

Release Date 11-17-67

CONFIDENTIAL

P-W

Kerr-McGee #3 Santa Fe  
SE NW 34-19N-28E Apache County 404

sl

COUNTY Apache AREA 13 SW Navajo LEASE NO. Santa Fe Fee

WELL NAME Kerr-McGee #3 Santa Fe

LOCATION SE NW SEC 34 TWP 19N RANGE 28E FOOTAGE 1980 FNL 1980 FWL  
ELEV 6198 GR KB SPUD DATE 5-9-67 STATUS                      TOTAL                       
COMP. DATE 5-14-67 DEPTH 1750'

CONTRACTOR Kerr McGee Corporation

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>NONE</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	DRILLED BY CABLE TOOL	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	PRODUCTIVE RESERVOIR	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	INITIAL PRODUCTION	<u>Dry</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Dune	Surface	x	xx	
Chinle	300'			
Porosity	1570'			
Coconino	1713'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<del>NONE</del> IE; Borehole			SAMPLE DESCRP. <u>                    </u>
Comp Sonic			SAMPLE NO. <u>                    </u>
			CORE ANALYSIS <u>                    </u>
			DSTs <u>                    </u>
REMARKS <u>                    </u>			APP. TO PLUG <u>x</u>
			PLUGGING REP. <u>x</u>
			COMP. REPORT <u>x</u>

WATER WELL ACCEPTED BY                     

BOND CO. Firemen's Insurance Company BOND NO. 188 98 10-528  
DATE                       
BOND AMT. \$ 25,000 CANCELLED                      ORGANIZATION REPORT 7-14-60  
FILING RECEIPT 9496 LOC. PLAT x WELL BOOK x PLAT BOOK x  
API NO. 02-001-20028 DATE ISSUED 5-3-67 DEDICATION ALL

PERMIT NUMBER 404

(over) **CONFIDENTIAL**  
11-1467

## 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 <b>Kerr-McGee Corporation</b>		Address <b>Kerr-McGee Building, Okla. City, Okla.</b>	
Federal, State or Indian Lease Number or name of lessor if fee lease <b>Santa Fe</b>		Well Number <b>3</b>	Field & Reservoir <b>Wildcat</b>
Location <b>1980' FNL, 1980' FWL</b>		County <b>Apache</b>	
Sec. TWP-Range or Block & Survey <b>Sec. 34-19N-28E</b>			
Date spudded <b>5-9-67</b>	Date total depth reached <b>5-14-67</b>	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.) <b>6198</b> feet
Total depth <b>1750</b>	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) <b>0-1750</b>	Cable tools used (interval)
Was this well directionally drilled? <b>No</b>	Was directional survey made? <b>No</b>	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (check logs filed with the commission) <b>Induction - Sonic</b>			Date filed

### 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
None						

### TUBING RECORD

### LINER RECORD

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

### PERFORATION RECORD

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

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

### INITIAL PRODUCTION

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

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

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

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 Geologist of the Kerr-McGee Corporation (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.

7-10-67  
Date

John E. Meyer  
Signature

CONFIDENTIAL

Release Date \_\_\_\_\_

Permit No. 404

Form No. 4

File One Copy



(Complete Reverse Side)

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Dune	0	300	Sd
Chinle	300		Sd & sh
Porosity	1570	1635	Sd
Coconino	1713		Sd

\* 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.

PLUGGING RECORD					
Operator Kerr-McGee Corporation			Address Kerr-McGee Building, Oklahoma City, Okla.		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. Santa Fe		Well No. 3	Field & Reservoir Wildcat		
Location of Well 1980' FNL, 1980' FWL		Sec. 34-19N-28E		County Apache	
Application to drill this well was filed in name of Kerr-McGee Corporation		Has this well ever produced oil or gas No	Character of well at completion (Initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? X		
Date plugged: 5-14-67		Total depth 1750	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day)		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement	
				0-15 w/2 sks	
				670-790 w/15 sks	
				1500-1650 w/19 sks	
				1703-1750 w/6 sks	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
None					
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water.		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
Kerr-McGee Corporation	Oklahoma City, Oklahoma				
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Geologist</u> of the <u>Kerr-McGee Corporation</u> (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 6-26-67		Signature <i>[Signature]</i>			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>CONFIDENTIAL</b></p> <p>Release Date _____</p> <p>Permit No. <u>404</u></p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>					

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat  
OPERATOR Kerr-McGee Corporation ADDRESS Oklahoma City, Oklahoma  
Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease Santa Fe WELL NO. 3  
SURVEY 19N-28E SECTION 34 COUNTY Apache  
LOCATION 1980' FN & WL

TYPE OF WELL Strat test TOTAL DEPTH 1750  
(Oil, Gas or Dry Hole)  
ALLOWABLE (If Assigned)  
LAST PRODUCTION TEST OIL \_\_\_\_\_ (Bbls.) WATER \_\_\_\_\_ (Bbls.)  
GAS \_\_\_\_\_ (MCF) DATE OF TEST \_\_\_\_\_  
PRODUCING HORIZON \_\_\_\_\_ PRODUCING FROM \_\_\_\_\_ TO \_\_\_\_\_  
1. COMPLETE CASING RECORD None

2. FULL DETAILS OF PROPOSED PLAN OF WORK Plugs 0-15, 670-790, 1500-1650, 1703-1750

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 5-14-67  
NAME OF PERSON DOING WORK Kerr-McGee ADDRESS Okla. City, Okla.  
CORRESPONDENCE SHOULD BE SENT TO John C. Meyer *John C. Meyer*  
Name Geologist  
Title 710 Kerr-McGee Bldg., Okla. City, Okla.  
Address June 28, 1967  
Date

Date Approved \_\_\_\_\_  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
By: \_\_\_\_\_

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Abandon and Plug  
Two Copies  
Form No. \_\_\_\_\_  
RECEIVED  
JUL 13 1967  
STATE O & G  
CONS. COMM.  
RECEIVED  
JUL 8 1967  
STATE O & G  
CONS. COMM.

Permit No. 404

CONFIDENTIAL

Release Date \_\_\_\_\_

WELL SITE CHECK

By [Signature]  
Date 5-16-67

Contractor Ken McGee (Company Rig) Person(s) Contacted \_\_\_\_\_

Spud Date \_\_\_\_\_

Type Rig Trilby 1500 Rotary Cable Tool Present Operations plugged and abandoned

Samples None taken

Pipe No surface set Drilling with Air Mud

Water Zones \_\_\_\_\_ Size Hole \_\_\_\_\_

Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_

Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_

Cores, Logs, DST \_\_\_\_\_ No. Bit Drilling Bits \_\_\_\_\_

Formation \_\_\_\_\_

Crews \_\_\_\_\_ Lithology \_\_\_\_\_

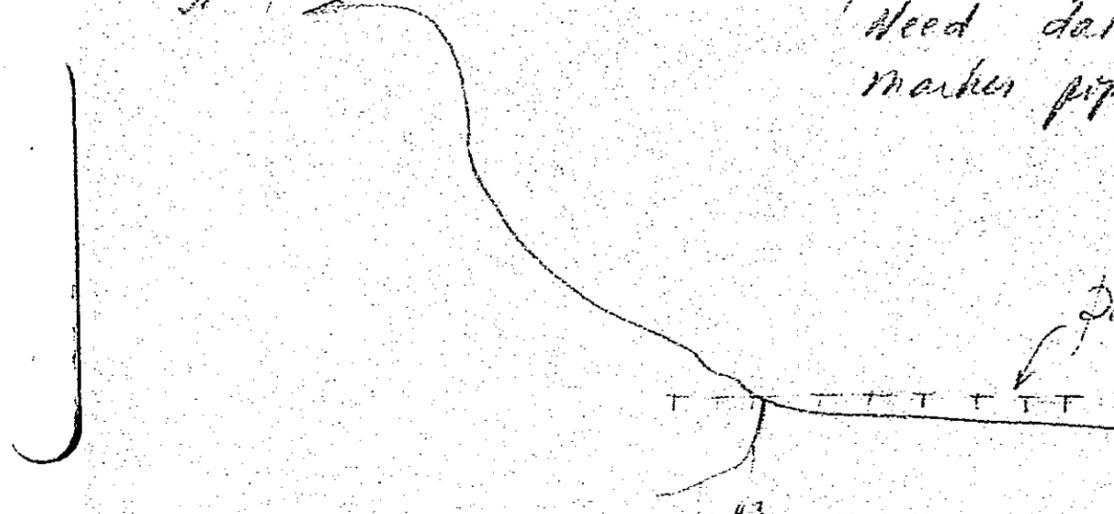
REMARKS, PHOTO, MAP

See County Map

In Navajo

pits drying. Marker pipe set. Need data welded to marker pipe.

Power line



Ken McGee # 3 Santa Fe

WELL NAME \_\_\_\_\_

Permit No. 404  
Confidential: yes  No

5-15-67

Telcom - John Meyer, Kevin McGee

Re: # 3 Santa Fe strat test

Sands @ 1713-1750

1510-1640

680-780

Plugging today - verbal approval

Plugs Bottom

1703-1760

1500-1650

670-790

15 Surface

no water

---

Please keep plug data tight for time being -  
eliminates conversation

## APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

Kerr-McGee Corporation  
NAME OF COMPANY OR OPERATOR

710 Kerr-McGee Building Oklahoma City Oklahoma  
Address City State

Kerr-McGee (Company Tools)  
Drilling Contractor  
Kerr-McGee Building, Oklahoma City, Oklahoma  
Address

### DESCRIPTION OF WELL AND LEASE

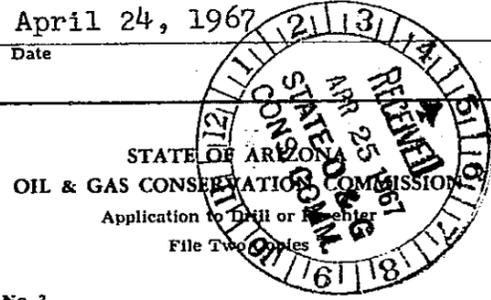
Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>Santa Fe</b>		Well number <b>Strat Test #3</b>	Elevation (ground) <b>6000 est.</b>
Nearest distance from proposed location to property or lease line: <b>1980</b> feet	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: feet		
Number of acres in lease: <b>640</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir:		
If lease, purchased with one or more wells drilled, from whom purchased:		Name	Address
Well location (give footage from section lines) <b>1980 FNL, 1980 FWL</b>	Section—township—range or block and survey <b>34 19N 28E</b>	Dedication (Comply with Rule 105) <b>640</b>	
Field and reservoir (if wildcat, so state) <b>Mineral Strat Test</b>	County <b>Apache</b>		
Distance, in miles, and direction from nearest town or post office <b>13 mi. SW Navajo (on Hwy. 66) Arizona</b>			
Proposed depth: <b>1700</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>April 27, 1967</b>	
Bond Status <b>on file</b>	Organization Report <b>On file X</b> Or attached	Filing Fee of \$25.00 <b>Attached X</b>	

Remarks:  
**Mineral Strat Test  
to drill 4-3/4" hole from surface to total depth.**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Geologist of the Kerr-McGee Corporation (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.

*John C. Mueyer*  
Signature  
April 24, 1967  
Date

Permit Number: **404**  
Approval Date: **4-3-67**  
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.



Form No. 3

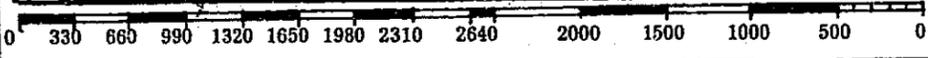
API  
02-001-20028

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
<b>CERTIFICATION</b>	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name John C. Meyer	
Position Geologist	
Company Kerr-McGee Corporation	
Date April 24, 1967	
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.	
Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	

Surveyor's Plat to be sent separately.						
--	--	--	--	--	--	--



**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
No surface casing proposed						



# PERMIT TO DRILL

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

**KERR-McGEE CORPORATION**

To: \_\_\_\_\_  
(OPERATOR)

to drill a well to be known as

**Kerr-McGee #3 Santa Fe**  
(WELL NAME)

located **1980' FNL and FWL**

Section **34** Township **19N** Range **28E**, **Apache** County, Arizona.

The **all** 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 **3rd** day of **May**, 19**67**.

OIL AND GAS CONSERVATION COMMISSION

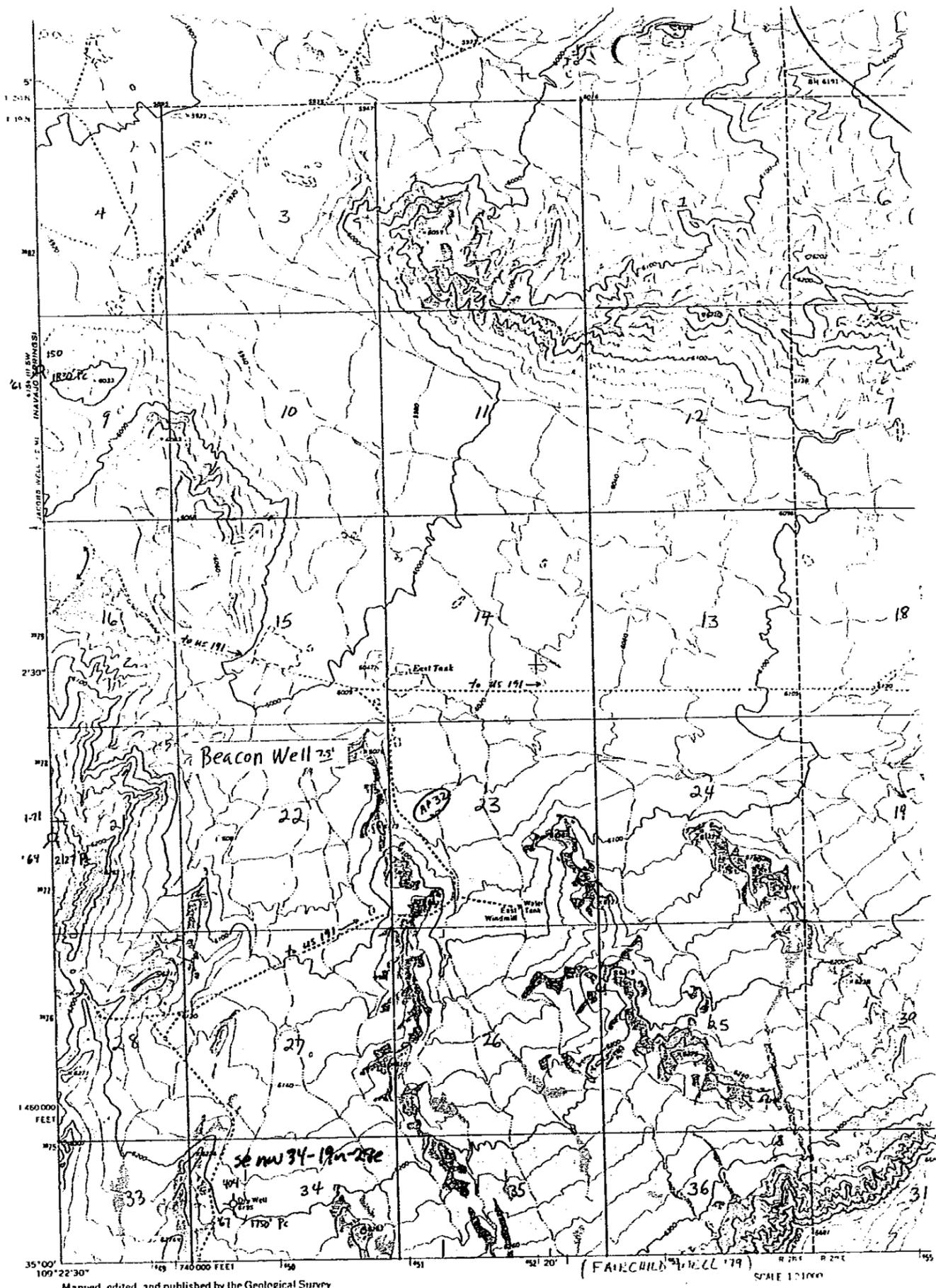
By *John Bannister*  
EXECUTIVE SECRETARY

PERMIT **Nº 404**

RECEIPT NO. **9496**

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27



Mapped, edited, and published by the Geological Survey

(FAIRCHILD) WELL '79 SCALE 1:1000

MINERAL STRAT No. 3  
 PREPARED FOR HERR MCGEE CORP.  
 SEC. 34, T19N, R28E, G. & S. R.M.  
 STATE OF ARIZONA

28 27  
 33 34

1980'

1980'

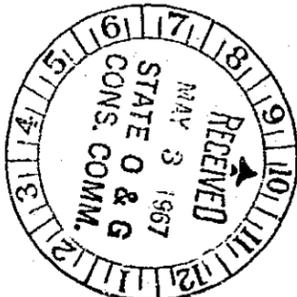
Mineral Strat #3  
 Ground Elev. 6198



T19N, R28E  
 G. & S. R.M.

33 34

Cedar Post



PREPARED BY:  
 J. G. MARTINEZ & ASSOC.  
 ENGINEERS—SURVEYORS  
 N. M. P. E. & L. S. LIC. NO. 1765  
 GALLUP NEW MEXICO

Scale 1" = 500'  
 Date 4-28-1967  
 Drawing No. QSN-30

Operator KERR MC GEE OIL ~~INDUSTRIES INC~~ Corporation  
 Bond Company Insurance Co. of N. America Amount 25,000  
 Bond No. M 41 95 25 (KM528) Date Approved 10-28-65

Permits covered by this bond:

<u>10</u>	386	417
<u>36</u>	389	418
<u>37</u>	390	419
<u>38</u>	391	420
<u>39</u>	392	422
<u>57</u>	396	426
<u>63</u>	397	427
<u>64</u>	398	441
<u>142</u>	399	445
<u>238</u>	402	446 → SEE this file
<u>303</u>	403	
<u>90</u>	404	
<u>91</u>	405	
<u>349</u>	406	
<u>303</u>	407	
<u>377</u>	408	
<u>378</u>	409	
<u>379</u>	410	
<u>380</u>	411	
<u>381</u>	413	
<u>384</u>	414	
<u>385</u>	416	

**CANCELLED**

DATE 10-24-68

superseded by  
 American Casualty Co. Bond  
 \$25,000  
 #5471020-52



July 11, 1967

Mr. John Bannister  
Arizona Oil & Gas Commission  
1624 West Adams  
Phoenix, Arizona 85007

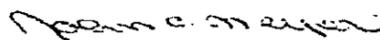
Dear Sir:

RE: Kerr-McGee #1 Santa Fe strat test, Permit 402  
Kerr-McGee #2 Santa Fe strat test, Permit 403  
Kerr-McGee #3 Santa Fe strat test, Permit 404  
Kerr-McGee #4 Santa Fe strat test, Permit 406  
Kerr-McGee #5 Santa Fe strat test, Permit 407  
Kerr-McGee #6 Santa Fe strat test, Permit 408  
Kerr-McGee #10 Santa Fe strat test, Permit 405  
Kerr-McGee #11 Santa Fe strat test, Permit 413  
Kerr-McGee #12 Santa Fe strat test, Permit 414

We are returning the Plugging Record and Application to Plug forms on the above wells. We are also submitting for filing the Well Completion form for each well. We request the information to be kept confidential if there is a provision in your Rules and Regulations for so doing.

Electrical logs on wells where we were able to run them will be filed within 90 days from completion. It is requested that these logs be kept confidential for the six months period following completion.

Respectfully,

  
John C. Meyer

JCM/mk  
Enclosures



CONFIDENTIAL

.....

IMMEDIATE REPLY PLEASE  NOTE ENCLOSURES

REPLY NO LATER THAN \_\_\_\_\_

*J. G. Martin & Associates*  
ENGINEERS - SURVEYORS

P. O. BOX 173  
509 W. AZTEC AVE.  
GALLUP, NEW MEXICO  
TELEPHONE 853-4042

TO

Mr. John Danner  
Arizona Oil & Gas Conservation Comm  
1624 Adams St., Room 202

**SUBJECT** Plat of survey on Mineral  
Strat No. 2 & 3 for Kerr McGee Corporation

**MESSAGE**

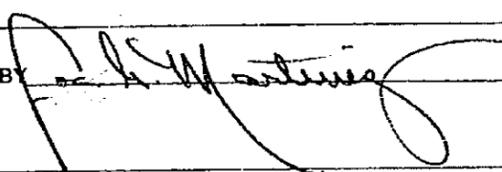
DATE  
4-29-67

fold

As requested by John Myers, we are forwarding herewith two prints of the subject  
plat to accompany Kerr McGee Corporation application for permit to drill mineral  
strat test No. 2 & 3.

cc: Mr. John Myers

SENT BY



**REPLY**

DATE

ANSWERED BY \_\_\_\_\_



April 24, 1967

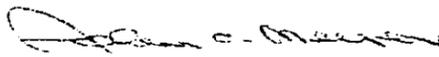
Mr. John Bannister, Executive Secretary  
Arizona Oil and Gas Conservation Commission  
1624 Adams St.  
Room 202  
Phoenix, Arizona 85007

Dear Mr. Bannister:

Enclosed are four Applications for Permit to Drill. These are to be Mineral Strat tests. At the moment we have J. G. Martinez, Registered Land Surveyor, staking the locations. He will mail directly to you the plats which we realize you must have before we can get approval to drill. Hopefully he will get them to you in the next day or so.

Thank you and Mrs. Rushton for your help in this program.

Very truly yours,  
KERR-McGEE CORPORATION

  
John C. Meyer

JCM/mk  
Enclosures: 4 Applications  
4 Checks for \$25 each



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