

P-W

Phil D. Lynch - Aztec #1 9-1
SE/4-SE/4 Sec 3-Twp 13N-R 20E
Navajo County No. Permit

County Navajo

Area _____

Lease No. _____

Well Name Phil D. Lynch Aztec #1

Location ~~SE SE~~ Sec 3 Twp 13N Range 20E Footage 990 ~~ESE~~ 330 ~~FEL~~

Spud _____ Completed _____ Total _____

Elev 5960 Gr _____ KB Date June 51 Abandon _____ Depth 1990

Approx. Cost \$ 3140?

Contractor: Anderson Drilling Co.

Drilled by Rotary Cable Tool

Casing Size _____ Depth _____ Cement _____

? 1500' ± ?

Production Horizon _____

Initial Production D&A

REMARKS Base Colonia - Top Supai 550' USGS

Next water, salty, at 1800-1200'

(Note Wes Pierce has samples from 90-3110)
W. Pierce picks Fort Apache @ 1644

Elec. Logs _____ Sample Log _____
Applic _____ Plugging _____ Completion _____ Sample Descrip.
to Plug _____ Record _____ Report _____ Sample Set T-131, P-27
Cores _____

Water well - accepted by _____

Bond Co. & No. _____

Bond Am't \$ _____ Cancelled _____ Date _____ Organization Report _____

Filing Receipt _____ Dated _____ Well Book _____ Plat Book _____

Loc. Plat _____ Dedication _____

PERMIT NUMBER none

Date Issued _____

#9-1

Samples described by P. R. Stevens
 USGS (GW) 3-18-52

PHIL D. LYNCH - AZTEC #1 Oil Well Test #1
 Location: NESESE Sec. 3, T. 13 N., R. 20 E. NAVAJO COUNTY, ARIZONA

AZTEC #1-SEC 3-T13N-R20E
 NAVAJO COUNTY

Thickness Depth

Thickness	Depth	Description
90	90	Samples missing from 0 - 90 feet
60	150	Very pale orange fine to very fine calcareous quartz sand, sorting good
15	165	Grayish yellow fine to very fine calcareous quartz sand, sorting good
20	185	Sample missing
100	285	Very pale orange fine to very fine calcareous quartz sand, sorting good
165	450	Grayish yellow fine to very fine calcareous quartz sand, sorting good
60	510	Grayish orange to grayish red fine to very fine calcareous quartz sand, sorting good
5	515	Sample missing
35	550	Light brown fine to very fine calcareous quartz sand, sorting good
65	615	Light brown sandy calcareous silt with gypsum
90	705	Pale reddish brown to very pale orange fine to very fine calcareous quartz sand with gypsum and anhydrite, sorting good
125	830	Moderate reddish orange fine to very fine calcareous quartz sand with salt and gypsum, sorting good
60	890	Moderate reddish orange fine calcareous quartz sand with silt and gypsum, sorting fair
100	990	Pale reddish brown fine to very fine calcareous silty quartz sand with salt and gypsum, sorting fair
40	1030	Pale red fine to very fine calcareous quartz sand with limestone and gypsum and silt, sorting fair
70	1100	Moderate reddish orange fine to very fine calcareous quartz sand with gypsum and siltstone, sorting fair
85	1185	Moderate reddish orange fine to very fine silty calcareous Quartz sand with gypsum, salt, and siltstone, sorting fair
115	1300	Moderate reddish orange fine to very fine silty calcareous quartz sand with gypsum, salt and limestone, sorting fair.
30	1330	Moderate reddish orange fine to very fine calcareous quartz sand with silt and gypsum, sorting fair.
5	1335	Light gray argillaceous limestone
20	1355	Grayish orange pink fine to very fine calcareous quartz sand with silt, gypsum and limestone, sorting fair
145	1500	Moderate reddish orange fine to very fine calcareous quartz sand with silt and gypsum, sorting fair
15	1515	Medium light gray silty calcareous mudstone with salt, sand and gypsum
129	1644	Samples missing from 1515 - 1644
33	1677	Light gray sandy siltstone and gypsum
33	1710	Light olive gray sandy siltstone with mudstone fragments
15	1725	Light gray silty limestone
25	1750	Light brown fine to very fine silty calcareous quartz sand, sorting / good
35	1785	Samples missing
25	1810	Very pale orange gypsum
50	1860	Light brown 5YR-6/4, slightly calcareous silty very fine sand with much salt and gypsum, sorting good
120	1980	Light brown, 5YR-5/6, salt with some silt
10	1990	Light brown very fine silty slightly calcareous quartz sand with much salt, sorting fair

Coconino

Supai

First water at bottom of Coconino sandstone at 545'
 Another water level between 1100' and 1200'.

T.D. - 1990'

BOND NO. _____

AMOUNT _____

CANCELLED _____

ORGANIZATION REPORT _____

No Permit

Samples described by P. R. Stevens
U. S. G. S. (GW)

Phil D. Lynch
Aztec #1 Oil Well Test

3-18-52

LITHOLOGIC LOG

Well number: Aztec #1
Location: NE SE SE sec. 3, T. 13 N., R. 20 E. Navajo County, Arizona
Driller: Phil D. Lynch

	Thickness	Depth	
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	15	165	Grayish yellow fine to very fine calcareous quartz sand, sorting good
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	100	285	Very pale orange fine to very fine calcareous quartz sand, sorting good
	165	450	Grayish yellow fine to very fine calcareous quartz sand, sorting good.
Coconino	60	510	Grayish orange to grayish red fine to very fine calcareous quartz sand, sorting good
	5	515	Sample missing
	35	550	Light brown fine to very fine calcareous quartz sand, sorting good
	65	615	Light brown sandy calcareous silt with Gypsum
	90	705	Pale reddish brown to very pale orange fine to very fine calcareous quartz sand with gypsum and anhydrite, sorting good
	125	830	Moderate reddish orange fine to very fine calcareous quartz sand with salt and gypsum, sorting good
	60	890	Moderate reddish orange fine calcareous quartz sand with silt and gypsum, sorting fair
	100	990	Pale reddish brown fine to very fine calcareous silty/sand with salt and gypsum, sorting fair
	40	1030	Pale red fine to very fine calcareous quartz sand with limestone and gypsum and silt, sorting fair
Supai	70	1100	Moderate reddish orange fine to very fine calcareous quartz sand with gypsum and siltstone, sorting fair
	85	1185	Moderate reddish orange fine to very fine silty calcareous quartz sand with gypsum, salt, and siltstone, sorting fair
	115	1300	Moderate reddish orange fine to very fine silty calcareous quartz sand with gypsum, salt and limestone, sorting fair.
	30	1330	Moderate reddish orange fine to very fine calcareous quartz sand with silt and gypsum, sorting fair.
	5	1335	Light gray argillaceous limestone
	20	1355	Grayish orange pink fine to very fine calcareous quartz sand with silt, gypsum and limestone, sorting fair
	145	1500	Moderate reddish orange fine to very fine calcareous quartz sand with silt and gypsum, sorting fair
	15	1515	Medium light gray silty calcareous mudstone with salt, sand and gypsum
	129	1644	Samples missing from 1515 - 1644
	33	1677	Light gray sandy siltstone and gypsum

No Permit

Astec #1 Continued

Thickness Depth

33	1710	Light olive gray sandy siltstone with mudstone fragments
15	1725	Light gray silty limestone
25	1750	Light brown fine to very fine silty calcareous quartz sand, sorting good
35	1785	Samples missing
25	1810	Very pale orange gypsum
50	1860	Light brown, 5IR-6/4, slightly calcareous silty very fine sand with much salt and gypsum, sorting good
120	1980	Light brown, 5IR-5/6, salt with some silt
10	1990	Light brown very fine silty slightly calcareous quartz sand with much salt, sorting fair

First water at bottom of Coconino sandstone at 545'
Another water level between 1100' and 1200'.

Samples described by P. R. Stevens
 U. S. G. S. (GW)

Phil D. Lynch
 Aztec #1 Oil Well Test
 990' FSL ; 330 FEL

3-18-52

LITHOLOGIC LOG

Well number: Aztec #1
 Location: NE SE SE sec. 3, T. 13 N., R. 20 E. Navajo County, Arizona
 Driller: Phil D. Lynch

Elev 5960
 Conts: Anderson Drilg. Co.

Spud: June 1951
 Cable Tools

Thickness Depth

	90	90	Samples missing from 0 - 90 feet
	60	150	Very pale orange fine to very fine calcareous quartz sand, sorting good
	15	165	Grayish yellow fine to very fine calcareous quartz sand, sorting good
	20	185	Sample missing
	100	285	Very pale orange fine to very fine calcareous quartz sand, sorting good
	165	450	Grayish yellow fine to very fine calcareous quartz sand, sorting good.
	60	510	Grayish orange to grayish red fine to very fine calcareous quartz sand, sorting good
	5	515	Sample missing
	35	550	Light brown fine to very fine calcareous quartz sand, sorting good
	65	615	Light brown sandy calcareous silt with typhum
	90	705	Pale reddish brown to very pale orange fine to very fine calcareous quartz sand with typhum and anhydrite, sorting good
	125	830	Moderate reddish orange fine to very fine calcareous quartz sand with salt and gypsum, sorting good
	60	890	Moderate reddish orange fine calcareous quartz sand with silt and gypsum, sorting fair
	100	990	Pale reddish brown fine to very fine calcareous silty/sand with salt and gypsum, sorting fair
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	5	1335	Light gray argillaceous limestone
	20	1355	Grayish orange pink fine to very fine calcareous quartz sand with silt, gypsum and limestone, sorting fair
	145	1500	Moderate reddish orange fine to very fine calcareous quartz sand with silt and gypsum, sorting fair
	15	1515	Medium light gray silty calcareous mudstone with salt, sand and gypsum
	129	1644	Samples missing from 1515 - 1644
	33	1677	Light gray sandy siltstone and gypsum

Coconino

Supai

First wte of base Coconino @ 545'
 Another wte level between 1100-1200'

No Permit

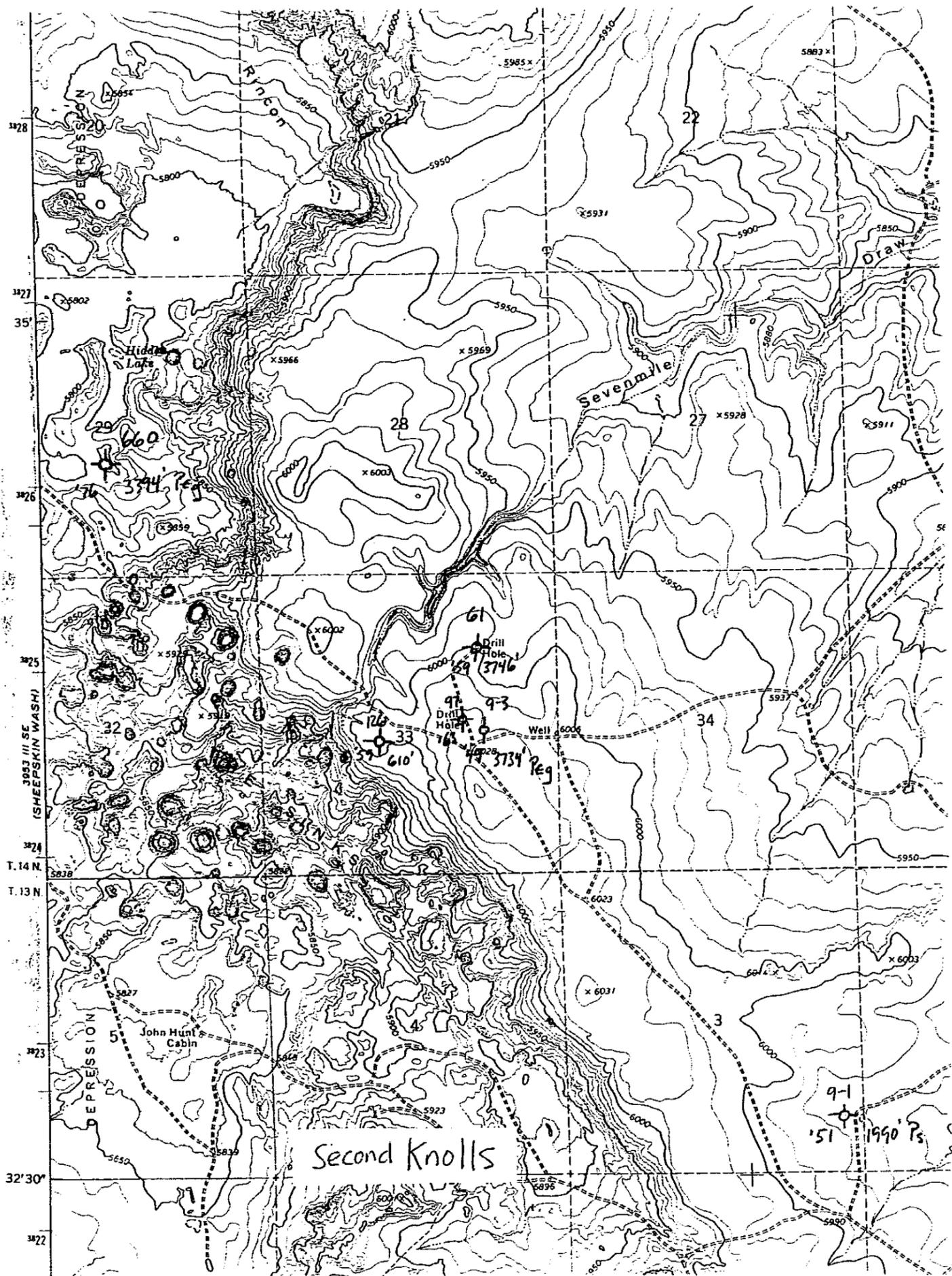
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Astec #1 Continued

Thickness	Depth	Description
33	1710	Light olive gray sandy silts with mudstone fragments
15	1725	Light gray silty limestone
25	1750	Light brown fine to very fine silty calcareous quartz sand, sorting good
35	1785	Samples missing
25	1810	Very pale orange gypsum
50	1860	Light brown, 5YR-6/4, silty calcareous silty very fine sand with much salt and gypsum, sorting good
120	1980	Light brown, 5YR-5, silty calcareous quartz sand with silt
10	1990	Light brown very fine silty calcareous quartz sand with much salt, sorting fair

First water at bottom of conino sandstone at 545'
 Another water level between 1100' and 1200'.

The Permit



COUNTY	STATE	TOOLS	INFO. O/H
<i>Navajo</i>	<i>Ariz</i>	<i>Cable</i>	<i>9-10/8</i>
WELL			
<i>P.D. Lynch - Aztec #1 -</i>			
LOC.			ELEV.
<i>NE SE SE 3-13N-20E. 990NSL; 330WEL</i>			<i>5960'</i>
CONTRACTOR			
<i>Had Dr. Lynch Anderson Dalg Co., Denver</i>			
COMM.	COMP.	T.D.	I.P.
<i>June, 1951</i>			
FORMATION RECORD			CASING
ACID			SHOT
REMARKS			
(SCOUT REPORTS ON REVERSE SIDE)			

the permit

5 June 1951. Moving in Equipment.
6 Sept 51 - Dily @ 825' in Supai (red mud on) salt.
8" casing to 645'.
Water at 545' - No use..
1st red ss @ 475'
1st salt @ 720-745.

5 June 1951. Moving in Equipment.

6 Sept 51 - Drily @ 825' in ^{red}brack mud and salt.

8" casing to 645'.

Water at 545' - No use..

1 1/2" red ss @ 475'

1 1/2" salt @ 720-745.

9-102

COUNTY NAVAJO STATE ARIZ TOOLS CABLE INFO. O/H

WELL K-W- AZTEC #2 (see P.D. Lynch - Aztec #1)

LOC. NE SE SE 3-13N-20E ELEV. 5960

CONTRACTOR Phil D. Lynch

COMM. June 51 COMP. T. D. I. P.

FORMATION RECORD

CASING

ACID SHOT

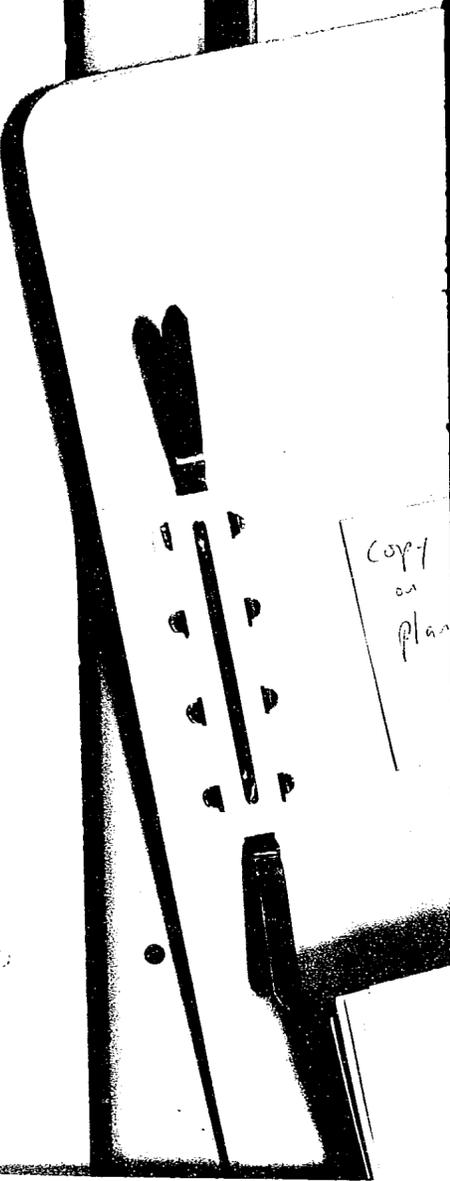
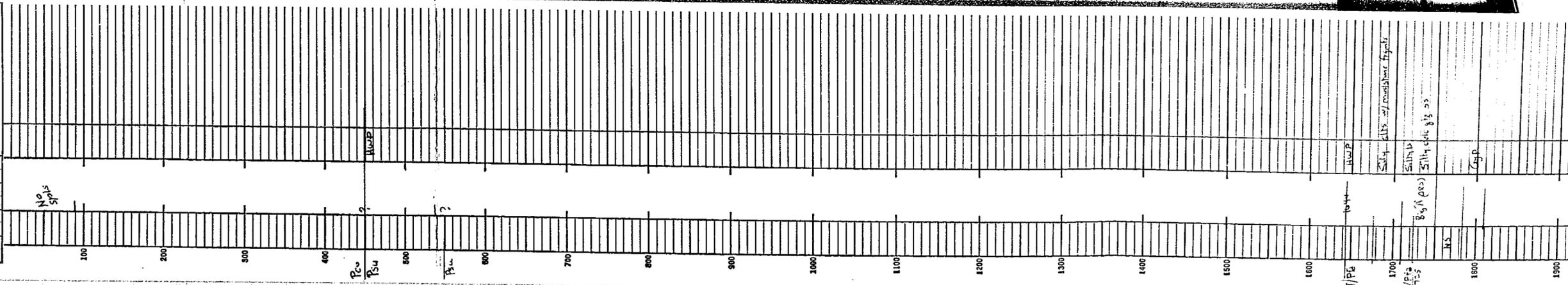
REMARKS
IS THIS SAME AS AZTEC #1
generally

(SCOUT REPORTS ON REVERSE SIDE)

9-1

FORM NO. 784 - For Sills by Rose-Martin Co., Tulsa

LYNCH		No. 1	
Astec Ld & Cattle			
S. 13 T. 13 N. R. 20 E	NE SE SE	COMMENCED	19
		COMPLETED	19
		ELEVATION	
		CABLE	PRODUCTION
		5/16" GL	ROTARY
		REMARKS	



3000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300

T/PS

B/CPS

MS

Gap

Pen

644

HowP

204 218 w/roundline figure

5/15/14

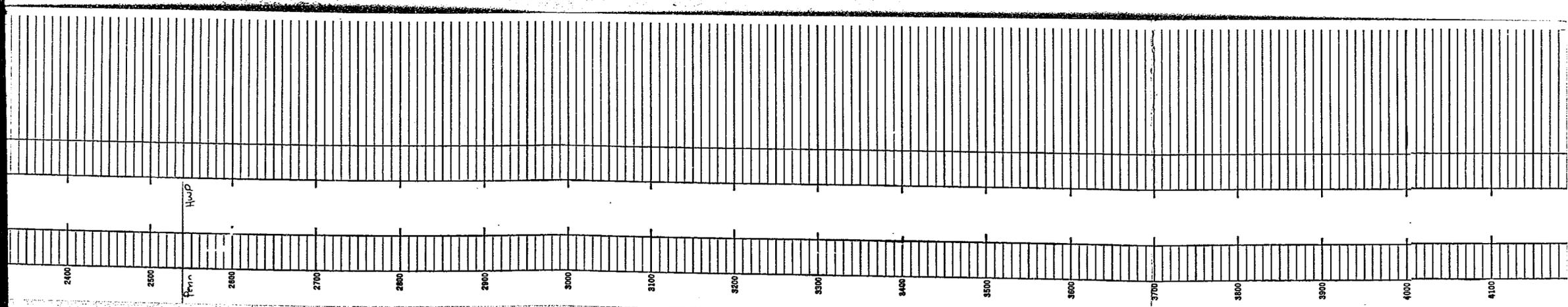
By (MS)

STILL LIFE #3 95

Gap

HowP

copy on plan



9-1

Laport
Sec 3-13N-20E
Navajo Co.
Ele 5960 GR

drilled by
Cable Tools

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1515

1600

1700

1735

- Ps (P)

ss light brn

brn silt w/ gyp

prob reddest brn ss
w/ gyp

silty red ss
w/ silt + gyp

Ts

silty ss w/ gyp
f silt

1000 to calc-stone
f gyp

← Pft (S)

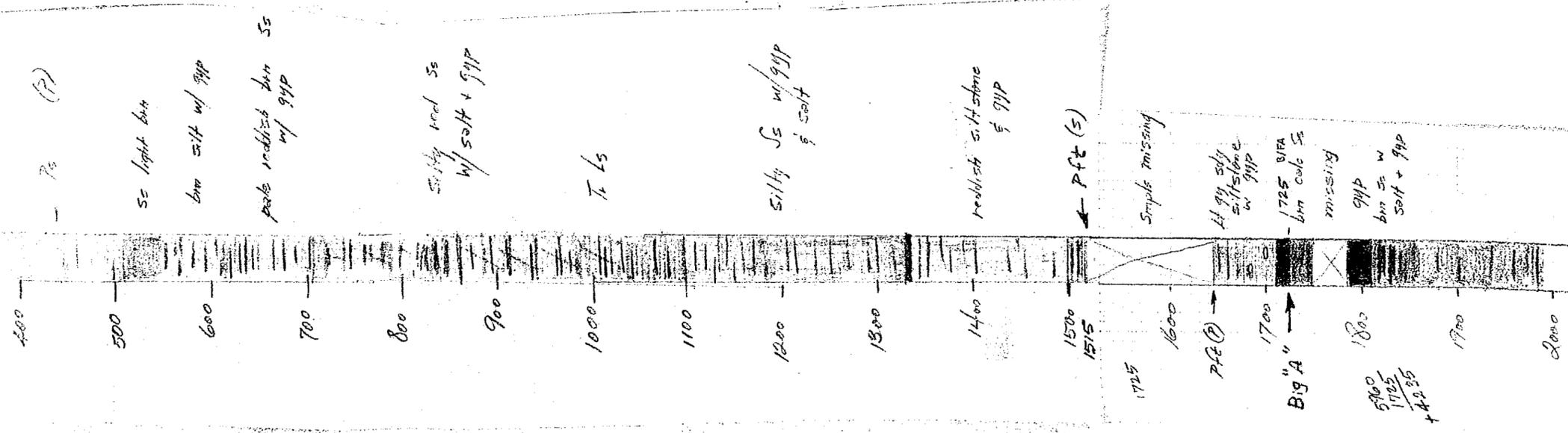
Sample missing

11 gyp sdy
siltstone
w/ gyp

1735 DATA

Big "A"

1735 DATA



Note = W. Peine has sample down to 3110 TD 3140?

5900
1725
+ 4235

Samples described by P. R. Stevens
 USGS (GW) 3-18-52

PHIL D. LYNCH - AZTEC #1 Oil Well Test #1
 Location: NESESE Sec. 3, T. 13 N., R. 20 E. NAVAJO COUNTY, ARIZONA

Thickness Depth

Coconino

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Supai

First water at bottom of Coconino sandstone at 545'
 Another water level between 1100' and 1200'.

Samples described by P. R. Stevens
 USGS (GW) 3-18-52

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Supai

First water at bottom of Coconino sandstone at 545'
 Another water level between 1100' and 1200'.

January 25, 1957

Mr. Phil D. Lynch
Flamingo Hotel
2501 E. Van Buren
Phoenix, Arizona

Dear Mr. Lynch:

In accordance with my telephone conversation, I am sending O&G forms 55 and 56 in duplicate, which we would appreciate having you fill out and return to this office immediately. Under the Rules and Regulations Governing the Conservation of Oil and Gas in the State of Arizona, it is mandatory that you furnish the State the required forms pertaining to your drilling operation.

We would also appreciate copies of your driller's log and any electric logs which you may have taken. We are in need of the bottom hole samples on this well.

Very truly yours,

STATE LAND DEPARTMENT

Phillip W. Johnson,
Geologist

mb
Encl.

No Permit

July 21, 1954

Dear Phil,

Sorry to have missed you on your last trip through. I have been moving around quite a bit here of late so am just getting around to answering your note. We are still trying to get the pipe out of the well so we can run rotary tools and finish the hole. I got the five inch pipe out and am working on the six inch now. It has parted at 660' and I am fishing for the rest of it.

I understand the people at Winslow are having quite a bit of trouble with lost circulation. They are good friends of Mr. Lynch so if you have any information on this well of ours or other wells near here that might help them we would appreciate your sending it to them. I have lost my driller's log on our well so if you have anything from the sample cuttings I have given you please send it to them.

Sincerely
Earl Anderson
Snowflake

The permit

December 31, 1953

Mr. Phil D. Lynch
Effingham, Illinois

Dear Mr. Lynch:

We take this opportunity to bring to your attention certain information relative to your oil and gas drilling operation in Section 3, Township 13 N., Range 20 E. The information to be presented comes to us as an opinion from the Attorney General's Office of the State of Arizona. We quote from that letter hereafter.

"With regard to our conversation as to whether a person who commenced drilling an oil well prior to the effective date of the Oil and Gas Conservation Act of 1951, but was temporarily shut down at the time this Act became effective, and subsequently renewed operations, is subject to the rules and regulations adopted by the Commission pursuant to Section 11-1717, A.C.A. 1939, as amended, please be advised that it is the opinion of the Attorney General that:

(1) It is manifest that the declaration of policy as set forth in Section 11-1703(6) and (7), A.C.A. 1939, as amended, became effective in 1951 and accordingly applies to all persons drilling wells within the State of Arizona. Although it may be too late at this time to require a drilling permit as required by Section 11-1714, A.C.A. 1939, as amended, in this particular case, the objects sought to be accomplished by Section 11-1717, supra, by necessity must be complied with, if possible. I find no exceptions to Paragraph 3 requiring a bond conditioned upon the performance of the duties described in Paragraphs 1 and 2. Therefore, the driller in question must, upon the request of the Commissioner, supply this bond and comply with all other regulations adopted pursuant to this section.

(2) It is true that this Act may not have retrospective effect, and acts done contrary to this Act prior to its enactment may not be set up to penalize the driller in question, but, upon the effective date of this Act, all drilling, whether it be new or a continuance of a project already started, is subject to the control of the Oil and Gas Conservation Act."

No permit

Mr. Phil D. Lynch
December 31, 1953
Page 2

Based on the interpretation of the Laws, Rules and Regulations as presented above, we will expect that you file a \$2500.00 bond with this office before any further action is undertaken in connection with your drilling operation.

Any future drilling operations by your Company before a bond is filed will be considered a violation and appropriate action will be initiated by the State Land Commissioner to correct such violation.

Very truly yours,

Roger Ernst,
State Land Commissioner

RE:mb
Registered mail.

400 permit

July 30 1953

Mr Phil Johnson
Capitol Bldg Annex
Phoenix, Arizona

Dear Sir;

I was in Albuquerque last week and talked to Mr Lynch. He is still planning to go ahead with this well. He talked to Mr Cobine and have decided to try to take a core and determine the condition of the bottom hole formation and see if we can condition the hole so we can finish with cable tools and if not will finish it with rotary. I am starting to Nebraska now to get a load of equipment to put on this rig for a rotary attachment.



Sincerely
Earl E. Anderson Jr
Snowflake, Ariz

Per Permit

May 20, 1953

Mr. Phil D. Lynch
Effingham, Illinois

Dear Mr. Lynch:

In previous correspondence you were advised that a surety bond in the amount of \$10,000 would be required to cover the drilling operations which you are conducting in Section 3, T. 13 N., R. 20 E. However, it has now been determined that a surety bond in the amount of \$2500 to cover a single well is all that is required. We are therefore enclosing for your use a form of said bond which it is requested that you arrange to have executed and returned to this office as soon as possible.

From information obtained it is believed that a bond for \$2500 may be secured whereas a bond in the amount of \$10,000 is unobtainable unless the driller or operator has a previous record of drilling of oil or gas wells covering a long period of time.

Before any further drilling operations or other work is carried out at the location heretofore referred to, it will be necessary that you submit this bond for \$2500. Otherwise, you would be subject to the penalties as set out in the Oil and Gas Conservation Act of 1951. Now that the amount of the bond has been reduced, this Department must insist upon full compliance with said law.

Very truly yours,

James R. Burger
Deputy State Land Commissioner

JRB:kb
encls
reg 32619

No Permit

July 8, 1952.

Mr. Phil A. Lynch,
El Rancho Hotel,
Phoenix, Arizona.

Dear Mr. Lynch:

In reviewing our files, we find that a notice of intention to drill an oil well was approved by this office on June 5, 1951, in the name of Phil A. Lynch and W. H. Weast, on Section 3, Township 13 North, Range 20 East. Prior to this approval, in fact, on January 28, 1951, the oil and gas conservation act was passed by the legislature, which act required the filing of a blanket bond in the amount of \$10,000.00 by anyone proposing to drill an oil or gas well. This bond is required to carry out the provisions of Section 17 of the above act, which requires the plugging and sealing off of water stratas upon abandonment of the well and the submission of geological reports on the well after completion.

In view of the fact that the well you are drilling was started after the effective date of this law, it will be necessary for you to file a bond in the above amount with this office in order to comply with the law. We are enclosing herewith forms of the bond which will be required, together with the oil and gas regulations regarding conservation which set out the requirements of said bond.

Any drilling without the filing of a blanket bond is a violation of the oil and gas conservation law, and the continued violation would subject you to the penalties provided in such law. While we do not wish to impede your drilling operations, we must insist upon full compliance with the said law.

Very truly yours,

STATE LAND DEPARTMENT

BY:

James R. Burger,
Deputy State Land Commissioner.

Enc.-4
JRB:kb:FC

cc: W. H. Weast

No perm ✓

Nov. 27, 1951

Dear Mr Briggs;

Phil Lynch called me
yesterday saying he was going
to plug his hole near Snowflake.
I thought you would be interested
in my letter to him.

Ever
Phil

The permit

P. O. Box 2270
Tucson, Arizona
November 27, 1951

Mr. Phil D. Lynch
San Carlos Hotel
Phoenix, Arizona

Dear Mr. Lynch:

I am writing you as you requested in our recent telephone conversation to outline for you a plugging program for the Phil D. Lynch--Astec No. 1 well, located NE $\frac{1}{4}$ SR $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 3, T. 13 N., R. 20 E. You mentioned the possibility of a deal whereby the well would be turned over to Mr. Flake to be used as a stock well. In the event this takes place it would only be necessary to shut off the lower stratas leaving the first fresh water for stock use. My records show that the first fresh water was encountered at 545 feet and that there was enough water to supply your needs for drilling until you cased to 1500 feet. You mentioned the next water was salty and encountered around 1200 feet, but that this was also shut off by your casing. From 1500 feet to your total depth of 1990 feet you have been drilling a dry hole.

If the deal with Mr. Flake goes through you need only to mud from the bottom up to where you set your cement plug at approximately 50 feet below the first fresh water strata. The cement plug should be not less than 50 feet thick; however, if the hole is not going to be used as a stock well, it would be necessary to follow the proceeding already outlined and in addition fill in with mud on top of cement to within 10 feet of the surface and then cement to the surface.

I should like to be notified when you expect to begin plugging operation so that I can plan to be there.

I sincerely hope that the above will be satisfactory to you and will be glad to be of service in any way I can in the future.

Very truly yours,

Phillip W. Johnson
Geologist

PWJ/pj

1/10 permit

September 27, 1951

Mr. Phil D. Lynch
% Kellogg Real Estate Company
214 North Central Avenue
Phoenix, Arizona

Dear Phil:

Phil Johnson, who is taking over this job, and I visited your well west of Snowflake when it was drilling at 825 feet. Phil tells me that he has kept pretty close tabs on your activity there and, as a consequence, we have a good idea of your difficulties in pushing the hole on down.

Under the new law, no monthly reports are required, however, this office would very much appreciate your cooperation in keeping it informed from time to time of your progress.

With best regards, I am

Very truly yours,

L. A. Heindl, Geologist
State Land Department

LAH:kh

Encls.

4cc permit