

KERR-McGEE CORP/NAVAJO
NW/SE Sec 31-T36N-R30E, Apache Co. 618

D.W.

COUNTY Apache AREA 10 mi SW of Red Rock LEASE NO. 14-20-0603-8823

WELL NAME Alt. State Petroleum (5-194) 17
Kerr-McGee Corporation, Navajo

LOCATION NW/SW SEC 31 TWP 36N RANGE 30E FOOTAGE 1980 FSL - 1980 FEL
 ELEV 8622 GR 8633 KB SPUD DATE 12-21-73 STATUS Oil TOTAL DEPTH 4009' KB
 COMP. DATE 2-28-74 PBTD 4003'

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>9 5/8</u>	<u>780'</u>	<u>400</u>		DRILLED BY CABLE TOOL	
<u>7</u>	<u>3881</u>	<u>250</u>		PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	<u>Hermosa Sill</u> <u>246 BOD</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	727		<u>x</u>	Prepared to frac from 3881' to 4003'
Coconino	1595			with 37,500 lbs., 10-20 sand, 40,000
Cutler	2300			gallons lease crude.
Hermosa	3398			March - first month of production for #17
Top of Sill	3869			
Bottom of Sill	4005			
(see completion report)				

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
IE & Comp. Formation	<u>open hole</u>	<u>3885-4009</u>	SAMPLE DESCRP.
Density-Gamma Ray Neutron		<u>3881-4003 CED</u>	SAMPLE NO. XXXXXX
			CORE ANALYSIS
			DSTs

REMARKS _____ APP. TO PLUG _____
 _____ PLUGGING REP. _____
 _____ COMP. REPORT x

WATER WELL ACCEPTED BY _____
 BOND CO. Firemens Ins. Co. BIA BOND BOND NO. 188-98-10-528
 BOND AMT. \$ 25,000 CANCELLED 12/1/97 DATE _____ ORGANIZATION REPORT 6-17-69
 FILING RECEIPT #9 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-001-20190 DATE ISSUED 10-10-73 DEDICATION Se/4 Section 31

PERMIT NUMBER 668

sl

COUNTY Apache AREA 10 mi SW of Red Rock LEASE NO. 14-20-0603-8823

WELL NAME Mtn. States Petroleum (5-1-74) 17
~~Kerr-McGee Corporation Navajo~~

LOCATION NW/SW SEC 31 TWP 36N RANGE 30E FOOTAGE 1980 FSL - 1980 FEL
ELEV 8622 GR 8633 KB SPUD DATE 12-21-73 STATUS Oil TOTAL DEPTH 4009' KB
COMP. DATE 2-28-74 PBTD 4003'

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
9 5/8	780'	400		<input checked="" type="checkbox"/>
7	3881	250		<input type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <u>Hermosa Sill</u>

246 BOD
5 BOW
GOR 339

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	727		x	Prepared to frac from 3881' to 4003'
Coconino	1595			with 37,500 lbs., 10-20 sand, 40,000
Cutler	2300			gallons lease crude.
Hermosa	3398			March - first month of production for #17
Top of Sill	3869			
Bottom of Sill	4005			
(see completion report)				

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IE & Comp. Formation	open hole	3885-4009	SAMPLE DESCRP.
Density-Gamma Ray Neutron		3881-4003 CED	SAMPLE NO. XXXXXX
			CORE ANALYSIS
			DSTs

REMARKS _____ APP. TO PLUG
PLUGGING REP.
COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. Firemens Ins. Co. BIA BOND BOND NO. 188 98 10-528
DATE _____ ORGANIZATION REPORT 6-17-69
BOND AMT. \$ 25,000 CANCELLED 12/1/97
FILING RECEIPT #9 LOC. PLAT WELL BOOK PLAT BOOK
API NO. 02-001-20190 DATE ISSUED 10-10-73 DEDICATION Se/4 Section 31

PERMIT NUMBER 618

(over)

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 Kerr-McGee Corporation		Address P.O. Box 250, Amarillo, Texas 79105	
Federal, State or Indian Lease Number or name of lessor if fee lease 14-20-0603-8823 Navajo		Well Number 17	Field & Reservoir Dineh-bi-Keyah - Lower Hermosa
Location 1,980' FSL & 1,980' FEL		County Apache	
Sec. TWP-Range or Block & Survey Section 31, T36N, R30E, G&SRM Survey			
Date spudded 12-21-73	Date total depth reached 4,009'	Date completed, ready to produce 2-28-74	Elevation (DF, RKB, RT or Gr.) feet 8,622' GR
Total depth 4,009'	P.B.T.D. 4,003'	Single, dual or triple completion? Single	If this is a dual or triple completion, furnish separate report for each completion.
Producing interval (s) for this completion 3,885' - 4,003'		Rotary tools used (interval) 0' - 3,885'	Cable tools used (interval) 3,885' - 4,009'
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed? No	Date filed ----
Type of electrical or other logs run (check logs filed with the commission) Induction-Electric and Formation Density			Date filed March 15, 1974

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
Surface	12 1/4"	9 5/8"	32.3	780'	400 SXS	None
Production	8 3/4"	7"	20	3,885' ³⁶⁶¹	250 SXS	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
3 1/2 in.	3,995 ft.	None ft.	None 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
None	Open Hole	Below 7"	56,826 Gals. crude & 35,913# 10-20 sand	3885' - 4003'

INITIAL PRODUCTION

Date of first production 3-1-74		Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) Pumping 3" x 2" x 16' Pump				
Date of test 3-5-74	Hrs. tested 24	Choke size None	Oil prod. during test 246 bbls.	Gas prod. during test 83.5 MCF	Water prod. during test 5 bbls.	Oil gravity 40 ° API (Corr)
Tubing pressure None	Casing pressure None	Cal'd rate of Production per 24 hrs. 246 bbls.	Oil 246 bbls.	Gas 83.5 MCF	Water 5 bbls.	Gas-oil ratio 339
Disposition of gas (state whether vented, used for fuel or sold): Vented						

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Production Supt. 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.

March 15, 1974
Date

C. J. Breeden
Signature

C. J. Breeden

RECEIVED

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Well Completion or Recompletion Report and Well Log

Form No. 4

File One Copy

Permit No. **618**

O & G CON. COMM.

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Chinle (Triassic)	0	1,595'	Red Shale with thin stringers of sand
Coconino (Permian)	1,595'	3,398'	Massive sandstone with shaley stringers
Hermosa (Penn)	3,398'	3,580'	Gray dense limestone with some gray shale and sandstone stringers
Paradox (Penn)	3,580'	3,855'	Gray white dense limestone to light gray sandy and cherty limestone
Black Shale (Penn)	3,855'	3,870'	Black shale
Intrusive (Tertiary)	3,870'	4,005'	Syenite
	4,005'	4,009'	Limestone
No cores or drill stem tests.			

* 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

**OPERATOR'S CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL OR GAS FROM LEASE**

Federal, State or Indian Lease Number, or lessor's name if fee lease <u>14-20-0603-8823</u>	Field <u>Dineh-BI-Keyah</u>	Reservoir <u>Hermosa</u>
Survey or Sec-Twp-Rge <u>Sec 29, 30, 31, 32 T-36N-R30E</u>	County <u>Apache</u>	State <u>AZ</u>
Operator <u>Mountain States Petroleum Corp.</u>		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street <u>P O Bx 1936</u>	City <u>Roswell,</u>	State <u>New Mexico 88202</u>
Above named operator authorizes (name of transporter) <u>Giant Industries</u>		
Transporter's street address <u>P O Bx 12999</u>	City <u>Scottsdale,</u>	State <u>AZ</u>
Field address <u>P O Bx 256 (Bloomfield Hwy) Farmington, N M 87499</u>		
Oil, condensate, gas well gas, casinghead gas		
To transport	<u>100% of the</u>	<u>oil</u> from said lease.
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change. <u>Change of Oper.</u>		

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Secretary of the Mountain States Petro. Corp. (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 Aug. 11, 1995 Ruby Wickersham
Signature

Date approved: AUG 16 1995

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: Steven L. Rainey

Permit No. 618

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Operator's Certificate of Compliance & Authorization to
Transport Oil or Gas from Lease
File Two Copies
Form No. 1

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 14-20-0603-8823
2. Name of Operator Kerr-McGee Corporation	6. If Indian, Allottee or Tribe Name Navajo
3. Address and Telephone No. U.S. Onshore Region, P. O. Box 25861, Oklahoma City, OK 73125	7. If Unit or CA, Agreement Designation P/N 618
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 1980' FEL Sec. 31, T36N, R30E	8. Well Name and No. Navajo #17
	9. API Well No. 02-001-20190
	10. Field and Pool, or Exploratory Area Dineh-Bi-Keyah
	11. County or Parish, State Apache Co., AZ

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Shut-in</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)

The long-term shut-in for the subject well expired 12-31-92. Kerr-McGee requests a one year extension to 12-31-93.

APPROVED
SLR
2/17/93



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

Signed J. Dunbar Title Regulatory Specialist Date 2-15-93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR'S CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL OR GAS FROM LEASE		
Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0603-8823 Navajo	Field Dineh-Bi-Keyah	Reservoir Hermosa
Survey or Sec-Twp-Rge Several - T 36 N, R 30 E	County Apache	State Arizona
Operator Kerr-McGee Corporation		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street P. O. Box 250	City Amarillo	State Texas, 79189
Above named operator authorizes (name of transporter) Gary-Williams Energy		
Transporter's street address 370 17th St., Suite 5300	City Denver	State Colorado, 80202
Field address P. O. Box 159, Bloomfield, NM 87413		
Oil, condensate, gas well gas, casinghead gas		
To transport	100 % of the Oil	from said lease.
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change.		

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Area Manager 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.

8/18/92
Date

H.H. Rice
Signature

H.H. Rice

Date approved: 8-21-92

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Rainz

Permit No. _____

<p>STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Operator's Certificate of Compliance & Authorization to Transport Oil or Gas from Lease File Two Copies Form No. 8</p>
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Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Kerr-McGee Corporation

3. Address and Telephone No. 405-270-6023
U.S. Onshore Region, P. O. Box 25861, Oklahoma City, OK 73125

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1980' FSL & 1980' FEL
 Sec. 31, T36N, R30E**

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires: March 31, 1993

5. Lease Designation and Serial No.
14-20-0603-8823

6. If Indian, Allottee or Tribe Name
Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No. **Navajo #17 618**

9. API Well No.
02-001-20190

10. Field and Pool, or Exploratory Area
Dineh-Bi-Keyah

11. County or Parish, State
Apache Co., AZ

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other Test Mechanical Integrity	<input type="checkbox"/> Dispose Water

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

13. 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.)*

See attached



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

Signed *D. Duran* Title Regulatory Specialist Date 8-20-92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

NAVAJO #17
Dineh-Bi-Keyah Field

7/10/92

Mechanical Integrity Test

MI rig & RU. Bled pressure off wellhead. ND wellhead. NU BOP w/closing unit. MI roustabouts & set 1 anchor, TOO H w/118 jts 9.3#/ft J-55 8rd tubing, 1-7" tubing anchor, 1-1.10 2-7/8" S.N., 1-25'-2-7/8" mud anchor w/1-2-7/8" x 3-1/2" x-over. LD BHA. PU 7" Baker Model EA Retrieomatic compression packer, 118 jts of 3-1/2" 9.3#/ft J-55, 8rd EUE tubing, 1-2-7/8" x 3-1/2" x-over, 3 jts of 2-7/8" 6.5 #/ft J-55 8rd EUE tubing. Set packer @ 3825', 60' above open hole completion. Open hole completion @ 3885'-4003' PBTD. MI 150 bbls of fresh water treated with Tretolite KW-37 bactericide chemical & loaded 7" casing w/101 bbls of water, pressure up 7" casing to 450 psi & 3-1/2" tubing ruptured & lost pressure. Open valve in tubing & tubing went on vacuum.

Release pump truck & vaccum truck. SDFN.

SUPERVISOR: Ray Benally

7/11/92

Mechanical Integrity Test

Open well, TOO H w/3 jts of 2-7/8" 6.5#/ft J-55 8rd tubing, 118 jts of 3-1/2" 9.3#/ft J-55 tubing & LD 3-1/2" tubing on float in singles. Found 1 jt of 3-1/2" tubing failed at bottom of joint. Checked & inspected 7" Baker Model EA Retrieomatic compression packer & TIH w/packer, 120 jts of 2-7/8" 6.5#/ft 8rd J-55 EUE tubing & set 7" packer @ 3825' RKB - 60' above open hole completion. MI 140 BFW treated w/Tretolite KW-37 bactericide. Pumped & loaded 7" casing w/130 BFW. Pressure tested 7" casing to 660 psi. PSI held for 30 mins. Release pressure off 7" casing, unset 7" packer, TOO H w/120 jts of 2-7/8" tubing, LD tubing, ND BOP & unit. NU wellhead. Release hot oiler & vaccum truck. MI roustabout w/truck & float. Haul 3-1/2" pipe to DBK yard.

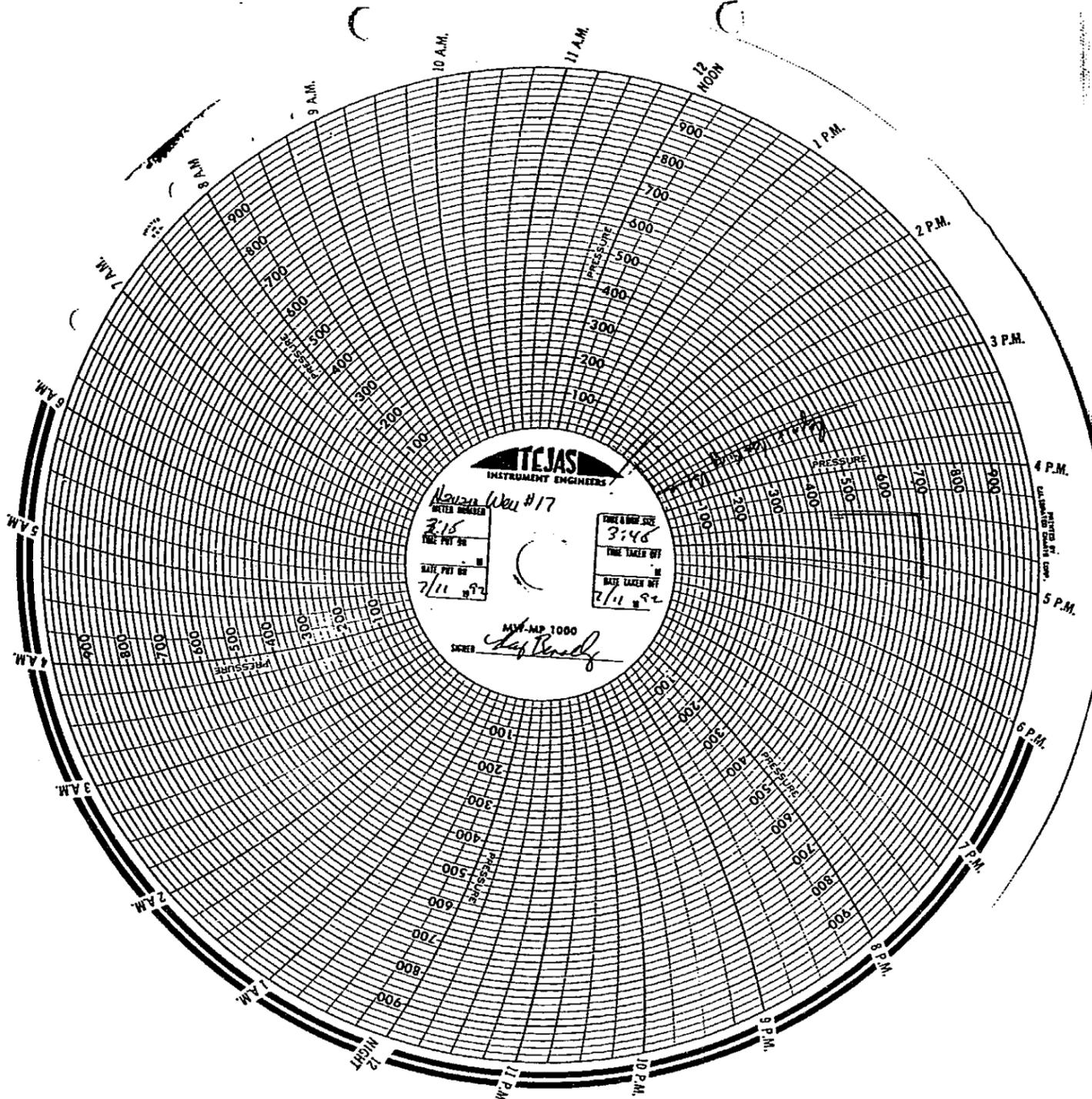
SUPERVISOR: Ray Benally

7/14/92

RD pulling unit, release 2-7/8" work string, release BOP w/closing unit & rental tools.

No government agency to witness pressure testing.
Chart recording attached.

SUPERVISOR: Ray Benally



Form 3160-5
(June 1990)

UNITED STATES
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SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-0603-8823

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Navajo #17

9. API Well No.

02-001-20190

10. Field and Pool, or Exploratory Area

Dineh-Bi-Keyah

11. County or Parish, State

Apache Co., AZ

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Kerr-McGee Corporation

3. Address and Telephone No.
U.S. Onshore Region, P. O. Box 25861, Oklahoma City, OK 73125
405/270-6023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 1980' FEL
Sec. 31, T36N, R30E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Mechanical Integrity Test</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. 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.)

The long term shut in for the subject well expired December 31, 1991. Kerr-McGee would like to extend the shut in for one additional year to December 31, 1992.

The casing integrity will be tested to allow the well to remain in a shut in status. Kerr-McGee requests that the test be deferred until late spring or early summer due to the current adverse weather conditions. The test will be conducted prior to July 1, 1992.

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

Signed G. Bunas G. Bunas Title Analyst II Date 2-28-92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any: _____

Title _____ Date _____

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P/N 618

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Expires: March 31, 1993

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8. Well Name and No.

Navajo #17

9. API Well No.

02-001-20190

10. Field and Pool, or Exploratory Area

Dineh-Bi-Keyah

11. County or Parish, State

Apache Co., AZ

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Kerr-McGee Corporation

3. Address and Telephone No.

405/270-6023

U.S. Onshore Region, P. O. Box 25861, Oklahoma City, OK 73125

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

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

13. 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.)*

The long term shut in for the subject well expired December 31, 1991. Kerr-McGee would like to extend the shut in for one additional year to December 31, 1992.

The casing integrity will be tested to allow the well to remain in a shut in status. Kerr-McGee requests that the test be deferred until late spring or early summer due to the current adverse weather conditions. The test will be conducted prior to July 1, 1992.

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

Signed G. Bunas G. Bunas Title Analyst II Date 2-28-92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

P/N 618

GAS-OIL RATIO TEST REPORTS

Filed under Oil-Gas Ratio Tests, Dineh-bi-Keyah Field
in cabinet in office of Enforcement Director

Form 9-331
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8823
2. NAME OF OPERATOR KERR MCGEE CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P. O. BOX 250, AMARILLO, TEXAS 79105		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,980' FSL and 1,980' FEL of Section 31, T36N, R30E G & SRM Survey		8. FARM OR LEASE NAME NAVAJO
14. PERMIT NO. State No. 618	15. ELEVATIONS (Show whether DF, NY, GR, etc.) 8,622' GR	9. WELL NO. NO. 17
		10. FIELD AND POOL, OR WILDCAT DINEH-BI-KEYAH
		11. SEC., T., R. M., OR B.L. AND SURVEY OR AREA Sec. 31, T36N, R30E G & SRM Survey
		12. COUNTY OR PARISH APACHE
		13. STATE ARIZONA

16. 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"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input checked="" type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>	Clean Out <input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)	

17. 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.)*

Acidize well with 1,000 gal. Resi-sol and 100 gal crude oil down tubing annulus. Pump acid out. Pull pump, rods and tubing. Clean out to 4,003. Fracture treat with 500 gal. scale preventor; 101,800 gal. crude oil; 10,500# of 100 mesh sand, 81,000# 10-20 sand at 120 BPM. Clean out to 4,003'; run tubing pump, and rods and place well on production.

Est. Date: November 21, 1977

RECEIVED

NOV 14 1977

O & G CONS. COMM.

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

SIGNED Loyd D. McRae TITLE District Manager-Engineering DATE 11-11-77

(This space for Federal or State official use)

APPROVED BY [Signature] TITLE _____ DATE 11-18-77

CONDITIONS OF APPROVAL, IF ANY:

POTENTIAL TEST AND REQUEST FOR ALLOWABLE OIL WELLS

DESIGNATE TYPE OF COMPLETION:

New Well Work-over Deepen Plug Back Same Reservoir Different Reservoir

Other Reason For Filing:

Operator
Kerr-McGee Corporation
Address
P.O. Box 250, Amarillo, Texas 79105

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or Lessor's Name if Fee Lease	Well Name	County
14-20-0603-8823	Navajo	Apache
Footage Location 1,980' FSL and 1,980' FEL		
Sec. Twp. Rge. Section 31, T36N, R30E, G&SRM Survey		
Date spudded 12-21-73	Date completed, ready to produce 2-28-74	Total depth 4,009'
Field and reservoir Dineh-Bi-Keyah Lower Hermosa		P.B.T.D. 4,003'
		Producing interval 3,885' - 4,003'

TEST DATA

Date of first production 3-1-74	Date of test 3-5-74	Length of test 24 hrs.	Producing method (flow pump, gas lift) Pump	Amount of load oil injected if any. 1,666
Number of barrels of oil produced from completion or recompletion date to test date 877		If well is produced by pumping, give pump size, length of stroke and strokes per minute. 3" x 2" x 16' 74" 13SPM		
Tubing pressure None	Casing pressure None	Choke size None		
*Actual production during test:	Oil (bbls) 246	Water (bbls) 5	Gas (MCF) 83.5	
*Production must actually equal or exceed wells daily allowable or test must be for full 24 hours				
Gas-oil ratio 339	MCF/bbl.	Oil gravity 40.3	*API corrected	Name of transporter of oil Kerr-McGee Corporation
Number of acres attributed to this well 160	Number of producing wells in this reservoir on this lease, including this well 13	Single, dual or triple completion? Single	Daily allowable requested (bbls)	

Plat showing acreage attached—plat should show leases, offset wells, distance from this well to the nearest well on the same lease completed in or drilling to the same reservoir, and the boundaries of drilling and producing, or proration, units attributed to this well and other wells on the same lease completed in or drilling to the same reservoir, the number of acres in each unit and the number of acres in the lease.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Production Supt. 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.

March 15, 1974
Date

C. J. Breeden
Signature
C. J. Breeden

Witnessed by: Kerr-McGee Corporation
Organization
Signature
March 15, 1974
Date

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

RECEIVED

Potential Test & Request for Allowable—Oil Wells

File One Copy

Permit No. 618

Form No. 6
O & G COM. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. Oil Well GAS Well OTHER (Specify) _____

3. Well Name Navajo Well No. 17

Location 1,980' FSL and 1,980' FEL (C of NW SE)

Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Diney-bi-Keyah

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"/>	FULL 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) <u>Weekly Progress</u>	<input checked="" type="checkbox"/>	ABANDONMENT	<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.)

2-21 to 2-23-74 - Installing pumping equipment, flowline and electrical power line.
 2-24 to 2-27-74 - Pumping back load oil from frac job.

RECEIVED

MAR 1 1974

O & G CONS. COMM.

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

Signed [Signature] Title Dist. Prod. Supt. Date 2-28-74

Permit No. 618

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 28

WAP
EAK

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. Oil Well GAS WELL OTHER (Specify) _____

3. Well Name Navajo Well No: 17

Location 1,980' FSL and 1,980' FEL (C of NW SE)

Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-bi-Keyah

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) <u>Weekly Progress</u>	<input checked="" type="checkbox"/>	ABANDONMENT	<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.)

2-14-74 - Ran 3" x 2" x 16' Pump and 3/4" rods.

2-15-74 - 2-20-74 - Rigged down and moved out cable tools. Installing Pumping Equipment, Flowline, and Electrical Power Line.

RECEIVED

FEB 21 1974

O & G CONS. COMM.

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

Signed

J. Breeden

Title Dist. Prod. Supt.

Date 2-22-74

Permit No. 618

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 Kerr-McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo Well No. 17
 Location 1,980' FSL and 1,980 FEL (C of NW SE)
 Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease: Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-bi-Keyah

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) <u>Weekly Progress</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" 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.)

2-7-74 through 2-13-74

Swabbing back load oil from fracture treatment. Have swabbed back 318 barrels of load oil in 6 days (Down Sunday 2-10-74). Need to recover an additional 1,348 barrels of load oil.

RECEIVED

FEB 19 1974

O & G CONS. COMM.

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

Signed E. J. Braden Title Dist. Prod. Supt. Date 2-14-74

Permit No. 618

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 Kerr-McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo Well No. 17
 Location 1,980' FSL and 1,980' FEL (C of NW SE)
 Sec 31 Twp 36 N Rge 30 E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-bi-Keyah

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"/>	FULL 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) <u>Weekly Progress</u>	<input checked="" 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.)

1-31-74 Drilled from 3,969' to 4,000'
 2-1-74 Drilled from 4,000' to 4,009'. Logged open hole section. Plugged back from 4,009' to 4,003' with Hydromite.
 2-2-74 Fracture treated well with 56,826 gallons of lease crude and 35,913# of 10-20 sand. Maximum pressure 1,600 PSI, average pressure 1,150 PSI, average rate 90.2 BPM. Instant shut down pressure 200 PSI. On vacuum in 1½ hours.
 2-3-74 Found 40' of sand in hole. Cleaned out 25' with sand pump.
 2-4-74 Shut down over Sunday.
 2-5-74 Finished cleaning out sand to PBTD 4,003'. Started running 3½" OD tubing.
 2-6-74 Finished running tubing. Bottom of tubing at 3,984' RKB. Rigged up to swab well. Shut down overnight.

RECEIVED
 FEB 4 - 1974
 O & G CONSV. COMM.

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

Signed E. J. Braden Title Dist. Prod. Supt. Date 2-9-74

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 23

Permit No. 618

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo Well No. 17
 Location 1,980' FSL and 1,980' FEL (C of NW SE)
 Sec 31 Twp 36N Rge 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Diney-bi-Keyah

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) <u>Weekly Progress</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" 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.)

- 1-25-74 - Finished moving in cable tools and rigged up.
- 1-26-74 - Swabbing down casing
- 1-27-74 - Finished swabbing down casing and started bailing top of cement at 3,790'. 7" OD casing was set at 3,881' as reported previously.
- 1-28-74 - Finished bailing hole dry. Allowed well to set 1 1/2 Hrs. Ran Bailer. Hole still dry. Drilled out cement from 3,790' to 3,881'. Drilled from 3,881' to 3,895'.
- 1-29-74 - Drilled from 3,895 to 3,939'.
- 1-30-74 - Drilled from 3,939' to 3,969'.

RECEIVED
 FEB 6 1974
 O & G CON. COMM.

8. I hereby certify that the foregoing is true and correct.
 Signed Cl J Breiden Title Dist. Prod Supt. Date 1-30-74

Permit No. 618

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

February 1, 1974

Memo to Kerr-McGee File Navajo #17
NW/SE Sec 31-36N-30E
Apache County - Permit No. 618

Memo from W. E. Allen, Director
Enforcement Section

Total depth of the above referenced well is 4008' K.B. and plugged
back total depth is 4003'

Top of sill 3869'
Bottom of sill 4005'

FORMATION TOPS

Chinle	727
Coconino	1594
Cutler	2300
Hermosa	3410
Top of sill	3869

These tops are picked from electric logs.

Prepared to frac from 3881' to 4003' with 37,500 lbs., 10-20 sand,
40,000 gallons lease crude.

WEA/rlb

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo Well No. 17
 Location 1980' FSL and 1980' FEL (C of NW SE)
 Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-Bi-Keyah

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"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>			(OTHER) <u>Weekly Progress</u>	<input checked="" 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.)

1-18-74 Drilled to 3,881'. Logged well.
 1-19-74 Ran 7" OD, 20#/ft, K-55, ST&C casing and set at 3,881'. Cemented with 250 sacks of class H cement. Set 7" on casing. Installed well head. Released drilling rig.
 1-20-74
 to Moving out rotary rig and moving in cable tool rig.
 1-24-74

RECEIVED
 JAN 25 1974
 O & G CON. COMM.

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

Signed L. J. Gaudin Title Dist. Prod. Supt. Date 1-24-74

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

Permit No. 618

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo Well No. 17

Location 1980' FSL and 1980' FEL (C of NW SE)

Sec. 31 Twp. 36N Rge. 30 E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-bi-Keyah

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"/>
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REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER) <u>Weekly Progress</u>		ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>						<input checked="" 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.)

1-10-74 Drilling at 3,027'

1-17-74 Drilling at 3,832'

RECEIVED

JAN 21 1974

O & G CON. COMM.

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

Signed C.J. Breeden C.J. Breeden Title Dist. Prod. Supt. Date 1-17-74

Permit No. 618

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 Kerr-McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo Well No. 17
 Location 1980' FSL and 1980' FEL (C of NW SE)
 Sec. 31 Twp. 36N Rge. 30 E County Apache Arizona.
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5. Field or Pool Name Dineh-bi-Keyah

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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) <u>Weekly Progress</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" 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.)

1-3-74 Drilling at 2,372 with loss of circulation problems.

1-9-74 Drilling at 2,897 with no loss of circulation.

RECEIVED

JAN 14 1974

O & G CONS. COMM.

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

Signed C. J. Breeden C. J. Breeden Title Dist. Prod. Supt. Date 1-9-74

Permit No. 618

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

WPA

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo Well No. 17

Location 1980' FSL and 1980' FEL (C of NW SE)

Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Dineh - bi-Keyah

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"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>
		WATER SHUT-OFF	<input checked="" type="checkbox"/>
		FRACTURE TREATMENT	<input type="checkbox"/>
		SHOOTING OR ACIDIZING	<input type="checkbox"/>
		MONTHLY PROGRESS	<input type="checkbox"/>
		REPAIRING WELL	<input type="checkbox"/>
		ALTERING CASING	<input type="checkbox"/>
		ABANDONMENT	<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.)

Second Report of Drilling Well.

- 12-26-73 Welded on 9 5/8" OD SOW x 10" Series 600 Bradenhead. Installed blowout preventors.
- 12-27-73 Tested casing and blowout preventors to 1,000 PSIG. All held. Drilled out cement and drilling ahead.
- 1-2-74 Drilling at 2,250'.

RECEIVED
 JAN 07 1974
 O & G CONNS. COMM.

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

Signed L. J. Breiden Title Dist. Prod. Supt. Date 1-2-74

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

Permit No. 618

WJ

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo Well No. 17

Location 1,980' FSL and 1,980' FEL (C OF NW SE)

Sec. 31 Twp. 36N Rge. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo 14-20-0603-8823

5. Field or Pool Name Dineh-bi-Keyah

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"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>		(OTHER)	REPAIRING WELL	<input type="checkbox"/>
			Spud Date	ALTERING CASING	<input type="checkbox"/>
				ABANDONMENT	<input type="checkbox"/>
					<input checked="" 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.)

Spudded well at 8 pm, 12-21-73. Drilled 12 1/2" hole from 0' to 780'. 12-22-73 set 9 5/8" OD, 32.3 #/Ft., H-40, ST&G casing at 780'. Cemented with 400 sacks of cement. Plug down at 7 pm, 12-22-73. Circulated out approximately 108 sacks of cement to surface. Shut down rig until after Christmas.

RECEIVED
 DES 12 26 73
 O & G CONS. COMM.

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

Signed C. J. Breiden Title Dist. Prod. Supt. Date 12-26-73

Permit No. 618

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 23

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL DEEPEN PLUG BACK

b. TYPE OF WELL OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
P. O. Box 250, Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface **1980' FSL & 1980' FEL (C of NW SE) Sec 31, T36N, R30E**
At proposed prod. zone **Apache County, Arizona**
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 miles Southwest of Red Rock, Arizona

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) **1980'**

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1440'**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
8622 Gr

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/2"	9 5/8"	32.3#/ft	750'
8 3/4"	7"	2.0#/ft	4100'

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8823

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo

9. WELL NO.
17

10. FIELD AND POOL, OR WILDCAT
Dineh-bi-Keyah

11. SEC., T., R., M., OR U.S.P. AND SURVEY OR AREA
Sec. 31, T36N, R30E

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Sept. 20, 1973

QUANTITY OF CEMENT
**Volume sufficient to circulate
Volume sufficient to cover
all potential productive
zones**

Blowout Preventers: 250'-4100'

1. Kill and choke manifold.
2. 10" Series 900 Double blowout preventer with pipe rams below 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 **Warren E. Richardson** TITLE **District Manager** DATE **9-6-73**

(This space for Federal or State office use)
PERMIT NO. **618** APPROVAL DATE

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
SEP 10 1973

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 250 Amarillo, Texas 79105
Address City State

Unknown at this time.
Drilling Contractor

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
14-20-0603-8823 Navajo	17	8622
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
1980 feet	1440 feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2533	14	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
None		

Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
1980' FSL & 1980' FEL	Sec. 31, T36N, R30E, G&SRM	SE/4, Sec. 31

Field and reservoir (if wildcat, so state)	County
Dineh-bi-Keyah	Apache

Distance, in miles, and direction from nearest town or post office
10 miles Southwest of Red Rock, Arizona

Proposed depth:	Rotary or cable tools	Approx. date work will start
4100	Rotary	September 20, 1973
Bond Status Blanket Bond	Organization Report	Filing Fee of \$25.00
Amount	On file <input checked="" type="checkbox"/> Or attached	Attached <input checked="" type="checkbox"/> Yes

Remarks:
Development Well

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Manager 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.

RECEIVED
SEP 10 1973
O & G CONNS. COMM.

Signature Warren E. Richardson
Date September 6, 1973

Permit Number: 618
Approval Date: 10-10-73
Approved By: [Signature]

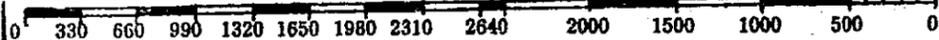
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
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
SEE ATTACHED SURVEY PLAT	<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 Kerr-McGee Corporation</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 August 31, 1973</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>Certificate No. _____</p>

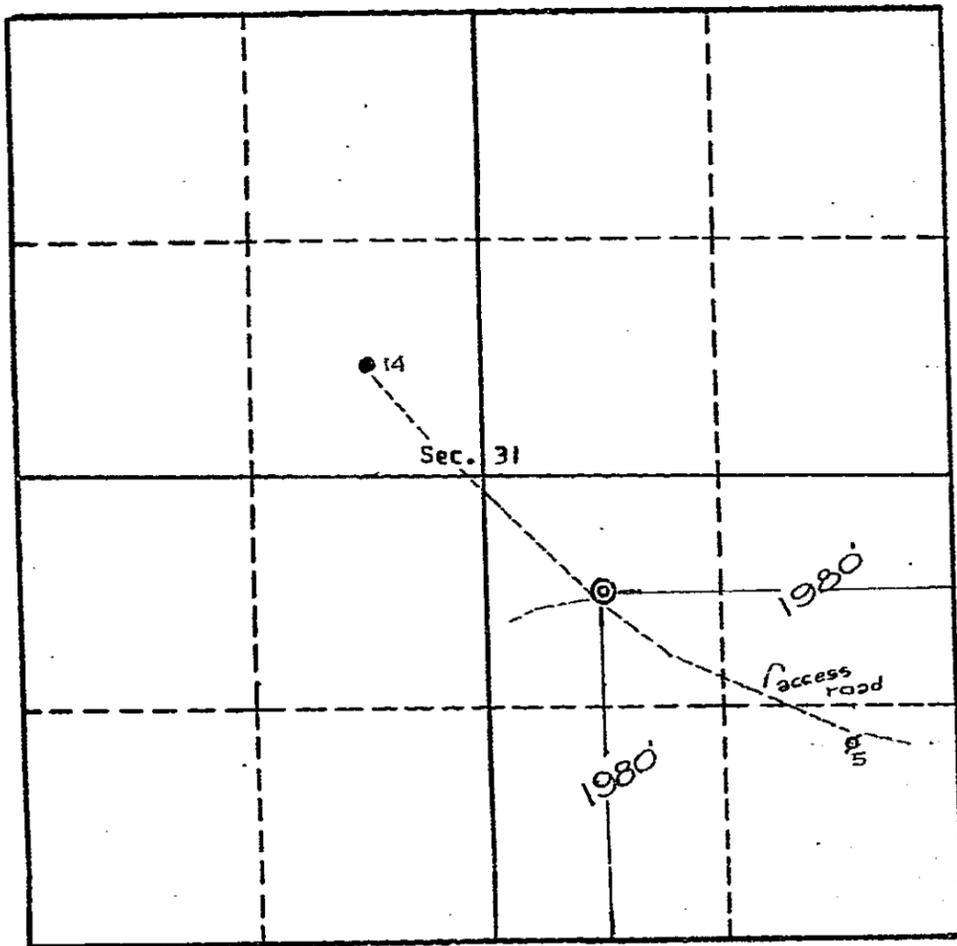


PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9. 5/8"	36	K-55	0	750	0-750	Sufficient to Circulate to cover all prospective zones.
7"	20	K-55	0	4100	Sufficient to cover all prospective zones.	

SEP 4 REC'D

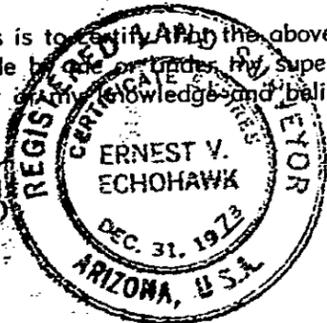
Company Kerr-McGee Corporation
 Well Name & No. Navajo Well #17
 Location 1980 feet from the South line and 1980 feet from the East line.
 Sec. 31, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona
 Ground Elevation 8622



Scale, 1 inch = 1,000 feet

Surveyed August 31, 1973

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

RECEIVED

SEP 10 1973

O & G CONS. COMM.



PERMIT TO DRILL

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

To: KERR-McGEE CORPORATION
(OPERATOR)

to drill a well to be known as

KERR-McGEE CORPORATION NAVAJO NO. 17

(WELL NAME)

located 1980' FSL & 1980' FEL

Section 31 Township 36N Range 30E Apache County, Arizona.

The SE/4 of Section 31 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 10th day of October, 19 73.

OIL AND GAS CONSERVATION COMMISSION

By W. O. Allen
EXECUTIVE SECRETARY

PERMIT N^o 618

RECEIPT NO. 9
API NO. 02-001-20190

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

DINEH-BI-KEYAH FIELD

Operator: Mountain States Petroleum Corporation

Bond Company: Indian lands, evidence of bond posted with BIA

Amount: \$325,000*

Bond No.: Letter of Credit Bond No. 315 **Date approved:** 5/27/94

* Pursuant to commission motion of October 31, 1997, no bond required with State of Arizona upon evidence of bond posted with the BIA.

Permits covered by this bond posted with the BIA:

<u>377</u>	<u>445</u>
<u>384</u>	<u>446</u>
<u>385</u>	<u>484</u>
<u>386</u>	<u>506</u>
<u>388</u>	<u>618</u> ✓
<u>389</u>	<u>691</u>
<u>390</u>	<u>692</u>
<u>396</u>	<u>693</u>
<u>416</u>	<u>695</u>
<u>417</u>	<u>696</u>
<u>419</u>	<u>719</u>
<u>421</u>	<u>720</u>
<u>422</u>	<u>721</u>
<u>431</u>	<u>722</u>
<u>443</u>	<u>723</u>



Jane Dee Hull
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

December 1, 1997

Ms. Stacey Roberts
Kerr-McGee Corporation -
P.O. Box 25861
Oklahoma City, OK 73125

618

Re: Kerr-McGee Corporation
\$25,000 Oil Drilling Blanket Bond #2971100-2620
Safeco Insurance Company of America

Dear Ms. Roberts:

Mountain States Petroleum has provided evidence of its bonding with the BIA for the Dineh-bi-Keyah Field in Arizona, and our records show that Kerr-McGee Corporation has no outstanding drilling or plugging obligations in Arizona.

As a result, this letter constitutes written permission by the Oil and Gas Conservation Commission to terminate liability under the referenced bond. A copy of the bond is enclosed for your information.

Please advise if we may be of further service.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosure

Operator KERR-McGEE CORPORATION

Bond Company SATFECO INSURANCE COMPANY OF AMERICA Amount \$25,000

Bond No. 2971100-2620 Date Approved FEBRUARY 18, 1994

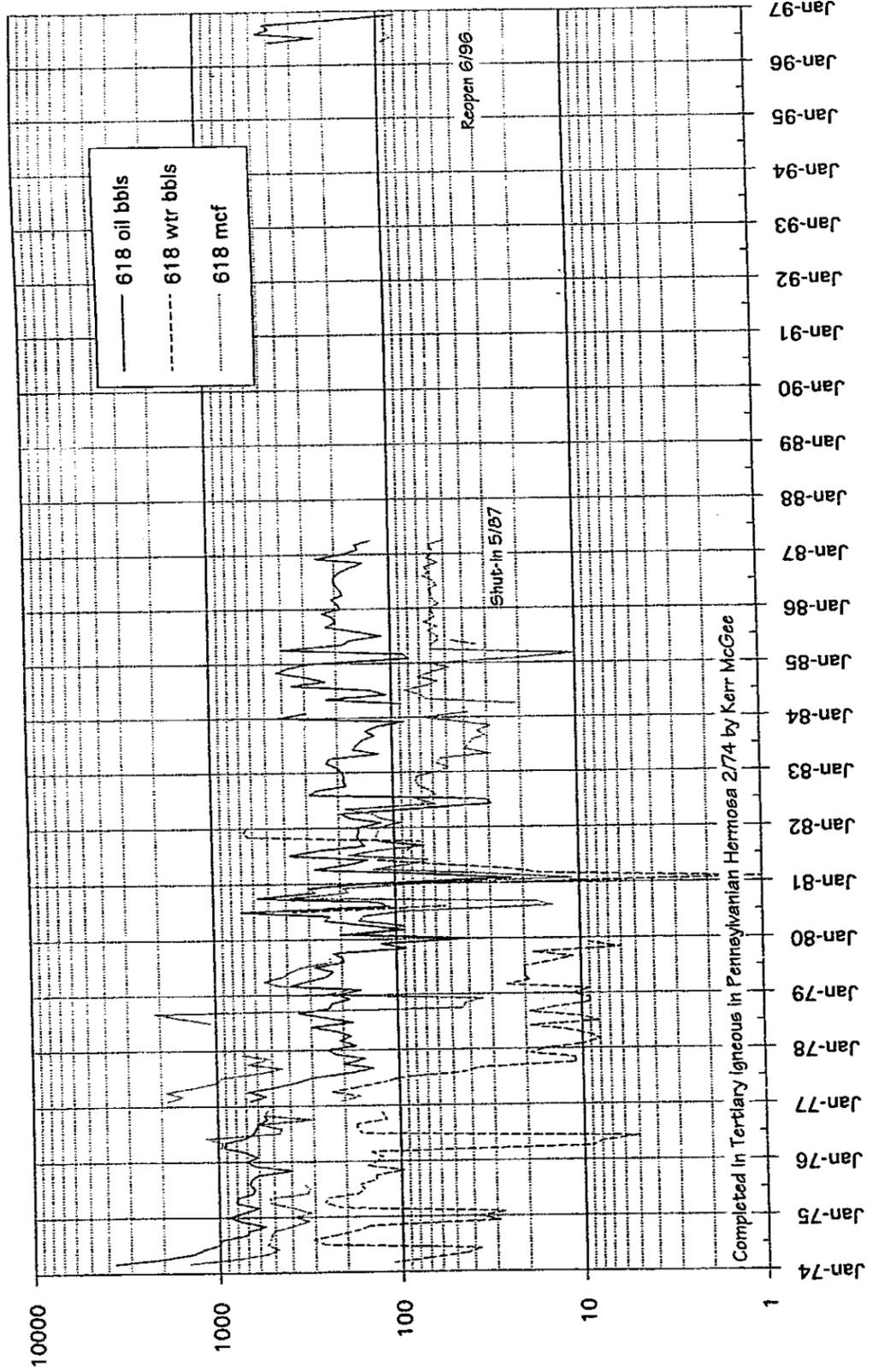
~~DATE~~

ACTIVE

Permits covered by this bond:

377	445
384	446
385	484
386	506
388	618
389	691
390	692
396	693
416	695
417	696
419	719
421	720
422	721
431	722
443	723

MONTHLY PRODUCTION AT 17 NAVAJO (618), ARIZONA: MAR 1974 - DEC 1996
 nw 31-36n-30e, Dineh-bi-Keyah Field, Apache County





Fife Symington
Governor

State of Arizona
Arizona Geological Survey

845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795



Larry D. Fellows
Director and State Geologist

June 8, 1994

Ms. Judy Burkhart
Mountain States Petroleum Corporation
P. O. Box 1936
Roswell, New Mexico 88201

Dear Ms. Burkhart:

This will acknowledge receipt of your letter of June 6, which included a change of operator form for each of the 31 Kerr-McGee Corporation wells at the Dineh-bi-Keyah Field sold to Mountain States Petroleum Corporation. Our records indicate that the Navajo #B-1 was plugged and abandoned by Kerr-McGee Corporation in October 1993.

Please note that our records indicate a different API number than the one you have recorded on your forms for the following wells:

<u>Well</u>	<u>API #</u>
Navajo 01	02-001-20001
Navajo 03X	02-001-20011
Navajo 04	02-001-20009
Navajo 10	02-001-20042
Navajo 14	02-001-20040
Navajo 15	02-001-20041

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
ROYALTY MANAGEMENT PROGRAM

CHANGES TO REPORTER INFORMATION

OLD INFORMATION:

MMS OPERATOR CODE: X0217
COMPANY NAME: KERR MCGEE CORPORATION

NEW INFORMATION:

MMS OPERATOR CODE: X0274
COMPANY NAME: MOUNTAIN STATES PETROLEUM CORP
CONTACT NAME: RUBY WICKERSHAM
STREET ADDRESS: 213 E FOURTH
CITY: ROSWELL
STATE: NM ZIP CODE: 88201
PHONE: 505 623-7184
AREA CODE

COMPLETE IF APPLICABLE:

I AM NO LONGER AN OPERATOR OF INDIAN OR FEDERAL PROPERTIES.
PLEASE REMOVE MY NAME FROM YOUR MAILING LIST.

COMPANY SOLD TO: _____ EFFECTIVE DATE: _____
LEASES / AGREEMENTS AFFECTED: NAVAJO # 17 (618) **AZ OIL & GAS CONSERVATION COMMISSION**

Dineh Bi Keyah Field - Apache County, Arizona JUN 8 1994

Lease #: 14-20-0603-8823 API #: 02001201900051

COMMENTS: This property was sold to Mountain States Petroleum Corp.
and they became operator effective May 1, 1994.

SIGNATURE: Judy Bushhart
DATE: 5/13/94

MAIL TO:
MINERALS MANAGEMENT SERVICE
ROYALTY MANAGEMENT PROGRAM
P.O. BOX 25165 MS 3122
DENVER, CO 80225

P. O. BOX 1936

505 623-7184

MOUNTAIN STATES PETROLEUM CORPORATION

213 EAST FOURTH STREET
ROSWELL, NEW MEXICO
88202

June 6, 1994

Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona, 85719

**AZ OIL & GAS
CONSERVATION COMMISSION**

JUN 8 1994

Attention: Steven L. Rauzi,
Oil & Gas Program Administrator

Re: Dineh-hi-Keyah Field
Apache County, Arizona

Dear Sir;

In followup of our May 24, 1994, letter to you relative to the change of operator from Kerr McGee to Mountain States Petroleum Corporation for the captioned field; please find enclosed a copy of the notices sent to the Minerals Management Service.

We hope this will supply the information you requested and apologize for any inconvenience we may have caused. If you have any questions or are in need of anything further please contact the undersigned. Thank you.

Sincerely,

Judy Burkhart
Judy Burkhart,
Secretary

Enclosures

P. O. BOX 1936

505 623-7184

MOUNTAIN STATES PETROLEUM CORPORATION

213 EAST FOURTH STREET
ROSWELL, NEW MEXICO
88202

May 24, 1994

Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona 85719

Attention: Steven L. Rauzi,
Oil & Gas Program Administrator

Re: Dineh-bi-Keyah Field
Apache County, Arizona

Dear Sir;

Please be advised that effective May 1, 1994, Mountain States Petroleum Corporation replaced Kerr-McGee as Operator of the captioned field and it's respective wells.

Listed on the attached sheet are the well names and API #'s of each well in this field, including shut-in, producing, and abandoned wells.

Please change your records to reflect that Mountain States Petroleum Corporation, Post Office Box 1936, Roswell, New Mexico, 88202-1936, (505) 623-7184, is now the operator of these properties and as such will be filing all required monthly production reports.

If you have any questions or are in need of anything further in this matter please contact the undersigned. Thank you.

Sincerely,

Judy Burkhart

Judy Burkhart,
Secretary

Attachment

RE
CONSERVATION COMMISSION

MAY 31 1994



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795

Larry D. Fellows
Director and State Geologist

March 5, 1992

Mr. G. Bunas, Analyst II
Kerr-McGee Corporation
US Onshore Region
P. O. Box 25861
Oklahoma City, Oklahoma 73125

Re: Mechanical Integrity tests at Dineh-bi-keyah field, Arizona
Navajo 7, 9, 15, 16, 17, 24, 26, "B" 1 & 2, "C" 2, and "88" 1 & 3

Dear Mr. Bunas:

I acknowledge receipt of your sundry notices on the referenced wells. Let me take this opportunity to inform you that the Arizona Oil and Gas Conservation Commission has merged with the Arizona Geological Survey. Please note our new address and phone number in your files for future correspondence.

This office has no problem with your request to defer mechanical integrity testing on the referenced wells until late spring or early summer due to currently adverse weather conditions.

However, when you do schedule the actual dates, I hereby request at least 2 to 3 days advance notice to arrange for a representative from this office to travel to Dineh-bi-keyah to observe these tests.

Sincerely,

A handwritten signature in cursive script that reads "Steven L. Rauzi".

Steven L. Rauzi
Oil and Gas Program Administrator

W A

June 8, 1976

Mr. W. E. Allen
Director Enforcement Section
Oil and Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

Re: Navajo No. 17
NW/SW Section 31, T-36N, R-30E
Apache County, Arizona
Permit No. 618

Dear Mr. Allen:

In response to your letter of May 6, 1976, we have located the well samples and are sacking up two sets which will be shipped tomorrow. One cut will go to you and the other will be sent to Mr. H. W. Pierce in Tucson.

We regret that these samples were not sent to you upon completion of the well; however, we will be glad to furnish you any additional information you might request.

Very truly yours,

KERR-MCGEE CORPORATION

Original Signed by
E. L. COVENTON

E. L. Coventon, P.E.
Production Engineer
Southwest District

ELC:jms

bcc: Mr. Bill P. Stauss ✓
WRF (Thru BC & JB)

cc: Mr. H. W. Pierce
Arizona Bureau of Mines
University of Arizona
Tucson, Arizona 85717

May 6, 1976

Mr. C. J. Braeden
District Production Supervisor
Kerr McGee Corporation
P. O. Box 250
Amarillo, Texas 79105

RE: Kerr McGee Corporation Navajo #17
NW/SW Sec. 31, T36N, R30E
Permit #618

Dear Mr. Braeden:

A check of our records reveal that we have never received the well samples from the above referenced well. Would you please have a set of these samples sent to this Commission and also a set sent to the Bureau of Mines in Tucson. Please refer to Rule #119 of the Rules and Regulations of the Oil and Gas Conservation Commission.

It would be appreciated if you would give this matter your prompt attention.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/sl

WA



KERR-MCGEE CORPORATION

626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

March 25, 1974

PHONE
806 376-7256

State of Arizona
Oil and Gas Conservation Commission
4515 North Seventh Avenue
Phoenix, Arizona 85013

Re: Kerr-McGee Corporation
Navajo Well No. 17
Dineh-bi-Keyah Field
Apache County, Arizona

Gentlemen:

On March 15, 1974, we forwarded to you two (2) completed copies of Form No. 6 on the above well. Please change the well name to read Navajo #17, in place of Navajo #11.

If you have any questions, please advise.

Sincerely,

KERR-MCGEE CORPORATION

C. J. Breeden

C. J. Breeden
District Production
Superintendent
Southwestern District

CJB/mm

b/k

RECEIVED

MAR 27 1974

O & G CON. COMM.



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

March 26, 1974

Ms. Kay Waller
Petro-Well Libraries Inc.
150 Security Life Building
1616 Glenarm Place
Denver, Colorado 80202

Re: March Current File Material

Dear Kay:

Enclosed you will find the following current material for March:

Data - Completion and miscellaneous reports on Eastern Merde
Indian No. 1, Permit #592

Completion and miscellaneous reports on Eastern Beacon
Santa Fe 1, Permit #600

Completion and miscellaneous reports on Humble State (32)
No. 1, Permit #597

Completion and miscellaneous reports on Kerr-McGee Navajo
#17, Permit #618

Drill Stem Test on American Fuels Navajo "M#1", Permit #609

Drill Stem Test on American Fuels Navajo "B#1", Permit #608

Logs - Compensated Formation Density Log and Induction Electrical
Log on Kerr-McGee Navajo #17, Permit #618

Induction-Electrical Log, Borehole Comp. Sonic Log--Gamma Ray
(with caliper), Comp. Neutron-Formation Density Log, Dual
Induction-Laterolog, Borehole Comp. Sonic Log-Gamma Ray,
Comp. Formation Density Log, Comp. Neutron Log, Mud Log
and Sample Log on Humble State (32) no. 1, Permit #597

Very truly yours,

Rhema Brandt

rlb

Encs.

Received
4-8-74

618

WR



KERR-McGEE CORPORATION

626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

March 15, 1974

PHONE
806 376-7256

State of Arizona
Oil and Gas Conservation Commission
4515 North Seventh Avenue
Phoenix, Arizona 85013

Re: Kerr-McGee Corporation
Navajo Well No. 17
Dineh-bi-Keyah Field
Apache County, Arizona

Gentlemen:

Enclosed are two (2) completed copies each of Form No. 4 and No. 6 for the above well. Also enclosed are a copy of the Induction-Electric Log and Formation Density Log for this well.

Please advise if other information is needed.

Sincerely,

KERR-McGEE CORPORATION

C. J. Breeden
District Production Superintendent
Southwestern District

CJB/mm

Enclosures

618

RECEIVED

MAR 15 1974

O & G CONS. COMM.

December 20, 1973

Mr. Warren E. Richardson
Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79105

Re: Navajo No. 17
Sec 31-T36N-R30E
Apache County
Permit No. 618

Dear Mr. Richardson:

This letter is to remind you that your Permit No. 618, covering the above referenced well will expire January 10, 1974. Should you wish to extend this permit, please advise this office prior to the expiration date.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/r1b

October 10, 1973

Mr. Frank Getscher
P. O. Box 98
Scottsdale, Arizona 85252

Dear Mr. Getscher:

The following permit was issued October 10, 1973.

Kerr-McGee Corp. Navajo #17
NW/SE Sec 31-T36N-R30E
Apache County
Permit No. 618

The proposed total depth is 4100' and the elevation is 8622'.

Very truly yours,

W. E. Allen, Director
Enforcement Section

/rlb

October 10, 1973

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The following permit was issued October 10, 1973:

Kerr-McGee Navajo #17
NW/SE Sec 31-T36N-R30E
Apache County
Permit No. 618

Very truly yours,

W. E. Allen, Director
Enforcement Section

/rlb

October 10, 1973

Mr. Warren E. Richardson
Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79105

Re: Navajo No. 17
Sec 31-T36N-R30E
Apache County
Permit No. 618

Dear Mr. Richardson:

Enclosed please find Receipt No. 9 covering the \$25.00 filing fee, a copy of your approved Application to Drill and Permit to Drill No. 618.

Also enclosed are miscellaneous instruction sheets concerning samples and other Commission requirements.

Very truly yours,

W. E. Allen, Director
Enforcement Section

/rlb

Enca.



KERR-MCGEE CORPORATION

626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

September 6, 1973

PHONE
806 376-7256

State of Arizona
Oil and Gas Conservation Commission
4515 North Seventh Avenue
Phoenix, Arizona 85013

Re: Application for Permit
to Drill
Navajo Number 17
C NW SE/4
Section 31, T36N, R30E
Apache County, Arizona

Attention: Mr. John Bannister

Dear Mr. Bannister:

Enclosed are two (2) copies of Arizona Oil and Gas Conservation Commission Form Number 3, Application for Permit to Drill, One (1) copy of USGS Form Number 9-331C, Application for Permit to Drill and two (2) copies of Registered Surveyors Plat for the Kerr-McGee Corporation proposed Navajo Number 17 well located in the C NW SE of Section 31, T36N, R30E, Apache County, Arizona. Also enclosed is a draft of \$25.00 for the filing fee.

An application for the plugging and abandonment of Kerr-McGee's Navajo Number 5, which is located within the same quarter section, has been submitted and the work will be performed as soon as approved and the necessary equipment can be obtained.

We would appreciate your early approval of this drilling permit so that we might proceed with cleaning the location and obtaining the services of a drilling rig.

RECEIVED

SEP 10 1973

O & G CONS. COMM.

618

State of Arizona
Phoenix, Arizona
Page -2-

If additional information is needed, please advise.

Yours truly,

KERR-McGEE CORPORATION



Warren E. Richardson
District Manager
Southwestern District

WER/mm

Enclosures

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SEP 10 1973

O & G CONS. COMM.

618



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

September 10, 1973

Mr. Warren E. Richardson
Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79105

Re: Navajo No. 5 Navajo No. 17
 Sec 31-T36N-R30E Sec 31-T36N-R30E
 Apache County Apache County
 Permit No. 392 Permit No. not yet assigned

Dear Mr. Richardson:

We are returning an approved copy of your Application to Plug the above referenced well. As quickly as this office is notified that your No. 5 well has been plugged, we will issue the Permit to Drill your Navajo No. 17. The drilling location for this well may be made any time you wish. After plugging your No. 5, this office will give you verbal permission to start the drilling of your No. 17.

If we can be of further assistance, please advise.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Enc.

618

KM - 1473 - D

DETACH BEFORE DEPOSITING

KERR - MCGEE CORPORATION
OIL AND GAS DIVISION

REMITTANCE ADVICE

THE ENDORSEMENT BY PAYEE OF THE DETACHED CHECK CONSTITUTE RECEIPT IN FULL
FOR THE ITEMS LISTED BELOW

G.C. SHELTON

RUSH THIS A.M. 9/5/73 T-2906

57903

DATE		INVOICE NUMBER OR DESCRIPTION	GROSS AMOUNT		DISCOUNT		NET AMOUNT	
Mo.	DAY			CR.		CR.		
		APPLICATION FOR PERMIT TO DRILL KERR-MCGEE NAVAJO #17, LOCATED 1980'FSL & 1980'FEL, SEC. 31, 536N-430E, APACHE COUNTY, ARIZONA					25	00

RECEIVED

SEP 10 1973

O & G CONS. COMM.

618

Receipt No. 9