

CONFIDENTIAL
Release Date 6-21-67

P-W

FERRIN #1 NMA
NW NW 22-19N-17E, Navajo County 344

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 HAROLD FERRIN Address P.O. Box 102 MESA, ARIZ.

Federal, State or Indian Lease Number or name of lessor if fee lease NMA Well Number #1 Field & Reservoir Wildcat

Location NW NW (660 FNL; 700 FWL) County NAVAJO

Sec. TWP-Range or Block & Survey Sec 22-19N-17E

Date spudded 3-15-66 Date total depth reached _____ Date completed, ready to produce _____ Elevation (DF, RKB, RT or Gr.) 5500 ± feet Elevation of casing hd. flange _____ feet

Total depth 1250 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) ROTARY (ALL) Cable tools used (interval) _____

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

Type of electrical or other logs run (check logs filed with the commission) INDUCTION ELEC. Date filed 5-15-66

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
<u>10 3/4</u>				<u>22</u>	<u>8 5x</u>	
<u>8 5/8</u>				<u>90</u>	<u>20 5x</u>	

TUBING RECORD

Size in.	Depth set ft.	Packer ft.	Top TBG ft.	Bottom SET ft.	Sacks cement	Screen (ft.)
			<u>No</u>			

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
			<u>NONE</u>	

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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'd 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 Operator of the Harold Ferrin (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 7-1-68

Signature Harold Ferrin

Permit No. 344

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy

Form No. 4

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Cocconino		403	<p>1700 403 397</p> <p>4</p>

* 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.

Form No. 4

TO: Oil and Gas Conservation Commission
State of Arizona
1624 W. Adams, Room 202
Phoenix, Arizona 85007

This is to advise you that I accept the abandoned wildcat well, known as the
FERRIN #1 NEW MEXICO ARIZONA located on the NW4 of NW4 1/4-1/4
of Section 22 Township 19N Range 17E, County of Navajo
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of
the above well, including final plugging, in full compliance with the Rules
and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the
State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any
applicable requirements of U.S. Geological Survey.

Signature W. J. Wyrick
Address 11013 Bales Ave
Winslow, Ariz.

State of ARIZONA
County of NAVAJO

On this, the 10 day of June, 19 68, before me, _____
~~Erna Ingels~~ Erna Ingels, the undersigned officer, personally appeared

W. J. Wyrick, known to me (or satisfactorily proven)
to be the person whose name is subscribed to the within instrument and ack-
nowledged that he executed the same for the
purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Erna Ingels
My Commission expires June 6, 1972

State of Arizona
OIL & GAS CONSERVATION COMMISSION
WATER WELL ACCEPTANCE
Form 26 - File one copy

WELL SITE CHECK

By [Signature]
Date 6-6-68

Contractor _____ Person(s) Contacted _____

Spud date _____

Type Rig _____ Rotary _____ Cable _____ Present Operations _____

Samples _____

Pipe _____ Drilling with Air _____ Mud _____

Water Zones _____ Size Hole _____

Last Circ. Zones _____ Size Drill Pipe _____

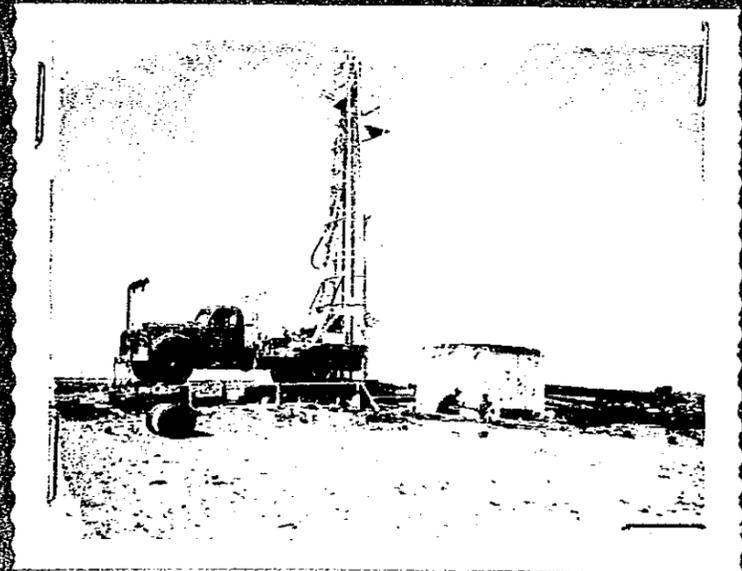
Formation Tops _____ Type Bit _____

Cores, Logs, DST _____ No. Bit _____ Drilling Rate _____

_____ Formation _____

Crews _____ Lithology _____

REMARKS, PHOTO, MAP



(Location should be cleaned up.)

Section #1, NMA

Permit No. 344

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Harold Ferris
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name #1 NMA
 Location NW NW
 Sec. 22 Twp. 19N Rge. 17E County Navajo, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____
 5. Field or Pool Name NMA Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD 1250 in Supai formation
 Have shut down temporarily. Mud in hole.
 Rig still on location (Failing rig)
 Have requested extension of permit until
 Jan 1, 1968.



8. I hereby certify that the foregoing is true and correct.

Signed X Harold Ferris Title owner Date 6-20-67

Permit No. 344

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator HAROLD FERRIN

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Ferrin #1 NMA Well

Location NW NW 22 - 19 N - 17 E

Sec. 22 Twp. 19 N Rge. 17 E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Fee - NMA Land Co.

5. Field or Pool Name Wildcat

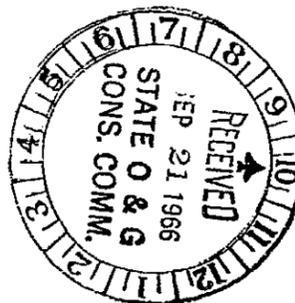
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1966
 Aug. 11 & 12 Worked all day repairing drilling equipment
 Aug. 22 Pulled all swabing tubing in preparation for deeper drilling
 Aug. 27 Worked on electrical accessories of drill rig.
 Aug. 28 Continued to work on drill motor.



8. I hereby certify that the foregoing is true and correct.

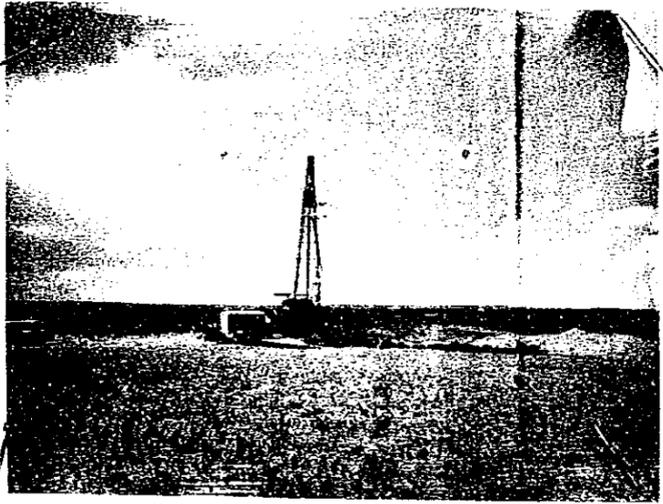
Signed Harold Ferrin Title Operator Date Sep 19, 1966

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Permit No. 344

CONFIDENTIAL

Release Date _____



Aug. 4, '66

Ferrin: shut down.

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From Desk of

JOHN BANNISTER

Ferrin #1 NMA \$344
By Phone 7-26-66

Oil shows (5-10 BOPD) from
Upper Supai at 910'.
Shows lower Supai - 1250'
Was making 6 gal. salt water
per hr. - set packer - later
pulled packer & making salt water
(no est.) from 900'.

Plans to get larger rig & go to Ft.
Apache (approx 1600') - then if
necessary re-work Supai

WELL NAME: FERRIN # 1 NMA

LOCATION: NW NW SEC. 22-T15N-R17W, NAVAJO COUNTY, ARIZONA

ELEVATION: APPROXIMATELY 5000' G.L.

SPUD MARCH 15, 1966

10 3/4 CONDUCTOR PIPE AT APPROXIMATELY 22'

68' 8-5/8 MARCH 25TH W/20 SX

MARCH 28 68-110
" 29 110-190
" 30 190-260
" 31 REPAIR MUD PUMP
APRIL 1 260-325
" 2 325-370
" 3 "
" 4 WAITING ON GEOLOGIST TO RUN TEST (JOE BARRETT)
" 5 370-403
" 6 DST 407-11 2 MISRUNS
" 7 " 407-11 OP 23 MIN. STRONG BLOW - DIED - NO GAS - NO RECOVERY
(DIDN'T HAVE BALL SEAT). BARRETT TOOK AIR SAMPLE FOR ANALYSIS
" 8 FISHING
" 9 REAMING
" 10 SUNDAY
" 11 465-551
" 12 551-591
" 13 PUMP REPAIR
" 14 "
" 15 "
" 16 "
" 17 SUNDAY
" 18 WAITING ON PUMP PARTS
" 19 " " "
" 20 " " "
" 21 PREPARING TO DRILL
" 22 DRILLED TO 610-5' HOLE EVERY 12 MINUTES
" 23 610-645 - REDUCED HOLE SIZE @ 610 (REDUCED TO 4 3/4")



#3148

2

APRIL 24 SUNDAY

" 25 645-765 - 5' EVERY 14 MINUTES

" 26 765-910

" 27 910-910 DRILL PIPE STUCK

" 28 910-1010 5' HOLE EVERY 18 MINUTES - 910-930 SHOW OIL

" 29 HAULED WATER

" 30 1010-1075 - 5' HOLE EVERY 12 MINUTES

MAY 1 1075 SUNDAY

" 2 1075-DRILL PIPE STUCK 110 GAL. DIESEL

" 3 1075-1115 LOST CIRCULATION @ 1155

1175-95-5' HOLE 20 MINUTES

95-35-5' " 30 "

35-40-5' " 10 "

40-45-5' " 12 "

45-50-5' " 13 "

50-55-5' " 15 "

MAY 4 PREPARING FOR DST

" 5 RUNNING DST - DISK FAILED TO PUNCTURE

" 6 DST 1130-1155 OPEN 30 MINUTES - STRONG BLOW FOR 5 MINUTES
 QUIT REC. 825' WTR. (90' CLEAR - 735' SLIGHTLY MUDDY) PIPE
 HOLDS 4 GAL. PER 30' = 110' GALS. WATER ANALYSIS SENT IN AND
 RETURNED.

MAY 7 NO ACTIVITY

" 8 SUNDAY

" 9 NO ACTIVITY

" 10 RAN SCHLUMBERGER - ES IND. - FORMATION DENSITY LOG >

" 11 NO ACTIVITY

" 12 SET 30' CEMENT PLUG @ 924 - WILL SET PACKER @ 913 AND SWAB

" 13 NO ACTIVITY

" 14 NO ACTIVITY

" 15 NO ACTIVITY

" 16 CLEANING UP HOLE PREPARING TO SWAB

" 17 SWABING 300' FROM SURFACE. SWB 4 1/2 HOURS @ 100 GAL PER MIN (DRILLER)
 ZONE 913-24.

" 18 RESETTING PLUG-UP HOLE. WILL SWB TOMORROW

" 19 NO ACTIVITY

" 20 NO ACTIVITY

" 21 SWABING (PACKER @ 892-916) 1 SX CEMENT PLUG BELOW 916 AFTER

344

(CONT'D) MAY 21 8TH SWAB STARTED TO CLEAN UP - SLIGHT SCUM ON POND - REC. 90%
WTR 10% MUDDY WTR. SWABBING 80' OFF BOTTOM. - 35 GAL. PER
SWAB - 29 SWABS PER HOUR (875 GAL. PER HOUR.) APPROXIMATELY 22
BWPH AFTER 2-1/2 HOURS STILL SWABBING 80' OFF BOTTOM. CLEAR
WATER.

MAY 22 SHUT DOWN

" 23 CONTINUED TO SWAB - SAME RESULTS - 1ST FEW SWABS GETTING SCUM
OF OIL

" 24 SHUT DOWN - LOOKING FOR WATER TANK - DECIDED NOT TO TEST ZONE ABOVE
892.

" 25 SHUT DOWN 344

" 26 DRILLING

" 27 DRILLING - NO RETURNS FROM 1155-1246 - LOST CIRC. MATERIAL NO
HELP.

" 28 DRILLING - FLUID LEVEL @ 180' FROM SURFACE.

" 29 PREPARING TO DST CHECKED WELL SD

" 30 DST 1243-46 OPEN 1-10 P.M. GOOD BLOW - DIED AT APPROXIMATELY
10:00 P.M.

" 31 SWAB THROUGH TUBING.
TOP FLUID 210' BELOW SURFACE WATER-SALTY TASTE (BLUE GREEN SW)
SCUM OIL SWB DRY - WAITED 15 MINUTES SWB-NO RECOVERY.
SWABBING 270' OFF BOTTOM (APPROXIMATE POSITION OF TUBING NIPPLE)
WAITED 1 HOUR. SWAB 6 GALLONS FLUID FAIR SCUM OIL (GASSY) AND SWB
HARD TO GET AN ODOR. SWB WTR DID NOT CLEAN UP AS 1ST FEW SWBS
ON ORIGINAL SWAB. WTR 48,800 PPM CL (BAROID)

JUNE 1 WTR SAMPLE SENT TO CORE LABORATORIES (RETURNED JUNE 16TH)
FERRIN INDICATED HE WILL OBTAIN MORE TUBING IN ORDER TO SWB OFF
BOTTOM.

2 GAS SAMPLE TO FARMINGTON

3 NO ACTIVITY

4 "

5 "

6 "

7 "

8 FERRIN GOING TO FARMINGTON FOR TUBING

(CONT'D) JUNE 9 NO REPORT

10 "

11 "

12 "

13 CHECKED RIG - FERRIN HAD PULLED PACKER AND RUN TUBING TO BOTTOM OF HOLE (1245'). (HAD SWABBED HOLE BEFORE PULLING TUBING FLUID 400-500' OFF BOTTOM - SWB DRY - MOSTLY SW WITH HEAVY SCUM OF OIL AND GAS BUBBLES THAT BURNED). TRYING TO SWB OFF BOTTOM. ?? OF PACKER HOLDING. PACKER @ 1243'

JUNE 14 FOUND FLUID LEVEL @ 225' BELOW SURFACE. RAN SWB APPROXIMATELY 100' BELOW TOP OF FLUID. SWB SALT WATER WITH SCUM OIL - SOME GAS BUBBLES. PACKER STILL LEAKING?? DUMPED 500 POUNDS OF SAND - SAWDUST AND P GRAVEL IN HOLE TO GET PACKER TO HOLD. SWAB 500' FROM TOP OF FLUID. SW & SCUM OIL. SWBS OFF BOTTOM - 5 SWBS SAME RESULTS - SW AND SCUM OIL INDICATION ARE THAT PACKER IS HOLDING NO MUD SAWDUST OR PEBBLES COMING BACK. SD TO DECIDE ON NEXT MOVE. (CHLORIDES 48,800 PPM ARKLA LAB CHECK)

JUNE 15 NO ACTIVITY

16 NO ACTIVITY - PROBABLY SD UNTIL MONDAY

17 "

18 "

19 "

20 NO ACTIVITY

344

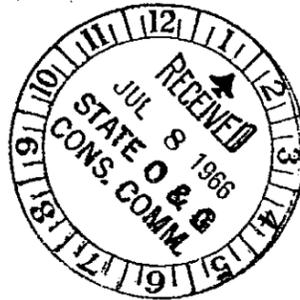
CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

June 16, 1966

Arkansas Louisiana Gas Company
Box 669
Holbrook, Arizona

Attention: Mr. Bryan Kerby

Subject: Water Analysis
No. 1 Well
Ferrin New Mexico Field
Navajo County, Arizona
Our File Number: IWTL-66105



Gentlemen:

This report presents the results of analysis on one sample of water taken from the subject field. Gravimetric procedures were used in determining the barium and the sulfate contents. Total iron determination was made by electro-photometric means, and the remainder of the constituents were analyzed with conventional titrimetric procedures.

The potassium content of the water was measured by use of flame absorption photometry. This result was potassium as K 324 mg/l.

We are pleased to be of service.

Very truly yours,

Core Laboratories, Inc.

Dare K. Keelan (CPE)

Dare K. Keelan, Supervisor
Industrial Water Technology Laboratory

DKK:RAL:mb
5 cc. - Addressee

344
13



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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS
WATER ANALYSIS

File IWTL-66105

Company Arkansas Louisiana Gas Company Well Name No. 1 Sample No. _____
Formation _____ Depth 1246 Sampled From _____
Location _____ Field Ferrin New Mexico County Navajo State Arizona
Date Sampled _____ Date Analyzed 6/13/66 Engineer RAL

Total Dissolved Solids 77596 mg/L calculated

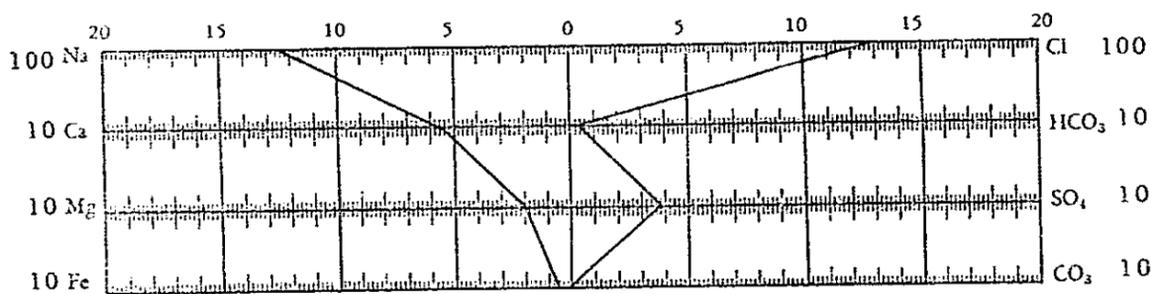
Sp. Gr. 1.0543 @ 74 °F.

Resistivity 0.0962 ohm-meters @ 74 °F. measured

Hydrogen Sulfide Absent

pH 7.25

Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	<u>1239.2</u>	<u>28490</u>	Chloride	<u>1284.8</u>	<u>45542</u>
Calcium	<u>55.0</u>	<u>1102</u>	Bicarbonate	<u>4.2</u>	<u>256</u>
Magnesium	<u>19.8</u>	<u>241</u>	Sulfate	<u>38.1</u>	<u>1831 (Grav)</u>
Iron	<u>4.8</u>	<u>133</u>	Carbonate	<u>0.0</u>	<u>0.0</u>
Barium	<u>0.0</u>	<u>0.0 (Grav)</u>	Hydroxide	<u>0.0</u>	<u>0.0</u>
Potassium	<u>8.3</u>	<u>324</u>			

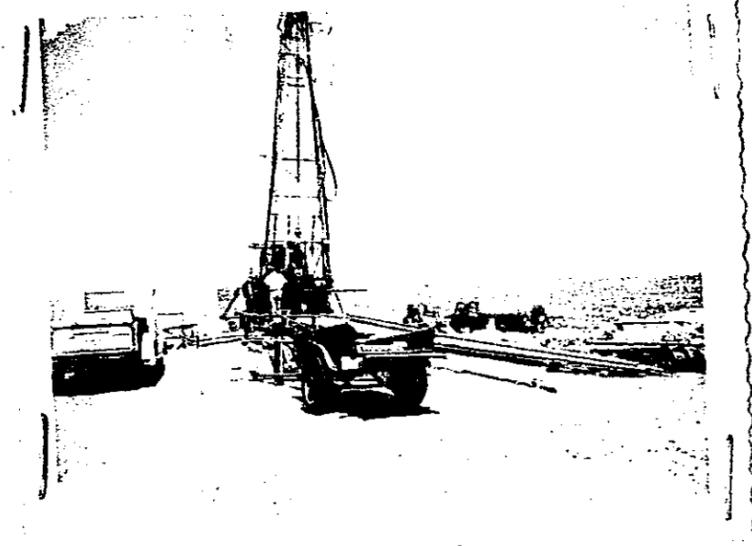


Scale: meq/L.

All analyses except iron determination performed on a filtered sample.

(A)

(B)



FERRIN : 5-18-66
prep to swab

344

From the Desk of

JOHN BANNISTER

344

4-6-66

Reg. at 430'. Ferrin in
Farmington looking for
larger rig. Driller says may
go to 2 or 3000'.

Looking for Coronado at approx
430'.

Well running 150' high to
Ferrin #1 in Sec 10.

Reported by Scurlock



Jerrin

7-18-66

JRS

344

ID 30'

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR **HAROLD FERRIN** DATE **2-28-66**

Address **P.O. Box 102, Mesa, Arizona** City **Mesa** State **Arizona**

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease N. Mexico Arizona Land Co.	Well number 1	Elevation (ground) 5000'
--	-------------------------	------------------------------------

Well location and acreage dedicated to the well (give footage from section lines) Section--township--range or block & survey
660' FNL & FWL 22-19N-17E N/2NW/4 22-19N-17E

Field & reservoir (If wildcat, so state) County
wildcat Navajo

Distance, in miles, and direction from nearest town or post office
9 mi. East of Winslow

Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling, completed or applied--for well on the same lease: none feet
---	--

Proposed depth: 2200'	Rotary or cable tools rotary	Approx. date work will start 3-9-66
---------------------------------	--	---

Number of acres in lease: 2,560 acres±	Number of wells on lease, including this well, completed in or drilling to this reservoir: none
--	---

If lease, purchased with one or more wells drilled, from whom purchased: Name Address
none

Status and amount of bond \$5,000.00	Organization Report On file Or attached on file	Filing Fee of \$25.00 Attached
--	--	-----------------------------------

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)

- T I G H T H O L E -

- Subject to receipt of bond and survey of location
- Verbal approval 2-28-66 *J.B. H.C.F.*

*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the principal of the _____ (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.

CONFIDENTIAL

Harold Ferrin
Signature

February 28, 1966

Release Date _____

Date

Permit Number: **344**
Approval Date: **2-28-66**
Approved By: *John Bannister*
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

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill, Deepen or Plug Back and Plat
File Two Copies

Form No. 3

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
10'	32 lbs	E	0'	40'	40'	10



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: HAROLD FERRIN
(OPERATOR)

to drill a well to be known as

FERRIN #1 New Mexico Arizona Land Co.

(WELL NAME)

located 700'
660' PNL and FWL (NW/4NW/4)

Section 22 Township 19N Range 17E, Navajo County, Arizona.

The North-half of Northwest of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 28th day of February, 1966.

OIL AND GAS CONSERVATION COMMISSION

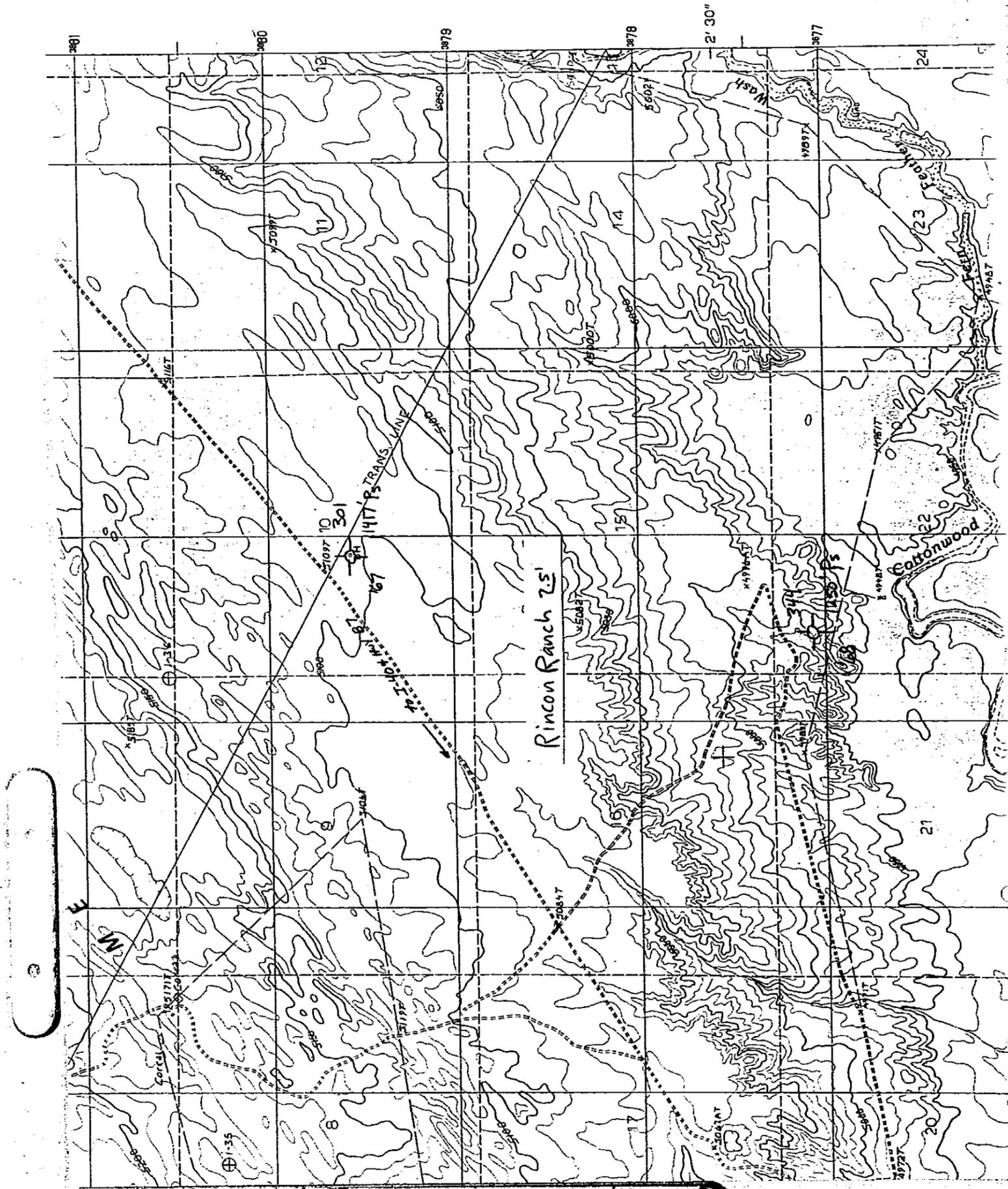
By John Bannister
EXECUTIVE SECRETARY

PERMIT N^o 344

RECEIPT NO. 9442

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27



February 5, 1976

Gus Falconer
World Resources, Inc.
First of Denver Plaza
Denver, Co. 80202

Dear Mr. Falconer:

Enclosed are copies of well records and logs that were requested this date by Mr. Warren Carr.

The copies are of our files:

Ferrin State #1 Permit 301
NE/SW Sec 10, 19N, R17E

Ferrin #1-4 Permit 314
SW/SW Sec 4, T19N, R17E

Ferrin #2 State Permit 315
SW/SW Sec 10, T19N, R17E

Ferrin #1 NMA Permit 344 ✓
NW/NW Sec 22, T19N, R17E

If you have any questions, please let me know.

Very truly yours,

Saralee Lorenzo (Mrs)
Secretary

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

BOND
KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 937882

That HAROLD FERRIN

of the County of: MARICOPA, City of Mesa in the State of: ARIZONA

as principal, and GLENS FALLS INSURANCE COMPANY

of AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

WELL Number 1; 660' FNL & FWL 22-19N- 17E N/2NW/4 22-19N-17E
(May be used as blanket bond or for single well)

NAVAJO County. (9 miles East of Winslow, Arizona)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of FIVE THOUSAND and NO/100 Dollars (\$5,000.00)

Witness our hands and seals, this 1st day of MARCH, 1966

Witness our hands and seals, this 1st day of March, 1966

GLENS FALLS INSURANCE COMPANY

Orville L. Smith Surety Attorney

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety is an individual, this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date 3-2-66
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John J. Gannister

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2

Permit No. 344

CANCELLED
5-2-66
Orville L. Smith

RECEIVED
MAR 1 1968
STATE COMMISSION
MILWAUKEE

May 3, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 State well
NE SW 10-19N-17E, Navajo County, Permit 301
Glens Falls Insurance Co. Bond 937883

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County, Permit 344
Glens Falls Insurance Co. Bond 937882

Dear Mr. Ferrin:

Receipt is acknowledge of Glens Falls Insurance Company blanket bond No. 04-38-21, in the amount of \$25,000, to cover all your oil and gas operations within the State of Arizona.

In view of the fact that this bond is now in full force and effect, this letter then will constitute authority from this commission to terminate the above captioned bonds effective May 1, 1966.

Very truly yours,

John Bannister
Executive Secretary
BF

cc: Glens Falls Insurance Company
222 W. Osborn Rd.
Phoenix, Arizona

CANCELLED

DATE 5-2-66

Operator Harold Ferrin

Bond Company Glens Falls Insurance Co Amount \$25,000

Bond No. 04-38-21 Date Approved _____

Permits covered by this bond:

see this file (301) *water well in state*

344 ✓

350

Do not issue any further permits to be covered by this bond.

CANCELLED

DATE 7-22-68

July 22, 1968

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: The Glens Falls Group - Bond 04-3821

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County, File 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros. well
SW NW 4-17N-16E, Navajo County, File 350

Ferrin #1 State well
NE SW 10-19N-17E, Navajo County, File 301

Dear Mr. Ferrin:

All obligations to this Commission have been fulfilled in connection with your operations on captioned wells.

This letter then constitutes permission from this Commission to terminate captioned bond.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: The Glens Falls Group, 222 W. Osborn Rd., Phoenix, Ariz. 85002

July 11, 1968

Arizona State Oil & Gas Commission
Phoenix, Arizona

Gentlemen:

This is to inform you that it is agreeable to me that Mr.
Ferrin leave the mud ponds and everything just as is on
the Ferrin New Mexico Arizona No. 1 Well site location.
I might want to utilize this for storage purposes.

Sincerely yours,

Wm. Wyrick
Wm. Wyrick

344

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF ARIZONA

IN THE MATTER OF THE HEARING CALLED
BY THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF ARIZONA
FOR THE PURPOSE OF CONSIDERING.

Case No. 32
Order No. 33

THE MOTION OF THE OIL AND GAS CON-
SERVATION COMMISSION OF THE STATE
OF ARIZONA TO CONSIDER WHY THE
FERRIN #1 NMA WELL, THE FERRIN
#1 AJA CATTLE CO. -BABBITT BROS.
FEE WELL, THE FRASER #1 STATE WELL,
AND THE POTTER #1 STATE 8219 WELL
SHALL NOT BE ORDERED PLUGGED BY
THE OPERATOR OF RECORD.

Pg. 3 #4

ORDER OF THE COMMISSION

BY THE COMMISSION

This cause having come regularly on for hearing at
10:00 a.m. on June 19, 1968 at Phoenix, Arizona before the OIL
AND GAS CONSERVATION COMMISSION OF THE STATE OF ARIZONA, herein-
after referred to as the COMMISSION.

Now, on this 19th day of June, 1968, the COMMISSION,
a quorum being present, having considered the testimony presented
and the exhibits received at said hearing, and being fully ad-
vised in the premises, finds as follows,

FINDINGS:

(1) THAT due public notice having been given as re-
quired by law, the COMMISSION has jurisdiction of the cause
and the subject matter thereof.

(2) THAT as to J.M. Fraser, operator of Fraser #1
State well, NE 3E 19-213-23E, Cochise County, Arizona, Permit 93:

(a) Mr. Fraser has duly appeared before this COMMISSION and has shown cause for the granting of an extension in which to commence operations or to plug and abandon said well;

(b) THAT it will be in the best interests of the State of Arizona that a sixty-day extension be granted to the operator of the said well.

IT IS THEREFORE ORDERED:

1. THAT Mr. J.M. Fraser, operator of the Fraser #1 State well is given until midnight, August 15, 1968 in which to substantially commence further operations upon captioned well.

2. THAT in lieu thereof, Mr. Fraser must plug said well by midnight August 15, 1968 in the following manner:

A cement plug shall be set from total depth to 1849 feet. Heavy mud shall be set from 1849 feet to 1513 feet. Cement shall be set from 1513 feet to 1359 feet. Heavy mud shall be set from 1359 feet to 50 feet. Cement from 50 feet to surface. The proper dry hole marker shall be set; the surface shall be cleaned up and all pits backfilled.

3. The proper plugging record, well completion report, and samples must be filed with this COMMISSION upon completion of this plugging operation.

4. It is further ordered that the COMMISSION be notified at least twenty-four hours in advance of commencing of

further work or in advance of commencing of plugging operations.

FINDINGS:

(1) THAT as to Harold Ferrin, operator of Ferrin #1
HMA well, NW NW 22-19N-17E, Navajo County, Permit 344:

(a) THAT Harold Ferrin has filed with the
COMMISSION its form 26, showing proper acceptance of said well
as a water well by the surface owner;

(b) THAT Mr. Ferrin has not filed with this
COMMISSION the well completion report nor samples, nor has the
surface surrounding the well site been properly abandoned;

(c) THAT Mr. Ferrin failed to appear before
the COMMISSION as ordered.

IT IS THEREFORE ORDERED:

(1) THAT on or before midnight, July 2, 1968, Mr.
Ferrin must submit to this COMMISSION the proper well completion
report and samples. In addition, Mr. Ferrin must submit evidence
to the COMMISSION that all equipment has been properly removed
from this well site and that the location is left in clean and
safe condition.

FINDINGS:

(1) THAT as to Harold Ferrin, operator of Ferrin #1
Aja Cattle Co., Babbitt Bros. Fee, SW NW 4-17N-16E, Navajo
County, Permit 350:

(a) THAT on-site inspection by the COMMISSION
reveals that Mr. Ferrin has caused this hole to be filled with
cement;

(b) THAT Mr. Ferrin has failed to set the proper surface marker and has failed to file the necessary plugging record and well completion report;

(c) THAT Mr. Ferrin failed to appear before the COMMISSION as ordered.

IT IS THEREFORE ORDERED:

(1) THAT Mr. Ferrin shall on or before midnight of July 2, 1968 file evidence with this COMMISSION showing that the proper well marker has been properly placed on location, that the necessary plugging record and well completions reports have been submitted.

FINDINGS:

(1) THAT as to James M. Potter, operator of Potter #1 State 8219 well, SW NW 24-20N-5E, Coconino County, Permit 351:

(a) THAT Mr. Potter has duly appeared before this COMMISSION as ordered;

(b) THAT Mr. Potter failed to show cause to this COMMISSION why the said well should not be plugged and abandoned.

IT IS THEREFORE ORDERED:

(1) THAT Mr. Potter shall plug and abandon said well on or before midnight August 15, 1968. Mr. Potter may recover such casing as he is able.

(a) IN the event that Mr. Potter chooses not to recover any casing in the hole, the well shall be plugged in the following manner:

Cement from total depth to 3731 feet; heavy mud from 3731 feet to 2625 feet; cement 50 feet to surface. The location shall be cleaned, all pits backfilled, and a dry hole marker properly set.

(b) IN the event that casing is pulled and recovered from said well, the well shall be plugged in the following manner:

Cement from total depth to 3731 feet; heavy mud from 3731 feet to 2725 feet; cement from 2725 feet to 2625 feet; heavy mud from 2625 feet to 2325 feet; cement from 2325 feet to 2225 feet; heavy mud from 2225 feet to 2062 feet; cement from 2062 feet to 1862 feet; heavy mud from 1862 feet to 50 feet; cement from 50 feet to surface. A dry hole marker shall be properly set, the location cleaned and pits backfilled.

(2) It is also ordered that Mr. Potter shall submit to the COMMISSION immediately upon completion of this program the logs, the plugging record, and the well completion report.

(3) Mr. Potter shall notify the COMMISSION at least twenty-four hours in advance of the commencement of this work.

DONE at Phoenix, Arizona, on the day and year hereinabove designated.

OIL AND GAS CONSERVATION COMMISSION
STATE OF ARIZONA

By (Original signed)

(S E A L)

CERTIFIED MAIL
No. 231633

Ret'd
"unclaimed"
6-24-68

June 4, 1968

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 NMA
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros. Fee
SW NW 4-17N-16E, Navajo County
Permit 350

Glens Falls Insurance Co. Bond 04-38-21

Dear Mr. Ferrin:

Enclosed please find notice of show-cause hearing concerning your failure to comply with the Commission's letter of January 17, 1968 concerning commencing operations or plugging and abandoning of captioned wells by midnight May 31, 1968.

As you are aware, captioned bond in the amount of \$25,000 covers your obligation to the Commission on these wells. Should you fail to appear at said hearing or otherwise comply with this Commission's directions, it will be necessary for the Commission to go to the bonding company for performance.

Very truly yours,

John Bannister
Executive Secretary

BT
enc

cc: Glens Falls Group, 222 W. Osborn Rd., Phoenix, Ariz. 85002
Certified Mail No. 231632

April 17, 1968

Received this date original letter of January 17, 1968 (which had been mailed under Certified No. 231592) concerning Ferrin #1 NMA and Ferrin #1 Aja Cattle-Babbit fee wells

Harold Ferrin

344

2-8-68

Certified mail 231592 was ret'd by post office as unclaimed. The Post Office can hold such mail for only 2 weeks and then are required to return to sender. As the postmaster pointed out, Mr. Ferrin leaves town for weeks at a time and doesn't pick up or have mail forwarded in the meantime. It was the postmaster's suggestion that we remail the letter, putting on a statement "please hold until picked up". Therefore he could hold beyond the 2 week limit.

2-9-68

Remail under Certified No. 231592, with suggested note as above.

2-29-68

Certified mail 231592 returned by Mesa Post Office.

Talked to Ed Gavin of Mesa Post office who advised that Mr Ferrin was picking up his mail from his post office box, and had no knowledge of why he failed to call for the certified mail inasmuch as he did receive his notices.

344

April 30, 1968

Glens Falls Group
222 West Osborn Road
Phoenix, Arizona 85002

Attention: Mr. A.L. Clark, Underwriting Manager

Re: Glens Falls Insurance Co. Bond 04-38-21
Harold Ferrin, principal

Ferrin #1 NMA
NW NW 22-19N-17E, Navajo County
Permit 344 (issued 2-28-66)

Ferrin #1 Aja Cattle Co.-Babbitt Bros.
SW NW 4-17N-16E, Navajo County
Permit 350 (issued 4-25-66)

Gentlemen:

In reply to your letter of April 25, 1968, please rest assured that this Commission will not issue any further permits to be covered by captioned bond.

Very truly yours,

John Bannister
Executive Secretary
nr

344

222 WEST OSBORN ROAD, PHOENIX, ARIZONA 85002 - TEL. 264-9251



April 25, 1968

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

*Harold Ferrin,
Principal*

Re: Glens Falls Insurance Co. Bond #04-38-21

Dear Mr. Bannister:

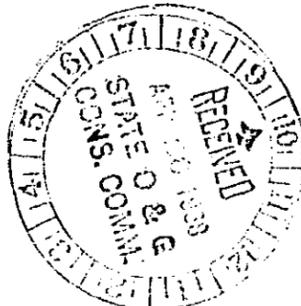
We have your letter of August 14, 1967 advising us that the Commission could not allow termination at this time. We, of course, acknowledged your letter and have been guided by your instructions. However, while our bond cannot be terminated as to existing wells (permits) we would like your acknowledgement that additional permits will not be issued under our bond.

We trust this would meet with your approval.

Sincerely yours,

A. L. Clark
Underwriting Manager
ALC/md

344
350





January 19, 1968

Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. John Bannister

Re: Our File No. 04-3821
Principal: Harold Ferrin
Your File: Ferrin #1 NMA
NW NW 22-19N-17E, Navajo County
Permit 344 ✓

Ferrin #1 Aja Cattle Co. - Babbitt Bros.
SW NW 4-17N-16E, Navajo County
Permit 350 ✓

Dear Mr. Bannister:

Thank you for a copy of your letter of January 17 addressed to Mr. Ferrin.

In the event there is any evidence that Mr. Ferrin does not anticipate completing this plugging or starting operations, we will appreciate you so advising us so that we might be of some assistance to you.

Yours very truly,

Frank F. Krueger
Frank F. Krueger
Claims Manager
sg



CERTIFIED
No. ~~231867~~
231592

January 17, 1968

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 NMA
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros.
SW NW 4-17N-16E, Navajo County
Permit 350

Glen Falls Insurance Co. bond 04-38-21

Dear Mr. Ferrin:

The Commission appreciates your appearance before it at its regular meeting on January 17, 1968.

Please be advised that the Commission will grant to you a time expiring midnight, May 31, 1968, in which to have substantially underway your operations on captioned wells or to plug and abandon same. Evidence to this effect, satisfactory to the Commission, must be in the hands of the Commission by that date.

In addition to evidence showing compliance with this instruction, you must also file with the Commission evidence that your lease on the #1 NMA well is in good standing.

Should the evidence not be in the hands of the Commission by the said date, you will be ordered to appear before the Commission on June 19, 1968 for hearing to show cause why this well should not be plugged and abandoned.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: Glens Falls Insurance Co., 222 W. Osborn Rd., Phoenix, Ariz.

344

November 10, 1967

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 NMA
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros.
SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

As you are aware, the Commission has granted you an extension until December 31, 1967 in which to commence work on the two captioned wells. As yet this office has no information that further work has been commenced.

With approximately 45 days remaining in which to comply with the order, you are requested to advise us of your plans.

Very truly yours,

John Bannister
Executive Secretary
nr

344

August 14, 1967

Glens Falls Insurance Company
P.O. Box 13308
Phoenix, Arizona 85002

Attention: Mr. Robert L. Scall

Re: Glens Falls Insurance Company Bond 04-38-21 in the amount of
\$25,000

Gentlemen:

This office has received a notice of cancellation of the captioned bond dated August 10, 1967. Please be advised that liability under this bond may not be terminated except with written permission of this Commission. You will note that this is a provision of the bond itself as executed by the company.

Currently there are two wells covered by this bond, these being the Ferrin #1 NMA well, NW NW 22-19E-17E, Navajo County, our permit 344, and the Ferrin #1 Aja Cattle Co.-Babbit Bros. well, SW NW 4-17N-16E, Navajo County, our permit 350.

These wells are not active at this time; however, Mr. Ferrin was given permission from this Commission to maintain these wells on an inactive status until December 31, 1967. Further work must be commenced by that date or the wells must be plugged and abandoned.

Inasmuch as there are existing liabilities under this bond, this Commission cannot allow termination at this time.

Yours very truly,

John Hannister
Executive Secretary
nr

cc: Mr. Harold Ferrin, P.O. Box 102, Mesa, Arizona
Allied Bonded Insurance Agency, 2727 N. Central, Room 612,
Phoenix, Arizona 85004

344

June 21, 1967

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona 85201

Re: Ferrin #1 State well
NE SW 10-19N-17E, Navajo County
Permit 301

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros. well
n SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

Your verbal request presented to the Commission at its regular meeting on June 21, 1967 for an extension of time in which to commence further drilling operations on the Ferrin #1 NMA well, Permit 344, and for the Ferrin #1 Aja well, Permit 350, is hereby granted. This extension will expire December 31, 1967 and is subject to the conditions herein below set forth, which were accepted by you during the meeting:

That the wells are no longer considered tight holes and that all information contained in the files may be made public information.

A ^{need} sundries report must be submitted on each of these wells wherein the current status is reflected and accurate data is shown. Samples also must be submitted. ①

② On the #1 NMA a copy of all logs which have been run, including drilling logs, must be submitted.

As to the Aja Cattle Co. well, you have advised this Commission that no logs have as yet been run. A copy of the drilling log must be submitted. 344

You advised the Commission of your intention to turn the Ferrin #1 State, Permit 301, to the land owner for use as a water well. In order to complete the files on this well it will be necessary that you

Mr. Harold Ferrin
June 21, 1967
Page 2

file with this commission the water well acceptance form, properly executed, and the Well Completion Report, as well as samples.

Should you have any questions, would you please advise.

Very truly yours,

John Bannister
Executive Secretary
nr

344

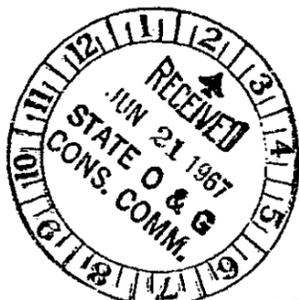
June 30 1967
Mr. John Dammister
Oil and Gas Commission
1624 West Adams
Phoenix, Arizona

Dear John:

Pursuant to our conversation at
the meeting, consider the information
you have developed to date on the
Ferrin wells as no longer tight.

Yours truly,
Harold Ferrin

#301
344
350



344

October 28, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 NMA
NE NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros.
SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

Receipt of your letter of October 26, 1966, wherein you requested permission to temporarily abandon captioned wells until July 1, 1967, is hereby acknowledged.

In view of the situation as expressed in your letter and as verbally reported to me, this letter will constitute authority from this Commission that the two captioned wells may be temporarily abandoned until July 1, 1967.

Inasmuch as temporary abandonment has been granted, it will not be necessary that monthly progress reports be filed until such time as work on these wells again commences.

As soon as you begin further work on these wells, will you immediately advise this Commission.

Very truly yours,

John Bannister
Executive Secretary
nr

344

Sierra Diamond Drilling Co.

GEOPHYSICAL SURVEYS

MINE ENGINEERING
DIAMOND DRILLING

YUCON & SIAK

POST OFFICE BOX 102
MESA, ARIZONA



October 26, 1966

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

Re: Ferrin #1 NFA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle C.-Babbitt Bros. Fee
SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Bannister:

Regarding NFA Well No. 1, Permit 344; I have run into some Lease problems and as a result we will have to close down at a Td of 1250'. Due to the fact it will probably take us some time to get these matters straightened out it will likely bring us into the dead of winter. I would therefore not want to start drilling again at that high altitude before the warm weather. I am therefore asking to temporarily abandon the well until July 1, 1967.

There is no danger of water pollution as we put a cement plug in the hole at 925 ft. to pack off and do some swabbing, and it is all soft water above that depth.

On the Aja-Babbit #1 Lease, Permit 350; it is necessary for us to pick up some more leases, and also to alter the leases we now have. This will also take some time to work out. The total depth is now only 80'. There is no water in the hole, so no water contamination could be present.

I am asking temporary abandonment of this well until July 1, 1967, which should be ample time to straighten it all out.

With best regards.

Sincerely,

Harold Ferrin
Harold Ferrin

344

HF:ctf

From the Desk of

JAMES R. SCURLOCK

¹⁰⁻²⁰⁻⁶⁶
Tried to get out to location, but
could not — first gate locked.
JRS

October 3, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle C.-Babbitt Bros. Fee
SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

On September 19, 1966 you filed Sundries Reports on captioned wells. These reports generally covered your activities through August, 1966.

The purpose of this letter is to remind you that reports covering activities for the month of September are now due and should be forwarded at your earliest convenience.

Very truly yours,

John Bannister
Executive Secretary
mr

344

September 7, 1966

Mr. Harold Ferrin
P.O. 102
Mesa, Arizona

Re: Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbitt Bros. Fee
SW NW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

As you are aware, this Commission is to be kept current/informed as to the operations on all wells. In this connection, progress reports should be submitted monthly. However, when a well is spudded, tested, logged, or if operations are suspended for any reason, we are to be notified whether or not any of these coincide with the monthly report. If a well is confidential, this information, of course, is kept confidential by this office.

We have received no progress report from you concerning the #1 NMA operations from June 15-1966. Please take immediate steps to bring this well into compliance with our Rules and Regulations.

I would call your attention to Rule 202.B which states: "When Drilling operations have been suspended for 60 days the well shall be plugged and abandoned unless written permission for temporary abandonment shall be obtained from the Commission..."

The permit for the #1 Aja Cattle Co.-Babbitt Bros. well was issued April 25, 1966. To date we have had no report concerning your operations on this well.

As you know, Rule 102 states: "Unless operations are commenced within 90 days after date of approval, the permit to drill shall become null and void unless an extension in writing is granted by the Commission...."

344

Mr. Harold Ferrin
Page 2
September 7, 1966

A progress report must be submitted immediately, reporting the operations on this well; otherwise this office has no choice but to apply the above quoted Rule.

If you have any questions, please advise.

Very truly yours,

John Bannister
Executive Secretary
nr

344

June 28, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 State well
NE SW 10-19N-17E, Navajo County
Permit 301

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co.-Babbit Bros.
NW SW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

Please refer to my letter of June 1, 1966 concerning the three captioned wells. To date we have not heard from you in an official way as to how you intend to dispose of the questions raised in the above said letter.

Briefly, the Ferrin #1 State well was ordered plugged. We have not received a report concerning any activity on The Ferrin #1 NMA well from the date of its spudding. We still have not received the survey on the #1 Aja-Babbitt well.

Please give our letter of June 1, 1966 and this letter your immediate attention or this office will be forced to take further action.

It is the desire of this Commission to cooperate with operators in all possible manner, but this cooperation must be within the framework of our Rules and Regulations. Should you have any questions would you advise immediately.

Very truly yours,

John Baunister
Executive Secretary
mr

344

June 1, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 State well
NE SW 10-19N-17E, Navajo County
Permit 301

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County
Permit 344

Ferrin #1 Aja Cattle Co-Babbitt Bros
NW SW 4-17N-16E, Navajo County
Permit 350

Dear Mr. Ferrin:

As to the #1 State well, you will recall that pursuant to Rule 202.B, extension was granted to temporarily abandon this well until May 28, 1966. You verbally advised this Commission of your intent to abandon and plug this well. Inasmuch as the extension granted has now expired and we have heard nothing further from you, the purpose of this letter is to secure the plugging of this well.

According to the information on file in this office, 10-inch casing was set to a depth of 20 feet; 7-inch casing was set to a depth of 70 feet; and 4½-inch casing was set to 1368 feet. The total depth reached was 1417 feet. The well was perforated from the interval of approximately 1319 to 1322 feet.

Assuming that you would recover the 4½-inch casing, this well should be cemented from total depth, i.e., 1417 feet, to 1300 feet. Heavy mud-laden fluid should be pumped into the well from 1300 feet to 70 feet and cement should be put into the 7-inch casing from 70 feet to 60 feet.

Mr. Harold Ferrin
June 1, 1966
Page 2

A 20 foot surface cement plug should be set and a piece of 4-inch pipe protruding at least 4 feet above the ground should be set in the surface cement. There should be permanently attached to this pipe a sign with information as to the name of the well, quarter-quarter location and the permit number.

Should you have any questions concerning this plugging order, will you please advise this office.

As to the #1 NMA, you apparently were swabbing on May 18, 1966. However, this office does not have any report from you concerning your activities on this well.

The permit for this well was issued February 28, 1966, and as you are aware, our Rules call for a monthly progress report. Consequently, will you immediately furnish this office with an up to date report on your activities at this site on the enclosed Sundry Report forms.

As to the #1 Aja-Babbitt Bros. well, our permit was issued April 25, 1966 and was conditioned upon your furnishing this office with a survey of the exact location of this well. To date this survey has not been furnished to this office, nor has a monthly progress report been filed.

Will you please furnish this office at your earliest convenience, a survey of this location, together with an up to date report of your activities on the enclosed Sundry Report form.

Should you have any questions concerning this letter, will you please advise.

Yours very truly,

John Bannister
Executive Secretary
mr
enc

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May 3, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Ferrin #1 State well
NE SW 10-19N-17E, Navajo County, Permit 301
Glens Falls Insurance Co. Bond 937883

Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County, Permit 344
Glens Falls Insurance Co. Bond 937882

Dear Mr. Ferrin:

Receipt is acknowledge of Glens Falls Insurance Company blanket bond No. 04-38-21, in the amount of \$25,000, to cover all your oil and gas operations within the State of Arizona.

In view of the fact that this bond is now in full force and effect, this letter then will constitute authority from this commission to terminate the above captioned bonds effective May 2, 1966.

Very truly yours,

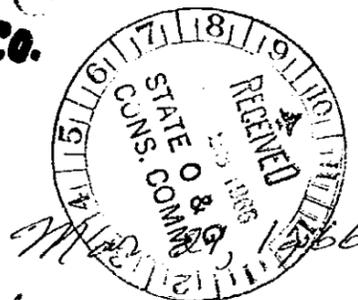
John Bannister
Executive Secretary
nr

cc: Glens Falls Insurance Company
222 W. Osborn Rd.
Phoenix, Arizona

SIERRA DIAMOND DRILLING Co.

PHOENIX, ARIZONA

MINING ENGINEERING
GEOLOGICAL SURVEYS
DIAMOND DRILLING



TO *Mr. John Banister*
Oil and Gas Conservation Comm.

Dear John:
Enclosed is the approved Drill Location
Application by a State Licensed
Surveyor.
I had to move the location
approximately 40 ft. east to get
out of a wash.
#344

Sincerely,
Harold Ferrier

March 2, 1966

Mr. Harold Ferrin
P.O. Box 102
Mesa, Arizona

Re: Glens Falls Insurance Co. Bond 937883
Ferrin #1 State well
NE SW 10-19N-17E, Navajo County, Permit 301

Glens Falls Insurance Co. Bond 937882
Ferrin #1 NMA well
NW NW 22-19N-17E, Navajo County, Permit 344

Dear Mr. Ferrin:

Enclosed herewith are approved copies of the captioned bonds covering your operations on the indicated wells.

Inasmuch as these bonds are in full force and effect, this letter will constitute authority from this Commission to terminate Glens Falls Insurance Company Bond 937831 in the amount of \$10,000, effective March 1, 1966.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
MB

cc: Allied Bonded
612 Central Towers Building
2727 N. Central Avenue
Phoenix, Arizona 85004

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