

3-23-67 Ha! Quine could this date,  
stating that he now has the Bond for  
this will

Rhone - 328-9774

# Sub Report of Abandonment

## REMARKS

Entered in NID File:

Checked by Chief AWB

Entered On S R Sheet: \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Location Map Pinned: \_\_\_\_\_

Approval Letter

Card Indexed

Disapproval Letter \_\_\_\_\_

IWR for State or Fee Land \_\_\_\_\_

### COMPLETION DATA:

Date Well Completed 4-4-67

Location Inspected \_\_\_\_\_

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Band \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

State of Fee Land \_\_\_\_\_

### LOGS FILED

Driller's Log 4-10-67

Electric Logs (No. ) NLR

E \_\_\_\_\_ I \_\_\_\_\_ E.I. \_\_\_\_\_ GR \_\_\_\_\_ GR.N. \_\_\_\_\_ Micro \_\_\_\_\_

Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

(DW) 10-31-90

February 8, 1967

McKinnon Enterprises  
1222 South Main Street  
Salt Lake City, Utah

Att: Malcolm M. McKinnon

Dear Sir:

This will acknowledge receipt of your letter of February 6, 1967 concerning your intention to extend oil and gas lease ML 8681 beyond its extended term by drilling an oil and gas exploration well on lands included in this lease.

Our records indicate that oil and gas lease ML 8681 includes the W $\frac{1}{2}$  and W $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 32, T. 20 S., R. 24 E., SLM. The term of this lease has been extended to March 31, 1967 by partial assignment approved April 5, 1965.

You indicated in your letter that it is your intention to further extend the term of this lease by commencing drilling operations upon the leased lands and by conducting drilling operations on the normal expiration date of said lease. Before any drilling operations are commenced you should satisfy the requirements of the Utah Oil and Gas Conservation Commission as to spacing, location, etc. You must also file an oil and gas drilling bond with this office in the amount of \$5,000.00. I am enclosing a supply of bond forms for your use.

It has been the practice of this office in the past to have a representative from this office visit the site of drilling operations of any well which will extend the term of a lease. I will therefore plan to visit the location of your test sometime on the afternoon of March 31, 1967 if you proceed with your planned well. Please inform this office of the time your well will be spudded or of any change in your plans.

If there is any further information which you desire please let us know.

Yours very truly,

DONALD G. PRINCE  
ECONOMIC GEOGRAPHER

DGP:sl

Encl: Rules and Regulations

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

5. LEASE DESIGNATION AND SERIAL NO.

ML-8681

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

none

7. UNIT AGREEMENT NAME

none

8. FARM OR LEASE NAME

none

9. WELL NO. *General Pile Development Well*

Armeda #1.

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 32, T 20 S, R 24 E, SIM

12. COUNTY OR PARISH

Grand Cty.

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

Malcolm N. McKinnon (Phone 328-0851)

3. ADDRESS OF OPERATOR

1222 So. Main St., Salt Lake City, Utah 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface 2300' east of the W. line, and 310' so. of the N. line, of Sec. 32, Twp. 20 So., R 24 East, SLB&M. At proposed prod. zone *NE, NE, NW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approx. 7 miles s.e. of Cisco, Utah.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. *see #4 above*

(Also to nearest drig. line, if any)

16. NO. OF ACRES IN LEASE

-400-

17. NO. OF ACRES ASSIGNED TO THIS WELL

-10-

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

none on this lease.

19. PROPOSED DEPTH

-400 ft. or more

20. ROTARY OR CABLE TOOLS

Rotary

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

Approx. 4485 GR

22. APPROX. DATE WORK WILL START\*

Mar. 31st or sooner.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6"	Surface Csg 7" od		90' or more	Approx; 145 sacks.

*good luck*

Drill new hole, using Blow-out Preventer.

*test program*

*43-019-20206*

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

*Malcolm N. McKinnon*

TITLE

Lease holder.

DATE

Mar. 16, 1967

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

March 17, 1967

Mr. Malcolm N. McKinnon  
1222 South Main Street  
Salt Lake City, Utah 84101

Re: Well No. Armeda State #1  
Sec. 32, T. 20 S., R. 24 E.,  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with the Order issued in Cause No. 102-5, November 2, 1964. However, this approval is conditional upon a surveyor's plat being furnished this office in accordance with Rule C-4(a). This approval is also conditional upon a bond being filed with the State Land Board.

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

PAUL W. BURCHELL, Chief Petroleum Engineer  
HOME: 277-2890 - Salt Lake City, Utah  
OFFICE; 328-5771

This approval terminates within 90 days if this well has not been spudded-in within said period.

Enclosed please find Forms OGCC-8-X, which are to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing these forms will be greatly appreciated.

March 17, 1967

The API number assigned to the Armeda State #1 Well is 43-019-20206. (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

GBF:cnp

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

W. O. Arns, Chief Location Engineer  
Utah State Department of Highways  
State Office Building  
Salt Lake City, Utah

Re: Malcolm N. McKinnon  
Well No. Armeda State #1  
310' FNL & 2300' BWL, NE NE NW  
Sec. 32, T. 20 S., R. 24 E.,  
Grand County, Utah

Dear Mr. Arns:

Approval to drill the above mentioned well has been granted this date.

Would you please advise this Commission immediately if the well location is on or in close proximity to any highway which the Department of Highways intends to construct in the near future.

Thank you for your cooperation in this matter.

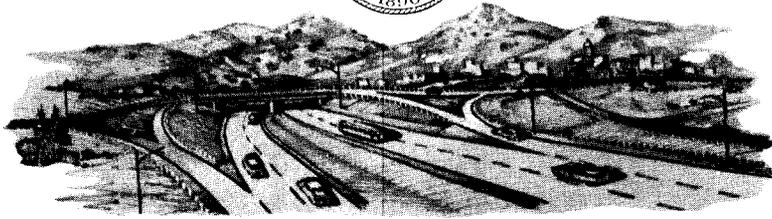
Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE DIRECTOR

CBF:cnp

DIRECTOR  
HENRY C. HELLAND



STATE HIGHWAY ENGINEER  
BLAINE J. KAY

## Utah State Department of Highways

State Office Building

Salt Lake City, Utah 84114

March 23, 1967

Mr. Cleon B. Feight, Executive Director  
Oil and Gas Conservation Commission  
348 East South Temple, Suite 301  
Salt Lake City, Utah 84111

Subject: I-70-4( )211 - Whitehouse to North Cisco

Re: Malcolm N. McKinnon; Well No. Armeda State #1  
310' FNL & 2300' FWL, NE NE NW; Sec. 32, T. 20 S.,  
R. 24 E.; Grand County, Utah

Dear Mr. Feight:

The above described well location is approximately 600 feet southeast of our proposed right of way for Interstate Highway 70. This proximity should not interfere with our proposed highway construction. We appreciate your bringing this matter to our attention even though there is not an apparent conflict.

Very truly yours,

A handwritten signature in cursive script that reads "W. O. Arns".

W. O. Arns  
Chief Location Engineer

# MALCOLM N. MCKINNON

TELEPHONES  
328-0032 - 328-0851

1222 SOUTH MAIN STREET  
SALT LAKE CITY, UTAH 84101

March 27, 1967.

O&G Lease ML-8681

Well: Armeda State #1

Sec. 32, T. 20 S,  
R. 24 E.  
Grand County, Utah.

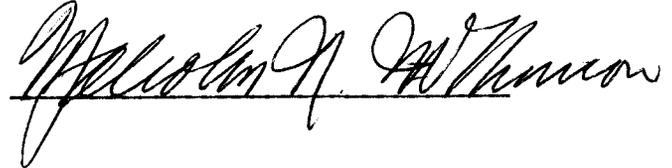
Mr. Cleon B. Feight,  
Executive Director,  
Oil & Gas Conservation Commission,  
348 E. South Temple Street,  
Salt Lake City 11.

Dear Sir:

Complying with request in your letter of March 17th, in connection with our Well designated above, I am enclosing herewith a surveyor's plat indicating the exact location of this well, as prepared by our engineer O. A. Troseth. The required bond has also been filed with the State Land Board.

Yours very truly,

MALCOLM N. MCKINNON



M.m

cc: State Land Board  
105 State Capitol Bldg.  
Salt Lake City 14

MINERAL LEASE No. 8681

WELL NUMBER- ARMEDA STATE No. 1

30 29 T. 20 S. 7 R. 24 E., S.L.B. & M.

29

32

31 32

2300'

310'

Location Well, 2300' from  
west line and 310' from North  
line Section 32, T. 20 S., R. 24 E.  
S.L.B. & M.  
Grand County, UTAH.  
Scale 1" = 400' Date Mar. 25, 1967

*O.A. Troseth*  
O.A. Troseth  
Engineer

April 3, 1957

Bill Bush

6 1/2" hole

Malcolm Mc Kinnon - Armeda #1 sec 32 T 20 S R 24 E  
Grand County

Drill / air to T.P. 500

195' - Top of Dakota SS - Thin

240 to 500 - Morrison → shale & siltstone

275' - Buckhorn only SS - 4'

no water or show

440 - Vertschi prod - nothing in this  
offset

Put mud in hole / plugs

100' plug 150 to 250 = 16 st

surface plug - 59' of 7"

60-110 - 10 st

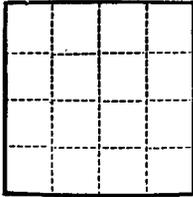
2 st / make at surface / & clear location  
at surface

JMB

(SUBMIT IN TRIPLICATE) Utah

Land Office  
State ML - 8681  
Lease No.  
Unit

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

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

April 3, 1967

Armeda

Well No. 1 is located 310 ft. from {N} line and 2300 ft. from {W} line of sec. 32

NE - NE - NW 20 S 24 E SLBM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Gravel Pile Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4485' ft. Ground Level

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 proposed work)

I will plug the well as follows:

150 to 250 ft. - 16 sacks  
60 to 110 ft. - 10 sacks  
Surface & Marker 3 sacks

APPROVED BY UTAH OIL AND GAS  
CONSERVATION COMMISSION

DATE 4-10-67 by Paul H. Burchell  
CHIEF PETROLEUM ENGINEER

I will pump mud into the well and also between plugs.

Well was air drilled to 500 ft. Hole Size - 6 1/4"

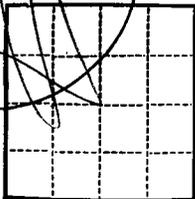
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Malcolm N. McKinnon

Address 1222 South Main Street

Salt Lake City, Utah

By Malcolm N. McKinnon  
Title Operator



(SUBMIT IN TRIPLICATE)  
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

Land Office .....  
*UTAH*  
Lease No. *ML-8681*  
Unit .....

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	✓
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)

..... *April 5* , 19*67*

*ARMEDA*  
Well No. *1* is located *310* ft. from *N* line and *2300* ft. from *W* line of sec. *32*  
*NE-NE-NW-32* *205* *24E* *SLBM*  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
*GRAVEL PILE* *GRAND* *UTAH*  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is *4485* ft. *GROUND LEVEL*

**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 proposed work)

*I have plugged the well as follows:*  
*150' to 250' - 16 sacks*  
*60 to 110' - 10 sacks*  
*Surface & Marker - 3 sacks*

*Heavy mud was pumped into well & slar between plugs -*

*Hole size - 6 1/4"*

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

Company *Malcolm N. McKinnon*

Address *1222 South Main St.*

*Sack Lake City,*  
*Utah*

By *Malcolm N. McKinnon*  
Title *Operator*

13

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

ML - 8681

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State

9. WELL NO.

Armeda - State # 1

10. FIELD AND POOL, OR WILDCAT

Gravel Pile

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

Sec. 32 - T 20 S  
R 24 E; SLBM

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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

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

2. NAME OF OPERATOR  
Malcolm N. McKinnon

3. ADDRESS OF OPERATOR  
1222 South Main Street - Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 310 FNL & 2300 FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-019-20206  
DATE ISSUED

15. DATE SPUNDED 3-27-67  
16. DATE T.D. REACHED 4-2-67  
17. DATE COMPL. (Ready to prod.) Plugged 4-4-67  
18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4485 Ground  
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 500 T.D.  
21. PLUG, BACK T.D., MD & TVD  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS 0 to 500'  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
None  
27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	24#	89 ft.	9"	14 sacks	None

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

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Well was plugged on the 4th of April			

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

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

SIGNED Malcolm N. McKinnon TITLE Operator DATE 4-8-67

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



FILE IN QUADRUPLICATE

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
348 EAST SOUTH TEMPLE  
SUITE 301  
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number ARMEOA STATE # 1  
Operator MALCOLM MCKINNON Address 1222 SOUTH MAIN Phone SALT LAKE CITY, UTAH  
Contractor BUSH DRILLING CO Address 190 HALL Phone 243-0493  
NE NE NW Location 1/2 1/2 Sec. 32 T. 20S R. 24 E GRAND County, Utah.

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

*The well was drilled to total depth with air - No water was encountered. ✓*