

P-W

Layron E. (Lee) Wilson Cody Harris
SW/4-SW/4 Sec 13-20N-26E 110
Apache County

County Apache

Area Pinta

Lease No. Cody Harris Fee

Well Name L. E. (Lee) Wilson #1 Cody Harris

Location SW SW Sec 13 Twp 20N Range 26E Footage 660 FS & WL

Elev. 5632 Gr KB Spud Complete Plugged 5-2-61 Total 1127 PB
~~5630~~ Date 6-16-61 Abandon 9-27-61 Depth 1200 approx.??

Contractor: _____ Approx. 1270 TD Cost \$ _____

Drilled by Rotary X
Cable Tool _____

Casing Size	Depth	Cement
5 7/8 8"	100	50 3/4 surge 3%
2 7/8	1200	100 3/4

Production Horizon _____
Initial Production D & A

REMARKS: _____

Elec. Logs <u>elec. Examination</u>	Sample Log <u>X</u>
Applic to Plub _____	Sample Descript _____
Plugging Record <u>✓</u>	Sample Set _____
Completion Report <u>✓</u>	Cores _____

Water well - accepted by _____

Bond Co. & No. None--see correspondence

Bond Am't \$ _____ Canceled _____ Date _____ Organization Report None

Filing Receipt 9228 dated 6-23-60 Well Book X Plat Book X

Loc. Plat X Dedication S/2 SW 1/4 13-20N-26E

API # 02-001-05145

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 **LAYRON E. (LEE) WILSON** Address **Box 325, Bloomfield, New Mexico**

Federal, State or Indian Lease Number or name of lessor if fee lease **Cody Harris** Well Number **1** Field & Reservoir **Wildcat**

Location **660' FN&W 1s Section 13** County **Apache**

Sec. TWP-Range or Block & Survey **13-20N-26E** **Apache Co, Arizona**

Date spudded 6-15-60	Date total depth reached 7-2-60	Date completed, ready to produce -----	Elevation (DP, RKB, RT or Gr.) DI 5632 feet	Elevation of casing hd. flange 5054 feet
Total depth 1270	P.B.T.D. ----	Single, dual or triple completion ---	If this is a dual or triple completion, furnish separate report for each completion.	

Producing interval (s) for this completion

Rotary tools used (interval)
Yes Mayhew 1000

Cable tools used (interval)

Was this well directionally drilled? 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)
Gammatron (Gamma ray-Neutron) Date filed **-- May 6, 1966**

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
Water S. O. To test & Produce	3 5/8"	8"	20#	100	50 sx	none
	4 1/2"	2 7/8"	9#	1260	100 sx	none

TUBING RECORD

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

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD
2/ft	3/8" Jet	1099-1116; 1081-94; 1058-64; 977-83; 948-54; 885-89; 820-2	Am't of acid used 500 gal 100 gal acid 7 1/2% HCL as previous

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 **Petroleum Geologist**.....of the **Layron E (Lee) Wilson Drlg Co.** (company), 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 May 6, 1966 Signature *John R. Petty*
2134 W. Kinn Dr.
Phoenix, Arizona

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

Permit No. **119**

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
CHINLE (SURFACE	0	100	Sd
	100	300	sh & sdy sh
	300	311	sd
	311	375	sh w/sd strgrs
	375	400	sd
	400	490	sh w/some sdy strks
	490	520	sd w/sh strgr
	520	570	sh w/sd strgrs
	570	605	sd
	605	630	sh w/sd strgrs
	630	670	sd w/sh strks
	670	700	sh
	700	800	sd strgrs wi/ sh beds between
Chinle Sand	800	860	SAND
	860	870	sh
Chinle Conglomerate	870	941	Sd Congl with sh strgrs
Shinarump			
Conglomerate	941	994	Sd & Congl
Moenkopi Shale	994	1099	Sh w/ sd strgrs
Coconino Sand	1099	1117	Sand
	1117		Top of water
	1117	1270	Sand (Coconino)



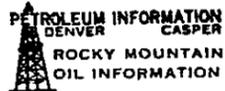
* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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.

ARIZONA
APACHE CO.
PINTA DOME (D)



Twp 20n-26e
Section 13
C SW SW
660 n/s 660 e/w

OPR: Leyrone Wilson

WELL #: 1 Cody Harris

ELEV: 5630 Gr
*TOPS: Log-Sample

DSTS. & CORES:

SPUD: 6-18-60 COMPL: 7-17-60

TD: 1270 PB:

CSG: 8" @ 100 w/50
2-7/8" @ 1260 w/50

No log run

No cores
or tests

PERF:

BROD. ZONE:

INIT. PROD: D & A

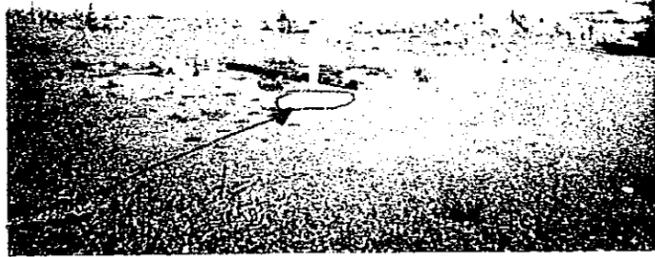


(7) 13-20N-26E
660' FSL-660' FWL
Layron E. Wilson
/1 Cody Harris

WILDCAT, Pinta Dome Area; proposed helium test; elev
5730' GL; spud 6-18-60; 8" 100'/50 sx; 2 7/8" 1260'/50 sx;
no cores or tests; TD 1270'. FINAL REPORT.

A

029 #19



LEE Wilson

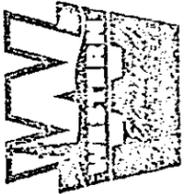
5-17-66

Cody Harris

(No sign; location needs picking up)

(located just beside trailer court in Navajo)

5632
1099
+4533

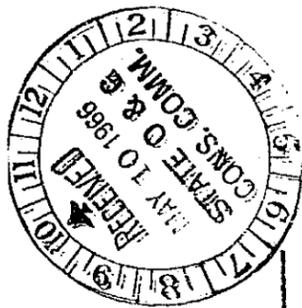


THE WESTERN COMPANY

"Engineered Well Services"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



Well Data Date 2-16-62

Operator Raywood + Griffin Well No. # 1

Lease Williams

Field Pinta Dome State Ariz.

County Apache Depth 820 to 1116

Formation _____

Stage No. 1 this section. Old New Well

Field Receipt No. 577-40205 Treatment Date _____

Volume & Type 300 gal 75% Sulfuric acid

Amount Sand _____ Size _____

Perforation Sealers 18 in 1 Stages

Misc Mtls _____

Pumping Eqpt 1 FM 600

Depth: TD _____ PBTD 1116

Size Casing 2 1/2 Weight _____ Set through

Size Liner _____ Weight _____ Set from _____ to _____

Size hole below _____

Casing Perforations w/holes per foot 2 holes/ft.

1099-1116 1081-1094 1058-64

1094-50 977-83 948-54 865-89 820-24

Size Tubing _____ Tubing Perf. _____ Set at _____

Type Packer _____

Tbg Cap. _____ Csg. Cap. 6.3

Annular Cap. _____ Open hole cap. _____

Fluid to load 3 1/2 Trtg. Fluid 7

Flush 0.6 Overflush 3

Total load to recover _____ fl. bbl

TIME	TBG	CSG	PRESSURE	FLUID RATE	REMARKS
				PMPD	BPM
1054	200	7	200	7	Spacer 7 ft. fluid to set.
1070	100	7	100	7	All well in pipe shut down to pick up flush.
1070	600	8	600	8	Start flush at 100 psi + new break.
1071	1900	10	1900	10	Pressure increased to 1700 psi + new break.
1073	1700	16	1700	16	All flush shut down
1077	100	-	100	-	Open valve + closed down
1044	-	-	-	-	All pressure off start sub.

Max. Press. 1900 Min. Press. 160

Rate on Frac _____ Flush _____ Avg. Rate 3 1/2

ISDP 300 Type Flush water

Operator maximum trtg. pressure 4000 Test Western connections to _____

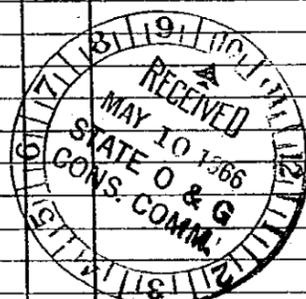
Remarks Lead casing pipe via casing with 300 gal Sulfuric acid.

#119

FR 121

COMPANY	LEASE	WELL NO.	MAP NO.	COUNTY	PAGE
LOCATION	I. P.	ELEV.	DESCRIPTION BY:		

FROM	TO	LIMESTONE		POR %	SAT %	DOLOMITE		SHALE		SAND		ANHY %	SALT %	CHERT %	REMARKS
		%	COLOR LITH.			%	COLOR LITH.	%	COLOR LITH.	%	COLOR LITH.				
2000	2100														
100	20														
20	30														
30	40														
40	50														
50	60														
60	70														
70	80														
80	90														
90	100														
100	110														
110	120														
120	130														
130	140														
140	150														
150	160														
160	170														
170	180														
180	190														
190	200														
200	210														
210	220														
220	230														
230	240														
240	250														
250	260														
260	270														
270	280														
280	290														
290	300														
300	310														
310	320														
320	330														
330	340														
340	350														
350	360														
360	370														
370	380														
380	390														
390	400														
400	410														
410	420														
420	430														
430	440														
440	450														
450	460														
460	470														
470	480														
480	490														
490	500														
500	510														



RICKEY-HOUSTON #119

19 121

COMPANY		LEASE		WELL NO.	MAP NO.	COUNTY	PAGE								
LOCATION				I.P.		ELEV.	DESCRIPTION BY:								
FROM	TO	LIMESTONE		POR	SAT	DOLOMITE		SHALE		SAND		ANNY	SALT	CHERT	REMARKS
		%	COLOR LITH.	%	%	%	COLOR LITH.	%	COLOR LITH.	%	COLOR LITH.	%	%	%	
10	20														
20	30														
30	40														
40	50														
50	60														
60	70														
70	80														
80	90														
90	100														
100	110														
110	120														
120	130														
130	140														
140	150														
150	160														
160	170														
170	180														
180	190														
190	200														
200	210														
210	220														
220	230														
230	240														
240	250														
250	260														
260	270														
270	280														
280	290														
290	300														
300	310														
310	320														
320	330														
330	340														
340	350														
350	360														
360	370														
370	380														
380	390														
390	400														
400	410														
410	420														
420	430														
430	440														
440	450														
450	460														
460	470														
470	480														
480	490														
490	500														
500	510														
510	520														
520	530														
530	540														
540	550														
550	560														
560	570														
570	580														
580	590														
590	600														
600	610														
610	620														
620	630														
630	640														
640	650														
650	660														
660	670														
670	680														
680	690														
690	700														
700	710														
710	720														
720	730														
730	740														
740	750														
750	760														
760	770														
770	780														
780	790														
790	800														
800	810														
810	820														
820	830														
830	840														
840	850														
850	860														
860	870														
870	880														
880	890														
890	900														
900	910														
910	920														
920	930														
930	940														
940	950														
950	960														
960	970														
970	980														
980	990														
990	1000														

119



COMPANY		LEASE		WELL NO.	MAP NO.	COUNTY	PAGE											
LOCATION				I.P.		ELEV.	DESCRIPTION BY:											
FROM	TO	LIMESTONE			POR	SAT	DOLOMITE			SHALE			SAND		ANHY	SALT	CHERT	REMARKS
		%	COLOR	LITH.			%	COLOR	LITH.	%	COLOR	LITH.	%	COLOR				
1120	1125					10	70		20			10						1000 20 20
1125	1130					10	70		20			10						1000 20 20
1130	1135	5							10			20						1000 10 40
1135	1140								10			20						1000 10 20
1140	1145					20	70		10			20						1000 10 10
1145	1150					20	70		10			20						1000 10 10
1150	1155					20	70		10			20						1000 10 20
1155	1160					20	70		10			20						1000 10 30
1160	1165					20	70		10			20						1000 10 30
1165	1170					20	70		10			20						1000 10 30
1170	1175					20	70		10			20						1000 10 30
1175	1180					20	70		10			20						1000 10 30
1180	1185					20	70		10			20						1000 10 30
1185	1190					20	70		10			20						1000 10 30
1190	1200					10	70		10			20						1000 20 30
1200	1210					10	70		10			20						1000 20 30
1210	1220					10	70		10			20						1000 20 30
1220	1230					10	70		10			20						1000 20 30
1230	1240					10	70		10			20						1000 20 30
1240	1245					10	70		10			20						1000 20 30
1245	1250					10	70		10			20						1000 20 30
1250	1255					10	70		10			20						1000 20 30
1255	1260					10	70		10			20						1000 20 30
1260	1265					10	70		10			20						1000 20 30

BIGGERS-NOVOTCH #119



DRILLING TIME

Wilson, Cady Harris
 660FS; 660F WL Sec 13-T20N-R26E
 Apache Co. Arizona

Footage	Drilling Time		Footage	Min	Sec
	Min	Sec			
1070-71	7		1134	27	30
72	4	-45	35	17	
73	4	-30	36	17	
74	4	-45	37	15	
75	5		38	17	-30
76	5		39	17	
77	6	-30	40	17	-30
78	8	-15	41	16	-30
79	5	-30	42	16	
80	5	-45	43	17	
81	5	15	44	-	
82	6	-	45	5	-45
83	6	45	46	4	
84	7	30	47	4	
85	6	15	48	5	
86	5	15	49	4	-30
87	6		50	4	
88	6	-15	51	3	
89	5	30	52	2	
90	6	3	53	8	
91	6		54	8	
92	7		55	8	
93	5	15	56	5	
94	7		57	8	-15
95	6	-45	58	10	-45
96	6	-30	59	9	
97	7	-30	60	11	15
98	8	-30	61	9	
99	5	-15	62	9	-15
100	5	more from	63	6	-15
101	5	30	64	7	-30
102	5	15	65	9	
103	6	15	66	8	
104	5	30	67	7	
105	6	45	68	6	
106	7	6	69	7	
107	8	8	70	11	
108	7	7	71	8	
109	7	30	72	7	
110	7		73	7	
111	6		74	-	
112	7	-45	75	7	
113	15		76	10	
114	6		77	12	
115	6		78	15	
116	15		79	15	
117	1		80	17	
118	1		81	14	
119	1		82	17	
120	1	10	83	22	
121	1	15	84	18	
122	1	5			
123	3	5			
124	9	5			
125	8				
126	14				
127	12				
128	40				
129	7	30			
130	11				
131	17				
132	19				
133	27	-30			



#119

JOHN K. PETTY

Date: Time Wilson #1 Harris

1184-85 SW 50, 3-19N 26E
Apache Co, Arizona

Footage	Time	Wilson	Harris
86	40 min	33	7 - 15
87	9	34	9
88	20	35	10 - 30
89	6' 30"	36	11 - 30
90	11	37	12
91	9	38	12 - 30
92	9	39	8
93	—	40	8
94	15	41	13
95	12 - 30	42	9
96	12	43	12
97	10	44	13
98	9	45	12
99	9 - 30	46	10
100	—	47	10
101	9 - 15	48	10
102	7	49	9 - 30
103	7	50	10
104	7 - 30"	51	10 - 15"
105	8	52	10 - 15"
106	9	53	12
107	8	54	12
108	10	55	11
109	13	56	13
110	19	57	16
111	11	58	13 - 30
112	19	59	10
113	15	60	8
114	14	61	11
115	25	62	11
116	19 - 30	63	10 - 30 sec
117	20	64	8
118	17	65	6
119	11	66	7 - 30
120	18 - 30	67	9
121	10	68	12
122	20	69	10
123	20	70	13
124	20		
125	10 - 30		
126	18		
127	21		
128	12		
129	15		
130	11 - 30		
131	7		

1231-32 8

1299-1230

1269-1270

JOHN K. PELLY



#119

JOHN K. PELLY

Casing measurements
before setting

5/17

Wilson #1 Cody Harris

SWSW 1/3 - T 20N - R26E
Apache Co Ariz

100' 8" set

1231.44' of 2 7/8" Tub. July 3, 1960 JAM

- 31.43
- 31.54
- 31.73
- 29.18
- 31.56
- ~~31.56~~
- 31.53
- 31.48
- 29.47
- 26.86
- 31.58
- 31.72
- 31.50
- 31.54
- 31.78
- 31.50
- 31.75
- 31.77
- ~~31.75~~
- 31.50
- 31.75
- 29.31
- 31.40
- 31.71
- 31.50
- 31.31
- 28.65
- 31.60
- 31.73
- 31.48
- 31.77
- 29.03
- 31.46
- 31.54
- 31.58
- 28.48
- 26.75
- 31.48
- 31.78
- 27.88
- 28.03
- 31.60

John Petty



#119

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR

DATE

LAYRON E. (LIE) WILSON BUCKLEFIELD

June 17, 1960

Address

P. O. BOX #325

NEW MEXICO
State

DESCRIPTION OF WELL AND LEASE

Name of lease	Well number	Elevation (ground)
CODY HARRIS	L	5630
Well location (give footage from section lines)	Section--township--range or block & survey	
660 FT PS SW 1/4 OF SECTION	SEC 15-T20N-R24E	
Field & reservoir (if wildcat, so state)	County	
NG near PINA DOME FIELD	APACHE COUNTY ARIZONA	
Distance, in miles, and direction from nearest town or post office		
600ft. East of Navajo, Arizona Post Office		
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling completed or applied—for well on the same lease:	
380 feet	None	
Proposed depth:	Rotary or cable tools	Approx. date work will start
2800	ROTARY	JUNE 16, 1960 (Location)
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
320	ONE (THIS WELL)	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
NONE		
Status of bond	IN PREPARATION	

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Representative.....of the above-named.....(company), 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.

June 21, 1960

Date

Signature

John K. Petty

John L. Petty
Consulting Geologist

Farmington, New Mexico

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Authorized by Order No.

4-6-59

Effective

April 6,

19 59

Permit Number:

119

Approval Date:

June 23, 1960

Approved By:

M. Wharton

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

See Instruction on Reverse Side of Form

119

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8 inch	20#	B	0	100	Circ	50sx <i>ok</i>
4 1/2 "	9#	B	0		Circ	Circ <i>ok</i>

Oil Range Natural Gas Company
Form 23-100 (4-57)

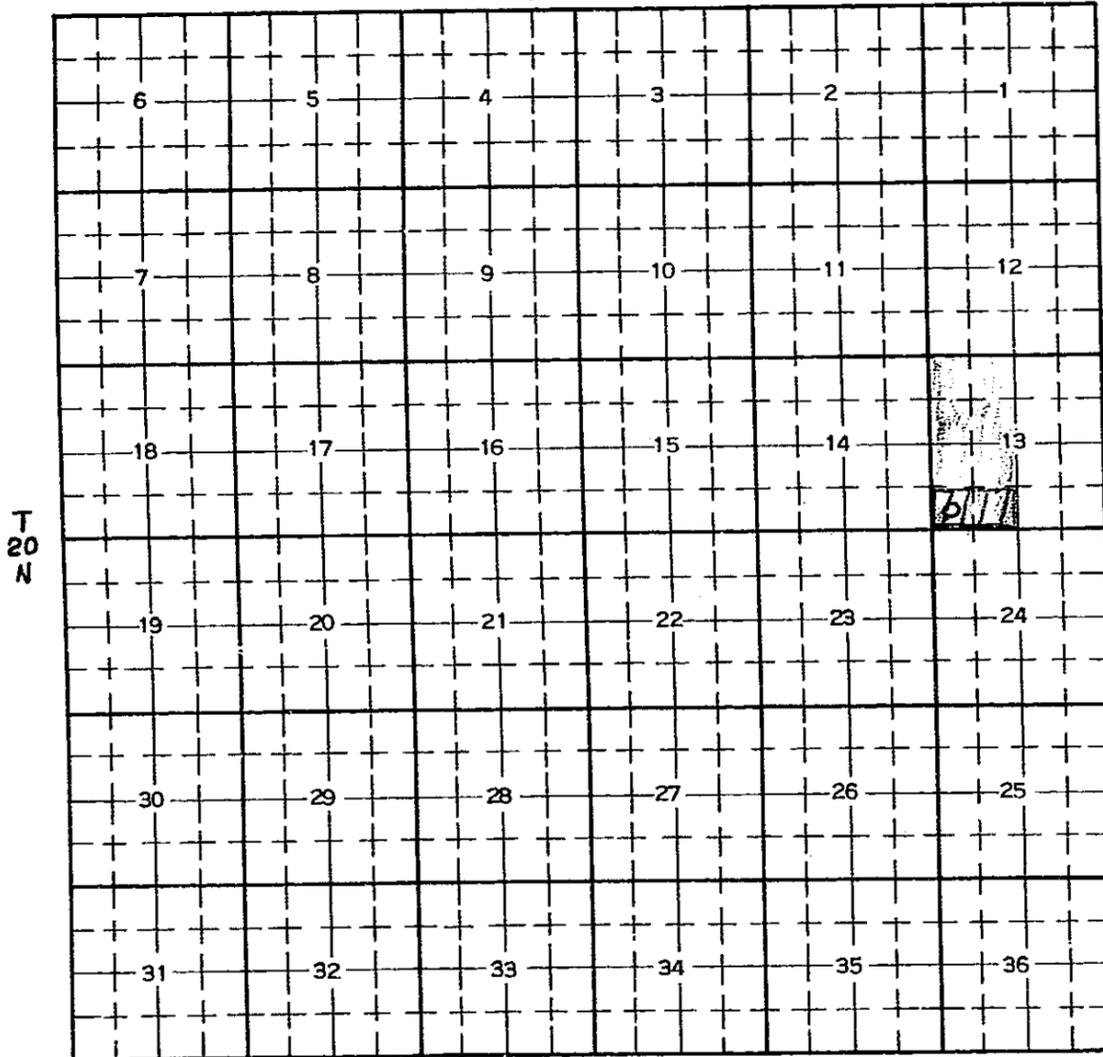
TOWNSHIP PLAT

(Scale: 1 in. = 1 mi.)

TOWNSHIP 20 N RANGE 26 E COUNTY Apache STATE Arizona

660 FS 1/2 W/2s of Sec. 13-1

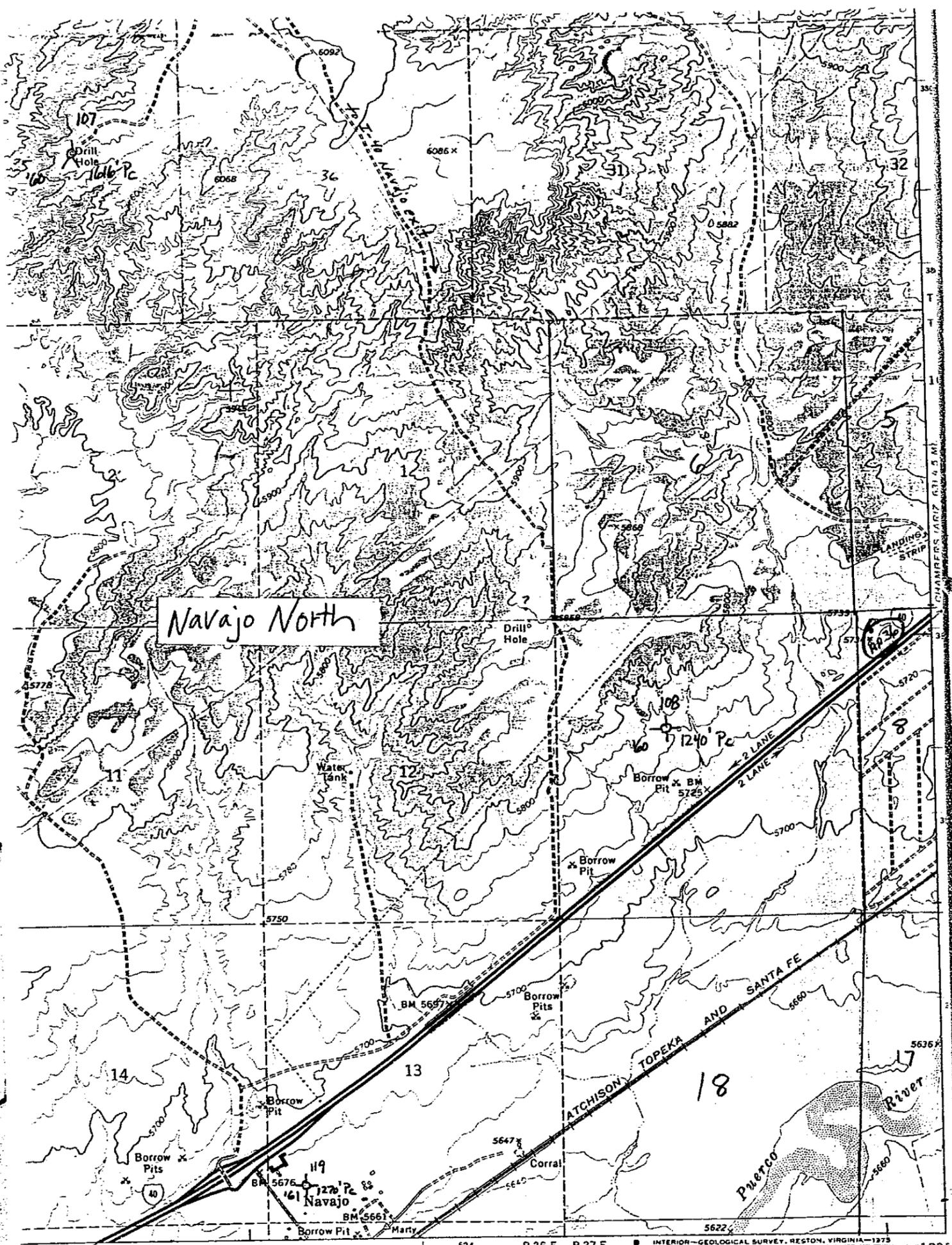
R26E



320 Acre Use (W/2 Sec 13)

80 Acres for Oil Well

119



Navajo North

ATCHISON TOPEKA AND SANTA FE

Pueblo River

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

February 23, 1962

PHONE DA 5-0301
211 1/2 W. MAIN - RM. 208

Mr. C. F. Griffin, Dr. E. C. Hagood
2830 Morningside N.E.
Albuquerque, New Mexico

RE L. E. Wilson #1 Cody Harris
660 FSMW Lines Sec. 13-T20N-126E
Apache County, Arizona

Gentlemen:

Attached find description of recent work done on the above well, as well as the finished prints of logs which Western Company left here.

I, of course, will keep a copy of this work and if further need arises for paper work you can let me know what you want.

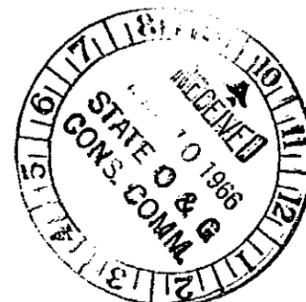
Thanking you for this work and hoping we may be associated with one another in some future work, I am

Sincerely,

John K. Petty
John K. Petty

JKP/ab

CC: Mr. Lee Wilson
Bloomfield, New Mexico



JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

February 28, 1962

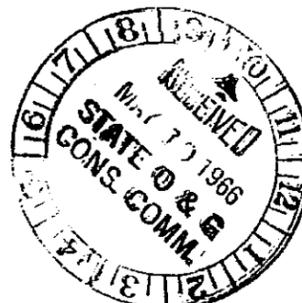
PHONE DA 5-0301
211 1/2 W. MAIN - RM. 208

L. R. (LEE) WILSON #1 CODY HARRIS 680 FS&M LINES
Section 13-T20N-226E Apache County, Arizona

- Jan. 25, 1962 - Moved rig to Gallup
- Jan. 26 - - - - - Moved rig on to well site at Navajo, Arizona. Cody Harris said rig couldn't be set up on location until permission from Lance Spurlock was obtained. C. F. Griffin arrived from Albuquerque and pursued reconciliation to point where work could begin. Cement was at 101h.
- Jan. 27 - - - - - Obtained 10 foot steel bar from Boardman Machine Shop at Gallup and with it at bottom of polish rod the Wilson Swabbing Unit was set up to pound the cement plug down or drill it out. Attempt at Sampling was made with opening at base of 10 ft. steel on bottom. Cement only was obtained in Sample. No footage was gained and cable was strapped at 101h.
- Jan. 28 - - - - - Pounding and jarring the cement is unsuccessful. Unable to contact supply house at St. John's, Arizona. No drill pipe to drill out cement in 2 1/2" I.D. tubing available in Gallup, Grants or Albuquerque. C. F. Griffin obtained "Star Drill" type bit from Boardman at Gallup. Acid was applied to hole and after agitating with swab, one half barrel of 15 percent hydrochloric low tension gas well acid was left in hole overnight with hopes of its effervescing the cement and otherwise loosening it thus making it possible to be drilled thru for 100 feet.
- Jan. 29 - - - - - Drilling Halliburton plug and made 5 feet in cement by 12 AM. Came out of hole with tool which was well cleaned by hydrochloric acid which was still strong at 1 PM. Drilled for 2 hrs. with no gain. C. F. Griffin brought bailer and ten runs were made and plug material (mostly fiber) was recovered, also lumps of cement were recovered.
- Jan. 30 - - - - - Attempted to drill cement with no success. Abandoned attempt to drill out with swabbing equipment which consists of swab, swab line, motor and drum, mast, one length polish rod and one 10 foot fifty pound steel rod with star drill bit. Went to Farmington Tuesday nite.
- Jan. 31 - - - - - Helped Lee Wilson in phoning etc around to contact supply and equipment rentals etc. Western Company had already talked with McHutt Tool Company. Arrangements were made with them to rent drill pipe etc for drilling out cement in 2 1/2" I.D. tubing. McDonald Bit Company of Cortez, Colorado made the bit.
- Feb. 1 - - - - - Lee Wilson and I came to Navajo-well location-by way of Cortez, Colorado to obtain bit. (30 miles extra). Obtained bit and arrived at Navajo in afternoon began preparation to drill plug.
- Feb. 2 - - - - - W. T. "Bill" Myers rig moved on location and with bit & drill pipe found cement top at 1019.65. Took two joints off and came up hole to 971. Blew hole with air. No communication in bit (3 holes). Continued effort with no relief, filled hole with water and got circulation.
- Feb. 3 - - - - - Drilled to 1127 in tubing and cleaned out.



- Feb. 4 - - - - - ran Gamma-ray Neutron log to 1123. Moved W. T. Myers rig off. Swabbed hole to about 1050 and put one barrel acid in tubing on top water in preparation to perforate. The Western Co. perforated 945-954 with 2 shots (.30" d) per foot jets. Acid covered all perforations and there was no blow.
- Feb. 5 - - - - - Perforated intervals 977-33, 6 feet - 12 holes; 1063.5-72.5, 4 feet - 5 holes; 1099-1116 $\frac{1}{2}$, 17 ft - 34 holes. Shot strip stuck on last set of perforations. Western Co. sent fishing tools from Farmington and got fish out. Finished perforation of last interval at night. Got whining blow of air-gas which shook loose joint of surface pipe. Air-gas blow was let leak thru a fitting that night. Gas bubbles and slight blow on perforations 1099-1116 $\frac{1}{2}$ and stronger blow from perforations 977-933
- Feb. 6 - - - - - No blow when valve opened. Swabbed acid. No blow after swabbing. *Perf 1052-64*
Perforated 820-24, 4 feet-8 holes; 885-82, 4 feet-8 holes; 983-992, 9 feet - 18 holes; 1044-50, 6 feet - 12 holes; 1051-1077, 7 feet - 14 holes. The Western Company and John K. Petty were released.
- Feb. 7 - - - - - Swabbed hole for 2 $\frac{1}{2}$ hours
- Feb. 8 - - - - - "
- Feb. 9 - - - - - "
- Feb. 10 - - - - - "
- Feb. 11 - - - - - "
- Feb. 16 - - - - - Fraced all perforations with 500 gallons of 7 $\frac{1}{2}$ percent hydrochloric acid. Put in 98 balls while acid was going into perforations. Highest break down pressure reached when acid entered sands was 1900 pounds. began swabbing acid
- Feb. 17 - - - - - Continued swabbing. No show of a blow of air or gas. Filled bottom of hole to 1000 with "Oklahoma plug". (Surface sand). Continued swabbing.
- Feb. 18 - - - - - Stuck swab in the sand at around 1000 feet on first run. Broke two bolts in clutch. Shut down for repairs.



13-20N-26E
660' FWL-660' FWL
Layton E. Wilson
Cody Harris

WILDCAT, Pinta Is. Area; proposed helium test; elev
5730' GL; spud 6-18-60; 8" 100'/50 sx; 2 7/8" 1260'/50 sx;
no cores or tests; TD 1270'. FINAL REPORT.

09#119

May 20, 1966

Mr. Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Dear Mr. Wilson:

Please be advised that Mr. John Petty of this city has completed the plugging of the captioned well and has filed the necessary reports with this office.

Consequently the files on this well are considered closed and we consider you under no further liability to this Commission.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: Attorney General, Attention Mr. John McGowan

Mr. John K. Petty

JOHN K. PETTY
Consulting Geologist

2134 W. KEIM DRIVE
PHOENIX, ARIZONA 85015

PHONE 274-6000

Jim Davis - Layton Wilson Lease
expired 1962

New Operators Jan 1962

Tiffin & Haggard

Albuquerque, New Mexico

began work Jan 1962

#119



JOHN K. PETTY
Consulting Geologist
May 6, 1966

2134 W. KEIM DRIVE
PHOENIX, ARIZONA 85015

PHONE 274-6000

Mr. John Bannister, Executive Secretary of
Oil & Gas Conservation Commission
State of Arizona
1724 W. Adams
Phoenix, Arizona

re WILSON #1 CODY HARRIS SEC L# 13-20-26, APACHE CO. ARIZONA
PERMIT #119

Dear John:

Herewith find history of above well from its commencing to
its final plugging and abandonment, and otherwise containing
the following information:

1. Plugging Record OGCC form 10
2. Well completion report and well log OGCC form #4
3. Scout Ticket.
4. July 6, 1960 letter to J L Davis from J K Petty
5. Sample description of well samples.
6. April 19, 1961 letter to J L Davis from J K Petty
7. Drilling time 1070-1270
8. Measurements resulting in casing strapping.
9. Sample log of well
10. Page denoting Operator change on Jim Davis-Layron Wilson
lease to Griffen and Hagood.
11. Letter from C F Griffin to J K Petty
12. January 4, 1962 letter to Dr. E C Hagood & C F Griffin from
J K Petty
13. April 17, 1962 letter to C F Griffin from J K Petty
14. Treatment report by the Western Company on perforating
and acid treatment.
15. February 28, 1962 report on work done, to C F Griffin
and Dr. E C Hagood from J K Petty (Jan25 thru Feb 18, 1962)
16. Two Gammatron logs, one with tops and perforation intervals
marked *on one*.

Trusting this information and the fact that the well has been
plugged according to your specifications is satisfactory to you,
I am

Sincerely

John
John Petty

cc: Layron Wilson, Bloomfield, New Mexico
encl



May 6, 1966

Attorney General
State Capitol
Phoenix, Arizona 85007

Attention: Mr. John M. McGowan

Re: Wilson #1 Cody Harris well
SW SW 13-20N-26E, Apache County, Arizona
Permit 119

Gentlemen:

Receipt of your letter of May 3, 1966 is acknowledged.

Please be advised that Mr. John Petty contacted this office on May 3, 1966 and advised that Mr. Wilson had contacted him to plug this well. Mr. Petty informed this office that he would see that this well was plugged sometime during this week. We have not as yet heard anything further. At such time as Mr. Petty does advise this office, we will let you know.

Your cooperation is greatly appreciated.

Very truly yours,

John Bannister
Executive Secretary
mr

DEPARTMENT OF LAW
OFFICE OF THE
Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

DARRELL F. SMITH
THE ATTORNEY GENERAL
WILLIAM E. EUBANK
CHIEF ASSISTANT ATTORNEY GENERAL

May 3, 1966

Mr. John Bannister
Executive Secretary
OIL AND GAS CONSERVATION COMMISSION
Room 202, 1624 West Adams
Phoenix, Arizona 85007

Re: Wilson #1 Cody Harris Well,
SW/4SW/4 13-20N-26E,
Apache County, Arizona,
Permit 119

Dear John:

Enclosed is a xerox copy of a letter received this morning from L. E. (Lee) Wilson Drilling Co. at Bloomfield, New Mexico. Has Mr. Petty contacted you regarding when he will take the action?

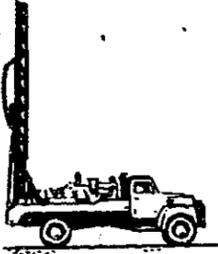
Sincerely,

DARRELL F. SMITH
The Attorney General



JOHN M. MCGOWAN
Assistant Attorney General

JMM:mr
Enclosure



L. E. (LEE) WILSON DRILLING CO.
CORING & EXPLORATION DRILLING

P. O. BOX 325
BLOOMFIELD, NEW MEXICO

ME 2-2874

April 30, 1966

Attorney General
159 Capitol Building
Phoenix, Arizona 85007

Attention: Mr. H. John McGowan

Re: Wilson #1 Gody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Dear Sir:

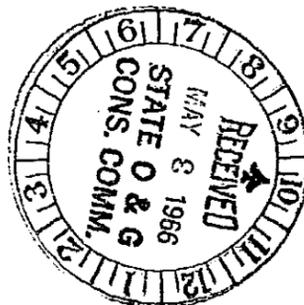
In reply to your letter of April 27, 1966. I have engaged Mr. John Petty to have the above well plugged for me and the necessary papers filled out for the abandonment of the well.

Very truly yours,

L. E. Wilson
L. E. Wilson

cc: Mr. John Bannister
Executive Secretary

Mr. John Petty
2134 W. Keim Dr.
Phoenix, Arizona



April 27, 1966

Attorney General
159 Capitol Building
Phoenix, Arizona 85007

Attention: Mr. John McGowan

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Gentlemen:

This office has had no reply to our letter of February 24, 1966 to Mr. L.E. Wilson, nor has the captioned well been plugged.

Will you therefore initiate as soon as possible the necessary legal action to accomplish the plugging of this well and the filing of the necessary forms with this office.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: Mr. L.E. Wilson
P.O. Box 325
Bloomfield, New Mexico

February 24, 1966

Mr. L.E. Wilson
L.E. (Lee) Wilson Drilling Co.
P.O. Box 325
Bloomfield, New Mexico

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20N-26E, Apache County, Arizona
Permit 119

Dear Mr. Wilson:

The Attorney General's Office of the State of Arizona has furnished us with a copy of your letter dated February 10, 1966.

Inasmuch as the drilling permit was taken out by you and the bond to cover the work on this well was to be furnished by you; and inasmuch as the Hagbert Insurance Agency by telegram had informed us that an application for bond had been made by you, and in reliance upon this telegram a drilling permit was issued to you, this office has no choice but to look to you as the one of prime responsibility for the plugging of this well.

Mr. John Petty of this city, who apparently did some geological work on this well, has contacted this office and advised that you have requested that he take the necessary steps to see that this well is plugged and that other necessary forms and information be supplied to this office.

This letter is to advise you that this office will grant a reasonable time, i.e., (60 days from date of this letter) in which to accomplish this work. Should this work not be done by then we will have no alternative but to instruct the Attorney General to pursue this matter further.

We will appreciate such cooperation as you give.

Very truly yours,

John Bannister
Executive Secretary
MB

FU
4-24

AG has file

JS



DEPARTMENT OF LAW
OFFICE OF THE
Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

DARRELL F. SMITH
THE ATTORNEY GENERAL
WILLIAM E. EUBANK
CHIEF ASSISTANT ATTORNEY GENERAL

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 27, 1966



Mr. Layron E. Wilson
Post Office Box 325
Bloomfield, New Mexico

Dear Mr. Wilson:

COPY

On September 2, 1965, Mr. John Bannister, Executive Secretary of the Oil and Gas Conservation Commission of Arizona, wrote to you by certified mail informing you of the need to plug the well that you drilled in Apache County described as follows:

Wilson #1 Cody Harris well
SW/4SW/4 12-20N-26E, Apache County, Arizona
Permit 119

To date you have taken no action on this matter and this letter is to serve as a formal notice to you to take action or we will take legal steps in this matter. It would be appreciated if you would contact Mr. John Bannister immediately and notify him of your action in this matter.

Sincerely,

DARRELL F. SMITH
The Attorney General

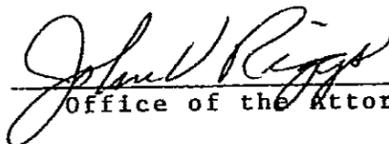
JOHN M. MCGOWAN
Assistant Attorney General

JMM:mr
cc: Mr. John Bannister
Mr. W. A. Hagberg

January 17, 1966

Received from the Oil & Gas Conservation Commission
entire file No. 119, Wilson #1 Cody Harris well

Signed

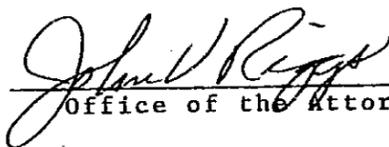


Office of the Attorney General

January 17, 1966

Received from the Oil & Gas Conservation Commission
entire file No. 119, Wilson #1 Cody Harris well

Signed



Office of the Attorney General

December 21, 1965

Attorney General
159 Capitol Building
Phoenix, Arizona 85007

Attention: Mr. John McGowan

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Gentlemen:

On September 23, 1965 the assistance of the Attorney General's office was requested concerning the captioned well. On November 15, 1965 additional data was submitted.

As you will recall, an application had been made by Mr. Wilson for a bond, but inasmuch as a premium was not paid the bonding company failed to issue a bond.

We have contacted Mr. Wilson, but so far have not received his cooperation.

This letter is to request that you advise us what action has been taken by your office on this matter.

Very truly yours,

John Bannister
Executive Secretary
mr

November 15, 1965

Attorney General
159 Capitol Building
Phoenix, Arizona 85007

Attention: Mr. John McGowan

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Gentlemen:

Pursuant to our conversation with Mr. John McGowan on this date, I am enclosing the following:

- (1) Permit 119 whereon you will note that under caption "Status of Bond" we are advised the bond is being prepared.
- (2) Letter dated June 20, 1960 from Mr. John K. Petty who was the geologist on this well wherein it is stated that the "Gogbert Insurance Company" in Gallup, New Mexico was preparing the bond.
- (3) Copy of a note evidencing a telegram, said telegram being June 23, 1960 and timed at 12:15 p.m.
- (4) Letter dated June 10, 1965 from The Hagberg Agency saying that application had been made but that no premium was paid and no bond issued.

It is my feeling that these letters, telegram, and permit are possibly enough to constitute reliance that The Hagberg Agency was going to issue the bond and it is possible this may be sufficient to allow us to go back to the proposed bond company.

Attorney General
November 15, 1965
Page 2

Will you please advise at your earliest convenience if you
feel that we may make a claim against a bond company.

Very truly yours,

John Bannister
Executive Secretary
nr
enc

November 3, 1965

Attorney General
State of Arizona
Phoenix, Arizona 85007

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20-26E, Apache County, Arizona
Permit 119

Dear Sir:

On September 23, 1965 we wrote you concerning the captioned well. For your information a copy of our letter is attached.

This letter is to request information as to what action has been taken by your office concerning our letter; and in the event no action has been taken we request your help as set forth in our attached copy of letter.

We appreciate your cooperation.

Yours very truly,

John Darrister
Executive Secretary
nr
enc

September 23, 1965

Attorney General
State of Arizona
Phoenix, Arizona 85007

Re: Wilson #1 Cody Harris well
SW/4SW/4 13-20N-26E, Apache County, Arizona
Permit 119

Dear Sir:

The captioned well is being carried on our records as an abandoned location. The well was spudded in June, 1961 and apparently the last work on this well was completed in September, 1961.

Since that time the operator, Mr. Layron E. Wilson, has failed to comply with the Rules and Regulations of this Commission. We have repeatedly contacted him in attempts to get this well properly plugged and the necessary reports filed.

On September 2, 1965 we wrote to Mr. Wilson, c/o P.O. Box 325, Bloomfield, New Mexico. This was Certified Letter No. 231501 and the return receipt signed by Mr. Wilson was dated September 7, 1965.

Inasmuch as our attempts to contact Mr. Wilson to bring him into compliance with our Rules and Regulations have failed, will you please contact him to bring whatever pressure will be necessary to bring him into compliance with our Rules and Regulations.

At the time this well was commenced, Mr. Wilson had applied through the Hagberg Insurance Agency of Gallup, New Mexico, for a \$2,500 bond. However, Mr. Wilson did not pay the premium and consequently a bond on this well was never issued.

This Commission needs this well to be plugged and abandoned. Prior to this, we should have furnished to us copies of any logs (although our information indicates that none were run), an application to plug the well, a plugging record, and a

Attorney General

Page 2

September 23, 1965

well completion report.

Should you desire any further information, will you please advise.

Yours very truly,

John Bannister
Executive Secretary
BR

cc: Mr. Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

CERTIFIED
No. 231501

September 2, 1965

Mr. Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

Re: Wilson Cody Harris #1 well
SW SW 13-20N-26E, Apache County, Arizona
Permit 119

Dear Mr. Wilson:

We wrote you May 3, 1965 concerning captioned well. To date we have had no reply.

This well must be plugged immediately. Please contact this office for instructions.

Yours very truly,

John Bannister
Executive Secretary
NR

#1 - INSTRUCTIONS TO DELIVERING EMPLOYEE	
<input type="checkbox"/> Deliver ONLY to addressee	<input type="checkbox"/> Show address where delivered
(Additional charges required for these services)	
RETURN RECEIPT	
Received the numbered article described on other side.	
SIGNATURE OR NAME OF ADDRESSEE (must always be filled in)	
L. E. Wilson	
SIGNATURE OF ADDRESSEE'S AGENT, IF ANY	
DATE DELIVERED	ADDRESS WHERE DELIVERED (only if requested in item #1)
9-7-65	
GPO	

side)

CERTIFIED
No. 231501

September 2, 1965

Mr. Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

Re: Wilton Cody Harris fl well
SW SW 13-20N-26E, Apache County, Arizona
Permit 119

Dear Mr. Wilson:

We wrote you May 3, 1965 concerning captioned well. To date we have had no reply.

This well must be plugged immediately. Please contact this office for instructions.

Yours very truly,

John Hannister
Executive Secretary
HR

POST OFFICE DEPARTMENT OFFICIAL BUSINESS		PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE \$300	
INSTRUCTIONS: Fill in items below and complete #1 on other side, when applicable. Moisten gummed ends and attach to back of article. Print on front of article RETURN RECEIPT REQUESTED.		POSTMARK BY DELIVERING OFFICE SEP 2 1965 BLOOMFIELD N. MEX.	
REGISTERED NO.	NAME OF SENDER	RETURN TO	
	OIL & GAS CONSERVATION COMMISSION		
CERTIFIED NO. 231501	STREET AND NO. OR P. O. BOX STATE OF ARIZONA 1824 WEST ADAMS - SUITE 202 TELEPHONE: 271-5161		
INSURED NO.	CITY, ZONE AND STATE PHOENIX, ARIZONA, 85007		
CS5-16-71248-4			

No. 231501

RECEIPT FOR CERTIFIED MAIL—20¢

SENT TO	POSTMARK OR DATE
STREET AND NO.	
CITY, STATE, AND ZIP CODE	
<input type="checkbox"/> 10¢ shows to whom and when delivered	<input type="checkbox"/> 35¢ shows to whom, when, and address where delivered
If you want delivery only to addressee, check here	
FEE ADDITIONAL TO 20¢ FEE <input type="checkbox"/> 50¢ fee	
POD Form 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL	

P. O. Box 1071
Flagstaff, Arizona
June 14, 1965

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission, State of Arizona
Room 202, 1624 West Adams
Phoenix, Arizona

Re: Layron E. Wilson #1 Cody Harris, sec. 13 T 20N -
R 26E, Apache Co. Arizona, Permit #119

Dear John:

In answer to your letter of June 11 in regard to captioned well: yes, I was consulting Geologist on this well when Wilson and Jim Davis drilled it.

No logs were run when well was first drilled and tubing (2 7/8") was set in the hole at around 1200 feet. This well was shut in at the time.

I turned the information gained from sample interpretation over to the operator. As Wilson ran his own rig on this project, I think you'll gain desired information from him on the drilling operation.

I was by this well a year ago as Petroleum Geologist for your commission and it was shut in. Ted Spurlock said it would not flow so he couldn't use it as a water well, at that time at least.

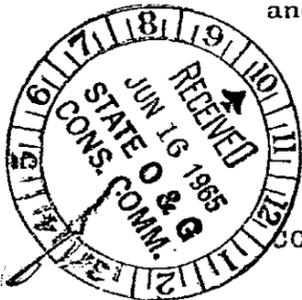
When we are completed with the Willett #1^{SDD} sec 24-T20N-R 5E, Coconino County, on which project I am writing this communication, I will be by your office where we can discuss the Layron Wilson well. By then perhaps you'll have contacted Wilson. I do have some further data on the well.

You can reach him by mail or phone at Bloomfield, New Mexico and Jim Davis is somewhere in California.

Yours truly,

John K. Petty
Petroleum Geologist

cc: Mr. L. E. "Lee" Wilson
Bloomfield, New Mexico



June 11, 1965

Mr. John K. Petty
P.O. Box 1071
Flagstaff, Arizona

Re: Layron E. (Lee) Wilson #1 Cody Harris well
SW/4SW/4 13-T20N-R26E, Apache County
Permit 119

Dear John:

In reviewing our files on this well we note that you apparently acted as consulting geologist for Mr. Wilson.

A check reveals that this permit was issued without bond and that, though we were advised by the Hagberg Agency, Gallup, New Mexico, that Mr. Wilson had applied for a bond, that no premium was paid and consequently no bond issued.

Apparently this well was drilled to 1200 feet, but we have no information in our file showing whether the well was plugged, left open, etc.

I would appreciate it very much if you would drop us a line telling us anything you can recall concerning this operation, or if you know where Mr. Wilson can now be contacted.

Yours very truly,

John Bannister
Executive Secretary
BT

THE HAGBERG AGENCY
Insurance

Post Office Drawer H
Gallup, New Mexico 87301

June 10, 1965

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

Re: Layron E. Wilson

Dear Mr. Bannister:

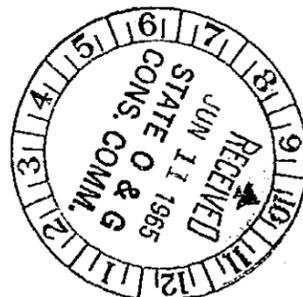
Relative to your letter of June 7, 1965 please be advised that on June 23, 1960 the above subject did apply for a \$2,500 Bond agreeing that he would bring in the premium. Said premium was never brought in, therefore no Bond was issued.

Yours very truly,

THE HAGBERG AGENCY

[Signature]
W. A. Hagberg

WAH/mg



#119

June 7, 1965

Hogbert Insurance Company
Gallup, New Mexico

Re: Layron E. (Lee) Wilson Cody Harris #1
SW/4Sw/4 13-T20N-R26E
Apache County, Arizona

Gentlemen:

By telegram of 6-23-60, your agency advised this office that L. E. Wilson had applied for bond in the amount of \$2,500, covering captioned well.

Will you please forward us a copy of this bond.

Your earliest cooperation is requested.

Yours very truly,

John Bannister
Executive Secretary
cb

May 3, 1965

Mr. Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

Re: Wilson Cody Harris #1 well
SW/4SW/4 S13-T20N-R26E, Apache County, Arizona
Permit 119

Dear Mr. Wilson:

According to information in the file on this captioned well, it was drilled to approximately 1,200 feet. It further appears that this well has been abandoned. Will you please information us as to the current status of this well.

According to Arizona's Statutes and our Rules and Regulations, an abandoned hole shall be plugged. We are enclosing a copy of the Rules and Regulations for your information. The plugging methods and procedures are set forth on Pages 17 and 18.

We are enclosing the forms necessary to report the completion of this well, i.e., the Application for Plugging, the Plugging Record, and the Well Completion Report. Duplicate copies of all logs (core, sample, electrical, etc.) must also be filed with this Commission.

We very much appreciate your cooperation in complying with Arizona Statutes. If you have any questions, or, if we may assist you in any way, please contact us.

Yours very truly,

John Bannister
Executive Secretary

abc

April 9, 1965

Mr. Rance Spurlock
Navajo, Arizona

Re: Wilson Cody Harris #1 well
SW/4SW/4 S13-T20N-R26E, Apache County
Permit 119

Dear Mr. Spurlock:

I have just been talking with John Petty over the telephone about the captioned well. He suggested that you might be willing to take this well over with the idea of eventually making it into a water well.

John says that the well is about 1,200 feet deep and that tubing has been set in the well and that apparently there is some fresh water in it.

The necessary form is enclosed and should be filled out and returned if you wish to accept the well as a water well. This will save us the trouble and expense of plugging it.

If there is any question about this, please let us hear from you.

Yours very truly,

J.R. Scurlock
Petroleum Geologist

nr
enc

cc: Mr. Ted Spurlock, Navajo, Arizona.

BOND NO. No record in files of bond receipt.
AMOUNT Memo of 6-23-63 say Hogbert Agency
CANCELLED Gallup, N.M.
ORGANIZATION REPORT acknowledges receipt
of Apple 1 for bond.
yes

#119 12

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

PHONE DA 5-0301
211½ W. MAIN - RM. 208

April 17, 1962

Mr. C. F. Griffin, Dr. E. C. Harrod
2330 Morningside NE
Albuquerque, New Mexico

RE Wilson #1 Harris
SW/4 Sec.13-T20N-R26E
Apache County, Arizona



Dear Mr. Griffin:

I was in vicinity of Havajo last week and realized I hadn't heard from you in some time. I still have several GR-N logs, etc. on your well - and a fair size pile of samples have been under a table since the well was drilled. I would suggest releasing the log.

Like I mentioned to you while we were driving to Gallup - the last time I saw you - I strongly recommend that you turn the well over to Cody and Vance Sparlock since there was never any blow of air large enough to measure. This will save you the plugging expense.

I wish there were further hope for the well as we would like as much development as possible there. It would be uneconomic to spend anymore on that well since the show was too small. Those other dry holes nearly had as much and more show than it and the operators were unable to complete them. The \$1559.93 worth of work plus Wilson's charges, was of course all I recommended spending on it since I have to try to keep on the economic side for reasonable pay out possibilities.

The night we perforated and had the little show, I went back to the well thirty minutes after most of us had gone to bed and there was no leaking or evidence of air-gas coming out. Nor was there any when I turned the valve. The top loose joint of tubing which rattled every time anything about the rig was moved was quiet. I had a pressure gauge which would measure to less than a pound, however, I didn't ever have opportunity to use it since we had no pressure. Then the next morning there was no blow.

#119

Since we perforated all the zones which had a possible chance of producing, there just wasn't anything there to make a well out of. The well is low structurally but was worth a try. In my first letter to you, I mentioned only to perforate the few zones where we thought you might have a chance. Of course I was only concerned with perforating the correlated zones, which we did.

Then after that, you did all the supervising and I will say that you did a good thorough job of it even though the operation was unsuccessful.

I am going to plug the first well, drilled in my name April 13, a task I do not relish. The people employing me to drill it for them would spend more money on it in fracturing etc., however, I showed them why I thought it would be uneconomic and they agreed.

Hoping you are both healthy and happy and that the rest of the year will be the best you have ever enjoyed, I am

Sincerely,

John
John

JXP/ab

cc Dr. Hargood

cc Dr. Hargood

cc Dr. Hargood

Since we perforated all the zones which had a possible chance of producing, there just wasn't anything there to make a well out of. The well is low structurally but was worth a try. In my first letter to you, I mentioned only to perforate the few zones where we thought you might have a chance. Of course I was only concerned with perforating the correlated zones, which we did.

Then after that, you did all the supervising and I will say that you did a good thorough job of it even though the operation was unsuccessful.

I am going to plug the first well, drilled in my name April 18, a task I do not relish. The people employing me to drill it for them would spend more money on it in fracturing etc., however, I showed them why I thought it would be uneconomic and they agreed.

Hoping you are both healthy and happy and that the rest of the year will be the best you have ever enjoyed, I am

Sincerely,

John
John

JKP/ab

cc. Dr. Hargrett

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

PHONE DA 5-0301
211½ W. MAIN - RM. 208

April 19, 1961

Mr. J. L. Davis
5330 Montview
Denver, Colorado



Re: Wilson etal #1 Harris
SE Sec. 13-T20N-R26E
Apache County, Arizona

Dear Mr. Davis:

Pertinent data for above well is as follows: Commenced drilling 6-15-60 and set 2 7/8" tubing July 3, 1960, Elevation 5632 Derrick Floor. Total Depth is 1270 in the Coconino sandstone.

Since all air blows noticed in the area and checked have contained around 8 percent helium, special observance was maintained on this well for detection of same.

At the following depths listed below, definite air blows were detected by the bubbling of the circulation medium which was mud cut water - just mudded enough to serve its purpose. Definite blows were detected at these depths - 960; 1060; 1085 - 1110; 1115. There is approximately fifty feet of pay sand and conglomerate in this well. The strongest blows were noted at 1085 and 1115. This is in the Shinarump Conglomerates and Sands. The upper "Bubble" zones are in the Chinle conglomerates. The porosity is believed to be more than twenty percent in all of these zones since the conglomerate was partly unconsolidated and part loosely cemented with calcareous material, drilled rapidly and the conglomeratic pebbles as well as the sand grains are subround in shape, such configuration being necessary for high porosity.

From evidence submitted above, I believe you have a well even though no acid or fracture treatment is used in your completion procedure. However, I suggest you use both with discretion and believe your well will potential several million cubic feet of gas which, according to all the other gas analysis in the area, should be around 8 percent Helium and have around one hundred pounds pressure.

According to evaluations of the shut in wells of the Pinta Dome area a well potentialling what is predicted for yours in one of the foregoing paragraphs should produce for more than twenty years. No abandonment pressure

#119

need be used since in the last stages of production wells of this type should be produced on a vacuum.

When the Kerr McGee Pinta Dome Helium plant begins operations your well will pay for itself with less than a year's production. The erection of a Helium Plant is a certainty because the reserves in the area are more than enough to support it for twenty years satisfying their monthly production requirements of separated Helium. The inadequate reserves was the only drawback for the plant. Since they have been drilled in there is no obstacle to Kerr McGee in building their plant.

I have stated this in evaluation reports I have made on the areas for individuals who have me to make an evaluation report so that they may determine whether or not they wish to participate in trading or drilling and producing operations or not. For some it has been suggested that they purchase leases on sections which have dry holes on them with the purpose in mind of drilling an entirely new well, very carefully watching for the blows and bubbling indicative of air and gas blows which always contain around 8% Helium in the area. To some clients, I suggest royalty purchasing. This even to the point of evaluating the royalty under each section determined by porosity, permeability, thickness of section and potential of the drilled well if any.

Since you have been successful in Pinta Dome by participating in drilling wells, royalty purchasing and selling leasing activities in the area, you know more about the potentiality of development in the area than anyone I am acquainted with.

For your consideration I will outline a suggested completion procedure for your well in 13-20-26.

Run Gamma Ray log then perforate the predetermined intervals, selecting only the best footage in which the shows were found. A sample of the gas can be taken to the Navajo Helium Plant at Window Rock, New Mexico to determine the presence of Helium. Then test the volume of the gas with pitot tube. It will be well to test after each interval is perforated thus by accumulative results a tentative gauge for each zone and total zones can be determined, relatively. A sample of the gas from the first interval perforated, the lowermost zone, must be taken, then one of the blow from all zones. These samples must be taken and delivered as required to the United States Bureau of Mines at Amarillo, Texas. I can take care of all these for you as I have kept sample bottles from the Bureau which were originally procured for this well.

Then after the well has blown awhile, should you wish to increase the gas the casing can be filled to a point covering all perforations with

mud acid and agitated with a swab. I would suggest about ten swab runs per hour then remove remaining mud acid from hole. Test volume again every thirty minutes for from four to twenty-four hours as wished. Frac treatment can then be applied for further increase of gas if desired. A relatively simple head will suffice to shut the well in until production begins.

In conclusion, I will say that I believe by careful completion you can make a good well which will become very profitable to you.

Yours truly,

John K. Petty
John K. Petty

cc Mr. William P. Haley
Box #8
Rapid City, South Dakota

JKP/ab

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

January 4, 1961

PHONE DA 5-0301
211½ W. MAIN - RM. 208

Dr. E. C. Majood, 914 Jernice Ave SW
Mr. C. F. Griffin, 2330 Morningside NE
Albuquerque, New Mexico

RE Completion Procedure to be used
on Wilson #1 Harris SW Sec. 13
T20N-R26E, Apache County, Arizona

Gentlemen:

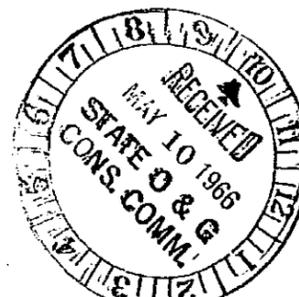
It is planned to move the Wilson rig over the above well and check the hole for junk. Then run the Gamma-ray Neutron log, correlate the Helium pay intervals, and begin perforating. I wish to perforate the highest zone then swab it, finding out what it will do naturally. Then perforate the next highest zone, swabbing it and noting any increase in blow by testing. A pitot tube will be used constantly for checking the gas blow after it becomes large enough to measure. If a large enough blow is obtained without water maybe we should decide to complete right then.

After the second perforations are swabbed and tested sufficiently for me to believe I know approximately the natural potential of each, each succeeding lower interval will be perforated, swabbed and tested accordingly.

When I am satisfied that we know what the perforated zones are potentiating natural and water is no problem, then the treatment will be begun with the gas well low tension acid. The pipe will be filled with approximately four hundred feet of acid covering all perforations and amounting to a little over 12 gallons of acid. This will not be disturbed for a while, then swabbed and agitated until it is spent. Repeated acid treatment should clean the mud from around the perforations and the contiguous formation. Swabbing and reacidizing and testing should continue for several days, to give the producing intervals full opportunity to produce to capacity.

If after several hours of swabbing and acidizing perforations a gas blow is not forthcoming and water is not too abundant, then we should administer around 300 gallons low tension pressuring to at least 500 pounds with the pump. This is the action which involves an extra \$471 dollars. I do not think we will need it, however.

#119



Then swabbing and testing will continue until completion. At this time the Christmas Tree or Head will be installed and the well shut in. The whole operation should last around six days and when that time is up the wellhead will be ready to connect into a pipeline to the Kerr McGee Helium plant.

This engineered completion procedure is thought to apply well to this particular situation. Curbing of the dreaded water problem will possibly be accomplished by handling the acid treatment as described. This procedure has been arrived at by studying the treatment of the producing as well as non-producing wells in the area. The Western Company is a perforating, logging and acidizing company whom I have been acquainted with since they first began in 1947 in Midland, Texas and were in the same building as I and we used them in west Texas, New Mexico and Kansas successfully. Then they have treated some of the wells in Pinta Dome, as has Halliburton. They will do the job much more economically as well as just as efficiently as the others.

Yours truly,

John K. Petty

John K. Petty

CC Mr. Griffin

encl.

JKP/ab

11/22/54

Albuquerque

A.M.

Mr. John Petty
Dear Sir,

Can you ~~not~~ send me the
 log on the well at Navajo Arizona
 that I and Jim Davis had
 wellson drill, and you took the
 readings of it you remember you
 told me it was a good well
 I and Dr. Haygood want to get
 it going so let me know or
 better yet if you could come
 down here we would have you
 get it going let us know right
 away if you can come call
 Dr. Haygood at C.H. 20560 or
 E. F. Griffin at al. 66793

2835 Montevideo NE

Albuquerque

Albuquerque New Mexico

Very Truly
E. F. Griffin

#119



August 9, 1960

Mr. Layron E. Wilson
Box 325
Bloomfield, New Mexico

Dear Mr. Wilson:

It is some time since you set pipe on the Cody Harris #1, Apache County, Arizona. We ask that you furnish this office with such geological information that you may have obtained from this well, such as logs, tests, etc., and your plans with regard to this well. It is my understanding that the Cody Harris went to 1200 feet plus. Mr. Petty, your representative, and your application to drill stated this would be a 2800 foot test.

With respect to your E.C. Hagood #1, Apache County, we have not received the bond. What are your plans for this well?

It is necessary that we receive this information as soon as possible.

Yours very truly,

W. F. Maule
Petroleum Engineer

WFM/ew

9/20/61
TD 1270 per Frank Starn

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

PHONE DA 5-0301
211½ W. MAIN - RM. 208

July 6, 1960

Mr. J. L. Davis
303 East Apache
Farmington, New Mexico



RE Wilson etal #1 Harris
SE Sec. 13-T20N-R26E
Apache County, Arizona

Dear Mr. Davis:

The above well, located in the Pinta Dome Helium Area, had shows of gas bubbling through the water used as a circulating medium.

These shows, in sands, are indicative of helium because all bubbling and blows in the area have tested around eight percent Helium.

Since you were certain of completing this well, the following week, you said not to swab the hole dry for a sample as you had the casing to run and the cement truck on the way and did not wish to delay the operation.

The blows noted came at the following depths: 960, 1060, 1085-1115. I believe there are two more possible intervals which you'll wish to perforate when the log is run and completion work is begun.

Recommended completion procedure is as follows. Run gamma ray log then perforate the selected intervals, selecting only the best footage where the shows were. Then testing the volume of gas with pitot tube. If you desire an increase in the gas we can fill the casing slightly above perforations with mud acid and agitate it from time to time with a swab - *by* swabbing at least ten times over a period of an hour more or less, then remove the mud acid from the hole. Test volume again securing sample and checking it at the Navajo Helium plant for presence of Helium, also sending a sample to Amarillo for a percentage test.

Then if an increase in gas is wished give it a frac treatment.

A relatively simple head will suffice to shut the well in until the contemplated Helium extraction plant is built.

#119

Kerr McGee and Eastern Petroleum have around ten shut in Helium wells in the area now and between these two companies, Crest Oil Company, Sierra Drilling Company and numerous independent operators there will be a dozen or so wells drilled in the area before 1961.

Interest in the area has increased very much the last few years and to the present Kerr McGee and Eastern Petroleum Corporation have spent so much money successfully drilling on and around Pinta Dome that it is very certain that a plant to process the Helium will be built in the near future.

Assuring you I appreciate this work I am

Yours truly,

John K. Petty

JKP/ab

Kerr McGee and Eastern Petroleum have around ten shut in Helium wells in the area now and between these two companies, Crest Oil Company, Sierra Drilling Company and numerous independent operators there will be a dozen or so wells drilled in the area before 1961.

Interest in the area has increased very much the last few years and to the present Kerr McGee and Eastern Petroleum Corporation have spent so much money successfully drilling on and around Pinta Dome that it is very certain that a plant to process the Helium will be built in the near future.

Assuring you I appreciate this work I am

Yours truly,

John K. Petty

JKP/ab

June 27, 1960

Mr. John K. Petty
Consulting Geologist
211 1/2 W. Main
Farmington, New Mexico

Room 217

Dear Mr. Petty:

We enclose the forms you requested in your letter of
June 24th, 1960.

Yours very truly,

W. F. Maule
Petroleum Engineer

WFM/ew
Enclosures

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO
June 24, 1960

PHONE DA 5-0301
211½ W. MAIN - RM. 217

Mr. D. A. Jerome, Executive Secretary
Arizona Oil and Gas Conservation Commission
Phoenix, Arizona

Dear Mr. Jerome:

Please send me six copies of your Organization Report,
8 of the Bond forms, and a dozen more Application
to drill forms.

Thanking you to send these as soon as possible, I am

Yours truly

John K. Petty
John K. Petty

TELEGRAM rec'd by phone

6/23/60 - 12:15 p.m.

To Mr. Jerome from ^{Hogbert} ~~Hogbert~~ Agency
Gallup, N. M.

L. E. WILSON HAS TODAY APPLIED
FOR DRILLING, CASING AND PLUGGING
BOND IN THE AMOUNT OF \$2500.

EW

June 23, 1960

Mr. John K. Petty
Consulting Geologist
c/o Layron E. Wilson
P.O. Box 325
Bloomfield, New Mexico

Dear Mr. Petty:

We are returning an approved copy of your Application to drill the Cody Harris #1 well, Apache County, Arizona. We enclose also a receipt for the \$25.00 for the drilling permit.

We hope your venture will be successful.

Very truly yours,

W. F. Maule
Petroleum Engineer

WFM/ew
Enclosures

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

June 20, 1960

Mr. D. A. Jerome, Executive Secretary
Arizona State Oil & Gas Conservation
3500 N. Central Suite 312
Phoenix, Arizona

OIL, GAS & MINING PROPERTY EVALUATION
PHOTO INTERPRETATION · WELL SITTING

JOHN K. PETTY
PETROLEUM & MINING
Farmington, New Mexico

211½ W. MAIN
Office DA 5-0301
Res. DA 5-5965
Seismic, Gravity, Magnetometer · Sub-Surface & Surface
Survey Planning and Interpretation · Geological Maps and
Cross-sections Made

Re: Lee Wilson #1 Cody Harris
330 FS & 660 FWs Sec 13-T20N-R26E
Apache County, Arizona

Dear Mr. Jerome:

Attached find the following in triplicate regarding the above well: Organization Report; Application for Permit to Drill; Plat showing well location, the eighty acres designated for this well and the three hundred twenty acres held in this lease.

The Hogbert Insurance Agency, Gallup, New Mexico is preparing Mr. Wilson's Plugging Bond and you should have been already notified today of its preparation having been initiated.

This is to be a twenty-eight hundred foot test or to pay at a lesser or greater depth.

The above confirms a telephone conversation of earlier today with Mr. Maule of your commission, and I trust fulfills initial requirements for this project.

Yours very truly

John K. Petty
John K. Petty

JOHN K. PETTY
Consulting Geologist
Oil, Gas & Minerals
FARMINGTON, NEW MEXICO

June 20, 1960

PHONE DA 5-0301
211 1/2 W. MAIN - RM. 212

Mr. D. A. Jerome, Executive Secretary
Arizona State Oil & Gas Conservation Commission
3500 N. Central Suite 312
Phoenix, Arizona

Re: Lee Wilson #1 Cody Harris
360 FS & 360 FWs Sec 13-T20N-R26E
Apache County, Arizona

Dear Mr. Jerome:

Attached find the following in triplicate regarding the above well: Organization Report; Application for Permit to Drill; Plat showing well location, the eighty acres designated for this well and the three hundred twenty acres held in this lease.

The Hogbert Insurance Agency, Gallup, New Mexico is preparing Mr. Wilson's Plugging Bond and you should have been already notified today of its preparation having been initiated.

This is to be a twenty-eight hundred foot test or to pay at a lesser or greater depth.

The above confirms a telephone conversation of earlier today with Mr. Maule of your commission, and I trust fulfills initial requirements for this project.

Yours very truly

John K. Petty
John K. Petty