

Kerr-McGee No. 21 *Nov*
NW/SE Sec. 30, T36N, R30E



693

COUNTY Apache AREA Redrock, AZ LEASE NO. 14-20-0603-8823

(5-1-94) Attn. States Petroleum 2/
 WELL NAME Kerr McGee, Navajo

LOCATION NW/SE/4 SEC 30 TWP 36N RANGE 30E FOOTAGE 1930' FSL & 1930' FEL
 ELEV 7504' GR _____ KB SPUD DATE 8-4-78 STATUS Oil TOTAL DEPTH 3260
 COMP. DATE 10-17-78 9-7-78 OBTD 3208
 CONTRACTOR Cactus Drilling Corporation

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>9 5/8"</u>	<u>320'</u>	<u>250555</u>		<input checked="" type="checkbox"/>
<u>7"</u>	<u>3255'</u>	<u>300555</u>		<input type="checkbox"/>

DRILLED BY CABLE TOOL _____
 PRODUCTIVE RESERVOIR _____
 INITIAL PRODUCTION 85 BOPD
24 BWPD
33.5 MCF

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Formation	Top	Bottom		Description*
CHINLE	0	708		RED SHALE W/THIN STRINGERS OF SAND
COCONINO SAND	708	1438		MASSIVE SANDSTONE W/SHALEY STRINGERS
HERMOSA	1438	2500		GRAY, DENSE LIMESTONE W/SOME GRAY SHALE & LIMESTONE STRINGERS
BLACK SHALE	3050	3088		BLACK SHALE
SHIST INTRUSIVE	3088	3168		SEYENITE

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Comp Form.</u>	<u>3090 to 3167</u>	<u>390-3167</u>	SAMPLE DESCRP. _____
<u>Density GR</u>			SAMPLE NO. <u>1800</u>
<u>Cement Bond</u>			CORE ANALYSIS <u>No Core</u>
			DSTs <u>NONE</u>

REMARKS Well Acidized & Fraced APP. TO PLUG _____
 PLUGGING REP. _____
 COMP. REPORT 10-19-78

WATER WELL ACCEPTED BY _____
 BOND CO. Firemen's Insurance Company filed in _____ BOND NO. 188-98-10-528
BIA CANCELLED 12/1/97 DATE _____
 BOND AMT. \$ 25000 ORGANIZATION REPORT 6-29-69
 FILING RECEIPT 1242 LOC. PLAT X WELL BOOK X PLAT BOOK X
 API NO. 02-001-20242 DATE ISSUED 6-5-78 DEDICATION NA

PERMIT NUMBER 693

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 79189**

Federal, State or Indian Lease Number or name of lessor if fee lease: **14-20-0603-8823** Well Number: **21** Field & Reservoir: **DINEH-BL-KEYAH**

Location: **1930' FSL, 1930' FEL** County: **APACHE**

Sec. TWP-Range or Block & Survey: **SEC. 30 - T36N - R30E - G & SRM SURVEY**

Date spudded: **8-4-78** Date total depth reached: **8-28-78** Date completed, ready to produce: **9-7-78** Elevation (DF, RKB, RT or Gr.) feet: **7504 GR** Elevation of casing hd. gauge feet: **7504 GR**

Total depth: **3260 RKB** P.B.T.D.: **3208'** 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: **INTRUSIVE** Rotary tools used (interval): **0-3260** Cable tools used (interval): **---**

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): **CFDL - CBL - BOTH FILED W/THIS REPORT** Date filed: **10-19-78**

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
CONDUCTOR	---	15"	---	39'	3 yds	---
SURFACE	12 1/2"	9 5/8"	32.3	316 RKB	250 CIRC OUT	50/---
PRODUCTION	8 3/4"	7"	20.0	3255 RKB	300	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 1/8 in.	3136 ft.	N/A ft.	---	---	---	---	---

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1/2 FT	.38	3090 - 3167'	1832 GAL 3%HF-7 & 7% HCl	ALL
			65,000 GAL CRUDE, 107,000# SD	"

INITIAL PRODUCTION

Date of first production: **9-14-78** Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): **PUMPING 2 1/2" x 2" x 20' BHP**

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
	24		85 bbls.	33.5 MCF	24 bbls.	° API (Corr)

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

Disposition of gas (state whether vented, used for fuel or sold): **VENTED**

DISTRICT PRODUCTION SUPERINTENDENT

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

Date: **10-19-78** RECEIVED *Hugh H. Rice* H.H. RICE
Signature

NOV 22 1978

O & G CONS. COMM.

Permit No. 693	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File Copy
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DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
CHINLE	0	708	RED SHALE W/THIN STRINGERS OF SAND
COCONINO SAND	708	1438	MASSIVE SANDSTONE W/SHALEY STRINGERS
HERMOSA	1438	2500	GRAY, DENSE LIMESTONE W/SOME GRAY SHALE & LIMESTONE STRINGERS
BLACK SHALE	3050	3088	BLACK SHALE
SHIST INTRUSIVE	3088	3168	SEYENITE

* 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 14-20-0603-8823	Field Dineh-BI-Keyah	Reservoir Hermosa
Survey or Sec-Twp-Rge Sec 29, 30, 31, 32 T-36N-R30E	County Apache	State AZ
Operator Mountain States Petroleum Corp.		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street P O Bx 1936	City Roswell,	State New Mexico 88202
Above named operator authorizes (name of transporter) Giant Industries		
Transporter's street address P O Bx 12999	City Scottsdale,	State AZ
Field address P O Bx 256 (Bloomfield Hwy) Farmington, N M 87499		
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. Change of Oper.		

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. Rainy

Permit No. 693

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

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.

Date 8/18/92

Signature H.H. Rice H.H. Rice

Date approved: 8-21-92

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Raif

Permit No. _____

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

GAS-OIL RATIO TEST REPORTS

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

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator KERR-McGEE CORPORATION
 2. Oil Well GAS Well OTHER (Specify) _____
 3. Well Name NAVAJO # 21
 Location 1930' FSL & 1930' FEL
 Sec. 30 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 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.)

Pumping well and waiting to test (as of October 16, 1978)

RECEIVED

OCT 19 1978

O & G CONS. COMM.

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

Signed Larry R. Bell Larry R. Bell Title Engineering Asst. Date October 13, 1978

Permit No. 693

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

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator KERR-McGEE CORPORATION

2. Oil Well GAS WELL OTHER (Specify) _____

3. Well Name NAVAJO # 21

Location 1930' FSL & 1930' FEL

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

4. Federal, State or Indian Lease Number, or lessor's name if fee lease 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"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) _____		(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.)

Pumping well and waiting to test.
(As of October 5, 1978)

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

Signed Larry R. Bell Larry R. Bell Title Engineering Asst. Date 10-6-78

Permit No. 693

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

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator KERR-McGEE CORPORATION
 2. Oil WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo # 21
 Location 1930' FSL & 1930' FEL
 Sec. 30 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14 - 20 - 0603 - 8823

5. Field or Pool Name Dineh-Bi-Keyah

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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 Report</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.)

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Pumping well and preparing to test, as of September 29, 1978.

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

Signed Carl Sweatfield Carl Sweatfield, Title Dist. Drilling Supt. Date 10-2-78

Permit No. 693

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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 # 21

Location 1930' FSL & 1930' FEL

Sec. 30 Twp. 36N Rgn. 30E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: 14-20-0603-8873

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 Report</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.)

Pumping well. Waiting on production to level off. All of frac load recovered.

Shot fluid level - 2160' to fluid

Averaging 200 BOPD & 55 BWPD as of 9-18-78.

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

Signed Larry R. Bell Larry R. Bell Title Engineering Asst. Date 9-21-78

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SEP 25 1978

O & G CONS. COMM.

Permit No. 693

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 # 21

Location 1930' FSL and 1930' FEL

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

4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0603-8873

5. Field or Pool Name Dineh - Bi - Keyah

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
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Pulled BHP bombs
 Fraced well w/65,000 gals. gelled lease crude & 107,000# of sand.
 I.S.I.P.: 1000 PSI; 1 Hr SIP. 220 PSI
 9' of sand fill. Cleaned out to T. D.: 3207
 T.I.H.W. Packer & tbg. Set packer at 3000'.
 Swabbed well 2 Hrs. Recovered 56.78 Bbls. of foamy oil.
 T.O.O.H. with packer & tbg.
 Ran 2 7/8" tbg (110 jts) and set at 3114' RKB.
 Ran 123 - 3/4" rods, 2 1/2" x 2" x 20' BMW Double valve pump.
 Put well on pump'.
 9-14-78: 210 Bbls. left to recover.

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

Signed Larry R. Bell Title Engineering Asst. Date 9-14-78

Permit No. 693

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STATE OF ARIZONA
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SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation
 2. OIL WELL GAS WELL OTHER (Specify) _____
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly report</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

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Ran GR Density Log
 Ran 80 jts of 7" 20# K-55 casing, set at 3255'. Cemented with 300 sacks class "B" cement.
 Took in hole with bit and scraper-tagged cement at 3218' RKB.
 Ran GBL-EGL with GR Log. Top of cement at 2020' RKB.
 Perforated from 3090' to 3167' (39 holes).
 Acidized with 163 gals 3% HF-7 and 7 1/2% HCL acid and 78 ball sealers
 A.I.P.: 700 PSI. A.I.R.: 6.5 BPM. Swabbed well
 R.U. Wireline and ran 72 HR BHP bomb.
 S.D. for holiday.

RECEIVED
 SEP 11 1978
 O & G CONS. COMM.

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

Signed Larry R. Bell *Larry R Bell* Title Engineering Asst. Date 9-7-78

Permit No. 693

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 #21
 Location 1930' FSL and 1930' FEL
 Sec. 30 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0603-8823

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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 Report</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.)

Drilling: 2045'
 T. D. as of 8-28-78: 3258'

8. I hereby certify that the foregoing is true and correct.
 Signed Larry R. Bell Larry R. Bell Title Engineering Asst. Date August 30, 1978

RECEIVED
 SEP 4 1978
 O & G CONS. COMM.

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

Permit No. 693

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation
 2. Oil WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navajo #21
 Location 1930' FSL & 1930' FEL
 Sec. 30 Twp. 36N Rge. 30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 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 Report</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.)

Last Report 8-11-78
 Finished washing over fish - screwed into fish & retrieved.
 Began drilling at 971'.
 Swivel bale unlatched & dropped pipe & kelly.
 Began fishing - difficulty in getting over fish
 Washed over fish - run overshot.
 Ran string shots and backed off at 277' & 921'.
 Retrieved all of fish - TIH w/bit & DC's.
 Began drilling at 1236'.

TD as of 8-21-78: 2045'

I hereby certify that the foregoing is true and correct.

Signed Larry R. Bell Title Engineering Asst. Date August 22, 1978

RECEIVED

AUG 24 1978

D & G CONS. COMM.

Permit No. 693

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

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation
 2. Oil WELL GAS WELL OTHER (Specify) _____
 3. Well Name Navago #21
 Location 1930' FSL and 1930' FEL
 Sec. 30 Twp. T36N Rge. R30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 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 report</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.)

Previous T.D.: 320'
 Began drilling with air (60 psi)
 Hole fell in and drill pipe stuck - filled hole with mud
 Ran freepoint - bottom 2 drill collars stuck
 Ran shot and backed off @ 862'
 (Fish in hole: Bit, 3-6 1/4" Drill collars)
 Screwed into fish - began circulating - bit plugged - ran sinker bar-
 line pulled out of socket - began washing over fish.
 Present T.D.: 971'

RECEIVED

AUG 14 1978

O & G CONS. COMM.

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

Signed Larry R. Bell Larry R. Bell Title Engineering Asst. Date August 11, 1978

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

Permit No. 693

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr McGee Corporation
 2. Oil Well GAS WELL OTHER (Specify) _____
 3. Well Name Navajo #21
 Location 1930' FSL and 1930' FEL, G&SRM
 Sec. 30 Twp. T36N Rgn. R30E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 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>Spud date</u>	ABANDONMENT <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.)

Rigged up rotary drilling rig (Cactus Drilling, Rig #20)
 Set 39' of 15" conductor pipe and cemented w/ 3 yds. Redi-mix
 Spudded at 1:00 A.M. 8-4-78
 Began drilling 12 1/4" hole
 Drilled to a depth of 320'
 Ran 7 jts. 32.3# H-40-ST&C set at 316' RKB
 Cemented w/ 250 sks Class B cement w/ 2% CaCl and 1/4# Flocele/sk - circulated out 50 sks-bumped plug w/ 1000 psi released pressure - float held OK.
 Nippled up BOP's and tested blind rams to 1500 psi - OK
 TIH w/ 8 3/4" bit
 OART: TAKING IN HOLE

RECEIVED

AUG 10 1978

D & G CONS. COMM.

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

Signed Larry Bell Title Engineering Asst. Date Aug. 7, 1978

Permit No. 693

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

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 79189
Address City State

Cactus Drilling Corporation
Drilling Contractor

Box 2146, Farmington, NM 87401
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		21	7,504'
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:	
3,350'	feet	1,738'	feet
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2,533		13	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
Well location (give footage from section lines)		Section—township—range or block and survey	Dedication (Comply with Rule 105)
1,930' FSL & 1,930' FEL		Sec 30, T36N, R30E, G&SRM	N 1/2 of SE 1/4
Field and reservoir (if wildcat, so state)		County	
Dineh-Bi-Keyah (Hermosa)		Apache	
Distance, in miles, and direction from nearest town or post office			
9 miles Southwest of Redrock, Arizona			
Proposed depth:	Rotary or cable tools	Approx. date work will start	
3,250'	Rotary	July 29, 1978	
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"/>	

Remarks:

Development Well

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

JUL 3 1978

D & G CONS. COMM.

C. J. Breeden
Signature C. J. Breeden

June 30, 1978
Date

Permit Number: 693
Approval Date: 7-5-78
Approved By: W. B. [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

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat. Outlined in red
- 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.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- 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 _____
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
<p>CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p><i>C. J. Breeden</i> Name C. J. Breeden Position District Manager-Drilling Company Kerr-McGee Corporation Date June 30, 1978</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 _____ Registered Professional Engineer and/or Land Surveyor _____ Certificate No. _____</p>	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32.3#	H-40 ST&C	0	300	300	300 sks
7"	20#	K-55 ST&C	0	3,250	3,250	250 sks



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

Navajo No. 21
(WELL NAME)

located 1930' PSL & 1930' PBL (NW/SE/4)

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

The N.A. 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 5th day of July, 19 78.

OIL AND GAS CONSERVATION COMMISSION

By W.E. Allen
EXECUTIVE SECRETARY

PERMIT N^o 693

RECEIPT NO. 1242
API No. 02-001-20242

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

RECEIVED

APR 21 1978

JUL 3 1978

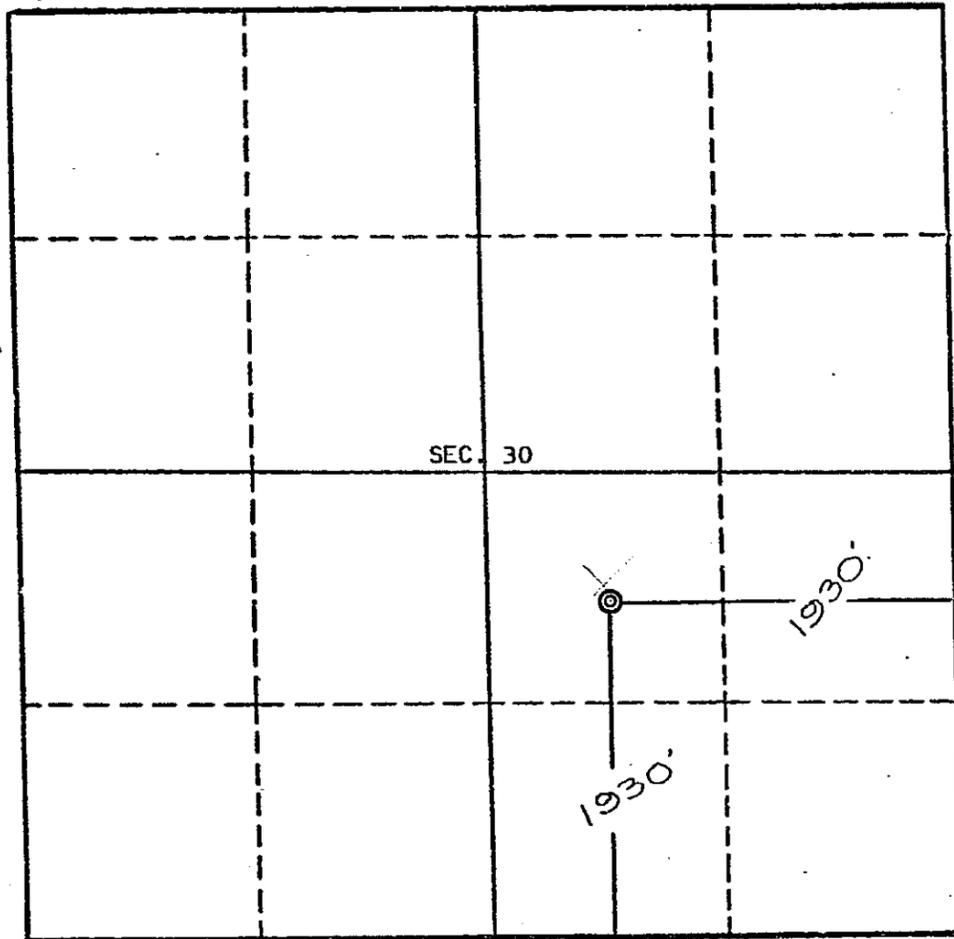
Company Kerr-McGee Corporation D & G CONS. COMM.

Well Name & No. 21 Navajo

Location 1930 feet from the South line and 1930 feet from the East line.

Sec. 30, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona

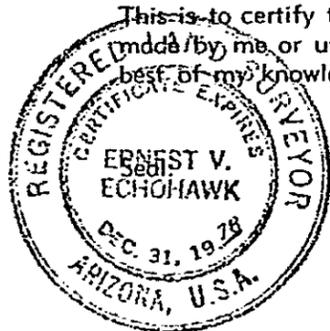
Ground Elevation 7504



Scale, 1 inch = 1,000 feet

Surveyed April 6, 19 78

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

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

693

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 SANECO INSURANCE COMPANY OF AMERICA Amount \$25,000
Bond No. 2971100-3620 Date Approved FEBRUARY 18, 1994

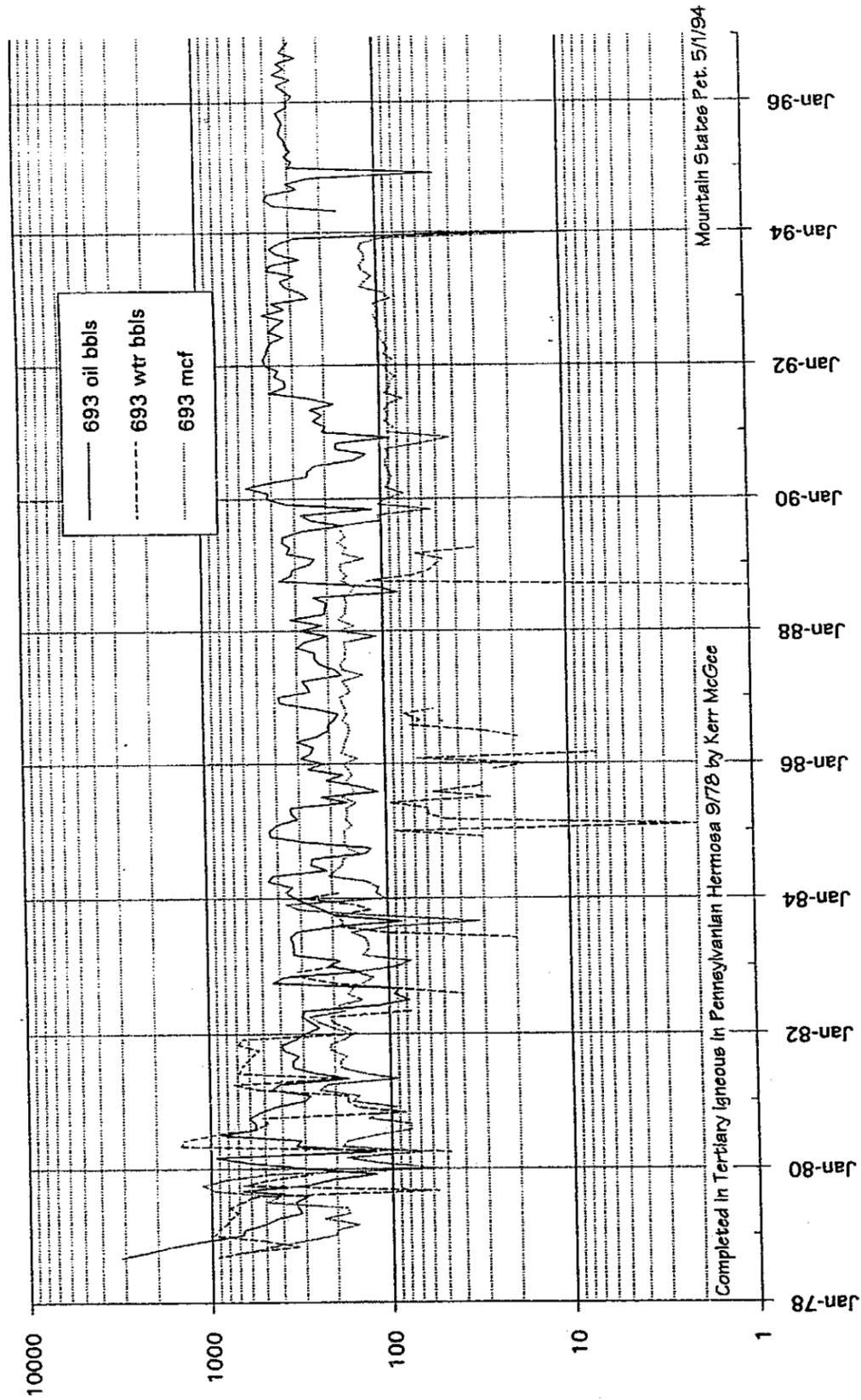
CANCELLED

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 21 NAVAJO (693), ARIZONA: SEP 1978 - DEC 1996
nw se 30-36n-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: _____
AZ OIL & GAS
CONSERVATION COMMISSION

LEASES / AGREEMENTS AFFECTED: NAVAJO # 21 (693)
Dineh Bi Keyah Field - Apache County, Arizona JUN 8 1994
Lease #: 14-20-0603-8823 API #: 02001202420051

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

SIGNATURE: Judy Burkhardt
DATE: 2/13/94

MAIL TO:
MINERALS MANAGEMENT SERVICE
ROYALTY MANAGEMENT PROGRAM
P.O. BOX 25165 M93122
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-bi-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

CONSERVATION COMMISSION

MAY 31 1994



KERR-MCGEE CORPORATION

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

RECEIVED

NOV 22 1978

O & G CONS. COMM.

October 18, 1978

PHONE
806 376-7256

State of Arizona
Oil & Gas Conservation Commission
1645 W. Jefferson
Suite 420
Phoenix, Arizona 85007

RE: Kerr-McGee Corporation's Navajo
Well Nos. 19 & 21, Dineh-Bi-Keyah
Field, Apache County, Arizona

Gentlemen:

Enclosed are two (2) copies of Form #4, "Well Completion...and Well Log," for the above referenced wells. Copies of a Compensated Formation Density Log and a Cement Bond Log are included.

Should you require further information concerning these wells, please call the undersigned collect at 806/359-0351.

Sincerely,

KERR-MCGEE CORPORATION

Hugh H. Rice
District Production Superintendent
Southwest District - North America

LRB/bkl

Enclosure

693



KERR-McGEE CORPORATION

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

RECEIVED

AUG 10 1978

O & G CONS. COMM.

OIL AND GAS DIVISION

PHONE

806 376-7256

August 8, 1978

State of Arizona
Arizona Oil & Gas Conservation Commission
1645 W. Jefferson
Suite 420
Phoenix, Arizona 85007

Attention: W. E. Allen

Dear Mr. Allen:

Enclosed please find two (2) copies of Form No. 25, "Sundry Notices and Reports on Wells," for Kerr McGee Corporation's Navajo No. 21, located in Apache County, Arizona, Dineh-Bi-Keyah Field.

Should you need further information concerning operations to date, please call me collect at 806/376-7256.

Sincerely,

KERR McGEE CORPORATION

Larry K. Bell

Larry K. Bell
Engineering Assistant

LRB/jkb



KERR-McGEE CORPORATION

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

RECEIVED

JUL 3 1978

O & G CONS. COMM.

June 30, 1978

PHONE

806 376-7256

State of Arizona
Oil and Gas Conservation Commission
1645 W. Jefferson, Suite 420
Phoenix, Arizona 85007

RE: Application for Permit to Drill
Kerr-McGee Corporation's Navajo
Wells #21, #23, & #24, Dineh-Bi-
Keyah Field.

Gentlemen:

Kerr-McGee Corporation proposes to drill the above referenced wells. The proposed wells will be located in Sections 29, 30, and 32, T36N, R30E, G&SRM Survey, Apache County, Arizona.

Two copies of Form No. 3, "Application for Permit to Drill or Re-enter", two copies of a "Registered Surveyor's Plat", and a check in the amount of \$25.00 for the filing fee are enclosed for each well.

These wells are part of an in-fill development program designed to optimize the recovery of hydrocarbons from the Lower Hermosa formation in the Dineh-Bi-Keyah Field. By amendment to the Commission Order No. 24 dated April 21, 1978, Kerr-McGee Corporation respectfully requests the administrative approval of the enclosed applications for permission to drill the subject wells.

Should you require further information concerning the proposed wells, please call me collect at 806/376-7256.

Sincerely,

KERR-McGEE CORPORATION

C. J. Breeden
District Manager-Drilling
Southwest District - N. A.

LRB/ra

cc: Navajo Tribe

KM-1473-P

DETACH BEFORE DEPOSITING

RUSH

L. LONG T2506

REMITTANCE ADVICE

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

KERR - MCGEE CORPORATION
OIL AND GAS DIVISION

85400

MAY 5 1978

DATE		INVOICE NUMBER OR DESCRIPTION	GROSS AMOUNT		DISCOUNT		NET AMOUNT
MO.	DAY			CR.		CR.	
							25 00
		FILING FEE FOR APPLICATION FOR PERMIT TO DRILL KERR-MCGEE NAVAJO WELL NO. 21, LOCATED 1,930' FSL AND 1,930' FEL OF SECTION 30, T36N, R30E, G&SRM, APACHE COUNTY, AZ					
		693					

RECEIVED

JUL 3 1978

D & G CONS. COMM.