

M-11

F-34  
F. Julius Fohs, Santa Fe  
NW/4-NW/4-Sec34-Twp19N-R23E 162

County Navajo

Area \_\_\_\_\_

Lease No. Santa Fe Fee

Well Name F. Julius Fohs <sup>1-34</sup> Santa Fe

Location NW NW Sec 34 Twp 19N Range 23E Footage 1270 FNL 836 FWL  
LS \_\_\_\_\_ DF \_\_\_\_\_ Spud \_\_\_\_\_ Complete \_\_\_\_\_ Total \_\_\_\_\_  
Elev 5290Gr 5292 KB Date 11-24-62 Abandon 12-1-62 Depth 678

Contractor: W. T. Myers Drilling Co.-Albuquerque Cost \$ \_\_\_\_\_  
Approx. \_\_\_\_\_

Drilled by Rotary   
Cable Tool \_\_\_\_\_

Casing Size 5 1/2 Depth 100 Cement 10sx

Production Horizon \_\_\_\_\_

Initial Production D & A

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Elec. Logs Induction; Elec Sample Log \_\_\_\_\_  
Applic Plugging Completion \_\_\_\_\_ Sample Descript \_\_\_\_\_  
to Plub X Record X Report X Sample Set \_\_\_\_\_  
Cores \_\_\_\_\_

Water well - accepted by \_\_\_\_\_

Bond Co. & No. U. S. Fidelity & Guaranty Company

Bond Am't \$ 10,000 Cancelled \_\_\_\_\_ Date \_\_\_\_\_ Organization Report X

Filing Receipt 9278 dated 10-16-61 Well Book X Plat Book X

Loc. Plat X Dedication W/2 NW/4 34-19N-23E

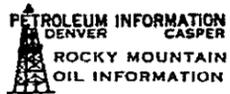
API # 02-017-05046

PERMIT NO. 162

Date Issued 10-18-61



162  
ARIZONA  
NAVAJO CO.  
CARRIZO WASH AREA (W)



Twp 19n-23e  
Section 34  
nw nw  
1270 s/n 836 e/w

OPR: F. Julius Fchs

WELL #: 1-34 Santa Fe

ELEV: 5292 DF.

DSTS. & CORES:  
Crd 653-668, rec 14"2"  
sd, hard. No tests.

SPUD: 11-21-61 COMPL: 1-23-61

TOPS: Log ~~5661X~~

TD: 678 PB:

Chinle - surface  
Cocconino 624

CSG: 5 1/2" @ 100 w/25

PERF:

PROD. ZONE:

INIT. PROD: D & A.

Contr: Meyers.

ARIZ 9-262160

## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

### DESCRIPTION OF WELL AND LEASE

Operator **F. Julius Fohs** Address **317 San Jacinto Bldg., Houston, Texas**

Federal, State or Indian Lease Number or name of lessor if fee lease **Santa Fe** Well Number **1-34** Field & Reservoir **Wildcat**

Location **836' EWL & 1270' SNL of Section** County **Navajo**

Sec. TWP-Range or Block & Survey **Section 34, T-19-N, R-23-E, Gila & Salt River Survey**

Date spudded **11-21-61** Date total depth reached **11-26-61** Date completed **11-27-61** Elevation of casing hd. (range) **5290 feet**

Total depth **678'** P.B.T.D.  Single, dual or triple completion? **Dry & Abandoned** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **None** Rotary tools used (interval) **Surf. to 678'** Cable tools used (interval)

Was this well directionally drilled? **No** Was directional survey made?  Was copy of directional survey filed?  Date filed

Type of electrical or other logs run (check logs filed with the commission) **Induction-Electric Log** Date filed **5-31-62**

### CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
	7 7/8"	5 1/2"	15.5	100	10	None

### TUBING RECORD

### LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

### PERFORATION RECORD

### ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

### INITIAL PRODUCTION

Date of first production \_\_\_\_\_ Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

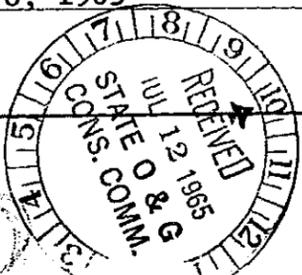
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Walter Larke, Geologist of XXX F. Julius Fohs, Operator XXXXXX, and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date July 8, 1965

Signature Walter Larke



Permit No. 162

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Well Completion or Recompletion Report and Well Log  
Form No. 4 File One Copy

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
	0	180	shale
	180	260	shale, dark gray
Chinle Cong.	260	270	sand & shale, gray
" "	270	280	sand, buff colored
" "	280	290	sandy shale, red
" "	290	310	sand, red
" "	310	320	sand, red with strks of gray shale
" "	320	330	sand, red
	330	610	shale, hard, red & gray
Moenkopi	610	653	shale, hard, red, with few hd. sand strks
			<u>Core #1: Recovered 15'0"</u>
Coconino	653	668	15'0" sandstone, hard, porous, med.-fine, buff colored, no odor, appears wet, tastes salty. After exposure to sun, core frosted over with crystals of salt.
Coconino	668	678	sandstone
		<u>T.D.</u>	
			<u>No drill stem tests.</u>

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

**INSTRUCTIONS:**

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

STATE OF ARIZONA  
OIL AND GAS CONSERVATION COMMISSION  
PHOENIX, ARIZONA

Form O & G 56

Form Prescribed Under Oil and Gas Conservation Act of 1951  
ABANDONMENT AND PLUGGING RECORD

(Within thirty days after the plugging of any well has been accomplished, the owner or operator thereof shall file this form with the Commissioner, setting forth in detail the method used in plugging the well.)

PLUGGING METHODS AND PROCEDURE- - The methods 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 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) An uncased 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.

Operator F. Julius Fohs Field Wildcat  
Pool \_\_\_\_\_  
County Navajo  
Address all correspondence concerning this form to: F. Julius Fohs  
Street: 1077 San Jacinto Bldg City: Houston 2 State: Texas  
Lease Name Santa Fe Well No. 1-34 Sec. 34 Twp. 19-N Rge. 23-E  
Was the well plugged according to regulations of the Commissioner? Yes (Nov. 27, 1961)  
Set out method used in plugging well and record of casing pulled:

50' Cement plug placed 600' - 550'; heavy mud 550' - 275'; cement plug

275' - 225'; heavy mud 225' - 50' and cement plug 50' to surface. 99' 3" - 5 1/2'

surface casing left in hole.

(AFFIDAVIT)

STATE OF ARIZONA \_\_\_\_\_  
COUNTY OF Navajo \_\_\_\_\_

F. Julius Fohs  
(Operator)

Before me, the undersigned authority, on this day personally appeared Walter Larke  
Geologist, 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 cor-  
rect.

Subscribed and sworn to before me this the 2nd day of December 1961

Mary Sandoval  
Notary Public

My commission expires: August 11, 1965.

4  
162

STATE OF ARIZONA  
OIL AND GAS CONSERVATION COMMISSION  
FORM O&G 55

Form Prescribed Under Oil and Gas Conservation Act 1951  
APPLICATION TO ABANDON, PLUG, DEEPEN, SIDETRACK OR PERFORATE  
(After Well Has Once Been Completed)

INSTRUCTIONS: - - File in duplicate with Commissioner. One copy will be returned with approval or denial.

FIELD: WILDCAT  
OPERATOR: F. JULIUS FOHS ADDRESS 1077 San Jacinto Bldg. Houston 2, Texas  
LEASE: Santa Fe WELL NO. 1-34 COUNTY Navajo  
SURVEY: Gila & Salt River SECTION 34 DRILLING PERMIT NO: 162  
LOCATION: 1270' South of North Line & 836' East of West Line of Section  
Township 19 North, Range 23 East

TYPE OF WELL: Dry Hole TOTAL DEPTH 678'  
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned)  
LAST PRODUCTION TEST: OIL (Bbls.) Water (Bbls.)  
GAS (M. C. F.) DATE OF TEST

PRODUCING HORIZON PRODUCING FROM: TO

1. COMPLETE CASING RECORD: 5 1/2" J-55 - 15.5# cemented at 100' with 10 sacks of cement - circulated

2. FULL DETAILS OF PROPOSED PLAN OF WORK: A 50' cement plug will be placed in bottom from 600' - 550', a second plug 275' - 225' and a third plug in casing from 50' to surface. Heavy mud will fill the hole between plugs.

If the well is to be deepened to another zone other than that covered by permit, this form shall be accompanied by a certified lease plat as is prescribed on Form No. O&G 51.

If the well is to be abandoned, does proposed work conform with requirements of Rule 26? If not, outline procedure proposed above.

DATE COMMENCING OPERATIONS: November 27, 1961  
NAME OF PARTY DOING WORK: W.T. Myers Drilg. Co. ADDRESS Albuquerque, New Mexico  
CORRESPONDENCE SHOULD BE SENT TO: F. Julius Fohs - above address

NAME: Walter Larke Walter Larke  
TITLE: Geologist

APPROVED: 6<sup>th</sup> DAY OF Dec 1961.

DENIED: \_\_\_\_\_ DAY OF \_\_\_\_\_ 19\_\_\_\_.

OIL AND GAS COMMISSION  
BY: Brooks Price  
Petroleum Geologist

(9) 34-19N-23E  
836' FNL-1270' FNL  
F. Julius Fohs  
Santa Fe #1-34

12-61  
pin

WILDCAT, Carrizo Area, proposed 1400' Coconino Test;  
C/W.T. Myers Drig Co, Albuquerque; elev 5290' GL; set 5 1/2"  
csg 100'; TD 678'; D. PCA 11-27-61. FINAL REPORT.

CG 162

OIL AND GAS CONSERVATION COMMISSION  
STATE OF ARIZONA  
Form Prescribed Under Oil and Gas Conservation Act of 1951

Form OG 51

NOTICE OF INTENTION TO DRILL NEW WELL

**ORIGINAL**

This notice and surety bond must be filed and permit must be granted before  
drilling begins

Oil and Gas Conservation Commission      October 12, 1961      Arizona      19

In compliance with Statewide Rule 3, notice is hereby given that it is our intention  
to commence the work of drilling well No. Santa Fe #3      Sec. 34,

Twp. 19 North, Rge. 23 East GSRB. & M., \_\_\_\_\_ Field

Navajo County.

Legal description of lease NW4 NW4 of Section 34, T-19-N, R-23-E, GSRB&M  
(attach map or plat to scale)

Location of Well: 660' from the North Line; 660' from the West Line;  
(Give exact footage from section corners or other

legal subdivisions or streets)

Proposed drilling depth 1400' feet. Acres in drilling unit 40.00

Has surety bond been filed? Yes. Is location a regular or exception to spacing  
rule? Regular.

Elevation of ground above sea level \_\_\_\_\_ feet.

All depth measurements taken from top of \_\_\_\_\_  
(Derrick, floor, Rotary Table or  
\_\_\_\_\_ which is \_\_\_\_\_ feet above the ground.

(Kelly Bushing)

PROPOSED CASING PROGRAM

Size of Casing Inches A. P. I.	Weight	Grade & Type	Top	Bottom	Cementing Depth
<u>5-1/2"</u>	<u>15#</u>	<u>J-55</u>	<u>0</u>	<u>120'</u>	<u>Circulated</u>
<u>2-7/8"</u>	<u>6.5#</u>	<u>J-55</u>	<u>0</u>	<u>TD</u>	<u>TD</u>

Intended Zone or Zones of completion:  
Name

Perforated Interval

**AFFIDAVIT:**

I hereby certify under the penalty of perjury, that the information contained and state-  
ments herein made are to the best of my knowledge and belief, true, correct and complete.

F. Julius Fohs

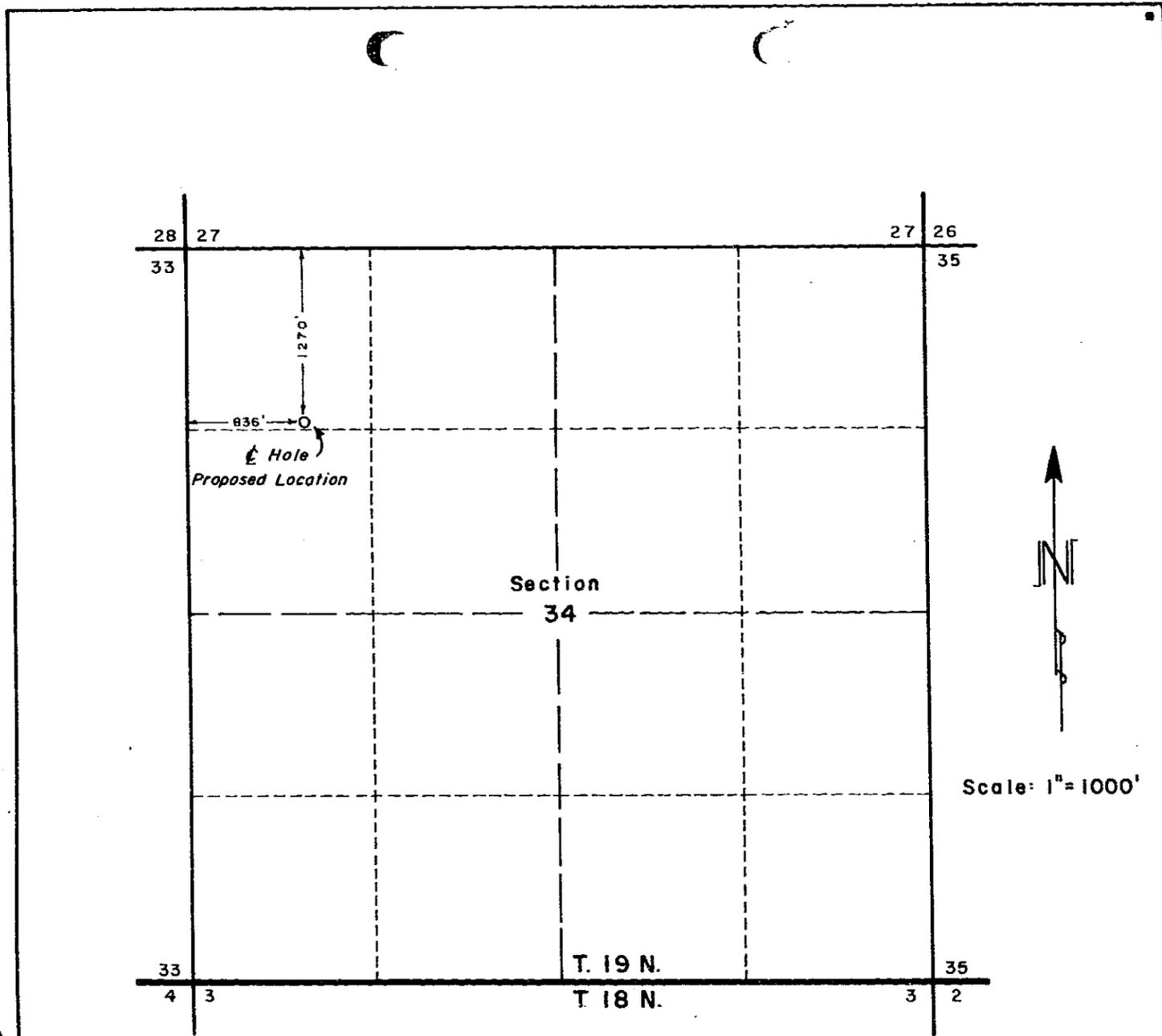
(Applicant)

Application approved this 18 day of October 1961  
Permit No. 162 By Frank Ewing, Agent

Keith Woodson  
Oil and Gas Conservation Commission

3-62 1/10/58

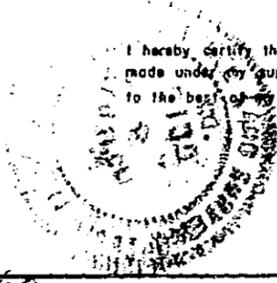
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**WELL LOCATION: F. J. Fohs - Santa Fe # 1-34**

Located 1270 feet South of the North line and 836 feet East of the West line of Section 34,  
 Township 19 North, Range 23 East, Gila & Salt River Meridian.  
 Navajo Co., Arizona  
 Existing ground elevation determined at 5290 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.



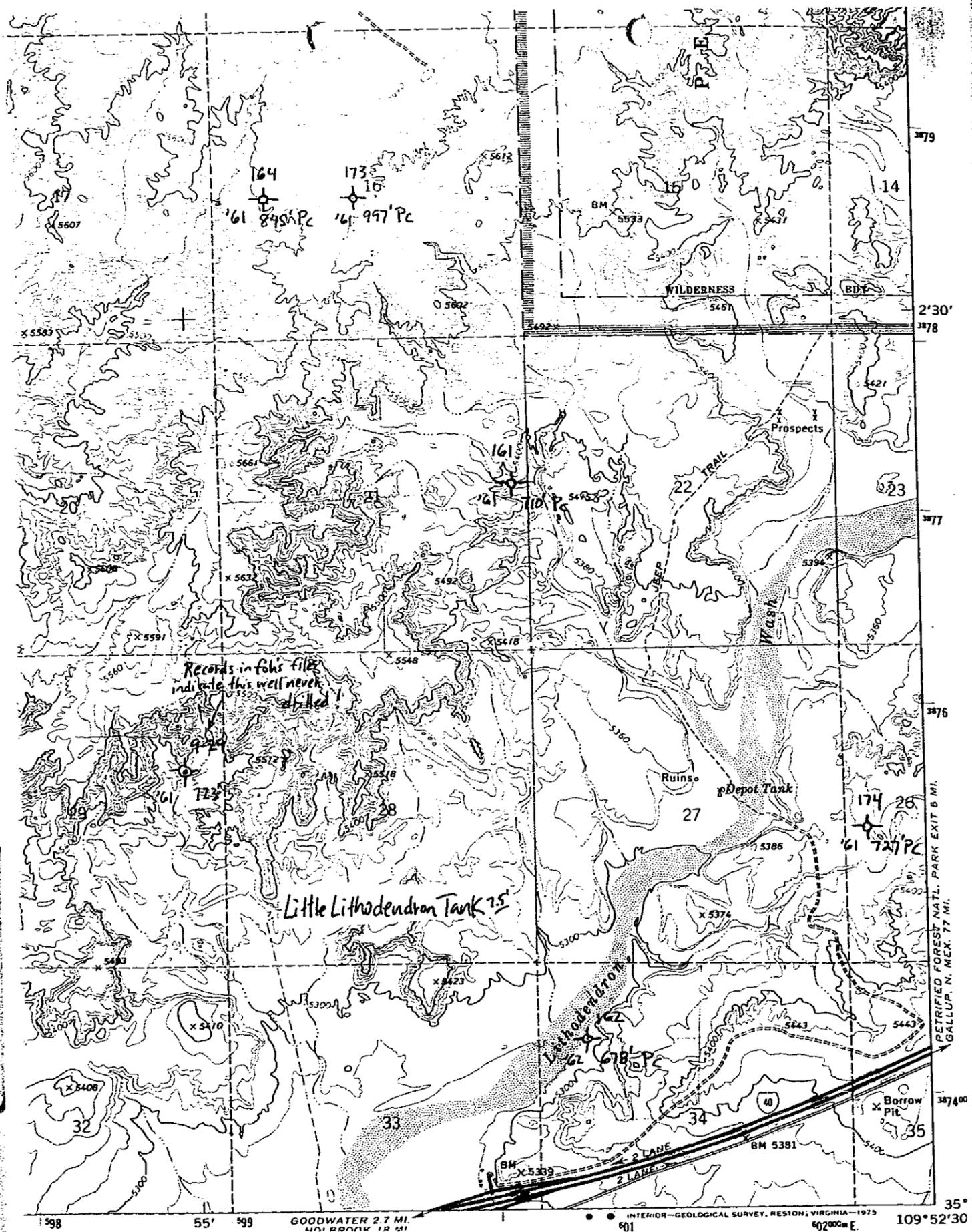
*Elmer M. Clark*  
 ELMER M. CLARK  
 Registered Land Surveyor  
 State of Ariz. # 4973

F. J. FOHS - HOUSTON, TEXAS

WELL LOCATION PLAT  
 Sec. 34, T. 19 N., R. 23 E.  
 Navajo Co., Arizona

E.M. CLARK & ASSOC.  
 Durango, Colorado

DATE: Oct. 23, 1961  
 FILE NO: 61087



PETRIFIED FOREST NATL. PARK EXIT 8 MI.  
 GALLUP, N. MEX. 77 MI.

# Rocky Mountain Well Log Service Co.

1753 Champa Street

DENVER, COLORADO

266-0588 Area Code 303

80202

BOB ANDREWS, Division Manager



September 1, 1970

CASPER, WYOMING  
Bob Fitzgerald  
600 So. David  
234-6921

Mr. John Bannister  
Arizona Oil and Gas Conservation Commission  
Room 202  
1624 West Adams  
Phoenix, Arizona 85007

MIDLAND, TEXAS  
David Clark  
105 West Wall  
MU 2-0591

Dear Mr. Bannister,

May I get the following log prints from you?

Santa Fe # 1-9	Wildcat	Sec -- 19N-23E	Navajo, Ariz. — 160
State # 1-16	Wildcat	Sec 16-19N-23E	Navajo, Ariz. — 161
Santa Fe # 1-34	Wildcat	Sec 34-19N-23E	Navajo, Ariz. — 162
Santa Fe # 1-13	Wildcat	Sec 13-19N-22E	Navajo, Ariz. — 181

These were all drilled in 1961. As soon as we complete our reproduction, the prints will be returned.

Thanking you in advance

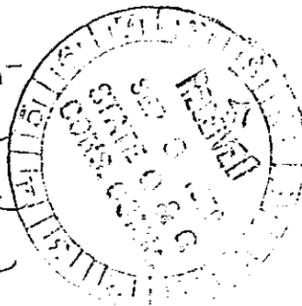
I am  
Very truly yours,

*Ted Strickland*  
Ted Strickland

TLS: jlg

Please note: The operator on these four wells was F. Julius Fohs.

Enclosed are copies of Induction-Electrical Log on each of the above wells. These are the only logs we have in our files. Hope they are what you need. J.D.



Operator F. Julius Fohs

Bond Company U. S. Fidelity & Guaranty Co. Amount \$10,000

Bond No. 68241-13-1201-61 Date Approved 11-5-61

Permits covered by this bond:

- 160
- 161
- 162
- 164
- 173
- 174
- 181

**CANCELLED**

DATE 10-11-64

October 11, 1963

Estate of F. Julius Fels  
317 San Jacinto Building  
Houston 2, Texas

Attention: Mr. Walter Larke, Geologist

Re: U.S. Fidelity & Surety Co. Bond 68241 13 1201 61

Gentlemen:

All wells covered by captioned bond have been plugged and abandoned and all data has been filed with this Commission as required by our Rules and Regulations.

Consequently this letter will serve as authority from this Commission to terminate captioned bond should you so desire. However, we request that we be notified of any action taken by you, so that we may note our records.

Yours very truly,

John Bunker  
Executive Secretary  
BY

June 22, 1965

Estate of F. Julius Fohs  
1077 San Jacinto Building  
Houston 2, Texas

Attention: Mr. Walter Larke

Gentlemen:

In reply to your letter of June 18, 1965, this office feels that it would be easier to deal separately with each well drilled by Mr. Fohs within this State. Accordingly, we will list below each well drilled by him and a comment regarding such things as may be necessary to complete our files and bring them up to date.

I call your attention to Arizona Statutes, specifically ARS 27-316.2, which specifically provides for the filing of all logs and drilling records within 90 days from completion of a well drilled for oil or gas. A hole drilled for stratigraphic purposes does avoid some of our requirements such as spacing and footage requirements. However in all other ways, including the filing of information, the Rules and Regulations of this Commission must be complied with. Accordingly, as to the well below indicated, please file such logs and drilling records as you do have.

As you are aware, all of Mr. Fohs' wells were covered by a \$10,000 bond wherein U.S. Fidelity and Guaranty Company was surety and Mr. Fohs was principal. This bond is conditioned upon full compliance with our Rules and Regulations and, again, specifically as to the filing of necessary information.

You have advised that this bond was cancelled sometime in 1962. However, our records fail to reflect a cancellation of this bond. As you are aware, once a bond is posted with this Commission it may be cancelled only upon order of this Commission.

Santa Fe 61-9  
SW/4NW/4 9-T19K-R23K, Navajo County  
Our File 160

Our records reflect that this well has been properly plugged and abandoned. However, we do need a well completion report (as differentiated from the Plugging Record or Application to Abandon.).

June 22, 1969

Santa Fe 01-21  
SE/4SW/4 21-T19N-R22E, Navajo County  
Our File 168

Our file reflects that this well has been properly plugged and abandoned. However, we do need the Well Completion Report.

Santa Fe 1-34  
NW/4SW/4 34-T19N-R22E, Navajo County  
Our File 162

Again, this well has been properly plugged and abandoned and we do need the Well Completion Report.

State 1-16  
NW/4SW/4 16-T19N-R22E, Navajo County  
Our file 164

This well has been properly plugged and abandoned, but no Well Completion Report has been filed.

State 2-16  
NE/4SW/4 16-T19N-R22E, Navajo County  
Our File 173

This well has been plugged and abandoned but no Well Completion Report nor logs have been filed.

Finley 1-26  
NW/4SW/4 26-T19N-R22E, Navajo County  
Our File 174

This well has been properly plugged and abandoned but no Completion Report has been filed.

Santa Fe 1-19  
Center line of S/2SE/4 19-T19N-R22E, Navajo County  
Our File 181

This well has been properly plugged and abandoned. However, we do not have the necessary Well Completion Report nor the logs pertaining to this well.

For your convenience we are enclosing some copies of our Well Completion Report forms which should be filled out for each of the above indicated wells.

The logs pertaining to the two wells above listed should be forwarded to this office for our files at once.

This office does not desire to work a hardship upon any of the operators within the State. However, we must get our records complete and up to date. In most cases, Federal forms which contain substantially identical information as do the State of Arizona forms are acceptable. However, it is mandatory that our own Well Completion Report form be submitted.

Estate of F. Julius Vohs

Page 2

June 22, 1965

If you have any questions, or if we may be of help in any way, will you please advise.

We very much appreciate your cooperation.

Yours Very Truly,

John Bannister  
Executive Secretary  
JR  
cnc

Estate of F. Julius Vohs

Page 2

June 22, 1965

Santa Fe 01-21  
SE/4MB/4 21-T19H-R23E, Navajo County

F. JULIUS FOHS  
1077 SAN JACINTO BUILDING  
HOUSTON 2, TEXAS

May 31, 1962

Oil & Gas Conservation Commission  
State of Arizona  
3500 North Central Avenue, Suite 221  
Phoenix 12, Arizona

Attention: Mr. Don A. Jerome

Dear Sir:

I herewith enclose for the Commission's files the following Electrical logs of wells drilled under our direction and all located in Township 19 North, Range 23 East, Navajo County, Arizona.

- (1) Santa Fe #1-9 .....Located in Section 9
- (2) Santa Fe #1-16.....Located in Section 16
- (3) Santa Fe #1-21.....Located in Section 21
- (4) Finley-Arizona Land #1-26....Located in Section 26
- (5) Santa Fe #1-34.....Located in Section 34

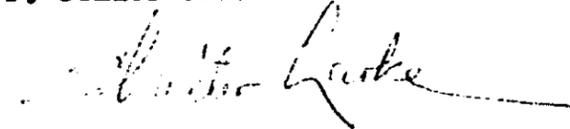
Logs of two Stratigraphic test wells will ultimately be released, but are presently withheld for trading purposes.

Log on our last endeavor, Santa Fe #1-13 in Section 13 of T-19-N, R-22-E is not ready for release as yet.

Thanking you for your cooperation and indulgence,

Yours very truly,

F. JULIUS FOHS



By: Walter Larke, Geologist

WL:hc  
Encs.

December 7, 1961

Flagville-Ewing Oil Investments, Inc.  
3800 North Central Avenue - Suite #208  
Phoenix 12, Arizona

Attention: Mr. Frank Ewing

Re: F. Julius Fohs tests in T19N, R23E, Navajo County,  
as follows:

Santa Fe #1-34, Sec. 34  
Santa Fe #1-9, Sec. 9  
State #1 - Sec. 16

Gentlemen:

Enclosed are Forms OG 58, Application to Abandon, the  
above described tests. I am sorry that these resulted  
in dry holes.

I am also enclosing a copy of the rules and regulations  
that were adopted at our hearing in the Highway Department  
auditorium on November 29, 1961. I wish to call your  
attention to Article 102 on Page 7 with a stress on the  
sentence pertaining to a "search for stratigraphic data".  
Also, to Paragraphs 1 and 2 of Article 203 on Page 21.

I am sure that you understand my motive in calling your  
attention to these new provisions of the rules.

Sincerely,

Brooks Pierce  
Petroleum Geologist

BP:hmc  
ccs

F. JULIUS FOHS

Refer to Santa Fe #1 for Blanket Bond and  
Organization Report.