

Release Date: *Nov 24*

**CONFIDENTIAL**



**M-R**

Kerr-McGee #12 Navajo  
SE NE 29-36N-30E Apache County 399



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8823	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Kerr-McGee Corporation		7. UNIT AGREEMENT NAME Navajo	
3. ADDRESS OF OPERATOR P.O. Box K, Sunray, Texas 79086		8. FARM OR LEASE NAME Navajo	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1960' FNL and 540' FEL of Section 29, T36N, R30E, Apache County, Arizona At proposed prod. zone same		9. WELL NO. 12	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 miles SW of Red Rock, Arizona		10. FIELD AND POOL, OR WILDCAT Dineh bi Keyah	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 540' from lease line	16. NO. OF ACRES IN LEASE 2 533	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 29, T36N, R30E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2 884'	19. PROPOSED DEPTH 3 500'	12. COUNTY OR PARISH Apache	13. STATE Arizona
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7 091' X GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 80	
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START* April 21, 1967			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
13 3/4"	9 5/8"	32.3	400'
8 3/4"	7"	20	3 500'
QUANTITY OF CEMENT Sufficient to circulate cement Sufficient to cover all potentially productive zones			

Blowout preventors: 400' to 3500'

1. Kill and choke manifold
2. 10" Series 600 QRC or equivalent with pipe rams
3. 10" Series 600 QRC or equivalent with blind rams

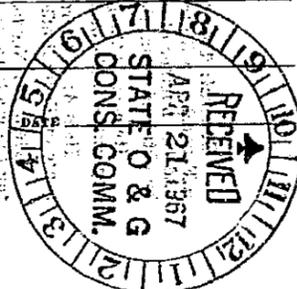
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED E. C. Reilly, Jr. TITLE Engineer DATE 4-18-67

(This space for Federal or State office use)

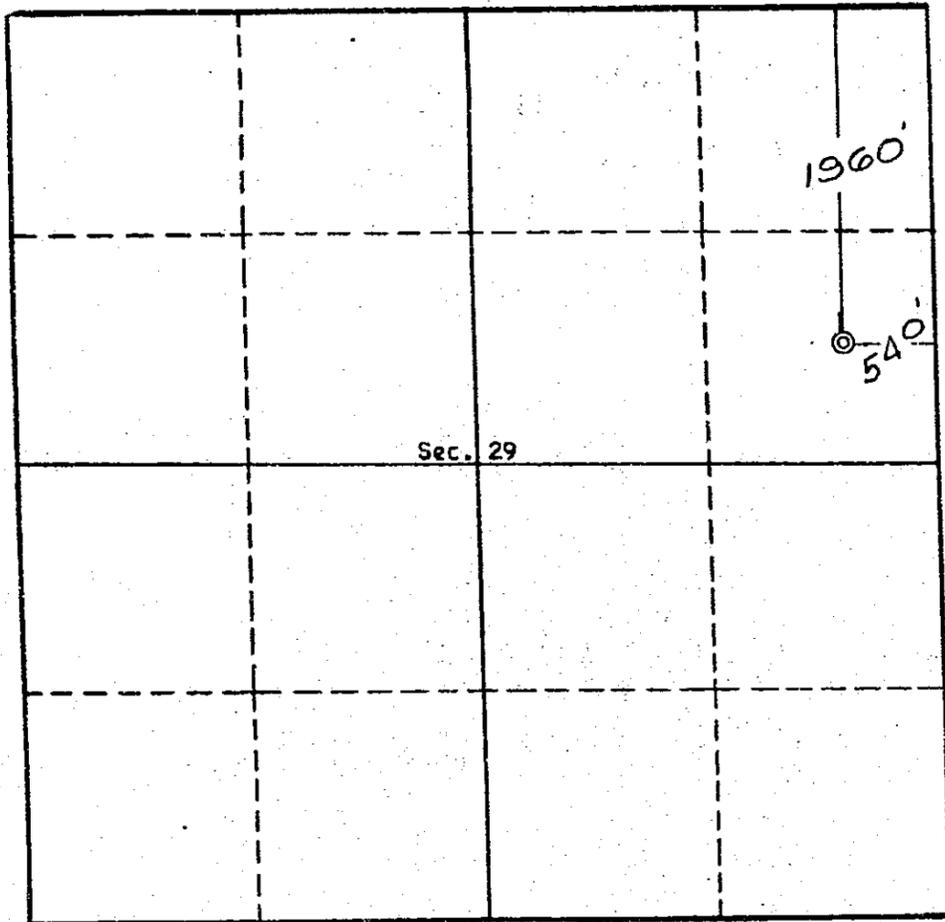
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side

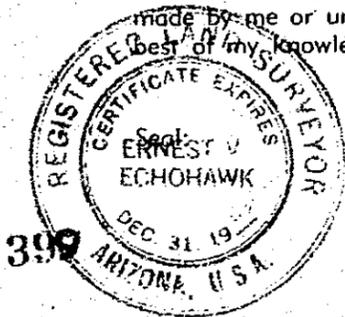
Company KERR-McGEE OIL INDUSTRIES, INC.  
Well Name & No. Navajo No. 12  
Location 1960 feet from the North line and 540 feet from the East line.  
Sec. 29, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona  
Ground Elevation 7091 ungraded



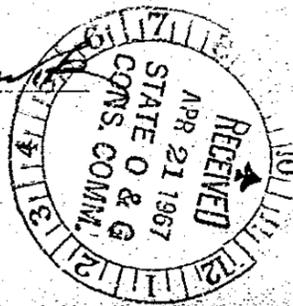
Scale, 1 inch = 1,000 feet

Surveyed March 24, 1967

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



*Ernest V. Echohawk*  
Ernest V. Echohawk  
Registered Land Surveyor  
Arizona Registration No. 2311



**APPLICATION FOR PERMIT TO DRILL OR RE-ENTER**

APPLICATION TO DRILL

RE-ENTER OLD WELL

**Kerr-McGee Corporation**

NAME OF COMPANY OR OPERATOR

**P. O. Box K Sunray, Texas 79086**

Address

**Unknown**

Drilling Contractor

Address

**DESCRIPTION OF WELL AND LEASE**

Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>14-20-0603-8823 Navajo</b>	Well number <b>12</b>	Elevation (ground) <b>7 091' GR</b>
Nearest distance from proposed location to property or lease line: <b>540</b> feet	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: <b>2 884</b> feet	
Number of acres in lease: <b>2 533</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>3 completed, 1 completing, and 1 drilling.</b>	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		
Well location (give footage from section lines) <b>1 960' FNL and 540' FEL</b>	Section—township—range or block and survey <b>Section 29, T36N, R30E</b>	Dedication (Comply with Rule 105) <b>E/2 of NE/4</b>
Field and reservoir (if wildcat, so state) <b>Dineh bi Keyah</b>	County <b>Hermosa Apache</b>	
Distance, in miles, and direction from nearest town or post office <b>13 miles SW of Red Rock, Arizona</b>		
Proposed depth: <b>3 500'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>April 21, 1967</b>
Bond Status <b>Blanket bond</b>	Organization Report On file <input checked="" type="checkbox"/> Or attached	Filing Fee of \$25.00 Attached <b>yes</b>

Remarks:

**New R Well**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Engineer** 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.

Signature

*E. C. Smith, Jr.*

Date

**April 18, 1967**

Permit Number: **399**

Approval Date: **4-24-67**

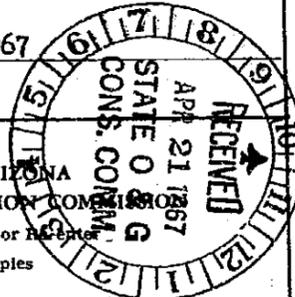
Approved By:

*John Vannister*

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

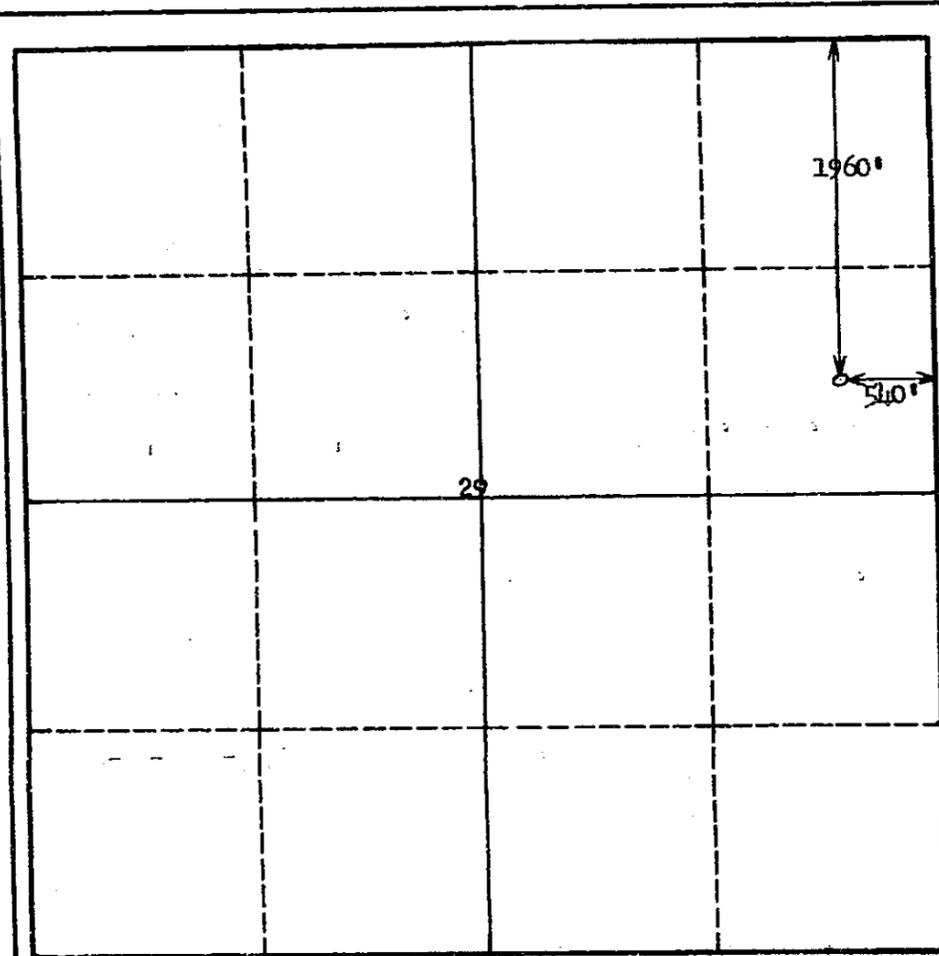
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Drill or Re-enter  
File Two Copies



API 02-001-20023

(Complete Reverse Side)

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 <b>Kerr-McGee Corporation</b>	Land Description <b>Section 29, T36N, R30E, Apache County</b>
	
<b>CERTIFICATION</b> I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name <u>E. C. Buel, Jr.</u> Position <u>Engineer</u> Company <u>Kerr-McGee Corporation</u> Date <u>April 18, 1967</u>	
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 <u>March 24, 1967</u> Registered Professional Engineer and/or Land Surveyor	
Certificate No. _____	

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32.3	H-40	0	400'	0-400'	sufficient to circulate cement
7"	20	J-55	0	3 500'	Sufficient to cover all potentially productive zones.	



# PERMIT TO DRILL

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

To: KERR-MC GEE CORPORATION  
(OPERATOR)

to drill a well to be known as

Kerr-McGee #12 Navajo  
(WELL NAME)

located 1960' PNL and 540' FEL (SE/4 NE/4)

Section 29 Township 36N Range 30E, Apache County, Arizona.

The E/2 NE/4 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 24th day of April, 19 67

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL YOU MUST BE IN FULL COMPLIANCE WITH RULE 105, SECTION A THRU G (SPACING), WITH RESPECT TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION

By John K. Kinnister  
EXECUTIVE SECRETARY

PERMIT No. 399

RECEIPT NO. 9491

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

Operator KERR MC GEE ~~OFF INDUSTRIES INC~~ Corporation  
 Bond Company Insurance Co. of N. America Amount 25,000  
 Bond No. M 41 95 25 (KMS28) Date Approved 10-28-65

Permits covered by this bond:

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

**CANCELLED**

DATE 10-24-68

→ see this file

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

399

October 23, 1967

Kerr-McGee Corporation  
215 Petroleum Center Building  
Farmington, New Mexico 87401

Attention: Mr. C.D. Williams, Production Superintendent

Re: Kerr-McGee #C-1 Navajo  
SE SW 33-36N-30E Apache County, Arizona  
Permit 397

Kerr-McGee #12 Navajo  
SE NE 29-36N-30E Apache County, Arizona  
Permit 399

Gentlemen:

In reply to your letter of October 9, 1967 concerning captioned permits, these permits are extended to expire January 24, 1968.

Very truly yours,

John Bannister  
Executive Secretary  
mr



**KERR-MCGEE CORPORATION**

KERR-MCGEE BUILDING - OKLAHOMA CITY, OKLAHOMA 73102  
215 Petroleum Center Building  
Farmington, New Mexico 87401

October 9, 1967

State of Arizona  
Oil & Gas Conservation Commission  
Room 202 - 1624 West Adams  
Phoenix, Arizona

Attention: Mr. John Bannister,  
Executive Secretary

Re: Navajo "C" No. 1  
Permit No. 397  
Navajo No. 12  
Permit No. 399  
Dineh-bi-Keyah Field  
Apache County, Arizona

Dear Mr. Bannister:

Drilling Permit No. 397 for the Navajo "C" Well No. 1 is scheduled to expire October 24, 1967. Permit No. 399 for the Navajo No. 12 is also scheduled to expire October 24, 1967. It would be appreciated if the permits for drilling these two wells could be extended for an additional 90 days.

Sincerely yours,

C. D. Williams  
Production Superintendent

CDW:la  
OK JB



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June 20, 1967

Kerr-McGee Corporation  
215 Petroleum Center Building  
Farmington, New Mexico 84701

Attention: Mr. C.D. Williams, Production Superintendent

Gentlemen:

In reply to your letter of June 8, 1967 the following permits have been extended for an additional 90 days, to expire as shown:

#4 Navajo, Permit 384  
to expire September 9, 1967

#8 Navajo, Permit 391  
to expire September 30, 1967

#C-1 Navajo, Permit 397  
to expire October 24, 1967

→ #12 Navajo, Permit 399  
to expire October 24, 1967

If this office may be of further assistance to you, please contact us.

Very truly yours,

John Bannister  
Executive Secretary  
mj

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**KERR-MCGEE CORPORATION**

KERR-MCGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

215 Petroleum Center Building

Birmingham, Alabama

June 8, 1967

*Jim  
for your info*

State of Arizona  
Oil & Gas Conservation Commission  
Room 202 - 1624 W. Adams  
Phoenix, Arizona

Attn: Mr. John Bonister, Exec. Secretary

RE: Dinah-bi-Kayah Field  
Apache County, Arizona

Dear John:

In a telephone conversation with your office today, we were made aware of the fact that the permit to drill for certain wells in the Dinah-bi-Kayah Field would expire in the near future since drilling operations would not commence within the allowed period of 90 days, after date of approval. These wells are:

WELL	PERMIT NO.	DATE OF APPROVAL
Navajo #4	384	3-9-67
Navajo #8	391	3-30-67
Navajo #12	399	4-24-67
Navajo "C" #1	397	4-24-67

This letter is to confirm my verbal request that the permit time for these four wells be extended an additional 90 days. Due to the changing geological interpretation with the drilling of each well, it is desirable to postpone the drilling of these wells at this time. These locations will probably be drilled at a later date and we would like to keep the permits active. Your consideration of this request will be appreciated.

Confirming my telephone conversation with Mr. Jim Scurlock, Kerr-McGee authorizes the Commission to release certain well information that has been requested held confidential. The Commission may release, if desired, (1) the total depth, perforations, and initial potential for the Navajo #3X, #7, and #9 wells, (2) for



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Mr. John Eganister  
June 8, 1967  
Page 2

Navajo "B" #1 release perforations only and the fact that we are still testing, (3) for Navajo "B" #2, the total depth, drill stem test results, perforations in the Paradox completion zone (3901'-3907', 3924'-35') and that the well flowed 98 MCF on 1/8" plate with 300 psi on test during completion.

Your assistance and cooperation in these matters is very much appreciated.

Sincerely yours,  
KERR-MCGEE CORPORATION

*C. D. Williams*  
C. D. Williams  
Prod. Supt.

cc: J. I. Fisher  
File  
RF

399

*Navajo  
Conservation*



**KERR-MCGEE CORPORATION**  
KERR-MCGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102  
215 Petroleum Center Building  
Farmington, New Mexico  
June 5, 1967

State Of Arizona  
Oil & Gas Conservation Comm.  
Room 202 - 1524 W. Adams St.  
Phoenix, Arizona

Attn: Mr. John Bannister, Executive Secr.

RE: 160 Acre Units  
Lower Hermosa Formation  
Pinck-bi-Keyah Field  
Apache County, Arizona

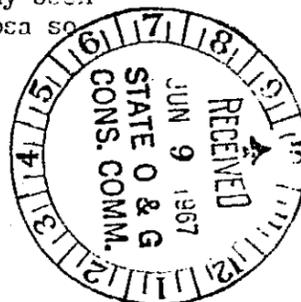
Gentlemen:

As provided by Commission Order No. 21, oil wells in the lower Hermosa formation shall be on spacing units comprising a full governmental quarter section. Certain wells have already been permitted by Kerr-McGee Corporation with a dedicated area of only 80 acres. The quarter section allotted to each of the wells presently permitted is as follows:

WELL	PERMIT NO.	QUARTER SECTION
Navajo #1	377	SW/4 Sec. 32 - 36N - 30E
Navajo #2	379	NE/4 Sec. 32 - 36N - 30E
Navajo #3X	386	SE/4 Sec. 32 - 36N - 30E
Navajo #4	384	NE/4 Sec. 32 - 36N - 30E
Navajo #5	392	SE/4 Sec. 31 - 36N - 30E
Navajo #6	390	NE/4 Sec. 31 - 36N - 30E
Navajo #7	389	SW/4 Sec. 29 - 36N - 30E
Navajo #8	391	SE/4 Sec. 29 - 36N - 30E
Navajo #9	396	SE/4 Sec. 30 - 36N - 30E
Navajo #12	399	NE/4 Sec. 29 - 36N - 30E
Navajo "E" #1	381	NE/4 Sec. 5 - 35N - 30E
Navajo "C" #1	397	SW/4 Sec. 33 - 36N - 30E
Navajo "E" #1	398	SE/4 Sec. 20 - 36N - 30E

Two wells, Navajo "E" #1 and Navajo "B" #2 have already been drilled and did not obtain oil production in the lower Hermosa so

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Attn: Mr. J. Bannister

Page 2

June 5, 1967

these wells were not included. Also, Navajo #3 was not included since it was replaced by Navajo #3X.

If additional information is needed, please advise.

Sincerely yours,  
KERR-McGEE CORPORATION

A handwritten signature in cursive script, appearing to read "C. D. Williams".

C. D. Williams  
Prod. Supt.

CDW/hs

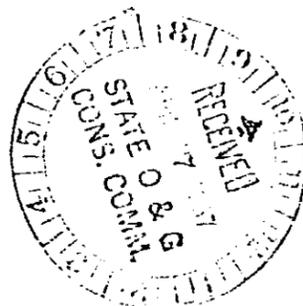
399

*CONFIDENTIAL*



POST OFFICE BOX 10000 DALLAS TEXAS 75220

April 28, 1967



State of Arizona

Oil and Gas Conservation Commission

Room 202, 1624 West Adams  
Phoenix, Arizona 85007

Attention Mr. John Bannister

Gentlemen :

It is our request that all information on producing, drilling, and permitted wells operated by Kerr McGee Corporation in Dinah di Leyeh Field in Apache County Arizona be kept confidential.

The producing wells are Kerr-McGee Navajo wells No. 1, 2, 3X and 7. Well no. 7 has been put on pump but has not been potentialled because mechanical and transportation difficulties. Wells started but not completed are Kerr-McGee Navajo No. 9, Navajo No. B-1 and No. B-2.

Wells that have been permitted but drilling operations have not actually started are our Navajo wells No. 4, 5, 6, 8 and 12, and Navajo B-1 and C-1. Most of the road and location work has been completed on these locations.

Yours very truly,  
Kerr-McGee Corporation

Division Supt. Oil & Gas Production  
Sunny, Texas.

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**KERR-McGEE CORPORATION**

POST OFFICE BOX "K" - SUNRAY, TEXAS 79086

April 18, 1967

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

Attention: Mr. John Bannister

Gentlemen:

Enclosed are two copies each of Arizona Oil and Gas Conservation Commission Form No.3, Application For Permit to Drill and the Surveyors Plat, one copy of U.S.G.S. Form No.9-331C, Application for Permit to Drill, and a draft of \$25.00 for the filing fee, for the Kerr-McGee Corporation Navajo No.12 located 1960' FNL and 540' FEL of Section 29, T36N, R30E, Apache County, Arizona. Also enclosed are two copies each of the surveyed location plats for the Kerr-McGee Corporation Navajo No. C-1 and Navajo No. E-1.

Please keep all information concerning these well confidential.

Yours very truly,

KERR-McGEE CORPORATION

*E. C. Reish, Jr.*

E. C. Reish, Jr.

ECB/s

Enclosures::

