well as by this company as principal. The State Bond requirement required that the bond also be signed by a resident Traveler's agent in the State of Utah. Therefore, it would be appreciated if you would execute this bond in the space provided for Resident Agent and immediately upon having done so, see that the same is delivered to the State Land Board there in Salt Lake City. It would also be appreciated if you would confirm with us delivery of this bond by wiring us collect at the time the same is delivered and the name of the officer to whom the same is delivered.

If you have any questions concerning your role in this matter, kindly get in touch, by telephone, with Mr. R. R. McKay of Adams & Porter, Cotton Exchange Building, Houston 2, Texas.

By copy of this letter, which is being transmitted to the Utah Oil and Gas Conservation Commission, as well as the Utah State Land Bond, we are asking that as soon as this bond is delivered and has been approved as to form or is by chance rejected, that some official with these two departments wire the writer collect in regard to the action taken upon this bond.

Yours very truly,

J. RAY McDERMOTT & CO., INC.

By 
William G. Love

WGL:cmc

cc: John F. Binkley, Kanab, Utah
Adams & Porter, Houston,
Att'n: R. R. McKay
✓ The State of Utah Oil & Gas Conservation Commission,
Salt Lake City, Utah
The State of Utah State Land Board, Salt Lake City, Utah,
Att'n: C. R. Henderson, Chairman

July 1, 1959

J. Ray McDermott & Co. Inc.
920 Petroleum Club Building
Denver 2, Colorado

Attention: John F. Binkley,
Production Superintendent

Gentlemen:

With reference to my telephone conversation of this date with Mr. West of your office, please be advised that verbal approval to drill Well No. State 1, 703 feet from the south line and 686 feet from the west line of Section 2, Township 43 South, Range 8 West, SLEB, Kane County, Utah, is hereby confirmed.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Please take note that should it become necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

H. G. HENDERSON, Petroleum Engineer
Office: Moab, Utah - Alpine 3-2176
Home: Moab, Utah - Alpine 3-2706

C. B. FEIGHT, Executive Secretary
Office: Salt Lake - DA 2-4721, Ext. 438 or DA 8-0701.
Home: Salt Lake - EL 5-3629.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: State Land Board

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

M/H
8-24

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILDCAT - MT CARMEL AREA

The following is a correct report of operations and production (including drilling and producing wells) for
31 JULY, 1959

Agent's address 920 PETROLEUM CLUB BLDG Company J RAY McDERMOTT & Co Inc
DENVER 2, COLORADO Signed *John S Wiley*

Phone ACOMA 2-5694 Agent's title DIV PROD SUPT

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
<i>SW-SW-2</i>	<i>43S</i>	<i>8W</i>	<i>1</i>	<i>DRG</i>				<i>TD 1012 - FISHING FOR DRILL COLLARS. SPUDDED 11:00 AM 7-18-59 SET 20" OD 78.60' SMLS CASING @ 60' KB w/3cu yd JOB COMP 9:00 PM 7-18-59.</i>

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

FILE IN DUPLICATE

W

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 State Capitol Building
 Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILDCAT MT. CARMEL AREA

The following is a correct report of operations and production (including drilling and producing wells) for

31 August, 1959

Agent's address 920 PETROLEUM CLUB BLDG. Company J. RAY McDERMOTT & CO., INC.

Denver 2, Colorado

Signed *John Wiley*

Phone AC 2-5694

Agent's title Division Production Superintendent

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW-SW Sec. 2	43S.	8W.	1	Drlg.				TD 1841 - 15" hole fishing for stuck pipe. Set 16" OD 65# H casing @ 969 KB W/ 540 sx cement. Lost returns while cementing. Cemented around top of casing w/192 sx. 16 August.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
 SI-Shut In D-Dead
 GI-Gas Injection TA-Temp. Aban.
 WI-Water Injection

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILDCAT - Mt CARMEL AREA

The following is a correct report of operations and production (including drilling and producing wells) for

30 SEPTEMBER, 19 59

Agent's address 920 PETRO CLUB BLDG
DENVER 2, COLORADO

Company J RAY Mc DONNITT & Co Inc

Signed John Bickley

Phone A.C. 2-5692

Agent's title DIR PROD SECT

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
<u>Sec - Sec</u> <u>Sec 2</u>	<u>435</u>	<u>86</u>	<u>1</u>	<u>DRILL</u>				<u>Lost Circulation,</u> <u>to 2301 - Drilling of</u> <u>lost circulation.</u> <u>Set 13 3/8" OD 48# &</u> <u>54.5# SMLS CASING</u> <u>@ 1809 KB w/</u> <u>300 SF CEMENT 9-15-59</u>

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 State Capitol Building
 Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILDCAT - MT CARMEL AREA

The following is a correct report of operations and production (including drilling and producing wells) for

31 OCTOBER, 1959

Agent's address 920 PETRO CLUB BLDG
DENVER 2, COLORADO

Company J RAY McDERMOTT & CO INC

Signed [Signature]

Phone AC 2-5694

Agent's title DIU PROD SUPT

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
<u>SW-SW</u> <u>Sec 2</u>	<u>43S</u>	<u>8W</u>	<u>1</u>	<u>DRLG</u>				<u>5459'</u>
<div style="border: 1px solid black; width: 80%; margin: 0 auto; padding: 5px;"> <p style="margin: 0;">" CONFIDENTIAL "</p> </div>								

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
 SI-Shut In D-Dead
 GI-Gas Injection TA-Temp. Aban.
 WI-Water Injection

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 State Capitol Building
 Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILCOAT Mt CARMEL AREA

The following is a correct report of operations and production (including drilling and producing wells) for
30 NOVEMBER, 1959

Agent's address 920 PETR CLUB BLDG
DENVER 2, COLO
 Phone AC 25694

Company VIRAY McDERMOTT & Co, Inc
 Signed [Signature]
 Agent's title PROD Supt

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW-SW Sec 2	43S	8W	1	DRUG				TD 8765 WOC SET 9 5/8" OD CASING AT 5456 W/ 500 SX 11-1-59 SET 7" OD LINER 5280 to 8765 W/ 400 SX 50-50 POZ MIX 4% Gel & 25 th Gilsomite 12-1-59
<u>CONFIDENTIAL</u>								

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
 SI-Shut In D-Dead
 GI-Gas Injection TA-Temp. Aban.
 WI-Water Injection

J. RAY McDERMOTT & CO., INC.

DRILL STEM TEST REPORT*

Lease UTAH STATE Well No. 1 Field Wildcat Date 12-8-59

DST No. 1 Interval Tested 8907 ' to 9057 '. T.D. of Well 9057 ' I.D. of hole of interval tested 6 ". State whether top packer (or packers) or straddle packers run Straddle . Amount of water cushion None . Minimum I.D. (or choke) of tool _____ ". Minimum I.D. (or choke) at top _____ ". Size Drill Pipe 4 1/2 "

Name of test tool HONCO . Time tool opened 200 PM .

Remarks - such as when gas, water cushion, or any fluid reaches surface. List any top choke changes or shut-in time to hook-up flow line, etc. Also, list checks of gas flow or fluid flow rates.

Kind of Blow and/or Top Flow Pressure, psig

Time

Time	Kind of Blow and/or Top Flow Pressure, psig	Remarks
<u>3 minute initial</u>	<u>blow - very weak</u>	<u>(Probably temperature differential trying to equalize)</u>

45 min. initially
Time tool closed 60 " final . Time tool open 90 Min. . State whether pulled tool wet or reversed out Wet . Recovered 11' fresh water with rainbow

(report water cushion and/or formation fluid recovered in number feet in drill pipe and also in bbls.) Initial flow BHP 13-17 psig. Maximum built-up flow BHP 13-17 psig. Maximum 60 Min. minute shut-in BHP 50 psig. Hydro mud pressure 387 psig.

REMARKS: (if any, give estimated amount of mud that entered drill pipe in attempts to open tool. Give gravity and temp. of oil recovered. Give salinity of formation water recovered. Report any other pertinent data.)

Note: If clean oil or oil-cut mud or oil and water recovered, always obtain a 5 gal. sample in closed container.

*Packer(s) set in open hole.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State UTAH County KANE Field or Lease WILD CAT MICHAEL PROR

The following is a correct report of operations and production (including drilling and producing wells) for

31. December, 1959.

Agent's address 920 PETS CLUB BLDG Company J. RAY McDERMOTT + CO. INC

DENVER 2, COLO Signed A. J. MAINE

Phone HC. 25674 Agent's title SUP

State Lease No. 4814 Federal Lease No. _____ Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW-SW SEC 2	435	8W	1	DRY				T.D. 10.5.03 Fishing 3 1/2 D.P.
<u>"CONFIDENTIAL"</u>								

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

CONFIDENTIAL

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: --The method and procedure for plugging a well shall be as follows:

- (a) 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 in either event, a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud-laden fluid.
- (e) 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.

Field or Pool WILDCAT County KANE
 Lease Name UTAH STATE Well No. 1 Sec. 2 Twp. 43S R. 8W
 Date well was plugged: January 31, 1960.

Was the well plugged according to regulation of the Commission: Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing).

TD 10,503 Laid 20 sx cement plug in 6" open hole from 9071-9171 (5" OD 15# N-80 liner from 8674 to 9071). Set Baker CI Bridge plug in 5" liner @ 8950 Set Baker CI Bridge plug in 5" liner @ 8860 with 10 sx cement plug on top of bridge from 8860 to 8760 (7" OD 32# N-80 Liner from 5280 to 8765) Set Baker CI Bridge plug @ 8315 w/13 sx cement plug fr 8315 to 8265 (9 5/8 OD 36# J-55 Casing from surface to 5456 left intact) Laid 46 sx cement plug in 9 5/8" casing from 100' to surface.

Operator J. RAY McDERMOTT & CO., INC.
 Address 920 Petroleum Club Building
Denver 2, Colorado

AFFIDAVIT

STATE OF ~~UTAH~~ COLORADO
COUNTY OF DENVER

Before me, the undersigned authority on this day personally appeared John F. Binkley, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

Subscribed and sworn to before me this 6th day of April, 1960
My Commission Expires: October 29, 1963.

Sturley Stearns
NOTARY PUBLIC

INSTRUCTIONS: Complete this form, in duplicate, and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol Building, Salt Lake City 14, Utah.

J. RAY McDERMOTT & Co., INC.

OIL DIVISION
920 Petroleum Club Building
Denver 2, Colorado

May 3, 1960

Oil & Gas Conservation Commission
State Capitol Building
Salt Lake City 14, Utah

Gentlemen:

I am enclosing the Oil and Gas Conservation Commission Log as requested, for our State No. 1 Section 2-43S-8W, Kane County, Utah. I am also enclosing Electrical and Radioactivity Logs for the well.

Would you please approve the carbon copy of the log and return it to us for our files.

Very truly yours,

J. RAY McDERMOTT & CO., INC.

W. E. West
W. E. West

WEW:fc
Encls.

Confidential
REC'D MAY 4 1960

Mr. Feight

THE STATE OF UTAH
STATE LAND BOARD
SALT LAKE CITY, UTAH

June 2, 1960

Your Lease U-1272

Re: Mineral Lease No. 4814

J. Ray McDermott & Co., Inc.
Houston Club Building
Houston, Texas

Attention Mr. Fred C. Luce
Land Department

Gentlemen:

I have your letter of May 18, 1960, in which you advise that the well drilled on the premises of the captioned lease was plugged and abandoned on January 31, 1960. We have not had opportunity to examine the site and cannot certify to your surety that the abandonment is satisfactory.

We do not feel that we can or should exonerate the surety when a well has been abandoned in such a way that an examination of the site reveals no violation of the terms of the lease. We are quite willing, under these circumstances, to advise the surety what our investigation discloses, and we feel the surety cannot, in good conscience, continue to charge premium on the bond if all the evidence is that the risk is so minimal as to be non-existent.

It seems to us that the surety could accept your statement as to the proper abandonment of the well subject to our later report. We do not consider that our report of an apparently satisfactory abandonment should exonerate the surety in the event of later discovery of defect.

Very truly yours,

FRANK J. ALLEN
DIRECTOR

FJA:AT
CG:CGGG

CASING RECORD

<u>Size Csg.</u>	<u>Wt./Ft.</u>	<u>Threads/Inch.</u>	<u>Make</u>	<u>Amount</u>	<u>Shoe</u>	<u>Pulled</u>
		N		60		
20"	78.60#	None	Smls	60.00	None	None
16"	65	8 Round	Spang	969	Larkin Float	"
13-3/8"	48	8 Round	Spang	1118.03	Baker Float	"
13-3/8"	54.50	8 Round	Spang	692.98	Baker Float	"
9-5/8"	43.50	8 Round	National Tube	171.40	HOWCO Super	"
9-5/8"	36	8 Round	Spang	2928.07	HOWCO Super	"
9-5/8"	40	8 Round	Spang	1506.35	HOWCO Super	"
9-5/8"	43.50	8 Round	National Tube	849.96	HOWCO Super	"
7"	32	8 Round	Spang	3463.69	Brown Oil Tool	"
5"	15	X-Line	Spang	397	Brown Oil Tool	"

MUDDING & CEMENTING RECORD

<u>Size Csg.</u>	<u>Where Set</u>	<u>No. Sacks Cement Used</u>	<u>Method</u>
20"	60'	10	Pump
16"	969	540	Pump
13-3/8"	1809.00	300	HOWCO
9-5/8"	5455.56	500	HOWCO
7"	8765.00	400 50/50 Poz mix & 4% Gal 25# Gilsonite/Sack	HOWCO
5"	9067	50 sx 50-50 Pozmix	HOWCO

SHOOTING RECORD

1-22-60

Perf. 9052-56, 9042-46, 9030-34, 9018-24, 8990-9002, 8986-78, 8972-68. Set packer @ 8959'. Acid w/3500 gal. of double x acid Initial breakdown pressure 2900#, put acid away at 3½ bbls./min. final pressure 3400#.

1-24-60

Swab down to 5400'. Fluid level standing there. Swabbing acid water. 75 bbls. to recover, have recovered 40 bbls. to date. (150-200 bbls. wtr.?).

1-26-60

Perf. 8881-8915' w/4 shots 1 ft. Spotted 9 bbls. acid - set packer at 8867'. Breakdown increased 1 bbl./min. to 4 bbls./min. Pressure increased from 1800#-3400# and broke back to 1900# when flush started at 6.2 bbls./min. After 15 min. shut in, well went on vacumm. Used 2000 gal. of double x acid.

1-27-60

Swabbing at 8700'. Fluid standing at 6500' to 7000', unable to swab down. Swabbed approximately 140 bbls. fluid. Have recovered 40 bbls. of formation fluid which is fresh water with slight acid taste.

1-28-60

Swabbed until 5:00 AM - fluid standing at 6500'-7000'. Swabbing fresh water. Have now swabbed 270 bbls. of which 190 bbls. is formation fluid. Released BOT packer - now pulling out of hole.

1-29-60

Set bridge plug @ 8860'. Perf. 8390'-8408', 8382-8388', 8368-72', 8340-62'. Ran Brown BP-4-7" packer and spotted 18 bbls. of acid and set packer @ 8314'. Formation broke down @ 1000# and broke to 0# @ 1 bbl./min. Increased rate to 5.2 bbls./min. and pressure went to 2100# and held there. After shut in well went on vacumm. Started swabbing, found fluid level @ 2000'. Now swabbing from 7000' and have swabbed 20 bbls. to 8:00 AM Fluid level standing @ 6000'.

J. RAY McDERMOTT & CO., INC.
UTAH STATE #1
SW SW Sec. 2 43S-8W
Kane Co., Utah

SAMPLE DESCRIPTION

- 0-970 Sandstone - large to coarse, angular to subrounded unconsolidated frosted and clear quartz grains.
- 970-1012 Sandstone - as above with some shale - red, sandy, soft some calcite.
- 1012-1153 No returns.
- 1153-1420 Sandstone and shale interbedded. Sand is pink to orange, medium to very fine, angular to rounded, clear and frosted quartz grains, slightly calcareous. Shale is red, sandy, silty soft.
- 1380-1420 Siltstone - sandy, very fine grained, pink to orange, slightly calcareous.
- 1420-1465 Sandstone - silty and very fine, pink to orange.
- 1465-1470 Sandstone - as above with shale streaks - red, silty to slightly sandy.
- 1470-1850 Sandstone - large to medium clear and frosted, angular quartz grains. Occasional streaks of red, silty shale.
- 1850-1890 No returns.
- 1890-1910 Sandstone - coarse to fine grained, rounded to angular to subangular, frosted, slightly calcareous.
- 1910-2000 Shale - red, very silty to sandy, slightly calcareous.
- 2000-2115 Sandstone - brick red, very silty to medium grains, slightly calcareous.
- 2115-2215 Sandstone - coarse to medium grained, with white to frosted rounded to subangular grains of quartz, red color.
- 2215-2240 Sandstone - as above but becomes shaly.
- 2240-2430 Sandstone - medium to coarse grained, frosted, rounded to subangular quartz grains, slightly calcareous, red color.
- 2430-2650 Sandstone - red, medium to fine grained, very shaly, slightly calcareous.
- 2650-2670 Shale - gray, black, slightly calcareous, silty, has gilsonite on fractures has good cut in C cl4.
- 2670-2715 Sandstone - tan, yellow mottled, coarse to fine grained, slightly calcareous. Has good cut and flu.

- 2715-2940 Sandstone - as above and red, silty to sandy shale.
- 2940-3080 Shale - brown, slightly calcareous silty with gray-green shale inclusions.
- 3080-3135 Shale - silty, red and green interbedded, waxy appearance, some anhydrite.
- 3135-3140 Limestone - thin bedded, white to buff, finely xln to dense.
- 3140-3190 Shale - silty, red and green interbedded, waxy appearance, some anhydrite.
- 3190-3260 Shale - as above but with some red and purple.
- 3260-3490 Shale - red, orange, silty and some dark gray soft waxy bentonite.
- 3490-3560 Shale - red, gray maroon, green, some soft bentonite, mottled, slightly calcareous.
- 3560-3610 Sandstone - white, medium to coarse grained, soft, dirty, poor p-p, asphalt residue in matrix.
- 3610-3810 Shale - red, gray, maroon, green, some soft bentonite, slightly calcareous. Few limestone streaks - hard, dense white, gray.
- 3810-3842 Sandstone - fine grained to silty, brown and gray, hard, limy.
- 3842-3865 Core #1.
- 3842-3894 Sandstone - gray, fine grained, rounded grains, soft, slightly calcareous, gilsonite specks.
- 3865-3894 Sandstone and shale interbedded. Sand as above. Shale - red, brown, hard.
- 3894-3944 Core #2.
- 3894-3944 Sand and shale interbedded. Sand - gray and brown, fine rounded grains, soft slightly calcareous, wet.
- 3944-4080 Sand and shale - as above.
- 4080-4470 Shale - brown, very silty to sandy, soft, slightly bentonitic, calcareous, with interbedded gray shale beds.
- 4470-4520 Shale - as above with white anhydrite and gypsum.
- 4520-4575 Shale as above but an increase in gypsum.
- 4575-4590 Limestone - gray, dense, hard, silty to sandy, with some black specks.
- 4590-4595 Limestone - as above with silty shale, brown, calcareous, some bentonite.

- 4595-4740 **Sahle - brown, wilty, calcareous, soft, with white anhydrite and an occasional lime bed as above.**
- 4740-4845 **Shale - as above but an increase in gypsum and anhydrite.**
- 4845-4995 **Limestone - gray-tan, dense, hard, poor p-p, slightly arenaceous, some mottled.**
- 4995-5045 **Limestone - tan, white, gray, dense, hard, crystalline, silty, much white chert.**
- 5045-5210 **Limestone - as above but very little chert.**
- 5210-5345 **Limestone - light gray to white, sandy to silty, hard, dense, crystalline, slightly mottled, some black specks.**
- 5345-5365 **Anhydrite - white, dense to crystalline, much clear to translucent gypsum.**
- 5365-5380 **Anhydrite as above with thin limestone beds - gray, tan, dense, hard, crystalline.**
- 5380-5545 **Anhydrite - as above.**
- 5545-5610 **Limestone - tan, dense, crystalline, much interbedded anhydrite - white dense, poor p-p.**
- 5610-5620 **Anhydrite - white, dense, hard.**
- 5620-5830 **Limestone - tan, dense, crystalline hard, poor p-p.**
- 5830-5855 **Sandstone - tan, medium grained, subangular quartz grains.**
- 5855-6470 **Siltstone - brown, dark red, argillaceous - arenaceous, slightly calcareous.**
- 6470-6650 **Sandstone - white, tan, medium to fine grained, shaly in places, some clear and translucent chert, angular to subangular grains.**
- 6650-6665 **Sandstone - silty, pink, tan fine grained.**
- 6665-6700 **Sandstone - white, tan, medium to fine grained, shaly in places, some clear and translucent chert, angular to subangular grains.**
- 6700-6790 **Sandstone and silt - as above.**
- 6790-7210 **Siltstone - red and tan, to fine grained sand.**
- 7210-7280 **Siltstone - red, soft, sandy, some white and pink, soft limestone.**
- 7280-7505 **Shale - red, hard, silty to slightly sandy.**
- 7505-7580 **Shale - red, hard.**
- 7580-7643 **Limestone - gray, hard, dense, vertical fractures.**

7643-7646 Core #3.

7643-7646 Rec. 3' Lime - hard, dense, highly vertical fractures, no show.

7646-7820 Lime - as above.

7820-7830 Lime - as above. Slight show of oil in samples 7820-7830. Good cut in C cl₄, streamers of flu emitted under UV light. Oil streamers could be detected being desolved under mike.

7830-8070 Lime - as above - no show.

8070-8080 Anhydrite - white, dense, hard and lime as above.

8080-8110 Lime - light gray, some white, hard, dense.

8110-8120 Lime - as above - much chert.

8120-8215 Lime - as above.

8215-8260 Lime - as above and hard, red shale.

8260-8280 Lime - as above.

8280-8345 Lime - white and brown, hard, dense, no visible p-p, slight stain, some flu, good cut in C cl₄.

8345-8351 Core #4. No recovery.

8351-8356 No returns.

8356-8366 Core #5.

8356-8366 Recovered 2 feet Lime - hard, dense, vertical fractures, oil stained throughout, good odor, fair flu, good cut, tight. Core analysis laboratory set the gravity of the oil at 28°-32° API.

8366-8425 Lime- as above but stain, flu and cut become very good.

8425-8440 Lime - hard, dense, buff, very slight show.

8440-8455 Lime - as above, no show.

8455-8470 Lime - as above, some red shale.

8470-8510 Lime - as above, no shale.

8510-8555 Lime - as above - much red shale.

8555-8605 Lime - as above, no show, some sand with clear quartz grains and some red shale.

8605-8610 Shale - red, hard, silty to very slightly sandy.

8610-8670 Lime - hard, dense, gray to buff, no show some maroon shale.

- 8670-8695 Lime - white to light gray, hard, dense.
- 8695-8700 Shale - red, hard, very slightly sandy to silty.
- 8700-8765 Lime - white to light gray, hard, dense, no show.
- 8765-8900 N.R.
- 8900-8910 Limestone - dense, siliceous, hard, slightly arenaceous, white-tan-brown, tight, good odor, cut, taste and white flu under UV light.
- 8910-8990 Limestone - dense, brown-tan, hard, siliceous with some black specks tight, good cut and white flu good taste.
- 8990-9040 Limestone - as above, fair cut and flu.
- (Note: 24 hours after exposure to atmosphere there was no show in the above samples.)
- 9040-9060 No return.
- 9060-9084 Limestone - as above, very weak flu with good cut, dull yellow.
- 9084-9096 Cored interval. Core #6 cut 12', recovered 12'.
- 9084-9085 Limestone - dense hard, siliceous, crystalline, tight, dull gold flu and slight cut some carbanaceous material.
- 9085-9086 Limestone - dense, hard, siliceous, crystalline, tight with hair line fractures and vertical fractures.
- 9086-9087 Limestone - as above, but with vertical and horizontal fractures.
- 9087-9088 Limestone - as above.
- 9088-9089 Limestone - as above.
- 9089-9090 Limestone - dense, hard, siliceous, crystalline, tight, with some vugs $\frac{1}{4}$ ", with hair line fractures and vertical and horizontal fractures.
- 9090-9091 Limestone - dense, hard, siliceous, strongly crystalline, calcite in fractures.
- 9091-9092 Limestone - dense, hard, siliceous, crystalline, tight, very slight show.
- 9092-9093 Limestone - as above.
- 9093-9094 Limestone - as above.
- 9094-9095 Limestone - as above.
- 9095-9096 Limestone - as above.

NOV 1 1960

- 9096-9160 Limestone - tan-brown, dense, tight, hard, no flu with good cut dull yellow.
- 9160-9300 Limestone - light gray-tan, dense, crystalline, hard, tight, no flu with good cut dull yellow.
- 9300-9320 Limestone - brown, dense, crystalline, hard, tight, no flu with good cut.
- 9320-9450 Limestone - light gray, dense, crystalline, arg., hard, tight, as above.
- 9450-9500 Limestone - 75% as above and shale green-gray, slightly micaceous, hard, glauconetic 25%, perhaps interbedded shale and limestone. Bright Angle shale ? @ 9445. Limestone tan, dense, hard, tight, interbedded shale green, micaceous, partly glauconetic.
- 9500-9620 Limestone - tan, dense, mottled, argillaceous, crystalline.
- 9620-9630 Shale - as above.
- 9630-9850 Limestone - as above.
- 9850-9900 Limestone and shale interbedded.
- 9900-9920 Shale increase.
- 9920-10050 Limestone and shale interbedded, as above.
- 10050-10110 Limestone - very silty, very argillaceous, brown, muddy appearance. Shale, as above.
- 10110-10345 Quartzite - hard, calcareous, laminated, brown-gray, micaceous, shale, as above.
- 10345-10420 Quartzite - hard, slightly calcareous, rusty brown-pink, translucent-clear, gritty, vitreous, arkosic in places with shale, green, glauconetic, platy stringers.
- 10420-10460 Quartzite - hard, clear, vitreous, translucent, white-pink, coarse-medium grained, gritty, shale, green, very glauconetic, with some micaceous platy.
- 10460-10503 Schist - hard, dark gray to greenish, platy, micaceous and quartzite as above.

T.D. 10,503'.

1000

August 3, 1960

J. Ray McDermott Company, Inc.
920 Petroleum Club Building
Denver 2, Colorado

Gentlemen:

On July 28, 1960, Mr. Harvey L. Coonts, our petroleum engineer in Moab, Utah, visited the abandoned location of your Well No. State 1, located in Section 2, Township 43 South, Range 8 West, SLBM, Kane County, Utah. Mr. Coonts' inspection revealed the following work that needs to be done to the location:

1. All junk in area should be cleaned up
2. The pits should be dried out and leveled
3. The rat hole should be filled
4. The name of the well and operator and the location should be bead-welded on the marker.

We request that you take the necessary action at your earliest convenience.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT
CHIEF ENGINEER

RLS:co

cc: Mr. Coonts - Moab

G C Bonaham
Kaneb, Utah

f Ray Mc Demitt

February 4. 2318

County's C um Bank





FILLMORE STATE BANK
40 SOUTH MAIN STREET
FILLMORE, UTAH



CLEON B. OR VERA FREIGHT
3707 FOREST HILLS DR.
SALT LAKE CITY, UTAH

AWH

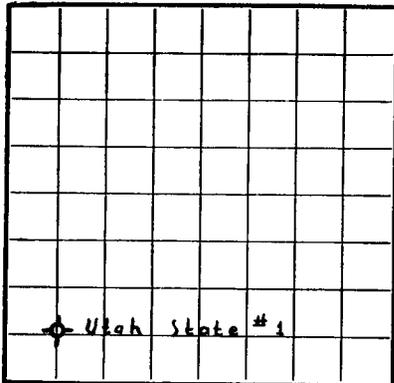
151

Form OGCC-3

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

Filed May 1960
SEP 6 1960



LOCATE WELL CORRECTLY

To be kept Confidential until September 30, 1960
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company J. Ray McDermott & Co., Inc. Address 920 Petroleum Club Bldg., Denver, Colo.

Lease or Tract: _____ State _____ Field Wildcat State Utah

Well No. 1 Sec. 2 T. 43S. R. 8W. Meridian Salt Lake County Kane

Location 703 ft. ^[N.] of S. Line and 686 ft. ^[E.] of W. Line of Section 2 Elevation 6430 est.
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed William E. West

Date May 3, 1960 Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling July 18, 1959 Finished drilling January 31, 1960

OIL OR GAS SANDS OR ZONES SHOWS

(Denote gas by G)

No. 1, from 2650 to 2720 No. 4, from _____ to _____
No. 2, from 8280 to 8425 No. 5, from _____ to _____
No. 3, from 8900 to 9100 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from Surface to 2400 No. 3, from _____ to _____
No. 2, from 5755 to 5782 No. 4, from _____ to _____

CASING RECORD SEE ATTACHED

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	

MUDDING AND CEMENTING RECORD SEE ATTACHED

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD SEE ATTACHED

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Surface feet to 10,503' feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

....., 19..... Put to producing, 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Fred Hope....., Driller J. L. Murphy....., Driller
Earnie Penrod....., Driller Clem Gillespie Toolpusher, ~~DRILLER~~

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION Tops, E. Log
SAMPLE	DESCRIPTION ATTACHED		Formation Tops
			Navajo Surface to 2375
			Chinle 2375
			Shinarump 3313
			Moenkopi 3560
			Virgin Lime 4587
			Kaibab Lime 4845
			Toroweap 5315
			Coconino 5757
			Hermit 5780
			Queantoweap 6404
			Mississippian 7540
			Devonian 8425
			Cambrian 8796
			Bright Angel 9836
			Tapeats 10,062
			Pre-Cambrian 10,335
			T.D. 10,503
			Tops are from Electric and Gamma Ray Logs

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

WAYNE D. CRIDDLE
STATE ENGINEER

October 27, 1960

Mr. Cleon Feight, Executive Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Re: Ground Water - Kane County

Dear Mr. Feight:

I recently had the opportunity to review the log of the hole drilled by J. Ray McDermott & Co. in Section 2, T. 43 S., R. 8 W, and noted the mention of important water sands at two intervals -

Surface to 2,400 feet

5,755 feet to 5,782 feet

A note on the Driller's Log states that information regarding the casing record, cementing record, and sample descriptions are attached. This data did not accompany the copy of the Driller's Log which we received, and I will appreciate knowing if the information is on file in your office and can be made available to us.

Sincerely yours,

Francis T. Mayo
Francis T. Mayo, Chief
Water Resources Branch

FTM:ej

Mailed Mr. Mayo copies of this information on Nov. 7, 1960

January 4, 1961

**J. Ray McDermott Company, Inc.
920 Petroleum Club Building
Denver 2, Colorado**

Gentlemen:

By letter dated August 3, 1960, we advised you that the location of your abandoned Well No. State 1, Section 2, Township 43 South, Range 8 West, S13M, Wayne County, Utah, had not been properly cleaned up and marked. To date we have not been notified if this work has been accomplished. If you have properly cleaned and marked the location, please advise us so we can inspect it. If the location has not been cleaned, please advise us when you intend to accomplish this work.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

**ROBERT L. SCHMIDT
CHIEF PETROLEUM ENGINEER**

RLS:co

**cc: HLC - Moab Office
State Land Board
State Capitol Bldg.
Salt Lake City, Utah**

Copy to HC

J. RAY McDERMOTT & CO., INC.

OIL DIVISION
HOUSTON CLUB BUILDING
HOUSTON, TEXAS

March 7, 1961

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention: Mr. Robert L. Schmidt

Re: No. 1 State, Sec. 2-43S-8W
SEEM, Kane County, Utah

Gentlemen:

The above location will be cleaned up, the pits dried out and leveled, the rat hole filled and the name of the well will be bead-welded, as you have requested. We have made arrangements to have this done as soon as the snow clears in the area and weather permits. The Contractor will contact you as soon as he has completed the work. We will make every effort to do this work to your satisfaction.

Yours very truly,

J. RAY McDERMOTT & CO., INC.

By R. P. Haddox
R. P. Haddox

RPH:mk

March 8, 1961

G. C. Bonham
Kanab, Utah

Dear Sir:

J. Ray McDermott & Company, Inc. has advised us that they plan to clean up the location of their abandoned well # 1 State, located in Sec. 2, T. 43 S, R. 8 W, SLBM, Kane County, Utah. Our engineer in Moab, Utah inspected this location on March 2, 1961 and reported the following work needs to be accomplished. (1) Clean up all junk in the area. (2) Dry out and level the pits. (3) Fill in the rat hole. (4) Bead-weld the name of the well, operator, and the location on the abandonment marker.

Will you please advise us when you have accomplished the required work so we can again inspect the location and approve the release of the drilling bond.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT
CHIEF PETROLEUM ENGINEER

RLS:KP

April 21, 1961

State Land Board
State Capitol Building
Salt Lake City, Utah

Gentlemen:

On Wednesday, April 19, 1961, I visited the abandoned location of the J. Ray McDermott and Company, Inc., Well #1 State, Sec. 2, T. 43 S., R. 8 W., S1E4, Kane County, Utah. Mr. G. C. Bonham, who had recently cleaned and leveled this abandoned location accompanied me. The location has been properly cleaned and an abandonment marker has been installed. Insofar as this office is concerned, the drilling and plugging bond for this well may be released.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ROBERT L. SCHMIDT
CHIEF PETROLOGICAL ENGINEER

RLS:kp

cc: J. Ray McDermott & Co., Inc.
Houston Club Building
Houston, Texas

G. C. Bonham
Kanab, Utah

25 January 1963

Mr. Max C. Gardner
Director
Utah State Land Board
Salt Lake City, Utah

Dear Mr. Gardner:

As outlined to you in our telephone conversation today, The Geotechnical Corporation is under contract to the Department of Defense to make records of seismic disturbances in connection with the Department's VELA-UNIFORM Program. A part of this program involves the utilization of seismometers placed in deep holes such as abandoned oil or gas wells and cased dry holes. A well that appears particularly suited to this program is J. Ray McDermott #1 State, C SW SW Section 2, T 43 S, R 8 W, Kane County Utah, located on State lands under your jurisdiction.

We have been in touch with the McDermott organization and their Exploration Department has furnished us with much technical data on the well. Their management advises us that their oil and gas lease expired by its own terms on January 1, 1961; is quite agreeable with them for us to utilize the hole and such casing as remains in it for the purposes stated above.

The well is fully cased to a depth of approximately 9060 feet; in utilizing it our program contemplates moving on a drilling rig, drilling out cement plugs to an approximate depth of 8700 feet, completing the well, moving off the rig, filling the pits and restoring the surface to its present condition. (Our cleanout and re-entry operations will be conducted by permission of and in accordance with the regulations of the Utah Oil and Gas Conservation Commission.) Our instruments will be lowered in the hole on electrical cables. A surface recording station, consisting mainly of a house trailer and a small (6' x 8' x 5') aluminum building for the purposes of housing the instrumentation, will be located near the well head. A power generator will furnish electricity and the installation will be in continuous operation, staffed by several seismologists. We expect to operate in this well and make records for an initial period of several months.

Mr. Max G. Gardner
25 January 1963
Page 2

Because of the nature of the program, it may be necessary that we continue our operations for a considerably extended period, depending on the results achieved. Because of the location of the well in the center of a 40 acre tract, and the arrangement of our surface recording system and connecting cables, this 40 acres will be entirely adequate for our purposes.

Kindly consider this our request for a special-purpose lease on the 40 acres known as the SW/4 SW/4 Section 2, T 43 S, R 8 W, Kane County Utah, for a period of 5 years, to become effective as soon as possible, with an option for renewal for an additional 5 years, with The Geotechnical Corporation as lessee. It is our understanding that there is no oil and gas lease in force on the land at this time, but that an existing grazing lease covers this and other lands, and that your office will contact the grazing lessee for his approval. Our check for \$42.00 is tendered herewith covering \$40.00 advance rental for the first year, and \$2.00 filing fees.

We are anxious to complete the arrangements for the well at the earliest possible moment; your assistance and cooperation are sincerely appreciated.

Very truly yours,

THE GEOTECHNICAL CORPORATION

T. G. Brown
Geologist

TGB/pjc
encl
bcc: B. R. Yeager

1963 JAN 25 MAIL