KERR-MC GEE #6 Navajo
SE NE 31-36N-30E Apache Co 390

P-W

[redacted]

CONFIDENTIAL
Release Date 7-19-67 ltr

COUNTY Apache AREA 15 mi. SW Red Rock LEASE NO. Navajo 14-20-0603-8823

Mtn. States Petroleum (5-1-94)

WELL NAME ~~KERR-MG GEE #6~~ NAVAJO

LOCATION SE NE SEC 31 TWP 36N RANGE 30E FOOTAGE 990 FEL - 1950 FNL

STATUS oil

ELEV 8317 GR _____ KB SPUD DATE 5-27-67 COMP. DATE 7-8-67 TOTAL DEPTH 3835 PBTD 3794

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH
9 5/8"	567	525 sx	
7"	3657	150 sx	

DRILLED BY ROTARY X

DRILLED BY CABLE TOOL _____

PRODUCTIVE RESERVOIR _____

INITIAL PRODUCTION 3672 - 3726
IP 163 BOPD + 4 bbls water

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS
Chuska	surface			
Chinle	500			
Coconino	1360			
Cutler	2090			
Hermosa	3183			Igneous Rock 3657 - 3779

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS
Borehole Comp. Sonic,	3672 - 3726	3672-3726
IES, Gamma Ray-Neutron		

SAMPLE LOG Am Strat
SAMPLE DESCRP. _____
SAMPLE NO. #1432
CORE ANALYSIS X
DSTs _____

REMARKS See work over report on reverse side

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

WATER WELL ACCEPTED BY _____

BOND CO. ~~Firemen's Ins. Co.~~ BIA BOND BOND NO. ~~188-98-10-528~~

BOND AMT. $ ~~25,000~~ CANCELLED 12/1/57 DATE ORGANIZATION REPORT 7-14-60

FILING RECEIPT 9484 LOC. PLAT X WELL BOOK X PLAT BOOK X

API NO. 02-001-20014 DATE ISSUED ~~3-29-67~~ DEDICATION NE/4 (order 21)

CONFIDENTIAL

PERMIT NUMBER 390

Release Date 7-19-67

(over)

DRILL STEM TEST

NO.	FROM	TO	RESULTS
			None reported

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS
				Well cored from 3658-3740
				See core analysis in file

REMEDIAL HISTORY

DATE STARTED	COMPLETED	WORK PERFORMED	NEW PERFORATIONS
6-5-74	6-26-74	Acidized perf. fl 3672-3726 w/ 5000 gals 7 1/2% HCL. Perf. 3726-78 fraced w/80,000 gals. crude & 80,000 # sand.	3726-78 2 HPF

ADDITIONAL INFORMATION

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	Address
Kerr-McGee Corporation	Box 250, Amarillo, Texas 79106

Federal, State or Indian Lease Number or name of lessor if fee lease	Well Number	Field & Reservoir
14-20-0603-8823 Navajo	6	Dineh-Bi-Keyah

Location	County
1950' FNL and 990' FEL (SE NE)	Apache

Sec. TWP-Range or Block & Survey: Sec. 31, T36N, R30E, G & SRM Survey

Date spudded	Date total depth reached	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.) feet	Elevation of casing hd. flange feet
5-27-67	6-13-67	7-8-67	8,317 GR	

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
3835	3,794'	Single	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
3,672' - 3,778'	0 - 3,835'	None

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

Type of electrical or other logs run (check logs filed with the commission)	Date filed
Induction, Gamma-Ray Neutron, Sonic Gamma-Ray	7-18-67

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	13 3/8"	9 5/8"	32.3	567	525	None
Production	8 3/4"	7"	20	3,657	150	None
Liner	6 1/4"	5 1/2"	17	3,530'-3,835'	125	None

TUBING RECORD

Size	Depth set	Packer set at
2 7/8" in.	3741 ft.	None ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
5 1/2 in.	3,530 ft.	3,835 ft.	125	None

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval
5	0.55" Jet	3,672 - 3,726'
2	0.55" Jet	3,726 - 3,778' (new)

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval
5000 gals HCL Acid	3,672'-3,726'
80,000 gals oil & 80,000# sand	3,672'-3,778'

INITIAL PRODUCTION

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

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
6-26-74	24	None	150 bbls.	30.3 MCF	2 bbls.	42.3° API (Corr)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hrs.	Oil	Gas	Water	Gas—oil ratio
---	0		150 bbls.	30.3 MCF	2 bbls.	198

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 Superintendent 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.

June 27, 1974
Date

C. J. Breeden
Signature

C.J. Breeden

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JUL 01 1974
O & G CONS. COMM.

Permit No. 390

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy
Form No. 4

(Complete 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	Field	Reservoir
14-20-0603-8823	Dineh-Bi-Keyah	Hermosa
Survey or Sec-Twp-Rge	**County**	**State**
Sec29,30,31,32 T-36N-R30E	Apache	AZ

Operator
Mountain States Petroleum Corp.

ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:

Street	City	State
P O Bx 1936	Roswell,	New Mexico 88202

Above named operator authorizes (name of transporter)
~~Giant Industries~~

Transporter's street address	City	State
P O Bx 12999	Scottsdale,	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~~

Signature Ruby Wickersham

Date approved: AUG 16 1995

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Rains

Permit No. 390

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 TRANSPORT OIL OR GAS FROM LEASE

Federal, State or Indian Lease Number, or lessor's name if fee lease	Field	Reservoir
14-20-0603-8823 Navajo	Dineh-Bi-Keyah	Hermosa
Survey or Sec-Twp-Rge	**County**	**State**
Several - T 36 N, R 30 E	Apache	Arizona

Operator
Kerr-McGee Corporation

ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:

Street	City	State
P. O. Box 250	Amarillo	Texas, 79189

Above named operator authorizes (name of transporter)
Gary-Williams Energy

Transporter's street address	City	State
370 17th St., Suite 5300	Denver	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 H.H. Rice
Signature

Date approved: 8-21-92

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Ratz

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

ARIZONA SECONDARY RECOVERY PROGRAM PROPOSED

The Arizona Oil and Gas Conservation Commission will hold a hearing September 19 to consider an application by Kerr-McGee Corp for a secondary recovery program using injection of salt water into the Hermosa formation in Dineh Bi Keyah field, Apache County. The location for the project is in 29 through 33-36n-30e, 5 and 6-35n-30e, and 25 and 36-36n-29e. The field has produced more than 13.7 million bbls of oil, 1.8 billion cu ft of gas and 2.4 million bbls of water. The hearing begins at 10:00 am at the Oil and Gas Conservation Commission office, 8686 North Central Avenue, Suite 106, Phoenix.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: Kerr-McGee Corporation

2. Oil WELL [X] GAS WELL [ ] OTHER [ ] (Specify)

3. Well Name: Navajo Well No. 6

Location: 1950' FNL and 990' FEL (SE NE)

Sec. 31 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 Navajo

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	MONTHLY PROGRESS	[ ]
FRACTURE TREAT	[ ]	DIRECTIONAL DRILL	[ ]	FRACTURE TREATMENT	[X]	REPAIRING WELL	[ ]
SHOOT OR ACIDIZE	[ ]	PERFORATE CASING	[ ]	SHOOTING OR ACIDIZING	[ ]	ALTERING CASING	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]			ABANDONMENT	[ ]
(OTHER)			[ ]	(OTHER) Perforating			[X]

(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.)

6-5-74 - Pulled rods, pumps and tubing. Cleaned out with sand pump to 3794'.
6-6-74 - Ran Baker Retrievamatic Packer on Tubing and set @ 3477'. Acidized Perforations from 3672' - 3726' with 5000 gals of 7½% HCL Acid. Treating Pressure 100-400 psi. ISDP Vacuum. Pulled tubing and packer.
6-7-74 - Perforated from 3726'-3778' - (2HPF) Fractured well with 80,000 gals of lease crude oil and 80,000# of 10-20 sand. Pressures: Maximum 1500 psi, minimum 550 psi, average 1000 psi. ISDP 250 psi. On vacuum in 12 min. Injection rates: Average 76 BPM. Ran Differential Temperature Survey.
6-8-74 - Cleaningout sand from 3747' to 3792' with sand pump.
6-9-74 - Cleaned out sand to 3794'. Ran tubing, rods and pump. Started pumping back load oil.
6-26-74 - After all load oil recovered, well pumped 150 BO, 2 BW, 30.3 MCFPD in 24 hrs. GOR 198. Oil Gravity 43.2 Degrees at 72 Degrees.

RECEIVED
JUL 01 1974
O & G CONS. COMM.

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

Signed C. J. Breeden Title District Prod. Supt. Date 6-27-74

C.J. Breeden

Permit No. 390

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

WV

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: Kerr-McGee Corporation

2. Oil WELL [X] GAS WELL [ ] OTHER [ ] (Specify)

3. Well Name: Navajo Well No.6

Location: 1,950'FNL and 990'FEL (SE NE)

Sec. 31 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 Navajo

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		PULL OR ALTER CASING		WATER SHUT-OFF		MONTHLY PROGRESS	
FRACTURE TREAT	X	DIRECTIONAL DRILL		FRACTURE TREATMENT		REPAIRING WELL	
SHOOT OR ACIDIZE	X	PERFORATE CASING		SHOOTING OR ACIDIZING		ALTERING CASING	
REPAIR WELL		CHANGE PLANS				ABANDONMENT	
(OTHER) Perforate			X	(OTHER)			

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

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

Pull rods, pump and tubing. Clean out to 3794' with sand pump. Acidize present perforations (3,672'-3,726') with 5,000 gallons of 7 1/2% HCL Acid. Perforate from 3,726'-3,778' with 2 HPF. Fracture with 80,000 gallons of Crude Oil and 80,000# of 10-20 sand. Run Differential Temperature Survey to determine frac entry. Clean out with sand pump to 3,794'. Run tubing, pump and rods. Place well on production.

Estimate starting date: April 15,1974.

RECEIVED
APR 0 1974
O & G CONS. COMM.

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

Signed C.J. Breeden Title Dist. Prod. Supt. Date 4-3-74

C.J. Breeden

Permit No. 390

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

AR12.

POTENTIAL TEST AND REQUEST FOR ALLOWABLE - NEW WELLS

DESIGNATE TYPE OF COMPLETION:

New Well XXX | Work-over ☐ | Deepen ☐ | Plug Back ☐ | Same Reservoir ☐ | Different Reservoir ☐

Other Reason For Filing:

KERR-MCGEE CORPORATION

Operator

215 PETROLEUM CENTER BLDG.

Address

FARMINGTON, NEW MEXICO

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	Navajo No. 6	Apache

Footage Location: 990' FEL & 1950' FNL

Sec. Twp. Rge.: Sec. 31-T36N-R30E

Date spudded	Date completed, ready to produce	Total depth	P.B.T.D.
5-27-67	7-7-67	3835'	3790'

Field and reservoir	Top of pay	Producing interval
Dineh-bi-Keyah Hermosa	3657'	3672'-3726'

TEST DATA

Date of first production	Date of test	Length of test	Producing method (flow pump, gas lift)	Amount of load oil injected if any.
7-8-67	7-11-67	24 hrs.	Pump	

Number of barrels of oil produced from completion or recompletion date to test date	If well is produced by pumping, give pump size, length of stroke and strokes per minute
21	2-1/2"x2"x16' insert btm. hole pump.

Tubing pressure	Casing pressure	Choke size
-0-	-0-	None

*Actual production during test:	Oil (bbls)	Water (bbls)	Gas (MCF)
163	163	4	22

*Production must actually equal or exceed wells daily allowable or test must be for full 24 hours

Gas-oil ratio	Oil gravity	Name of transporter of oil
135/1 MCF/bbl.	42.6 * A.P.I. corrected	Kerr-McGee Pipeline Corp.

Number of acres attributed to this well	Number of producing wells in this reservoir on this lease, including this well	Single, dual or triple completion?	Daily allowable requested (bbls)
160	9	Single	

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 Production Supt. of the Kerr-McGee 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.

7-27-67
Date

C. D. Wallace
Signature

RECEIVED
AUG 2 1967
STATE O & G
CONS. COMM.

Witnessed by: Kerr-McGee Corp.
Organization

Gary Roth
Signature

7-27-67
Date

Permit No. 390

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Potential Test & Request for Allowable—Oil Wells

File One Copy

Form No. 6

ARIZ.

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well [XX] Work-Over [ ] Deepen [ ] Plug Back [ ] Same Reservoir [ ] Different Reservoir [ ] Oil [XX] Gas [ ] Dry [ ]

DESCRIPTION OF WELL AND LEASE

Operator: Kerr-McGee Corporation	Address: 215 Petroleum Center Bldg. Farmington, New Mexico
Federal, State or Indian Lease Number or name of lessor if fee lease: 14-20-0603-8823 NAVAJO	Well Number: NO. 6
Field & Reservoir: Dineh-bi-Keyah Hermosa	
Location: 990' FEL & 1950' FNL	County: Apache
Sec. TWP-Range or Block & Survey: Sec. 31, T36N, R30E	

Date spudded	Date total depth reached	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.)	Elevation of casing hd. flange
5-27-67	6-13-67	7-8-67	8317' GR feet	feet

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
3835'	3790'	Single.	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
3672' - 3726'	All	None

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
NO	NO	NO	- -

Type of electrical or other logs run (check logs filed with the commission)	Date filed
IES, Sonic-GR, GR-Neutron.	All Filed:7-14-67

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.	13-3/4"	9-5/8"OD	32.30#	567'	525sxs common cmt.	None
Production	8-3/4"	7" OD	20#	3657'	100sxs 1-1 Pozmix 50 cmt.	None

TUBING RECORD

Size	Depth set	Packer set at
2-7/8 in.	3642 ft.	None ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
5-1/2"OD in.	3530 ft.	3835 ft.	125	-

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval
5jets/ft.	0.55"hole.	3672'-3726'

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval
900gals.10%Acetic Acid.	3672'-3726'
2268gals.HFl Acid.	3672'-3726'
39,730gals oil,20,000#sand.	3672'-3726'

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)
7-8-67	Pumping, 2-1/2"x2"x16' insert btm. hole pump.

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
7-11-67	24	None	163 bbls.	22 MCF	4 bbls.	42.6° API (Corr)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hrs.	Oil	Gas	Water	Gas—oil ratio
-0-	-0-		163 bbls.	22 MCF	4 bbls.	135/1

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 Prod. 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.

7-27-67
Date

C. J. Lehman
Signature

RECEIVED
AUG 2 1967
STATE O & G
CONS. COMM.

Permit No. 390

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy
Form No. 4

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
CHUSKA (Tertiary)	SURFACE	500'	WH. SD. & GRY. SH.
CHINLE (Triassic)	500'	1360'	RED SH. W/THIN STRINGERS OF SD.
COCONINO (Permian)	1360'	2090'	MASSIVE SD.
CUTLER (Permian).	2090'	3183'	RED SH. LIME, & SD.
HERMOSA (Penn.)	3183'	3794'	LIME W/RED & GRY. SH. IGNEOUS ROCK 3657'-3779'.

* 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

2-ARC

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL XX GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL XX WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Bldg. - Farmington, New Mexico

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
1950' FNL & 990' FEL (SE NE) Sec. 31, T36N, R30E. Apache Co., Arizona G&SRM
At top prod. interval reported below
Same.
At total depth
Same.

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.
NO. 6

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 31, T36N, R30E G&SRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

RECEIVED JUL 24 1967 O & G CONS. COMM.

14. PERMIT NO.

DATE ISSUED
3-29-67

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5-27-67	6-13-67	7-8-67	8317' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
3835'	3790'		→	All	None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3672'-3726' (MD) Hermosa Intrusive

25. WAS DIRECTIONAL SURVEY MADE
No.

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES, Sonic - GR, GR - Neutron

27. WAS WELL CORED
Yes.

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"OD	32.30#	567'	13-3/4"	525 sxs common cement	None.
7" OD	20#	3657'	8-3/4"	100 sxs 1-1 Pozmix 50 cement.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2"OD	3530'	3835'	125	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8" OD	3642'	None.

31. PERFORATION RECORD (*Interval, size and number*)
3672'-3726' 5 jets/ft. 0.55" hole.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3672-3726	900 gals. 10% Acetic Acid
3672-3726	2268 gals. HFl Acid
3672-3726	39,730 gals oil, 20,000# sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
7-8-67	Pumping - 2-1/2"x2"x16' insert btm hole pump.	Producing.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-11-67	24	None		163	22	4	135/1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
-0-	0		163	22	4	42.6

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Vented.

TEST WITNESSED BY
Gary Roth

35. LIST OF ATTACHMENTS
None, logs were furnished 7-18-67.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED C. D. Cahill TITLE Production Supt. DATE 7-20-67

*(See Instructions and Spaces for Additional Data on Reverse Side)

1 390

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
CHUSKA (Tertiary)	Surface	500'	WH. SD. & GRY. SH.			
CHINLE (Triassic)	500'	1360'	RED SH. W/THIN STRINGERS OF SD.			
COCONINO (Permian)	1360'	2090'	MASSIVE SD.	Permian	1340'	
CUTLER (Permian)	2090'	3183'	RED SH., LIME AND SD.	Pennsylvanian	3183'	
HERMOSA (Penn.)	3183'	3794'	LIME W/RED & GRY SH. Igneous rock 3657' - 3779'.			

U.S. GOVERNMENT PRINTING OFFICE: 1983—O-383636

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE ..... Navajo
LEASE NO. 14-20-0603-8823

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Arizona *County* Apache *Field* Dineh-bi-Keyah

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1967,

Agent's address 215 Petroleum Center Building *Company* Kerr-McGee

Farmington, New Mexico 87401 *Signed* Clay Reed

Phone 327-9637 *Agent's title* Production Engineer

SEC. AND ¼ OR ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SE SW 32	36N	30E	1	25						Pulled 2-7/8" tubing and Reda pump. erf from 2885' - 2942'. Frac with 60,000 gallons of crude, 30,000# sand. Ran Reda pump on 3-1/2" tubing set @ 2762' on 7-23-67 well tested 1851 BO/24 hrs, 43.3° API, 73 ft.³/bbl. Production data will be submitted as soon as run figures are received from Permian Corporation and have been verified.
SE NW 32	36N	30E	2	31						Production data will be submitted as soon as run figures are received from Permian Corporation and have been verified.
SE SE 32	36N	30E	3X	29						"
SE SW 29	36N	30E	7	28						"
SE SE 30	36N	30E	9	28						"
SE SE 31	36N	30E	5	None						No activity on this well in July, 1967, operation suspended 6-21-67.
SE NE 31	36N	30E	6	23						Ran 2-1/2" x 2" x 16' BH pump, set @ 3642'. On 7-11-67 well tested 163 BO/24 hrs, 42.6° API, ~~135~~ 22 ft.³/bbl GOR, 135 2.5% BS&W.
SE NW 31	36N	30E	14	23						Frac with 60,000 gals. crude & 30,000 # sand. Ran 3-1/2" tubing set @ 3820'. Flow testing well.
SE SW 30	36N	30E	15	17						Drill 6-1/4" hole to 3225' with cable tool unit. 7" casing had been set @ 3159'. This leaves an open hole completion in the pay zone from 3159' - 3225'. Frac with 60,000 gals. crude and 30,000# sand. Ran Reda pump on 3-1/2" tubing. Set @ 3122'. Pump testing well.

RECEIVED
AUG 1 1967
OIL CON. COM.
DIST. 3

NOTE.—There were ..... runs or sales of oil; ..... M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16-26231-1 U.S. GOVERNMENT PRINTING OFFICE

10

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	Field	Reservoir
14-20-0603-8823	Dineh-bi-Keyah	Lower Hermosa
Survey or Sec-Twp-Rge	**County**	**State**
Sec. 29-32-T36N-R30E	Apache	Arizona

Operator

Kerr-McGee Corporation

ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:

Street	City	State
215 Petroleum Center Bldg.	Farmington	New Mexico 87401

Above named operator authorizes (name of transporter)

Kerr-McGee Pipeline Corporation Attention: Mr. A. R. Gockel

Transporter's street address	City	State
Kerr-McGee Building	Oklahoma City	Oklahoma 73102

Field address

P. O. Box 989 - Farmington, New Mexico 87401

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 Gatherer & Transporter Effective: 7/14/67

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 Production Superintendent 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 7/14/67

Signature C. D. Cole

Date approved: 7-21-67

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: John W. Bannister

Permit No.

RECEIVED JUL 21 1967 STATE O & G CONS. COMM.

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

6-28-67

Telcon from Mr. Bannister in Farmington, N.M.

Re: Kerr-McGee #4 Navajo

Spudded 6-27-67. Drilling at 272'.

Kerr-McGee #5 Navajo

Spudded 5-17-67. Swabbing today.
T.D. 4620;.
Ran pipe 6-8-67.
Tops: Coconino 1484
Mermosa limestone 3290
Intrusive 3772

Kerr-McGee #6 Navajo

Spudded 5-27-67. Elevation 7697. TD 3835.
Completion rig on location at present time.
Tops: Coconino 1360
Hermosa limestone 3185 ±
Intrusive 3650 ±

Kerr-McGee [redacted]4 Navajo

Spudded 6-10-67. TD 3920.
Slumberger logged 6-27-67.
Tops: Coconino 1548
Hermosa limestone 3358
Intrusive 3816

Kerr-McGee #15 Navajo
Spudded 6-16-67
TD 3159. Moving in cable tool.
PBTD 3094. Tops: Coconino 795
Hermosa Limestone 2790
Intrusive 3155

AR12.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN [illegible]PLICATE*
(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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Kerr-McGee Corporation

3. ADDRESS OF OPERATOR: 215 Petroleum Center Bldg. - Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface: SE NE Sec. 31, T36N, R30E G&SRM
Apache County, Arizona

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.: No. 6

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 31, T36N, R30E G&SRM

12. COUNTY OR PARISH: Apache | 13. STATE: Arizona

14. PERMIT NO.: State No. 390

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 8317' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	XX	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	XX	ABANDONMENT*	XX
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Run Liner.			
(Other)				(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.)*

Drilled 6-1/4" hole to 3835'. Set 5-1/2" O.D. 17# N-80 Hydril flush joint liner from 3530'-3835'. (Btm of 7" csg at 3657'). Cemented with 75 sxs 50-50 pozmix and 50 sxs neat cement. PBTD 3790'. Perf 3672'-3726' with 1 jet/ft. Acidized with 900 gallons 10% Acetic Acid. Max. pressure 500 psi. Treat pressure 500 psi. Swabbed well. Had show of oil. Acidized with 2268 gallons HFl Acid using 54 ball sealers. Max. pressure 2000, Ave. pressure 1200 psi. IR 4 bbls/min. Swab well dry. TOOH with tubing. Frac well with 39,730 gallons of oil, 20,000# 10-20 sand and 2000# Adomite II. Max. pressure 1200#, Ave. pressure 1565 psi. IR 67 BPM. ISDP 800 psi. Re-perforated 3672'-3726' with 4 jets/ft (0.55" hole).

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

SIGNED [signature] TITLE Production Supt. DATE 6-27-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
JUN 29 1967
OIL CONS. COMM.
STATE O & G

17

390

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deep...)

1. OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

3. ADDRESS OF OPERATION

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐

(Other)

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

16. 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.)

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

U.S. GOVERNMENT PRINTING OFFICE: 1963 O-683220

Instructions

General: This form is designed for submitting proposals to perform certain well-operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations. If approved or accepted by any State, or all, and in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by or may be obtained from, the local Federal and/or State office.

Items 4, 15, 22, & 24: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 16: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State officers. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

2-USGS - Roswell
2-Ariz.
1-Tribe
1-JIF
1-WRF
1-RF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R714.4.

ALLOTTEE NAVAJO
TRIBE
LEASE NO. 14-20-0603-8823

LESSEE'S MONTHLY REPORT OF OPERATIONS NAVAJO LSE.

State [redacted]ARIZONA *County* Apache *Field* Dineh-bi-Keyah

The following is a correct report of operations and production (including drilling and producing wells) for the month of JUNE, *19*67,

Agent's address 215 Petroleum Center Bldg. *Company* Kerr-McGee Corporation
Farmington, New Mexico *Signed* R. D. Cannon

Phone 327-9637 *Agent's title* Prod. Supt.

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SESW32	36N	30E	1	30						Production data will be submitted as soon as run figures are received from Permian Corporation and have been verified.
SENW32	36N	30E	2	30						
SESE32	36N	30E	3X	30						
SESW29	36N	30E	7	30						
SESE30	36N	30E	9	30						
SESE31	36N	30E	5	None		#392				Drilled to 4620' and set 7" csg at 4616'. Block squeeze pay zone with 100 sxs at 3824'-3826' & 150 sxs at 3770'-72'. Perf 3776'-3820' & acidize w/2500 gals. H Fl & frac w/30,000 gals. crude w/15,000# sd. Well swab dry. Perf 3856'-3900'. Frac both intervals with 60,000 gals. crude & 30,000# sd. Well swab dry. Move unit off well 6-21-67 & suspended operation.
SENE31	36N	30E	6	None		#390				Drill to 3658' & set 7" csg. Drill 6-1/4" hole below 7" to 3835' & set 5-1/2" liner from 3530'-3835'. Perf 3672'-3726' and acidized w/900 gals. 10% Acetic acid & 2268 gals H Fl acid. Frac w/39,730 gals. crude & 20,000# sd. Swabbing well.
SENW31	36N	30E	14	None						Spud 6-10-67. Set 9-5/8" at 754'. Set 7" at 3829'. Drill 6-1/4" hole to 3920'. Open hole pay zone 3829'-3920'. Prepare to frac.
SESW30	36N	30E	15	None						Spud 6-15-67. Set 9-5/8" csg at 262'. Set 7" at 3159'. Rig up cable tools to drill below 7" casing.

NOTE.—There were ..... runs or sales of oil; ..... M cu. ft. of gas sold;
..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

RECEIVED
JUL 3 1967
OIL & GAS CONS. COMM.

Form 9-329A
(December 1958)

16—26221-7 U.S. GOVERNMENT PRINTING OFFICE

- ARIZONA

390

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company KERR-McGEE CORPORATION Formation PENNSYLVANIAN File CP-1-6351
Well NAVAJO NO. 6 Core Type DIAMOND Date Report 6-19-67
Field DINEH-BI-KEYAH Drilling Fluid INVERTED OIL EMULSION Analysts KUHLMAN
County APACHE State ARIZONA Elev. 8317'GL Location SEC 31-36N-30E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM | DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP | ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS | SANDY-SDY, SHALY-SHY, LIMY-LMY | FINE-FN, MEDIUM-MED, COARSE-CSE | CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL | BROWN-BRN, GRAY-GY, VUGGY-VGY | FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY | SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS: PERM. MAX.	PERM. 90°	BOYLE'S LAW Ø	RESIDUAL SATURATION PER CENT PORE: OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
	DEAN STARK ANALYSIS						
1	3658-59	0.3		9.0	15.0	46.0	
2	59-60	0.3		9.2	6.0	49.3	
3	60-61	0.2		9.1	6.7	48.0	
4	61-62	0.3		9.4	3.4	49.5	
5	62-63	0.3		8.5	8.4	56.4	
6	63-64	0.4		9.5	9.0	44.8	
7	64-65	0.4		9.7	5.7	44.9	
8	65-66	0.3		9.7	7.6	44.6	
9	66-67	0.3		9.9	15.4	40.4	
10	67-68	0.4		10.0	15.4	43.0	
11	68-69	0.2		9.2	11.0	38.0	
12	69-70	0.4		9.3	16.5	40.4	
13	70-71	0.3		8.2	8.5	50.4	
14	71-72	0.4		8.6	11.5	41.9	
15	72-73	0.6		10.7	8.9	29.8	
16	73-74	0.8		9.8	10.7	32.9	
17	74-75	1.0		10.5	13.0	37.0	
18	75-76	4.7		12.8	10.4	29.7	
19	76-77	1.0		11.6	25.7	35.0	
20	77-78	0.4		9.3	25.1	40.1	
21	78-79	0.3		8.8	3.6	43.6	
22	79-80	0.3		7.8	17.3	56.5	
23	80-81	0.3		8.2	6.6	47.0	
24	81-82	0.4		9.1	3.7	44.6	
25	82-83	0.4		10.5	17.9	34.3	
26	83-84	0.3		10.1	9.1	35.3	
27	84-85	0.6		10.1	12.7	36.3	
28	85-86	0.3		10.2	22.8	37.6	
29	86-87	0.2		9.3	7.6	38.5	
30	87-88	0.2		8.1	4.9	41.2	
31	88-89	0.2		7.7	13.2	44.3	
32	3689-90	0.9		8.0	13.0	43.6	

RECEIVED
DEC 21 1967
STATE O & G
CONS. COMM.

These analyses, opinons or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

3 #390

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CP-1-6351 Page No. 2
Well Navajo No. 6

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	BOYLE'S LAW Ø	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
33	3690-91	0.2	8.5	14.2	39.5	
34	91-92	0.2	9.1	17.4	42.5	
35	92-93	0.6	9.9	7.4	37.2	
36	93-94	0.4	9.9	24.5	34.6	
37	94-95	2.4	11.7	24.3	48.6	
38	95-96	1.3	11.1	21.1	34.8	
39	96-97	1.4	11.3	18.2	32.5	
40	97-98	1.6	11.1	24.1	34.5	
41	98-99	1.0	11.5	26.3	29.5	
42	99-00	1.2	10.8	9.3	38.8	
43	3700-01	3.7	13.2	22.5	32.1	
44	01-02	1.0	12.3	24.4	26.7	Vert/frac
45	02-03	2.3	12.8	14.8	30.5	
46	03-04	5.5	14.7	12.7	26.2	
47	04-05	2.8	13.8	17.7	24.9	
48	05-06	5.8	14.7	23.2	24.7	
	3706-18					Lost core
49	3718-19	4.5	12.7	24.7	31.5	
50	19-20	1.8	12.0	22.5	36.8	
51	20-21	6.9	13.1	16.6	33.2	
52	21-22	1.2	11.3	6.2	49.3	
53	22-23	1.3	10.6	14.1	45.9	
54	23-24	0.7	12.0	5.1	45.0	
55	24-25	1.1	9.1	19.7	55.1	
56	25-26	0.4	10.0	6.7	39.4	
57	26-27	0.4	10.1	7.9	39.8	
58	27-28	0.3	9.3	8.7	47.2	
59	28-29	0.4	8.9	12.6	49.0	
60	29-30	0.3	10.6	7.3	45.7	
61	30-31	0.4	8.9	12.7	53.3	
62	31-32	0.4	8.7	9.7	48.6	
63	32-33	0.3	9.2	8.0	54.1	
64	33-34	0.3	8.6	7.9	56.3	
65	34-35	0.3	8.7	4.8	52.8	
66	35-36	0.5	8.7	4.1	52.6	
67	36-37	0.5	7.9	4.4	59.4	
68	37-38	0.2	7.5	20.7	50.5	
69	38-39	0.2	6.4	10.6	71.6	
70	3739-40	0.1	7.4	13.5	60.5	

RECEIVED
DEC 21 1967
STATE O & G
CONS. COMM.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

390

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CP-1-6351 Page No. 3
Well Navajo No. 6

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	BOYLE'S LAW Ø	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
71	3740-41	0.3	9.0	16.0	45.8	
72	41-42	0.2	8.8	7.3	57.5	
73	42-43	0.2	7.6	9.3	54.5	
74	43-44	0.2	8.4	0.0	61.8	
75	44-45	0.3	8.5	4.0	63.5	
76	45-46	0.3	9.2	7.2	48.3	
77	46-47	0.2	8.1	28.0	49.9	
78	47-48	0.1	6.8	9.9	58.2	
79	48-49	0.2	7.6	12.8	50.1	
80	49-50	0.2	8.1	8.6	54.2	
81	50-51	0.3	6.5	4.8	65.2	
82	51-52	0.3	8.7	13.4	41.4	
83	52-53	0.6	10.8	6.2	33.8	
84	53-54	0.6	11.2	27.7	33.9	
85	54-55	0.6	11.5	18.5	33.0	
86	55-56	0.6	10.7	20.4	35.5	
87	56-57	0.5	10.4	24.7	40.0	
88	57-58	0.7	11.0	15.7	36.1	
89	58-59	0.2	8.8	7.4	43.4	
90	59-60	0.3	8.4	0.0	63.7	
91	60-61	0.3	8.4	8.2	61.7	
92	61-62	0.3	8.0	8.6	54.4	
93	62-63	0.2	8.7	0.0	61.3	
94	63-64	0.2	8.4	4.2	63.2	
95	64-65	0.2	8.6	4.0	60.1	
96	65-66	0.2	8.8	4.0	60.9	
97	66-67	0.2	11.3	5.7	49.6	
98	67-68	0.2	10.7	6.6	50.3	
99	68-69	0.6	11.8	8.5	47.3	
100	69-70	0.5	11.1	8.7	53.7	
101	70-71	0.2	10.5	9.8	65.9	
102	3771-72	<0.1	12.6	13.1	64.3	
	3772-75.5					Shale

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These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

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 [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Bldg.- Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
990' FEL & 1950' FNL (SE NE) Sec. 31-T36N-R30E
Apache County, Arizona

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.
NO. 6

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31-T36N-R30E

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO.
State No. 390

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6317' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[XX]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)				(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.) *

Drilled 8-3/4" hole to 3658'. Set 7" 20#, J-55 8RD, ST&C casing at 3657' RKB. Cemented w/100 sxs 50-50 Posmix w/4% gel followed by 50 sxs neat cement. WOC 14 hrs. Pressure tested casing to 1100 psi for 30 minutes. Held OK. Now drilling 6-1/4" hole below the 7" casing.

RECEIVED
JUN 14 1967
STATE O&G CONS. COMM.

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

SIGNED _____ TITLE Production Supt. DATE June 12, 1967

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

B 390

6-8-67

Telcon w/C.D. Williams, Kerr-McGee Corp.

Re: #5 Navajo

Running pipe on #5. Looks good.

Re: #6 Navajo

Revised casing program:
7" pipe to top of pay zone
Drill the pay
5" lines

Pipeline project is started as of June 5, 1967. Should be complete in 30 - 60 days.

14

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 [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR
KERR-MCGEE CORPORATION

3. ADDRESS OF OPERATOR
215 PETROLEUM CENTER BLDG. - FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
990' FEL & 1950' FNL (SE/4 NE/4) Sec. 31, T36N, R30E.
Apache County, Arizona

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.
NO. 6

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31, T36N, R30E

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO.
State No. 390

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8317'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[XX]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) SPUD			[XX]
(Other)				(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.)*

Spud at 8:00 pm 5-27-67. Drilled 13-3/4" hole to 570' & set 9-5/8" OD, 32.30#, H-40, ST&C Casing at 567' RKB. Cemented with 525 sxs common cement with 2% CaCl and 1/4# flocele/sx. Circ out 25 sxs. Plug down at 3:00 pm, 5-28-67. Released pressure. Floats held OK. WOC 12 hrs. Test casing and BOP to 1000 psi for 30 mins. Held OK. No drilling 8-3/4 hole below surface casing.

RECEIVED
JUN 1 1967
STATE O & G
CONS. COMM.

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

SIGNED [signature] TITLE Production Supt. DATE 6-1-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

16 360

[redacted]

WELL SITE CHECK

By J.B
Date 4-20-62

Contractor Pico Rlg Co.? Person(s) Contacted _____

Spud Date _____ _____

Type Rig _____ Rotary / Cable Tool Present Operations _____

Samples _____ _____

Pipe _____ Drilling with Air / Mud

Water Zones _____ Size Hole _____

Lost Circ. Zones _____ Size Drill Pipe _____

Formation Tops _____ Type Bit _____

Cores, Logs, DST _____ No. Bit ____ Drilling Date _____

_____ Formation _____

Crews _____ Lithology _____

REMARKS, PHOTO, MAP

Location made

WELL NAME Kerr McGee #6 Navajo
1/4 SE NE 31-36N-30E
990 FEL - 1950 FNL

Permit No. 390
Confidential: yes No

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK — DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL — OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Kerr-McGee Corporation

3. ADDRESS OF OPERATOR: P. O. Box K, Sunray, Texas, 79086

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 990' FEL and 1,950' FNL of Sec. 31, T36N, R30E, Apache County, Arizona
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 15 miles SW from Red Rock, Arizona

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	4,267'	16. NO. OF ACRES IN LEASE: 2,533	17. NO. OF ACRES ASSIGNED TO THIS WELL: 80
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	2,971'	19. PROPOSED DEPTH: 4,100'	20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 8,317' GR

22. APPROX. DATE WORK WILL START*: April 5, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	9-5/8"	36	800'	Sufficient to circulate cement.
8-3/4"	7"	20	4,100'	Sufficient to cover all potential productive zones

Blowout preventers: 800' - 4,100'

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

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

24.

SIGNED C. J. Breedlove TITLE Engineer DATE March 25, 1967

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

390 [redacted]

*See Instructions On Reverse Side

RECEIVED
MAR 29 1967
STATE O & G
CONS. COMM.

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒ RE-ENTER OLD WELL ☐

Kerr-McGee Corporation
NAME OF COMPANY OR OPERATOR

P. O. Box K — Address
Sunray — City
Texas, 79086 — State

Unknown
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	6	8,317'

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:
4,269 feet	2,971 feet
Number of acres in lease:	**Number of wells on lease, including this well, completed in or drilling to this reservoir:**
2,533	2 completed and 1 drilling

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)
990' FEL and 1,950' FNL	Section 31, T36N, R30E	E/2 of NE/4

Field and reservoir (if wildcat, so state)	County
Wildcat Hermosa	Apache

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

Proposed depth:	Rotary or cable tools	Approx. date work will start
4,100'	Rotary	April 5, 1967
Bond Status Blanket Bond **Amount**	**Organization Report** On file X Or attached	**Filing Fee of $25.00** Attached Yes

Remarks:
New Well

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Engineer of the Kerr-McGee Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

C J Breeden
Signature

March 25, 1967
Date

[redacted]

Permit Number: 390
Approval Date: 3-30-67
Approved By: John Bannister

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

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

Form No. 3

RECEIVED MAR 29 1967 O & G COMM.

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat.

2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.

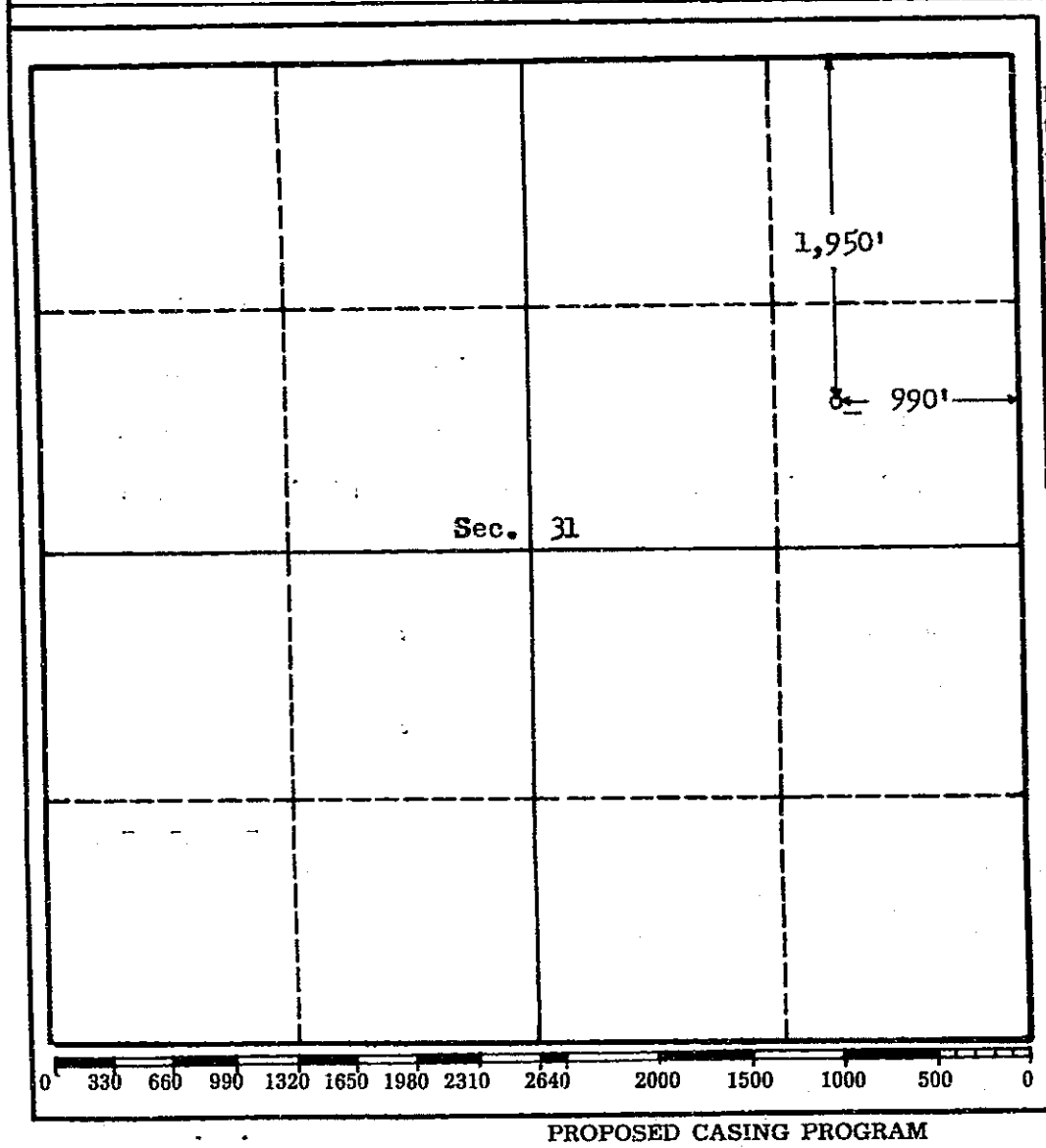
3. All distances shown on the plat must be from the outer boundaries of the Section.

4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X 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
Kerr-McGee Corporation	Sec. 31, T36N, R30E, Apache County



CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

C J Breeden

Name: C. J. Breeden

Position: Engineer

Company: Kerr-McGee Corporation

Date: March 25, 1967

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: March 16, 1967

Registered Professional Engineer and/or Land Surveyor

Certificate No.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	36	J-55	0	800'	0'-800'	Sufficient to circulate cement.
7"	20	J-55	0	4,100'	Sufficient to cover all potential productive zones.	

PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: KERR-MC GEE CORPORATION
(OPERATOR)

to drill a well to be known as

KERR-MC GEE #6 NAVAJO
(WELL NAME)

located 990'FEL and 1950'FNL (SE/4 NE/4)

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

The E/2 of NE/4 of said
Section, Township and Range is dedicated to this well.

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

Issued this 30th day of March, 1967.

OIL AND GAS CONSERVATION COMMISSION
By John Bannister
EXECUTIVE SECRETARY

PERMIT Nº 390

RECEIPT NO. 9484

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill
FORM NO. 27

API # 02-001-20015

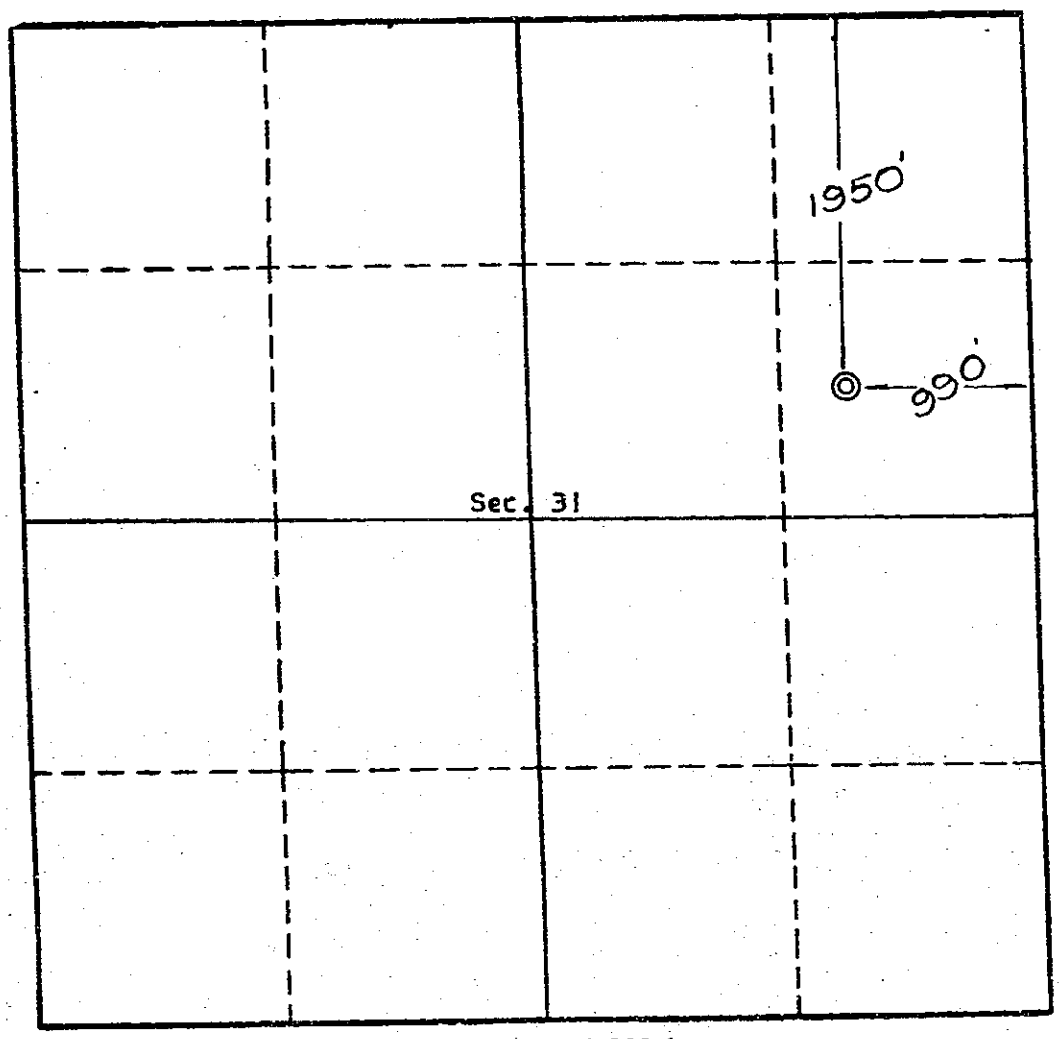
Company KERR-McGEE OIL INDUSTRIES, INC.

Well Name & No. #6 Navajo

Location 1950 feet from the North line and 990 feet from the East line.

Sec. 31, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona

Ground Elevation 8317



Scale, 1 inch = 1,000 feet

Surveyed March 16, 19 67

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.

Seal: ERNEST V. ECHOHAWK DEC. 31, 19 67 ARIZONA, U.S.A.

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

RECEIVED MAR 29 1967 STATE O & G CONS. COMM.

390

[redacted]

DINEH-BI-KEYAH FIELD

Operator: Mountian 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:

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

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

Jane Dee Hull
Governor

Larry D. Fellows
Director and State Geologist

December 1, 1997

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

390

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 SAFECO INSURANCE COMPANY OF AMERICA Amount $25,000

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

CANCELLED

DATE

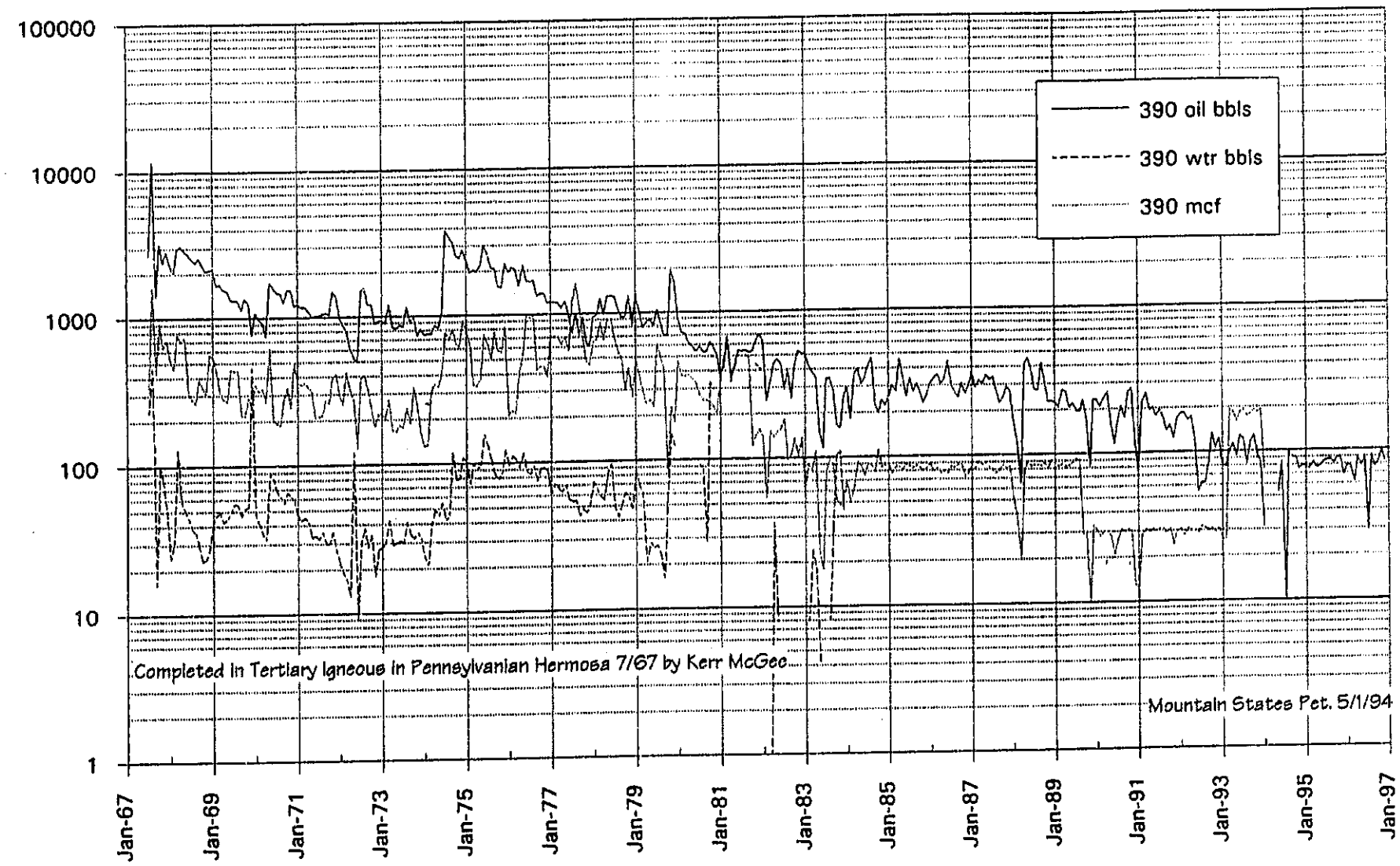
ACTIVE

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 6 NAVAJO (390), ARIZONA: JUL 1967 - DEC 1996

se ne 31-36n-30e, Dineh-bi-Keyah Field, Apache County



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

Fife Symington
Governor

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:

Well	API #
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

Steven L. Rauzi
Oil & Gas Program Administrator

390

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

CHANGES TO REPORTER INFORMATION

OLD INFORMATION:

MMS OPERATOR CODE: X 0 2 1 7

COMPANY NAME: KERR MCGEE CORPORATION

NEW INFORMATION:

MMS OPERATOR CODE: X 0 2 7 4

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 #6 (390)

Dineh Bi Keyah Field - Apache County, Arizona

Lease #: 14-20-0603-8823 API #: 020012001400S1

JUN 3 1994

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

SIGNATURE: Judy Bernhart

DATE: 5/13/94

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

FORM MMS – RPD/PRB/INFO FORM (REVISED 4/93)

390

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

390

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 DIVISION
MAY 31 1994

390

[redacted]

[redacted]

(6) Ken McGee Navajo #6 [redacted] 10/89

PN 390 SENE 31, 36N-30E

REPORT OF OIL SPILL

Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79189
(806)359-0351

FIELD DINEH-BI-KEYAH Apache COUNTY; Arizona (STATE)

COMPANY Kerr-McGee Corporation

LOCATION Navajo #6, Section 31, T-36N, R-30E

DATE 4-21-80 TIME 9:30 a.m.

AMOUNT OF OIL LOST 10-15 gals. TYPE Light crude

CAUSE OF INCIDENT Leak in 3 1/2" pipeline clamp

CORRECTIVE ACTION TAKEN Wells feeding the pipeline in question were SI immediately. The clamp had a very small leak. The joint of tubing that the clamp was on was replaced with a new joint of pipe. The wells were brought back on the line after repairs were complete on 4-21-80.

Collection pits built 5-2-80 to catch oil running beneath snow cover (see attached sketch)

INITIALLY BY Darrel Snook

REPORT TO Bill Thomas

TIME AND DATE 9:30 a.m. 4-21-80

NOTIFIED AGENCY None - due to heavy snow cover, the observed volume appeared to be less than the volumes required to notify anyone

REPORTED TO

TIME AND DATE

RECEIVED
SEP 30 1980
O & G CONS. COMM.

390

REPORT OF OIL SPILL

Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79189
(806)359-0351

FIELD DINEH-BI-KEYAH Apache COUNTY; Arizona (STATE)

COMPANY Kerr-McGee Corporation

LOCATION Navajo #6, Section 31, T-36N, R-30 E

DATE 4/17/80 TIME 5:30 p.m.

AMOUNT OF OIL LOST Estimate 4-10 bblsTYPE Light crude

CAUSE OF INCIDENT Leak in 3 1/2" pipeline clamp

CORRECTIVE ACTION TAKEN Wells feeding the pipeline in question were shut in immediately 4/17/80. The leak was repaired with 3 section of pipe on 4-18-80. The three sections of pipe replaced both the clamp that was leaking & the new replacement clamp that was installed on 4/9-80. The wells were not brought on until 4/19/80 so that it could be done in daylight hours and the flowline could be monitored.

INITIALLY BY Darrel Snook

REPORT TO Bill Thomas

TIME AND DATE 5:30 p.m. 4/17/80

NOTIFIED AGENCY None- Due to heavy snow cover, the observed volume appeared to be less than the volumes required to notify anyone.

REPORTED TO

TIME AND DATE

RECEIVED
SEP 23 1980
O & G CONS. COMM.

390

REPORT OF OIL SPILL

Kerr-McGee Corporation
P. O. Box 250
Amarillo, Texas 79189
(806)359-0351

FIELD DINEH-BI-KEYAH Apache COUNTY; Arizona (STATE)

COMPANY Kerr-McGee Corporation

LOCATION Navajo #6, Section 31, T-36N, R-30E

DATE 4-9-80 TIME Approximately 10:00 a.m.

AMOUNT OF OIL LOST Estimate 4-10 bbls TYPE Light crude

CAUSE OF INCIDENT Leak in 3 1/2" Pipeline Clamp

CORRECTIVE ACTION TAKEN Wells feeding the pipeline with the leak were shut in immediately 4-9-80. The pipeline clamp was replaced with a new clamp. The wells were restored to production.

INITIALLY BY Leo Harrison
Tony Nakai

REPORT TO Bill Thomas

TIME AND DATE Approximately 10:00 a.m.
4-9-80

NOTIFIED AGENCY None - Due to heavy snow cover, volume was estimated below the volume required to notify anyone.

REPORTED TO

TIME AND DATE

RECEIVED
SEP 88 1
O & G CONS. COMM.

390

KERR-McGEE CORPORATION
626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

PHONE
806 376-7256

June 28, 1974

Oil and Gas Conservation Department
State of Arizona
4515 North Seventh Ave.
Phoenix, Arizona 85013

Gentlemen:

Enclosed are two (2) copies each of your Form No.4 and Form No.25 for the Kerr-McGee Corporation Navajo Well No.6 in the Dineh-Bi-Keyah Field, Apache County, Arizona. These forms cover the Acidizing of the previous perforations from 3,672' - 3,726', perforating more of the Zone from 3,726' - 3,778', and Fracturing all of the Zone from 3,672' to 3,778'. This was requested for your approval by our submittal of Form No. 25 on 4-3-74.

The Job appears to be a success. Previously it was producing 30 BOPD and now is producing 150 BOPD.

Sincerely yours,

KERR-McGEE CORPORATION

C J Breeden

C.J. Breeden
District Production Superintendent

CJB:dt
Attch.

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JUL 01 1974
O & G CONS. COMM.

WFR

KERR-McGEE CORPORATION
626 AMARILLO PETROLEUM BUILDING
P. O. BOX 250 • AMARILLO, TEXAS 79105

PHONE
806 376-7256

November 5, 1973

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

Attention: Mr. W. E. Allen
Director

Dear Mr. Allen:

In regards to your letter of September 18, 1973, requesting reserve information for the Dineh-bi-Keyah Field and Pinta Dome Field, please be advised that I have referred your letter to our Oklahoma City office and have determined that due to company policy, we are unable to furnish the information at this time.

Yours truly,

KERR-McGEE CORPORATION

Warren E. Richardson
District Manager
Southwestern District

WER/mm

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NOV 8 1973
O & G CONS. COMM.

350

OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

September 18, 1973

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

Dear Mr. Richardson:

Will you please supply this Commission with any information that you might have regarding the recoverable reserves in the Dineh-Bi-Keyah Field and also in the Pinta Dome Field?

This information will be considered confidential if you so desire.

Thank you for your cooperation.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

370

Operator KERR MC GEE ~~OIL INDUSTRIES INC.~~ Corporation

Bond Company Insurance Co. of N. America Amount 25,000

Bond No. M 41 95 25 (~~KM528~~) Date Approved 10-28-65

Permits covered by this bond:

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

CANCELLED
DATE 10-24-68

SUPERSEDED by American Casualty Co. Bond #5347102 $25,000
CANCELLED 10-19-73
DATE

COPY

RECEIVED
AUG 14 1967
STATE O & G
CONS. COMM.

August 11, 1967

Mrs. Anna Smith, Manager
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico

Re: Kerr-McGee Well Samples
Dineh-bi-Keyah Field
Apache County, Arizona

Dear Mrs. Smith:

Kerr-McGee Corporation is releasing to the Four Corners Sample Cut Association the well cuttings on the following Apache County, Arizona, wells:

Kerr-McGee #6 Navajo, 1950 FNL & 990 FEL, Sec.31-36N-30E, Elev. 8332 GL, 8345 KB. Spudded 5-27-67, Comp. 7-8-67, T.D. 3835'.

Kerr-McGee #8 Navajo, 440 FSL & 690 FEL, Sec.29-36N-30E, Elev. 7164 GL, 7177 KB. Spudded 7-12-67, Comp. 7-29-67, T.D. 3660'.

Kerr-McGee #14 Navajo, 2020 FNL & 2060 FWL, Sec.31-36N-30E, Elev. 8555 GL, 8568 KB. Spudded 6-10-67, Comp. 7-9-67, T.D. 3920'.

Kerr-McGee #15 Navajo, 860 FSL & 1980 FWL, Sec.30-36N-30E, Elev. 7684 GL, 7697 KB. Spudded 6-15-67, T.D. 3229'.

Yours very truly,

KERR-MCGEE CORPORATION

R. W. King

R. W. King, Division Manager

RWK:sg

cc: John Bannister
Arizona O&G Conservation Commission
Phoenix, Arizona

Henry F. Pohlmann
Navajo Tribe Minerals Dept.
Farmington, New Mexico

KERR-McGEE CORPORATION

KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

215 Petroleum Center Building
Farmington, New Mexico 87401

August 11, 1967

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

Attention: Mr. John Bannister
Executive Secretary

Re: Confidential Well Information
Dineh-bi-Keyah Field
Apache County, Arizona

Dear John:

Please be advised that Kerr-McGee has removed from confidential well status the following wells:

Navajo No. 1	-	SESW, Section 32, T36N, R30E
Navajo No. 2	-	SENW, Section 32, T36N, R30E
Navajo No. 3X	-	SESE, Section 32, T36N, R30E
Navajo No. 4	-	SENE, Section 32, T36N, R30E
Navajo No. 6	-	SENE, Section 31, T36N, R30E
Navajo No. 7	-	SESW, Section 29, T36N, R30E
Navajo No. 8	-	SESE, Section 29, T36N, R30E
Navajo No. 9	-	SESE, Section 30, T36N, R30E
Navajo No. 14	-	SENW, Section 31, T36N, R30E
Navajo No. 15	-	SESW, Section 30, T36N, R30E
Navajo No. 16	-	SENW, Section 30, T36N, R30E
Navajo No. C-2	-	SENW, Section 33, T36N, R30E

Kerr-McGee desires to hold in the confidential status the information on the following wells:

Navajo No. 5	-	SESE, Section 31, T36N, R30E
Navajo No. 13	-	SESW, Section 31, T36N, R30E
Navajo No. B-1	-	SENW, Section 5, T35N, R30E
Navajo No. B-2	-	SENE, Section 5, T35N, R30E
Navajo No. E-1	-	SESE, Section 20, T36N, R30E

Very truly yours,

C. D. Williams
Production Superintendent

CDW:la

CC: USGS - Farmington
Navajo Tribe - Farmington

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AUG 14 1967
STATE O & G
CONS. COMM.

July 19, 1967

Oil and Gas Conservation Commission
Room 202 - 1624 W. Adams
Phoenix, Arizona 85007

Attn: Mr. John Bannister

Re: Well Logs For:
Navajo Well 3X
Apache County, Arizona
S32-T36N-R30E

Gentlemen:

With reference to Kerr-McGee's letter of July 12, 1967 wherein the set of electric logs was furnish to the commission with the request that they be kept confidential for the remainder of the six-month period, this is to advise that effective immediately Kerr-McGee authorizes the release and use of the logs on Well #3X.

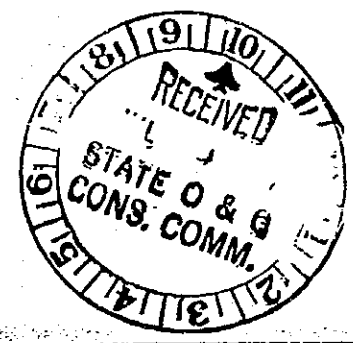
In order to further clarify Kerr-McGee's position, release is also authorized for all other data with reference to the wells for which the logs have also been released.

Very truly yours,

KERR-MCGEE CORPORATION

C.F. Miller

C.F. Miller, General Manager
Oil & Gas Prodn. Oprs.



KERR-McGEE CORPORATION

KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

215 Petroleum Center Building
Farmington, New Mexico 87401

July 14, 1967

State of Arizona
O&G Conservation Commission
Room 202 - 1624 W. Adams
Phoenix, Arizona

Attention: Mr. John Bannister

RE: Well Logs
Dineh-bi-Keyah Field
Apache Co., Arizona

Dear John:

Kerr-McGee Corporation has authorized the release and use of the following well logs which are enclosed:

Navajo No. 6 - Induction-Electric Log
Borehole Compensated Sonic Log Gamma-Ray
Gamma-Ray Neutron Log

Navajo No. 7 - Induction-Electric Log
Borehole Compensated Sonic Log Gamma-Ray

Navajo No. 9 - Induction-Electric Log
Borehole Compensated Sonic Log Gamma-Ray

Navajo No. 14- Induction-Electric Log
Induction Gamma-Ray Log
Formation-Density Log
Borehole Compensated Sonic Log Gamma-Ray

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JUL 17 1967
STATE O & G
CONS. COMM.

Very truly yours,
Kerr-McGee Corporation

C. D. Williams by Gary Ruth

C. D. Williams
Production Superintendent

CDW:la

Enclosures

Wrong corrected records

KERR-McGEE CORPORATION
KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

215 Petroleum Center Building
Farmington, New Mexico
June 5, 1967

State Of Arizona
Oil & Gas Conservation Comm.
Room 202 - 1624 W. Adams St.
Phoenix, Arizona

Attn: Mr. John Bannister, Executive Secr.

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

Gentlemen:

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

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

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

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JUN 9 1967
STATE O & G
CONS. COMM.

KERR-McGEE CORPORATION
KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

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

If additional information is needed, please advise.

Sincerely yours,
KERR-McGEE CORPORATION

C. D. Williams
Prod. Supt.

CDW/hs

KERR-McGEE

April 25, 1967

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APR 27 1967
STATE O & G
CONS. COMM.

State of Arizona

Oil and Gas Conservation Commission

Room 202, 1624 West Adams
Pheonix, Arizona 85007

Attention Mr. John Bannister

Gentlemen :

It is our request that all information on Producing, Drilling, and Permitted wells operated by Kerr McGee Corporation in Dineh bi Keyah Field in Apache County Arizona be kept confidential.

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

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

Yours very truly,
Kerr-McGee Corporation

O. C. Benton

Division Supt. Oil & Gas Production
Sunray, Texas.