

P-W

KERR-MCGEE 1 NAVAJO 484
NW. SW 33-36N-30E Apache County

s1

COUNTY Apache AREA 9 mi SW Red Rock LEASE NO. Navajo 14-20-0603-8822

Mtn. States Petroleum (5-194)
WELL NAME Kerr-McGee 1 Navajo-C

LOCATION NW SW SEC 33 TWP 36N RANGE 30E FOOTAGE 2310 FSL 330 FWL
ELEV 7931 GR KB SPUD DATE 2-11-69 STATUS Oil producing TOTAL
COMP. DATE 6-16-69 DEPTH 3590'

CONTRACTOR Loffland Brothers Rig #20

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
9 5/8"	328	200 SKS	NA	<input checked="" type="checkbox"/>		<u>Dineh=bi=Keyah</u>	
7	3590	150 Sks					

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	270'	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Am Strat does not agree
Coconino	1152'			
Cutler	1858'			
Hermosa	2974'			
Intrusive	3452'			
Hermosa	3501			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>IES-2; BHC-GR-2</u>	<u>3459-68 3482-96</u>		<u>Am Strat</u>
	<u>3468-82</u>		<u>SAMPLE DESCRP.</u>
			<u>SAMPLE NO. 1464*</u>
			<u>CORE ANALYSIS</u>
			<u>DSTs</u>
			<u>*Tucson 2562</u>

REMARKS P.I. INF. indicates well cored F/3460-3508

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

WATER WELL ACCEPTED BY _____

BOND CO. American Casualty Company BIA BOND BOND NO. 5471020-52
DATE _____ ORGANIZATION REPORT 7-17-67
BOND AMT. \$ 25,000 CANCELLED 12/1/97
FILING RECEIPT 9566 LOC. PLAT X WELL BOOK X PLAT BOOK X
API NO. 02-001-20092 DATE ISSUED 1-15-69 DEDICATION SW/4

PERMIT NUMBER 484

(over)

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator: **KERR-McGEE CORPORATION** Address: **215 Petroleum Center Building, Farmington, NM**

Federal, State or Indian Lease Number or name of lessor if fee lease: **14-20-0603-8822 NAVAJO "C"** Well Number: **1** Field & Reservoir: **Dineh-bi-Keyah, Lower Hermosa**

Location: **2310' FSL and 330' FWL, (NWSW)** County: **Apache**

Sec. TWP-Range or Block & Survey: **Sec 33, T36N, R30E, G&SRM**

Date spudded: **2-11-69** Date total depth reached: **2-23-69** Date completed, ready to produce: **6-16-69** Elevation (DF, RKB, RT or Gr.) feet: **7939 GR** Elevation of casing hd. flange: **Same** feet

Total depth: **3590'** P.B.T.D.: **3547'** 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: **3452'-3501'** Rotary tools used (interval): **0-3590'** Cable tools used (interval): **None**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **N/A** Date filed: **N/A**

Type of electrical or other logs run (check logs filed with the commission): **IES and GR-Sonic (both filed)** Date filed: **3-13-69**

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	13 3/4"	9 5/8"	32.30#	328'	200	None
Production	8 3/4"	7"	20#	3590'	150	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2 7/8" in.	3540 ft.	None ft.	None in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1	0.48 jet	3459-68'; 3482-96'	1500 gal Acetic & 1500 gal HCl	3459-96'
2	0.48 jet	3468-82	80,220 gal crude, 72,000# sd	3459-96'

INITIAL PRODUCTION

Date of first production: **6-16-69** Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump.): **Pumping, 2 1/2" x 1 1/4" x 10' x 14 National RHBC Insert**

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
6-22-69	24	None	12 bbls.	2 MCF	1 bbls.	39° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
10	15		12 bbls.	2 MCF	1 bbls.	167

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 **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: **June 25, 1969**

Signature: *[Signature]*



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log

Permit No. **484**

Form No. 4

File One Copy **2**

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Chuska (Tertiary)	Surface	270	White sandstone
Chinle (Triassic)	270	1152	Red shale with sand stringers
Coconino (Permian)	1152	1858	Massive sandstone with shaly stringers
Cutler (Permian)	1858	2974	Shale, sandstone and limestone
Hermosa (Penn)	2974	3452	Limestone, dense, with red, gray and black shale; thin stringers of sand
Intrusive (Tertiary)	3452	3501	Syenite sill
Hermosa (Penn)	3501	3590	Limestone, dense, with red, gray and black shale; thin stringers of sand

* 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.

**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 <u>14-20-0603-8822</u>	Field <u>Dineh-BI-Keyah</u>	Reservoir <u>Hermosa</u>
Survey or Sec-Twp-Rge <u>Sec. 27, 28, 33, 34 T36N-R30E</u>	County <u>Apache</u>	State <u>AZ</u>
Operator <u>Mountain States Petroleum Corp.</u>		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street <u>P O Bx 1936</u>	City <u>Roswell,</u>	State <u>New Mexico 88202</u>
Above named operator authorizes (name of transporter) <u>Giant Industries</u>		
Transporter's street address <u>P O Bx 12999</u>	City <u>Scottsdale,</u>	State <u>AZ</u>
Field address <u>P O Bx 256 (Bloomfield Hwy) Farmington, N M 87499</u>		
Oil, condensate, gas well gas, casinghead gas		
To transport	<u>100% of the</u>	<u>oil</u> from said lease.
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change. <u>Change of Oper.</u>		

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

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

Date Aug. 11, 1995

Quincy Wickersham
Signature

Date approved: AUG 16 1995

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: *Steven L. Rain*

Permit No. 484

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. 5

**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 14-20-0603-8822 Navajo C	Field Dineh-Bi-Keyah	Reservoir Hermosa
Survey or Sec-Twp-Rge S 33 - T 36 N - R 30 E	County Apache	State Arizona
Operator Kerr-McGee Corporation		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street P. O. Box 250	City Amarillo	State Texas, 79189
Above named operator authorizes (name of transporter) Gary-Williams Energy		
Transporter's street address 370 17th St., Suite 5300	City Denver	State Colorado, 80202
Field address P. O. Box 159, Bloomfield, NM 87413		
Oil, condensate, gas well gas, casinghead gas		
To transport	100% of the Oil	from said lease.
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change.		

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

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

8/18/92 Date
H. H. Rice Signature H. H. Rice

Date approved: 8-21-92

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Steven L. Ranz

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.

WELL STATUS REPORT AND GAS-OIL RATIO TESTS

Apache

KEER-MCGEE CORPORATION
215 Petroleum Center Building
Farmington, New Mexico 87401

Field and Location Dinah-M-Keyah, Lower Hermosa

Month September, 1969

Federal, State or Indian Lease Number, or Lessor's Name if fee lease	Permit No.	Well No.	Date of Test	Status	Choke Size	Pressures		Separator Temp.	Dully Allowable	Length of Test (Hrs.)	Production During Test			Gas-Oil Ratio Cu. Ft. Per Bbl.	
						Ths.	Clas.				Wtr. Bbls.	Crav. Oil	Oil Bbls.		Gas MCF
Navajo															
14-20-0603-8823	377	1	9-3	P	None	55	0	40		24	16	41.4	628	24	38
	379	2	9-2	P	None	60	0	40		24	75	40.8	705	68	96
	386	3A	9-4	P	None	90	0	10		24	184	42.7	1150	210	183
	384	4	9-3	P	None	110	0	25	100	24	365	42.6	987	19	19
	390	6	9-5	P	None	30	0	20		24	1	42.0	36	7	194
	389	7	9-6	P	None	55	0	20		24	145	41.0	177	22	124
	396	9	9-5	P	None	60	0	18		24	121	42.1	560	83	148
	446	10	9-8	P	None	35	0	5		24	102	42.0	39	11	282
	506	11	9-4	P	None	70	0	11		24	11	42.4	521	119	228
	416	14	9-6	P	None	30	0	26		24	5	42.1	67	23	343
	417	15	9-9	P	None	35	0	6		24	4	41.7	41	11	263
	419	16	9-10	P	None	35	0	3		24	6	42.1	46	7	152
Navajo "B"															
14-20-0603-8889	455	1A	9-2	P	None	65	0	40		24	103	41.8	471	45	96
Navajo "C"															
14-20-0603-8822	484	1	9-9	P	None	30	0	20		24	1	38.2	6	2	333
Navajo "F"															
14-20-0603-8824	427	1	9-11	P	None	10	0	13		24	0.3	32.3	0.7	61	87,143

All Tests Reported herein were made in accordance with the Applicable Rules, Regulations and Instructions of the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury state that I am the **Field Superintendent** of the **KEER-MCGEE CORPORATION** (company), and that I am authorized by said company to make this report; and 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.

September 15, 1969

- 1 Ariz
- 2 USGS
- 1 Tribe
- 1 JFilsber
- 1 RWKling

Signature C. J. Breeden

- 4 Amar (Nav, Nav B, Nav C, Nav F)
- 4 Farm (Nav, Nav B, Nav C, Nav F)

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Well Status Report and Gas-Oil Ratio Test

File Copy

Form No. 1



hsh

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 GAS WELL DRY Other

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

2. NAME OF OPERATOR
KERR-McGEE CORPORATION

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

4. LOCATION OF WELL (Report location clearly and in accordance with BLM requirements)
At surface 2310' FSL and 330' FWL (NWSN) Sec 33, T36N, R30E
At top prod. interval reported below SAME
At total depth SAME

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "C"

9. WELL NO.
1

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 33, T36N, R30E G&SRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO. DATE ISSUED
1-15-69

15. DATE SPEC'D 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RES, RT, GR, ETC.)* 19. ELEV. CASINGHEAD
2-11-69 2-23-69 6-16-69 7939' GR Same

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
3590' 3547' 0 0-3590' None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
3452' to 3501' Lower Hermosa Intrusive No

26. TYPE ELECTRIC AND OTHER LOGS RUN IES and GR-Sonic 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT. C.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8" OD	32.30	328'	13 3/4"	150 sxs with 4% gel, 50 sxs without gel	None
7" OD	20	3590'	8 3/4"	150 sxs 50-50 pozmix	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	PACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 7/8" OD	3540'	None

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3459-68' with 1 Jet per foot	
3468-82' with 2 jets per foot	
3482-96' with 1 jet per foot,	
all 0.48" holes	
3459-3496'	1500 gal Acetic Acid
3459-3496'	1500 gal 3% HF Acid
3459-3496'	80,220 gal crude, 72,000# 10-20 sd

33. PRODUCTION: DATE FIRST PRODUCTION 6-16-69 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping, 2 1/2" x 1 1/4" x 10" x 14" National RHBC Insert WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-22-69	24	None	12	12	2	1	167
10	15		12			1	39

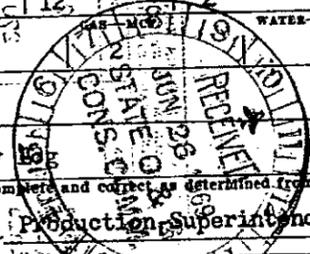
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

35. LIST OF ATTACHMENTS
Induction-Electric Log and Sonic-Gamma Ray Log

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

SIGNED C. D. Williams TITLE Production Superintendent. DATE June 25, 1969

Distribution: 2 USGS X2 Ariz 1 Tribe 1 JFisher 1 RWKing 1 WRF 1 RF



POTENTIAL TEST AND REQUEST FOR ALLOWABLE - OIL WELLS

DESIGNATE TYPE OF COMPLETION:

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

Other Reason For Filing:

KERR-McGEE CORPORATION

Operator

215 Petroleum Center Building

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
14-20-0603-8822	NAVAJO "C"	Apache

Footage Location
2310' FSL and 330' FWL (NWSW)

Sec. Twp. Rge.
Sec. 33, T36N, R30E

Date spudded	Date completed, ready to produce	Total depth	P.B.T.D.
2-11-69	6-19-69	3590'	3547'
Field and reservoir	Top of pay	Producing interval	
Dineh-bi-Keyah Lower Hermosa Intrusive	3452'	3459'-3496'	

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.
6-16-69	6-23-69	24 hrs.	Pump	All recovered
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		
60		1 1/4" plunger, 34" stroke, 15 SPM		
Tubing pressure	Casing pressure	Choke size		
10	15	None		
*Actual production during test:	Oil (bbls)	Water (bbls)	Gas (MCF)	
13 bbls	12	1	2	
*Production must actually equal or exceed wells daily allowable or test must be for full 24 hours				
Gas-oil ratio	Oil gravity	* A.P.I. corrected		Name of transporter of oil
167	39			Kerr-McGee Pipeline Corporation
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	one	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 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 25, 1969

Date

Signature C D Williams

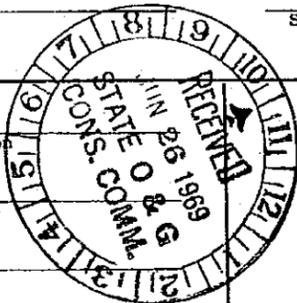
Witnessed by: _____ Organization _____

Signature _____

Date _____

Permit No. 484

Form No. 6



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Potential Test & Request for Allowable—Oil Wells

File One Copy

1 Ariz 1 JIFisher 1 WRF
1 Tribe 1 RWKing 1 RF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R714.4
Approval expires 12-31-60.

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-0603-8822
NAVAJO "C" LEASE

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Arizona County Apache Field Dineh-bi-Kayah
The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1969,
Agent's address 215 Petroleum Center Building Company Kerr-McGee Corporation
Farmington, New Mexico 87401 Signed William Morris
Phone 327-9637 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	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)
M5W, 33	36N	30E	1	0	None.					Set pumping unit 3-16-69. Pumping back load oil. Have recovered 1844 bbls. Well pumping at rate of approx 16 BPD with 10% BSAW. Have 206 bbls lead oil left to recover.
S5W, 33	36N	30E	2	0	None.					SI gas well

2 USGS, Roswell
2 Ariz
1 Tribe
1 JIFisher
1 WRF
1 RF, WM
1 RF, CIM

484



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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R714.4
Approval expires 12-31-60.

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-0603-8822
Navajo "C" Lease

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 April, 1969.

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

Farrington, New Mexico 87401 Signed William Morris

Phone 327-9637 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE 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)
NWSW, 33	36N	30E	1		None.					Set pumping unit 3-16-69. Have recovered 1285 bbls load oil
SESW, 33	36N	30E	2		None.					SI gas well

484

2 USGS, Rowell
2 Arizona
1 Tribe
1 JIFisher
1 WRF
1 RF



NOTE.—There were _____ runs or sales of oil; _____ 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

ALLOTTEE NAVAJO
TRIBE 14-20-0603-8822
LEASE NO. NAVAJO "C" LEASE

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Arizona County Apache Field Dineh-bi-Kayah

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1969,

Agent's address 215 Petroleum Center Building Company Kerr-McGee Corporation
Farmington, New Mexico 87401 Signed G E Roth G E Roth
Phone 327-9637 Agent's title Production Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE 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)
<u>484</u> NSW, 33	<u>36N</u>	<u>30E</u>	<u>1</u>		<u>None.</u>					Test csg to 2500 psi for 30 min, hold OK. Perf 3459-68' with 1 JPF, 3468-82' with 2 JPF, and 3482-96' with 1 JPF. Acidized with 1500 gal acetic acid. Max press 1500 psi, avg press 1000 psi, avg inj rate 3.5 EPM. Swab tubing dry, no recovery. Acidized with 1500 gal 3% HF Acid. Max press 1100 psi, avg press 800 psi, avg inj rate 4 EPM. Swab tbg dry, recovered est 65 gal oil and 25 gal acid wtr. Fraced 3-2-69 with 80,220 gal crude, 72,000# 10-20 sand and 3500# Adomite. Max press 2050 psi, avg treating press 1850 psi, avg inj rate 71 EPM. Swab tested well for 8 days. Rec 235 bbls lead oil. Ran rods & btn hole insert pump. Set pumping unit on 3-16-69. Have recovered 640 bbls lead oil.
SEW, 33	36N	30E	2		None.		SI gas well			

2 USGS, Roswell
2 Aris
1 Tribe
1 JIFisher
1 WRF
1 RF



NOTE.—There were no runs or sales of oil; no M. cu. ft. of gas sold;

no 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 9-331
(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.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-8822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Navajo #2

8. FARM OR LEASE NAME

Dinohibi-Kayah

9. WELL NO.

See 33, T36N, R30E GASRM

10. FIELD AND POOL, OR WILDCAT

11. SEC. T., R., M. OR BLM. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

Apache Arizona

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 GAS WELL OTHER

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Building, 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
2310° FSL and 330° FWL (MWSW) Sec 33, T36N, R30E

14. PERMIT NO.
484

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
7931° GR

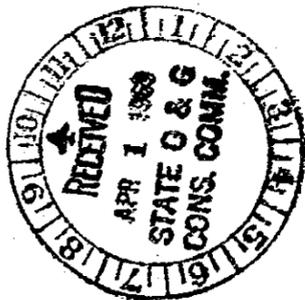
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONING WELL <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Testing</u> <input checked="" type="checkbox"/>	

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

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

Swab tested well for 8 days. Recovered 235 bbls of lead oil. Ran rods and bottom hole insert pump. Set pumping unit on 3-16-69. Have recovered 640 bbls of lead oil.



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

SIGNED G. E. Roth TITLE Production Engineer

(This space for Federal or State office use)

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

DATE March 31, 1969

- 2 USGS
- 2 Aris
- 1 Tribe
- 1 JFisher
- 1 WRF
- 1 RF

484

*See Instructions on Reverse Side

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 GAS WELL OTHER

2. NAME OF OPERATOR
Kerr-McCree Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Building, 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
2310' FSL and 330' FWL (MSW) Sec 33, T36N, R30E

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "C"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Blush-Hi-Layah

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
Sec 33, T36N, R30E GASRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO.
State No. 484

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7931' GR

13. 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"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Perforating	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

(NOTE: Report results of multiple completion or 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 and 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.)

Test casing to 2500 psi for 30 minutes. Hold OK. Perf 3459-68' with 1 JPE, 3468-82' with 2 JFF, and 3482-96' with 1 JPE. Acidized with 1500 gal acetic acid. Max press 1500 psi, average press 1000 psi, average injection rate 3.5 BPM. Swab tubing dry, no recovery. Acidized with 1500 gal 3% HF Acid. Max press 1100 psi, average press 800 psi, average injection rate 4 BPM. Swab tubing dry, recovered estimated 65 gal oil and 25 gal acid water. Frac with 80,220 gal crude and 72,000# 10-20 sand and 3500# Adomite. Max press 2050 psi, average treating press 1850 psi, average injection rate 7.1 BPM. Frac performed 3-2-69.



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

SIGNED C. D. Williams TITLE Production Superintendent DATE March 3, 1969

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 2 USGS
- 2 Ariz
- 1 Tribe
- 1 JFisher
- 1 WRF
- 1 RF

484

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

ALLOTTEE _____
TRIBE NAVAJO
LEASE NO. 14-20-0603-8822
NAVAJO "C" LEASE

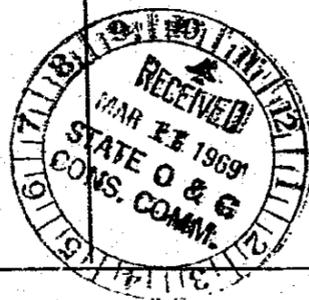
LESSEE'S MONTHLY REPORT OF OPERATIONS

State Arizona County Apache Field Diach-hi-Kayah
The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1969.
Agent's address 215 Petroleum Center Building Company LYRE MOORE CORPORATION
Farrington, New Mexico 87401 Signed [Signature]
Phone 327-9637 Agent's title Production Superintendent

SEC. AND 1/4 OF 1/4	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)
<u>SEW, 33</u>	<u>36N</u>	<u>30E</u>	<u>1</u>		<u>None.</u>					<u>Spud 2-11-69. Drilled 13 3/4" hole to 328' and set 9 5/8" OD 32.30# E-40 casing with 150 mm cement. Ripple up BOP. Tested casing to 1000 psi for 30 min. Casing OK. Drilled 8 3/4" hole to 3590' and set 7" OD 20# K-55 casing with 150 mm cement. Move rotary off location. Moved in DD unit for completion.</u>
<u>SEW, 33</u>	<u>36N</u>	<u>30E</u>	<u>2</u>		<u>None.</u>					<u>BI gas well</u>

#484
2

- 2 USGS, Roswell
- 2 Aris
- 1 Tribe
- 1 J. Fisher
- 1 WHP
- 1 RP



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.

**OPERATOR 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 Navajo "C" 14-20-0603-8822	Field Dineh-bi-Keyah	Reservoir Lower Hermosa (Intrusive)
Survey or Sec-Twp-Rge Secs 27, 28, 33, 34 T36N, R30E	County Apache	State Arizona
Operator KERR-McGEE CORPORATION		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street 215 Petroleum Center Building	City Farmington	State New Mexico 87401
Above named operator authorizes (name of transporter) Kerr-McGee Pipeline Corporation		
Transporter's street address Kerr-McGee Building	City Oklahoma City	State Oklahoma 73102
Field address Post Office 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. New lease.		

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.

February 25, 1969
Date

[Signature]
Signature

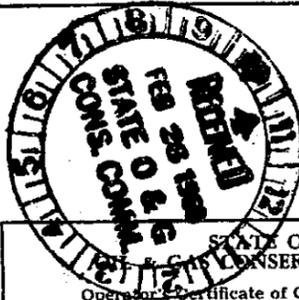
Date approved: 2-27-69
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: John Rannister

Permit No. 484

2 Ariz 2 USGS
1 Tribe 1 JIFisher
1 WRF 1 RF

484



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

Form 9-311
(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.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8822

6. INDIAN ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. SPERM OR LEASE NAME
Navajo "C"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Dinah-Ki-Kayah

11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA
Sec 33, T36N, R30E GASRM

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

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 GAS WELL OTHER

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Building, 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
2310' FSL and 330' FWL (MWSM) Sec 33, T36N, R30E

14. PERMIT NO.
State No. 484

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7931' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) **Total depth**

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Completion 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 3590' and set 7" OD 20# K-55 ST&C casing at TD. Cemented with 150 sacks 50-50 pozmix with 2% gel. Used pump and plug method. Plugged down 1 P.M. 2-25-69. Will move out rotary and move in TD unit for completion.



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

SIGNED **C D Williams**

TITLE **Production Superintendent**

(This space for Federal or State office use)

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

- 2 USGS
- 2 Ariz
- 1 Tribe
- 1 JFisher
- 1 WRF
- 1 RF

*See Instructions on Reverse Side

Ken Mc Gee Col

2-13-69

Jf

Telephone Bud Williams:

Spud 2-11-69

Set 978 w/200 sx @ 328'

3-13-69

Telephone Bud Williams: Top black sh 3448,

Top sill 3452,

KB elevation

Running structurally high-

C-1 Currently swabbing 30-40 bbls load
air per day. No wire. Prep to put
on pump.

984

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT 1 COPIPLICATE*
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-8822

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "C"

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Dinah-Hi-Kayah

11. SEC., T., R., M., OR BLM. AND SURVEY

Sec 33, T36N, R30E GASRM

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 GAS WELL OTHER

2. NAME OF OPERATOR
Kerr-McGee Corporation

3. ADDRESS OF OPERATOR
215 Petroleum Center Building, 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
2310' FSL and 330' FWL (NWSW) Sec 33, T36N, R30E

14. PERMIT NO.
State No. 484

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7931' GR

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Spud

SUBSEQUENT REPORT OF:

REPAIRING WELL
ALTERING CASING
ABANDONMENT

(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.)*

Move in Loffland Brothers Rig No. 20. Spud 5:30 PM 2-11-69. Drilled 13 3/4" hole to 328' and set 9 5/8" OD 32.30# H-40 casing at TD. Cemented with 150 sacks Class A with 4% gel, 2% CaCl and 1/4# floccule per sack, followed by 50 sacks without gel. Used plug and plug method. Circulated cement. Plug down 1:15 AM 2-13-69. Released pressure. Float held OK. Nipple up 10" S/900 Shaffer double BOP. After WOC 12 hrs, tested casing and BOP to 1000 psi for 30 minutes. Held OK. Drilling 8 3/4" hole before surface casing.



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

SIGNED C. D. Williams

TITLE Production Superintendent

DATE 2-11-69

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 2 USGS
- 2 ARIZ
- 1 Tribe
- 1 JIFisher
- 1 WRF
- 1 BF

10 484

*See Instructions on Reverse Side

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

KERR-McGEE CORPORATION

NAME OF COMPANY OR OPERATOR

215 Petroleum Center Building, Farmington, New Mexico 87401

Address

Unknown

Drilling Contractor

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor 14-20-0603-8822 Navajo "C"	Well number 1	Elevation (ground) 7931' (Ungraded)
Nearest distance from proposed location to property or lease line: 330 feet	Distance from proposed location to nearest drilling completed or applied for well on the same lease: 1476 feet	
Number of acres in lease: 2560	Number of wells on lease, including this well, completed in or drilling to this reservoir: One	
If lease, purchased with one or more wells drilled, from whom purchased: N/A	Name	Address
Well location (give footage from section lines) 2310' FSL and 330' FWL	Section—township—range or block and survey Sec 33, T36N, R30E G&SRM	Dedication (Comply with Rule 105) SW 1/4 Sec. 33
Field and reservoir (if wildcat, so state) Dineh-bi-Keyah Lower Hermosa	County Apache	
Distance, in miles, and direction from nearest town or post office 9 miles SW of Red Rock, Arizona		
Proposed depth: 3650'	Rotary or cable tools Rotary	Approx. date work will start 2-1-69
Bond Status: Blanket bond Amount	Organization Report On file <input checked="" type="checkbox"/> Or attached	Filing Fee of \$25.00 Attached Yes

Remarks:
New well
Covered by Commission Order No. 21

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.



C D Williams
Signature C D Williams
January 14, 1969
Date

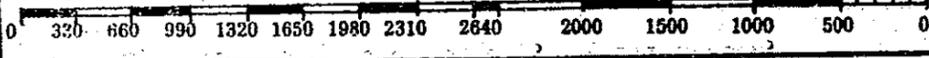
Permit Number: 484
Approval Date: 1-15-69
Approved By: *John Rannister*

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

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

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

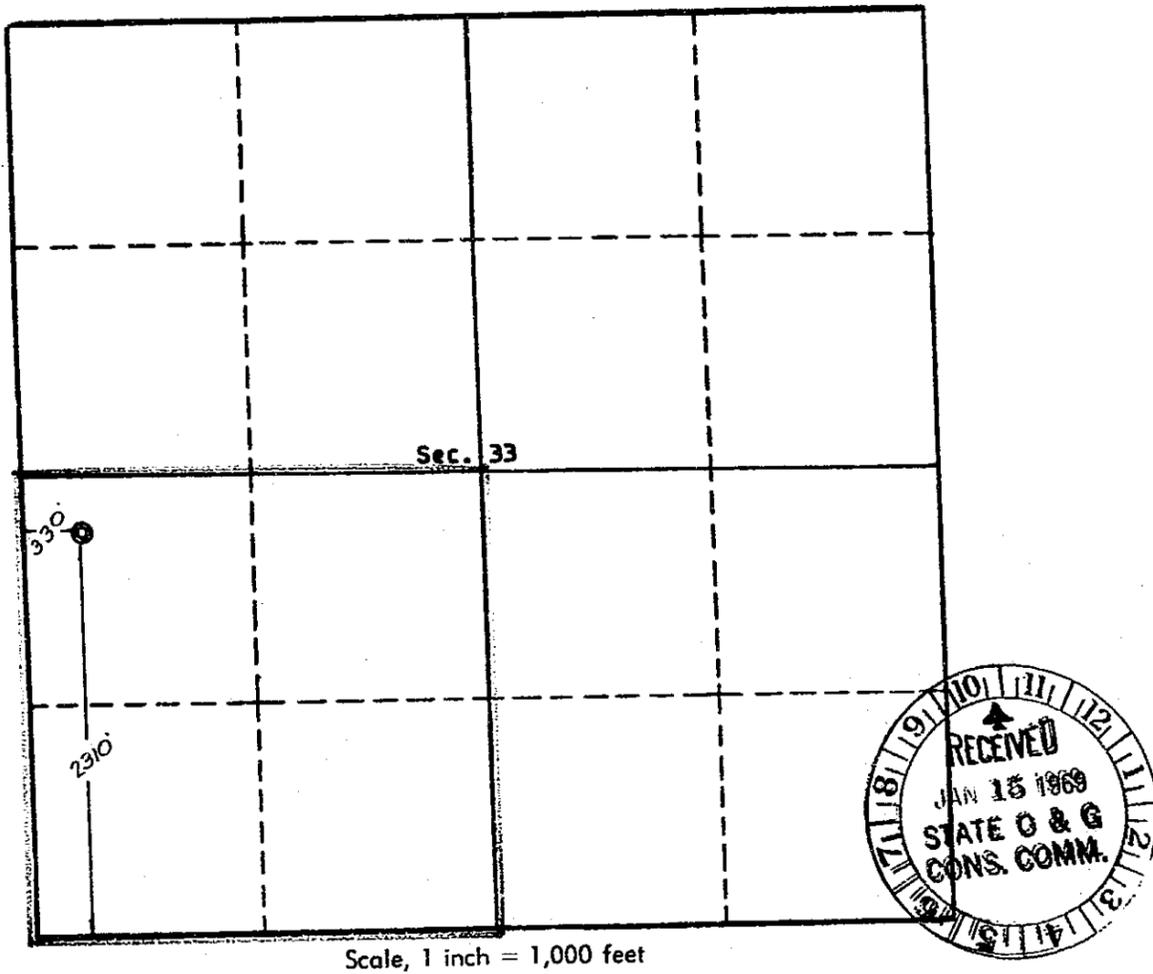
Owner	Land Description
SEE ATTACHED SURVEY PLAT	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: right;"><i>C D Williams</i></p> <p>Name <u>C D Williams</u></p> <p>Position <u>Production Superintendent</u></p> <p>Company <u>Kerr-McGee Corporation</u></p> <p>Date <u>January</u>, 1969</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 _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>



PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32.20#	H-40 ST&C	0	250'	0-250	Sufficient to circulate cover all potential productive zones
7"	20#	J-55 ST&C	0	3650'	Sufficient to	

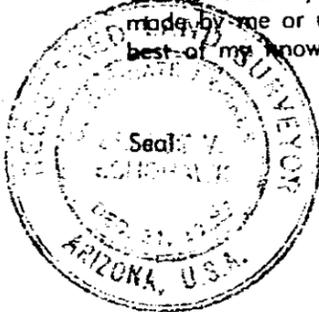
Company KERR-McGEE CORPORATION
Well Name & No. Navajo C #1
Location 2310 feet from the South line and 330 feet from the West line.
Sec. 33, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona
Ground Elevation 7931, ungraded.



Scale, 1 inch = 1,000 feet

Surveyed December 13, 19 68

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.



484

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



PERMIT TO DRILL

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

To: KERR-MCGEE CORPORATION
(OPERATOR)

to drill a well to be known as

KERR-MCGEE #C-1 NAVAJO
(WELL NAME)

located 2310' FSL - 330' FWL

Section 33 Township 36N Range 30E Apache County, Arizona.

The SW/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 15th day of JANUARY, 19 69.

OIL AND GAS CONSERVATION COMMISSION

By John Bannister
EXECUTIVE SECRETARY

PERMIT N^o 484

RECEIPT NO. 9566

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

API NO. 02-001-20092
SAMPLES ARE REQUIRED

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:

<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

484

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
DATE _____

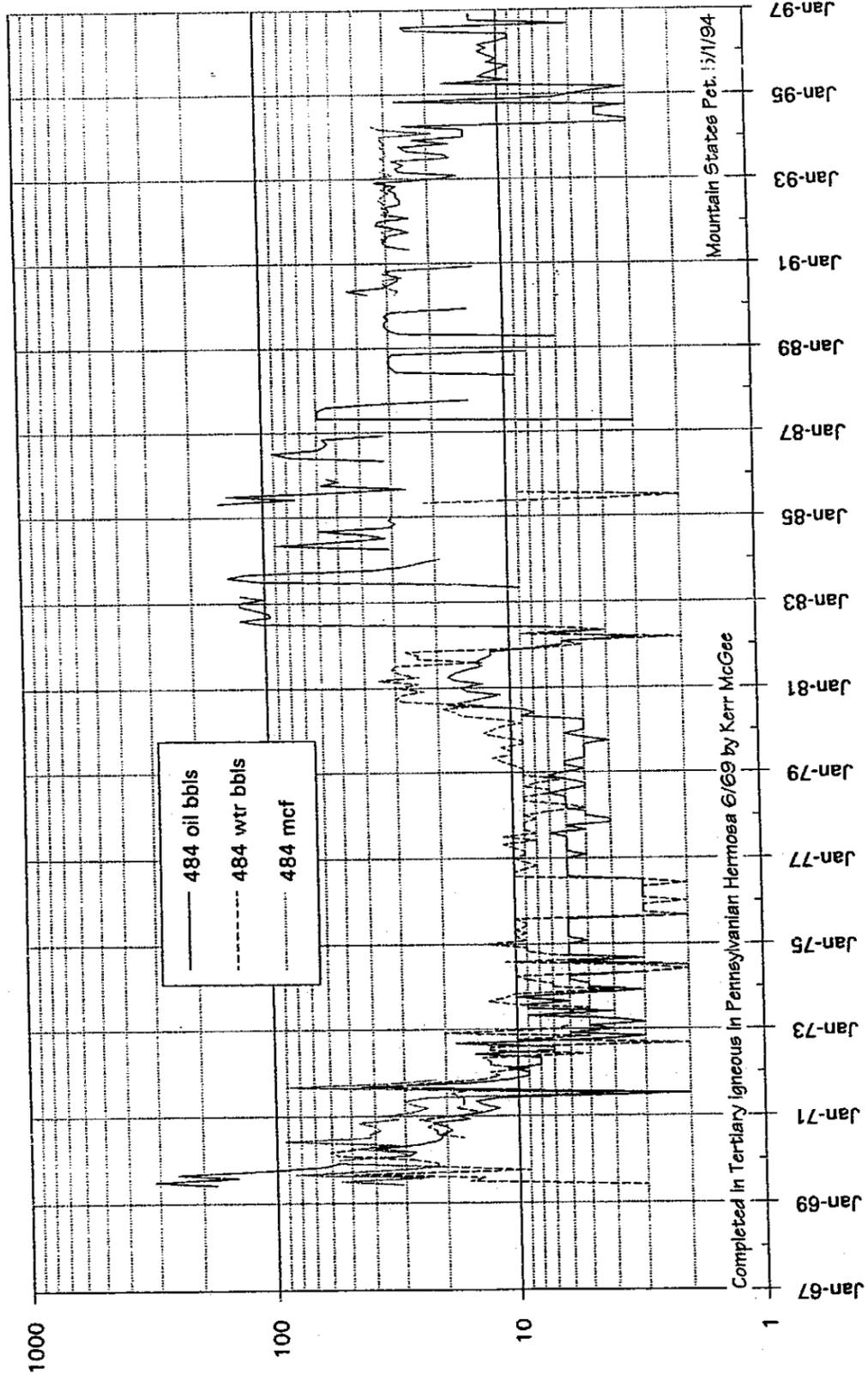
CANCELLED

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 1 NAVAJO-C (484), ARIZONA: JUN 1969 - DEC 1996
 nw sw 33-36n-30e, Dinoh-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

484

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:	K E R R M C G E E C O R P O R A T I O N

NEW INFORMATION:	
MMS OPERATOR CODE:	X 0 2 7 4
COMPANY NAME:	M O U N T A I N S T A T E S P E T R O L E U M C O R P
CONTACT NAME:	R U B Y W I C K E R S H A M
STREET ADDRESS:	2 1 3 E F O U R T H
CITY:	R O S W E L L
STATE:	N M
PHONE:	5 0 5 6 2 3 - 7 1 8 4
	ZIP CODE: 8 8 2 0 1 -
	AREA CODE

COMPLETE IF APPLICABLE:	
<input type="checkbox"/>	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 # C-1 (484)	AZ OIL & GAS CONSERVATION COMMISSION
Dineh Bi Keyah Field - Apache County, Arizona	JUN 8 1994
Lease #: 14-20-0603-8822	API #: 020012009200S1
COMMENTS: This property was sold to Mountain States Petroleum Corp. and they became operator effective May 1, 1994.	

SIGNATURE:	<i>Judy Bushkett</i>
DATE:	5/13/94

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

P. O. BOX 1936

505 623-7184

MOUNTAIN STATES PETROLEUM CORPORATION

213 EAST FOURTH STREET
ROSWELL, NEW MEXICO
88202

June 6, 1994

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

**AZ OIL & GAS
CONSERVATION COMMISSION**

JUN 8 1994

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

Re: Dineh-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

484

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

RECEIVED
CONSERVATION COMMISSION

MAY 31 1994

484

WPA



KERR-MCGEE CORPORATION

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

November 5, 1973

PHONE
806 376-7256

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
Warren E. Richardson
District Manager
Southwestern District

WER/mm

RECEIVED

NOV 15 1973

O & G CON. COMM.

484



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



OFFICE OF

Oil and Gas Conservation Commission

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

March 12, 1973

Mr. Ted Strickland
Rocky Mountain Well Log Service Co.
1753 Champa Street
Denver, Colorado 80202

Re: Republic Mineral Corp.
Navajo - E2X/File #571
19-36N-30E - Apache County

R. Y. Walker
#1 Navajo/File #574
20-36N-18E-Navajo County

Kerr-McGee Corp.
#1-"C" Navajo/File #484
33-36N-30E - Apache County

Desert Drilling Co. (Keoughan Drlg. Co.)
#1 State/File #156
16-7S-13W - Yuma County

Dear Mr. Strickland:

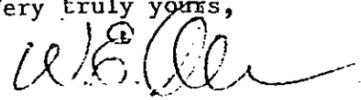
We are forwarding, on loan, the following logs that you have requested on the above referenced wells:

Republic Minerals Corp. -	Compensated Formation Density Log Induction - Electrical Log
Kerr-McGee Corp. -	Induction - Electrical Log Borehole Compensated Sonic Log - Gamma Ray
R. Y. Walker -	Caliper Log Induction-Electrical Log Gamma Ray-Neutron
Desert Drilling Co. - (Keoughan Drlg. Co.)	Two Acoustilog Logs Induction Electrolog

The logs on the two Humble Oil & Refining Wells you requested are confidential until September 13, 1973.

It will be appreciated if you will return these logs as quickly as possible.

Very truly yours,


W. E. Allen, Director
Enforcement Section

WEA/rlb

Rocky Mountain Well Log Service Co.

1753 Champa Street

266-0588 Area Code 303

DENVER, COLORADO

80202

BOB ANDREWS, Division Manager



March 8, 1973

CASPER, WYOMING

BOB FITZGERALD
PETR. BLDG. ARCADE
PHONE 234-6921

Arizona Oil & Gas Conservation Commission

Attn: W. E. Allen
4515 North 7th Ave
Phoenix, Arizona 85013

MIDLAND, TEXAS

DAVID CLARK
105 WEST WALL
PHONE 482-0531

Gentlemen:

May we please borrow the following logs from you?

Republic Mineral Corp.
Navajo - E2X
19-36N-30E

Kerr-McGee Corp.
#1-"C" Navajo
33-36N-30E

Humble O & R
#1-14 State
25-3S-11W

R. Y. Walker
#1 Navajo
20-36N-18E

Humble O & R
#1-74 State
2-8S-8E

Keoughan Drlg. Co.
#1 State
16-7S-13W

Please find enclosed a postage-paid, self-addressed envelope for your convenience.

Thank you for your cooperation in advance.

Sincerely,

Ted Strickland

Ted Strickland

TLS:ck

RECEIVED

MAR 12 1973

O & G CONS. COMM.

484



215 Petroleum Center Building
Farmington, New Mexico 87401

June 25, 1969

Arizona Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Attention Mr. John Bannister

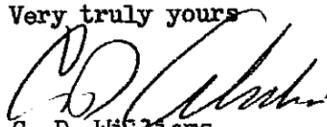
In re Navajo "C" Well No. 1
NWSW, Sec 33, T36N, R30E
Dineh-bi-Keyah Field
Apache County, Arizona

Gentlemen

Enclosed please find two copies of Arizona Commission Form No. 4, Well Completion Report, and one copy of Form No. 6, Potential Test, for the captioned well.

Also enclosed are one copy each of the logs run on the well. One copy each of the logs were filed with the Commission on March 13, 1969.

Very truly yours


C. D. Williams
Production Superintendent

CDW/lm

CC: Navajo Tribe Minerals Department
Window Rock, Arizona



484



KERR-MCGEE CORPORATION

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

March 31, 1969

Arizona Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Attention Mr. James A. Lambert, Administrative Assistant

In re Navajo "C" No. 1
Sec 33, T36N, R30E
Apache County, Arizona
Permit No. 484

4⁴ Gentlemen

file need 3/4/69
In reply to your letter of March 25, enclosed are two copies of the Sundry Notice mailed on March 3, 1969, and two copies of Sundry Notice of activity during the month of March, 1969.

Very truly yours

G. E. Roth
G. E. Roth
Production Engineer

GER/lm

Enclosures



484

X-Cheno Log
X-Lambert Log

March 25, 1969

Mr. C. D. Williams
Kerr-McGee Corporation
215 Petroleum Building
Farmington, New Mexico 87401

Re: Kerr-McGee #C-1 Navajo
T36N, R30E, G & SRM
Sec. 33: NW/4 SW/4
Apache County, Arizona
Permit #484

Dear Mr. Williams:

The last Sundry Notice reporting activities on the captioned well was dated February 27, 1969. Please keep us currently informed as to your activities.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

484



KERR-McGEE CORPORATION

KERR-McGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

215 Petroleum Center Building
Farmington, New Mexico 87401

March 13, 1969

Arizona Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

In re Navajo "C" No. 1
Sec 33, T36N, R30E
Dineh-bi-Keyah Field
Apache County, Arizona

Attention Mr. Jim Scurlock

Gentlemen

Enclosed please find a copy of the Induction Electric Log and the Sonic Log Gamma Ray for Navajo "C" No. 1. Some of the formation tops have been marked on the large scale of the IE Log.

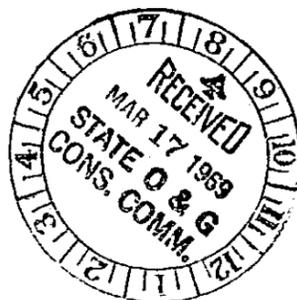
As discussed over the telephone, we have been swabbing load oil from the well at the rate of 30-40 BPD. We plan to release the swab unit and install a small pumping unit in the next few days.

Sincerely yours

C. D. Williams
Production Superintendent

CDW/lm

Enclosures



4841

X-Lambert Log
X-Chrono Log

March 3, 1969

Mr. C. D. Williams
Kerr-McGee Corporation
215 Petroleum Center Building
Farmington, New Mexico 87401

Re: Kerr-McGee #C-1 Navajo
T36N, R30E, G & SRM
Sec. 33: NW/4 SW/4
Apache County, Arizona
Permit #484

Dear Mr. Williams:

Enclosed please find the Certificate of Compliance and the request to meter and commingle oil production from the Navajo C Lease both of which have been approved by this Commission.

Please submit the Well Completion Form at such time as the well is completed. Take note that we require both sides of the form to be completed.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc.

484

Samples from the Kerr McGee, #1-C Najo
Sec. 33-36N-30E
Apache Co, Arizona
were delivered to this office on 2-25-69.

Mrs. J. Ratchoff

FOUR CORNERS SAMPLE CUT ASSOCIATION
P. O. BOX 899
FARMINGTON, NEW MEXICO

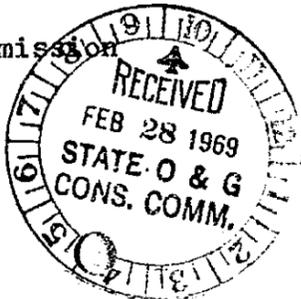
484

Four Corners Sample Cut
P.O.Box # 899
Farmington, New Mexico



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

85007



Attn: Jim Scurlock

 **KERR-MCGEE CORPORATION**

215 Petroleum Center Building
Farmington, New Mexico 87401

February 25, 1969

United States Geological Survey
Post Office Drawer 2857
Roswell, New Mexico 88201

Arizona Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Attention Mr. John Anderson

Attention Mr. John Rannister

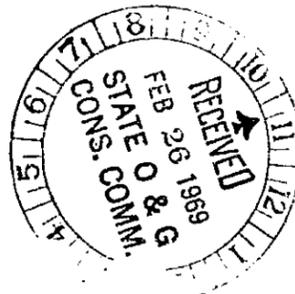
4v
In re Commingled Oil Production
Navajo "C" Lease
Dineh-bi-Keyah Field
Apache County, Arizona

Gentlemen

In anticipation of oil production from the Navajo "C" Lease which is Navajo Lease Contract No. 14-20-0603-8822, comprising Sections 27, 28, 33, and 34, T36N, R30E, Navajo Reservation, Apache County, Arizona, Kerr-McGee Corporation respectfully requests permission to meter and commingle production from the Navajo "C" Lease with the present production from the Navajo Lease (No. 14-20-0603-8823) and the Navajo "B" Lease (No. 14-20-0603-8889).

Enclosed please find a schematic diagram with the proposed separator-metering hookup. The meter to be used is a Floco Model F 500-3 positive displacement meter. A 500-barrel tank will be set near the separator and meter to test and calibrate the meter. After passing through the separator and Floco meter, the oil will go to the Pipeline Gathering System of Kerr-McGee Pipeline Corporation which is gathering the production from the other leases in the Dineh-bi-Keyah Field. The working and royalty interest of the Kerr-McGee Navajo Lease, the Navajo "B" Lease, and the Navajo "C" Lease are identical. Granting of this request would minimize the possibility of well shut-down due to the inaccessibility of the location during adverse weather conditions.

The proposed separator-metering facilities are identical to the facilities for the Navajo "B" Lease which were approved by the United States Geological Survey and the Arizona Oil and Gas Conservation Commission. Production has not yet commenced on the "C" Lease, but Kerr-McGee is presently in the process of running casing on the Navajo "C" Well No. 1. Your earliest possible approval of this proposal will be appreciated.

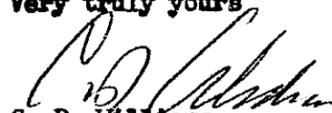


February 25, 1969
Page 2

4v

If additional information is needed, please advise.

Very truly yours


C. D. Williams
Production Superintendent

CDW/lm

Enclosure

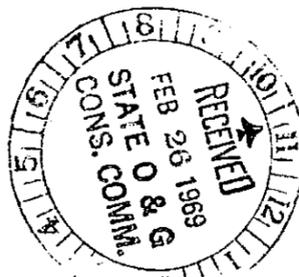
CC/E: Navajo Tribe Minerals Department

OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
1624 WEST ADAMS - SUITE 202
TELEPHONE 271-5181
PHOENIX, ARIZONA 85007

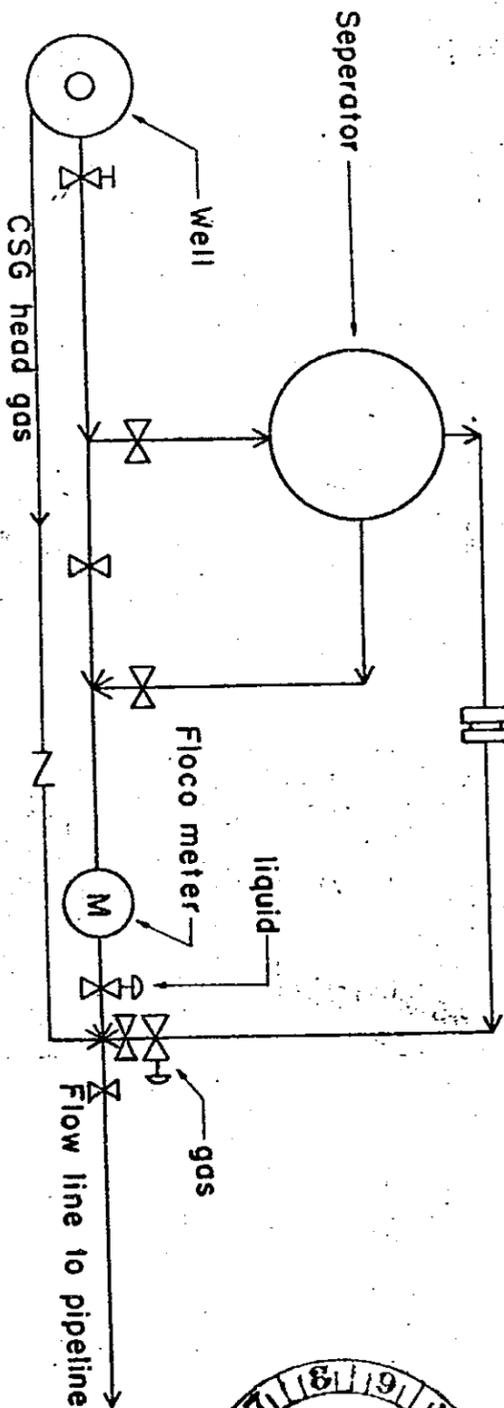
Approved: _____

By: John J. Gannister

Date: 2-27-69



Orifice meter flanges with orifice plate & quick air type disconnects to connect portable bellows type orifice meter.



⊥ — High pressure shut down switch - max. 125 lbs.

⊗ — Back pressure valve

⊗ — Valve

∑ — Check valve

All pipe valves & fittings - 125 PSI quality

DINEH-bi-KEYAH FIELD
 WELL PRODUCTION FACILITIES
 SKEMATIC - by E.L.C. & WER.

January 15, 1969

Mr. C. D. Williams
Kerr-McGee Corporation
215 Petroleum Center Building
Farmington, New Mexico 87401

Re: Kerr-McGee #C-1 Navajo
T36N, R30E, G & SRM
Sec. 33: NW/4 SW/4
Apache County, Arizona
Permit #484

Dear Mr. Williams:

Enclosed is the approved Application for Permit To Drill, our receipt #9566, and our Permit To Drill No. 484.

We enclose miscellaneous instruction sheets pertaining to well samples and reports required by this office.

Yours truly,

James A. Lambert
Administrative Assistant

jf

Enc.

484



215 Petroleum Center Building
Farmington, New Mexico 87401

January 14, 1969

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

In re Application for Permit to Drill
Navajo "C" No. 1 Well
NWSW of Sec 33, T36N, R30E
Dineh-bi-Keyah Field
Apache County, Arizona

Attention Mr. John Bannister

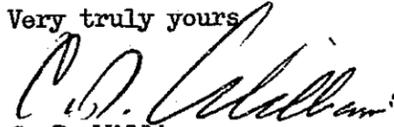
Gentlemen

Please find enclosed two copies of Form No. 3, Application for Permit to Drill, for our Navajo "C" Well No. 1, two copies of Surveyor's Plat for the location of the well, and a draft for \$25.00 to cover the filing fee.

In April, 1967, a well called Navajo "C" No. 1 was permitted for the SESW of Section 33. This permit (No. 397) expired in January, 1968.

Your approval of this application to drill Navajo "C" No. 1 well at this new location is requested.

Very truly yours


C. D. Williams
Production Superintendent

lm
Enclosures

CC/E: Navajo Tribe Minerals Department
Window Rock, Arizona

