

CONFIDENTIAL
Release Date _____

P-11

KERR MC GEE #3 NAVAJO 380
SESE 32-36N-30E Apache County

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator Kerr-McGee Corporation		Address P.O. Box K, Sunray, Texas 79086	
Federal, State or Indian Lease Number or name of lessor if fee lease 14-20-0603-8823 Navajo		Well Number 3	Field & Reservoir Wildcat
Location 950° FSL and 350° FEL of		County Apache	
Sec. TWP-Range or Block & Survey Section 32, T36N, R-30E, Apache County, Arizona			
Date spudded 2-28-67	Date total depth reached 3-4-67	Date completed, ready to produce ---	Elevation (DF, RKB, RT or Gr.) feet 8,017' GR
Total depth 1,853'	P.B.T.D. 3'	Single, dual or triple completion? Dry	Elevation of casing hd. flange feet ---
Producing interval (s) for this completion None		Rotary tools used (interval) All	Cable tools used (interval) None
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed? no	Date filed
Type of electrical or other logs run (check logs filed with the commission) None			Date filed

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	15"	10 3/4"	32.75	407	475	None

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
None	None	None	None	None	None	None	None

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
None	None	None	None	None

INITIAL PRODUCTION

Date of first production None		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)				
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
None	None	None	None	None	None	None
Tubing pressure	Casing pressure	Cal'cd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio
None	None	None	None	None	None	None

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

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Agent 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 March 11, 1967

Signature [Handwritten Signature]

Permit No. 380

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

RECEIVED
MARCH 13 1967
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
	0	1000'	Sand and Shale
Coconino	1000'	1853'	Sand and Shale
NO CORES OR DST'S RAN:			

* 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:

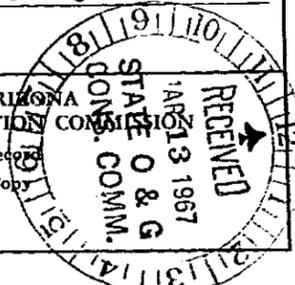
Attach drillers log or other acceptable log of well.

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

PLUGGING RECORD

Operator Kerr-McGee Corporation		Address P.O. Box K, Sunray, Texas 79086			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. 14-20-0603-8823 Navajo		Well No. 3	Field & Reservoir Wildcat		
Location of Well 950' FSL and 350' FEL of Section 32, T36N, R30E				Sec-Twp-Rge or Block & Survey	County Apache
Application to drill this well was filed in name of Kerr-McGee Corporation	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day)		Dry? Yes	
Date plugged: 3-10-67	Total depth 1,853	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)		None None None	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement		
Coconino	Some Water	Top at 1,000' approximately	80 sxs cement from 1,150' - 1,375'		
			35 sxs cement from 370' - 430'		
			10 sxs cement from 3' - 20'		
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
10 3/4	415	None	None 415	-	Guide Shoe
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. Coconino		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address			Direction from this well:	
Humble Oil & Refining Co.	Farmington, New Mexico			South	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Agent</u> of the <u>Kerr-McGee Corporation</u> (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 March 11, 1967		Signature <i>E. J. Breeden</i>			
Permit No. 380		Form No. 10			



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
OPERATOR Kerr-McGee Corporation ADDRESS P.O. Box K, Sunray, Texas 79086
Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease 14-20-0603-8823 Navajo WELL NO. 3
SURVEY G & SRM SECTION 32 COUNTY Apache
LOCATION 350' FEL and 950' FSL of Section 32, T36N, R30E, Apache County, Arizona

TYPE OF WELL Dry TOTAL DEPTH 1,853'
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned) None
LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
GAS None (MCF) DATE OF TEST _____
PRODUCING HORIZON None PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD Set 10 3/4" OD, 32.75#/ft., H-40, St&C Casing at 407'. Cemented with 475 sacks of common plus 2% Calcium Chloride and 1/4# flocele per sack. Circulated out 150 sacks. Plug down at 4 AM, 3-2-67. After waiting on cement 18 hours, tested casing with 1,000# for 30 minutes, Held OK.

2. FULL DETAILS OF PROPOSED PLAN OF WORK An 8 3/4" hole was drilled to 1853'. The Drill pipe was stuck on 3-4-67. Unable to clear hole of fish. Left 26' of one joint of drill pipe and twelve 6 3/4" drill collars. Top of fish at 1,379'. Will set 80 sacks cement plug from 1150' to 1375'. Set 35 sacks cement plug from 370' to 430'. Set 10 sacks cement plug from 3' to 20', mud of 8.9#/gal.* Verbal approval to plug and abandon was obtained by Otto Barton from Mr. John Bannister on 3-10-67
* Mud of 8.9#/gal weight left between plugs.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 3-10-67
NAME OF PERSON DOING WORK Halliburton Inc. ADDRESS Farmington, New Mexico
CORRESPONDENCE SHOULD BE SENT TO C. J. Breeden C.J. Breeden
Name
Title Engineer
Address P.O. Box K, Sunray, Texas 79086
Date 3-11-1967

Date Approved 3-13-67
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Bannister

Permit No. 380

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9



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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*

1. 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
P.O. Box K, Surray, Texas 79086

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **990' FSL and 350' FEL of Section 32, T36N, R30E, Apache County, Arizona**
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
Havajo

7. UNIT AGREEMENT NAME
Havajo

8. FARM OR LEASE NAME
Havajo

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OF AREA
32-T36N-R30E

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO. _____ DATE ISSUED **2-21-67**

15. DATE SPUNDED **2-28-67** 16. DATE T.D. REACHED **3-4-67** 17. DATE COMPL. (Ready to prod.) **4-4-67** 18. ELEVATIONS (DF, REB, RT, CE, ETC.)* **8,017' GR** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **1,853 MD** 21. PLUG, BACK T.D., MD & TVD **3'** 22. IF MULTIPLE COMPL., HOW MANY* **--** 23. INTERVALS DRILLED BY **Rotary** 24. ROTARY TOOLS **All** 25. CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None Well was plugged and abandoned because fish in hole could not be recovered

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
None

27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
10 3/4"	32.75	407'	15"	475 sacks	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
none		

31. PERFORATION RECORD (Interval, size and number)

None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION **None** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____

DATE OF TEST	HOURS TESTED	CHORE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.

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

35. LIST OF ATTACHMENTS
None

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

SIGNED *C. J. Bruden* TITLE *Engineer* DATE *3-19-67*

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



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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 as 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 report 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 16: 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.)

33. 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

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
NAME	NEAR. DEPTH	TOP	NEAR. DEPTH	TRUE VERT. DEPTH			
Coccolino	0' 1,000'	1,000' 1,853'	Sand and shale Sand and shale				
		No cores or drill stems tests taken:					

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 **Dry**

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. See also space 17 below.)
At surface
990' FSL and 350' FSL of Section 32, T36N, R30E, Apache County, Arizona

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8,017' GR

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.

10. FIELD AND POOL, OR WILDCAT
Wildcat

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

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

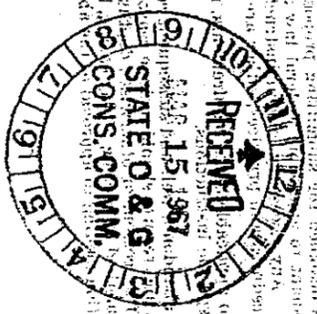
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input 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"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

Well has 10 3/4" OD, 32.75#/ft. H-40, ST&C casing set 407' and was cemented to the surface with 475 sacks of cement. An 8 3/4" hole was drilled to 1,853'. The drill pipe stuck at this depth. Fishing and sidetracking operations were unsuccessful. The fish left in the hole was 26' of one joint of drill pipe and twelve 6 3/4" drill collars with the top of the fish at 1,379'. Set an 80 sack cement plug from 1,150' to 1,375'. Set a 35 sack cement plug from 370' to 430'. Set a 10 sack cement plug from 3' to 20'. All plugs set by displacement. Mud of 8.9#/gallon weight was left between the plugs. Final plug was down at 10:30 PM, 3-10-67. The rig was skidded on the same location to drill the replacement well, Navajo No. 11. No logs were run on this well, the Navajo No. 3.



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

SIGNED C. J. Breen TITLE Engineer DATE 3-13-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DRY	5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8823
2. NAME OF OPERATOR Kerr-McGee Corporation	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Havajo
3. ADDRESS OF OPERATOR P.O. Box K, Sunray, Texas 79086	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 990° FSL and 350° FEL of Section 32, T36N, R30E, Apache County, Arizona.	8. FARM OR LEASE NAME Havajo
14. PERMIT NO.	9. WELL NO. 3
15. ELEVATIONS (Show whether OF, ST, CR, etc.) 8,017° GR	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 32-T36N-R30E
	12. COUNTY OR PARISH Apache
	13. STATE Arizona

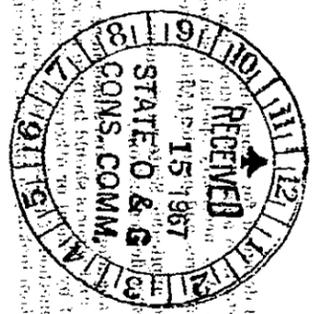
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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

(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.)

Well was spudded at 2:45 PM, 2-28-67. A 13 3/4" hole was drilled to 415'. Set 10 3/4" OD, 32.75#/ft., B-40, ST&C Casing at 407'. Cemented with 475 sacks of common plus 2% Calcium Chloride and 1/4% of flossie per sack. Circulated out 150 sacks. Plug down at 4 AM, 3-2-67. After waiting on cement 18 hours, tested casing with 1000# for 30 minutes. Held alright. Drilled 8 3/4" hole to 1,853'. Stack the drill pipe. Fishing and side tracking operations were unsuccessful. The fish left in the hole was 26' of one joint of drill pipe and twelve 6 3/4" drill collars with the top at 1,379'. Set 80 sack cement plug from 1,150' to 1,375'. Set 35 sacks cement plug from 370' to 430'. Set 10 sacks cement plug from 3' to 20'. Mud of 8.9#/gal. weight was left between the plugs. Verbal approval to plug and abandon this well was obtained by Mr. Otto Barton from Mr. P.T. McGrath on 3-10-67. No logs were run on this well.



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

SIGNED E. J. Breder TITLE Engineer DATE 3-13-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

3-10-67

Otto Barton, Kerr-McGee

re: #3 Navajo
SE SE 32-36N-30E Apache County
Permit 380

Going to plug.

~~xxx~~ Cemented to whipstock around fish. Drilled in but cement was contaminated with mud and lost-circulation material.

Re-cemented with 80 sax from 1375-1150. But company decided there was too much involved and perhaps still have a bad hole.

Therefore propose to plug as follows:

(Bottom of fish is at 1853.) Above 80 ~~xx~~ sax will sufficiently plug that ~~b~~ zone, which is from top of fish.

Then comes heavy mud.

50 feet plug at bottom of surface casing.
More heavy mud.
15 foot ~~xxxxxx~~ surface plug with marker.

3-9-67

Telcon with Otto Barton, Kerr-McGee

Re: Kerr McGee #2 Navajo
SE N W 32-36N-30E Apache County
Permit 379

3-8-67 Swabbed 463 bbls in 10-1/3 hrs.
Fluid level stayed at 1400 feet.

Has a Reeda pumping rig on way in, capable of pumping
2600 bbls pd.

At the moment is shutdown because oil production is ahead
of transport trucks.

3-9-67

Re: Kerr McGee #3 Navajo
SE SE 32-36N-30E Apache County
Permit 380

Has 12 drill collars in hole; can't get them out. Will have
to whipstock with 2° deviation.

8

3-7-67
Telcon with Joe Breeden, Kerr-McGee

Re: #3 Navajo
SE SE 32-36N-30E Apache County
Permit 380

Spudded 2-28-67.

Tried to air drill after getting under surface. Hit water sand apparently and drill pipe stuck at 1853 on Saturday, 3-4-67. Left fish in hole; going back in this morning to recover fish and continue drilling.

DRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Kerr-McGee Corporation

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo No. 3

Location 990' FSL and 350' FEL of

Sec. 32 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 Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

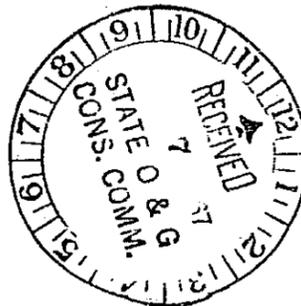
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(OTHER) _____		(OTHER) _____	

WATER SHUT-OFF	<input checked="" type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input checked="" type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
		ABANDONMENT	<input type="checkbox"/>

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

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

Spudded well at 2:45 PM, 2-28-67. Drilled 13-3/8" hole to 415' and reamed 13-3/8" hole to 15" to 415' so the surface casing could be run. Set 10-3/4" OD, 32.75#/ft., H-40, casing at 407'. Cemented with 475 sacks of common plus 2% calcium chloride and 1/2# flocele per sack. Circulated out 150 sacks. Plug down at 4 AM, 3-2-67. After waiting on cement 18 hours, tested casing with 1,000# for 30 minutes. Held alright.



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

Signed G. J. Breeden Title Engineer Date 3-3-67

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

Permit No. 380

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS CATEGORY
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 11-20-3603-8823
2. NAME OF OPERATOR Hart-McClos Corporation		6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box K, Surrency, Texas		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 990' FWL and 350' FWL of Section 32, T36N, R30E, Apache County, Arizona		8. FARM OR LEASE NAME Navajo
14. PERMIT NO. 380	15. ELEVATIONS (Show whether DF, ST, GR, etc.) 8,017' OR	9. WELL NO.
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 32-236N-R30E
		12. COUNTY OR PARISH Apache
		13. STATE Arizona

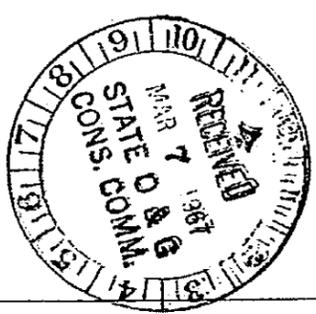
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input checked="" type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" 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"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

Original plans were to drill a 12" hole and set 9-5/8" OD, 365'/ft., casing at 300'. Cement with sufficient cement to circulate to surface. Changed plans for surface hole. Drilled 13-3/4" hole to 415' and reamed 13-3/4" hole to 15" hole to 415' so surface casing could be run. Ran 10-3/4", 32.75'/ft., H-40 casing and set at 407'. Cemented with 475 sacks of cement plus 24 calcium chloride and 1/2 floccle per sack. Circulated out 150 sacks. Plug down at 4 AM, 3-2-67. After waiting on cement 18 hours, tested casing with 1,000' for 30 minutes. Hold alright. Well was spudded at 2:45 PM, 2-25-67.



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

SIGNED *E. G. Bruden* TITLE Engineer DATE 3-3-67

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

2-27-67

Telcon from Mr. Otto Barton

Re: #3 Navajo (Permit 380) and #B1 Navajo (Permit 381)
Wants to run 10-3/4" surface pipe instead of 9-5/8"

380

3-1-67 Paul Lewis; said spudded 2-28-67

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8823	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Kerr-McGee Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box K, Surrency, Texas		8. FARM OR LEASE NAME Navajo	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 950' FSL and 350' FSL of Section 32, T36N, R30E, Apache County, ARIZONA Arizona		9. WELL NO. 3	
At proposed prod. zone Same as above		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles SW of Red Rock, Arizona		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 32-T36N-R30E	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 350'	16. NO. OF ACRES IN LEASE 2,533	12. COUNTY OR PARISH Apache	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2,944'	19. PROPOSED DEPTH 3,300'	13. STATE Arizona	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7,987' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 80	
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START* 2-22-67		23. QUANTITY OF CEMENT Sufficient to circulate Sufficient to cover all potentially productive zones.	
SIZE OF HOLE 12 1/4" 8 3/4"	SIZE OF CASING 9 5/8" 7"	WEIGHT PER FOOT 36 20	SETTING DEPTH 300' 3,300'

Blowout preventors: 300' - 3,300'

1. Kill and choke manifold.
2. 10" Series 600 QBC or equivalent with pipe rams.
3. 10" Series 600 QBC 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 [Signature] TITLE Div. Sept. Oil & Gas Prod. DATE February 15, 1967
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side





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-MC GEE #3 Navajo
(WELL NAME)

located 950' FSL and 350' FBL (SE/4SE/4)

Section 32 Township 36N Range 30E, Apache County, Arizona.

The E/2 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 23rd day of February, 19 67.

OIL AND GAS CONSERVATION COMMISSION

By John Bannister
EXECUTIVE SECRETARY

PERMIT No. 380
verbal permission 2-15-67

RECEIPT NO. 9474
API #02-001-20005

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

Kerr-McGee Corporation		
NAME OF COMPANY OR OPERATOR		
P.O. Box K	Sunray	Texas
Address City State		
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	3	7,987'
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:	
350 feet	2,944 feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2,533	three	
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)		
950' FSL and 350' FEL	Section 32, T36N, R30E	E/2, SE/4
Field and reservoir (if wildcat, so state)		County
Wildcat		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
3,300'	Rotary	2-22-67
Bond Status Blanket Bond	Organization Report	Filing Fee of \$25.00
Amount	On file On File Or attached	Attached Yes
Remarks:		
New Well		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Div. Supt. Oil & Gas Prod.</u> of the <u>Kerr-McGee Corporation</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		
Signature <i>[Signature]</i>		
Date February 15, 1967		
Permit Number: 380	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies Form No. 3	
Approval Date: 2-23-67		
Approved By: <i>[Signature]</i>	RECEIVED FEB 20 1967 STATE O & G CONS. COMM.	
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.		

12

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

Owner	Land Description
CERTIFICATION I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name <i>[Signature]</i>	
Position Div. Supt. Oil & Gas Prod.	
Company Kerr-McGee Corporation	
Date February 15, 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 _____	
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	300'	0' - 300'	Sufficient to circulate
7"	20	J-55	0	3,300'	Sufficient to cover all potentially productive zones	

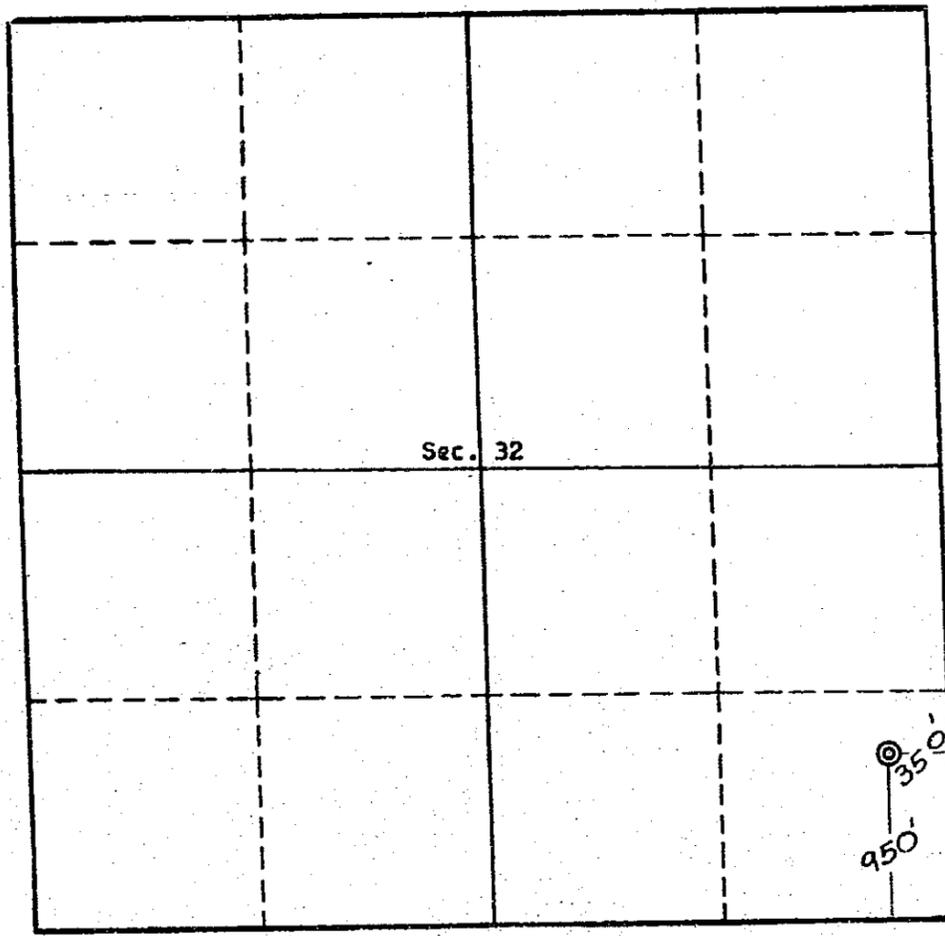
- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.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

Owner	Land Description
CERTIFICATION I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name: <i>W. J. Barton</i>	
Position: Div. Supt. Oil & Gas Prod.	
Company: Kerr-McGee Corporation	
Date: February 15, 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: _____	
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	300'	0' - 300'	Sufficient to circulate
7"	20	J-55	0	3,300'	Sufficient to cover all potentially productive zones	

Company KERR MCGEE OIL INDUSTRIES, INC.
Well Name & No. No. 3 Navajo
Location 950 feet from the South line and 350 feet from the East line.
Sec. 32, T. 36 N., R. 30 E., G. & S. R. M., County Apache, Arizona
Ground Elevation 7987 Est.



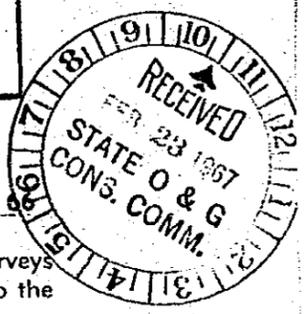
Scale, 1 inch = 1,000 feet

Surveyed February 7, 1967

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



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



1380

Operator KERR MC GEE ~~OTT~~ 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:

<u>10</u>	386	A17
<u>36</u>	389	A18
<u>37</u>	390	A19
<u>38</u>	391	A20
<u>39</u>	392	A22
<u>57</u>	396	A26
<u>63</u>	397	A27
<u>64</u>	398	441
<u>142</u>	399	445
<u>238</u>	402	446
<u>303</u>	403	
<u>90</u>	404	
<u>91</u>	405	
<u>349</u>	406	
<u>303</u>	407	
<u>377</u>	408	
<u>378</u>	409	
<u>379</u>	410	
<u>380</u>	411	
<u>381</u>	413	
<u>384</u>	414	
<u>385</u>	416	

CANCELLED

DATE 10-24-68

→ see this file

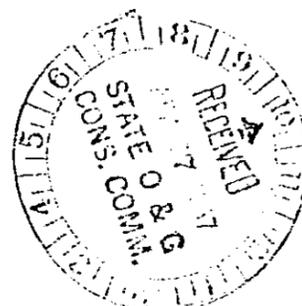
superseded by
 American Casualty Co. Bond
 \$25,000
 #5471020-52

380

 **KERR-McGEE**

PO BOX 100000 DALLAS TEXAS 75200

April 25, 1967



State of Arizona

Oil and Gas Conservation Commission

Room 202, 1624 West Adams
Phoenix, Arizona 85007

Attention Mr. John Bannister

Gentlemen :

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

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

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

350
Yours very truly,
Kerr-McGee Corporation



Division Supt. Oil & Gas Production
Sunny, Texas.

Jim - please check



KERR-McGEE CORPORATION

POST OFFICE BOX "K" - SUNRAY, TEXAS 79086

March 11, 1967

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

Attention: Mr. John Bannister

Gentlemen:

Enclosed are two copies of Form No 9, Application to Abandon and Plug, one copy of Form No 10, Plugging record, and one copy of Form No. 4, Well Completion or Recompletion Report and Well Log, for the Kerr-McGee Corporation Navajo No: 3, located 950' FNL and 350' FEL of Section 32, T36N, R30E, Apache County, Arizona. This well had to be plugged and abandoned as a fish was lost in the hole and efforts to recover the fish were unsuccessful. The rotary rig is being skidded to the replacement well Navajo No: 3A. Verbal permission to plug and abandon this well was obtained by Mr. Otto Barton from Mr. John Bannister on 3-10-67.

Also enclosed are two copies of Form No. 3, Application for permit to Drill and a draft of \$ 25.00 for the filing fee for the Kerr-McGee Corporation Navajo No. 3A, located 980' FSL and 330' FEL of Section 32, T36N, R30E, Apache County, Arizona. Mr. Otto Barton recieved verbal approval to spud this well from Mr. John Bannister on 3 - 10 - 67. The surveyors plats will be mailed to you by Mr. Echohawk of Farmington, New Mexico.

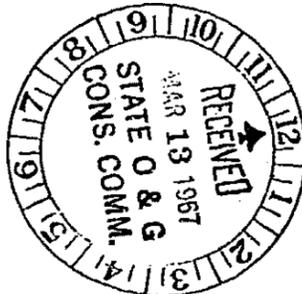
Yours Very Truly,
Kerr-McGee Corporation

C J Breeden

C. J. Breeden

380

CJB:bb



ERNEST V. ECHOHAWK

• SURVEYORS •

NEVADA • ARIZONA • UTAH • COLORADO
WYOMING • MONTANA • NEW MEXICO

PETROLEUM CLUB PLAZA

FARMINGTON, NEW MEXICO 87401

TEL. 327-9001 AC 505

February 20, 1967

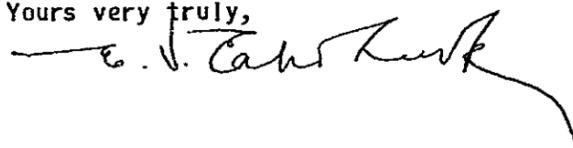
State of Arizona
Oil & Gas Conservation Commission
Phoenix, Arizona

Dear Sir:

Attached are three (3) copies of Kerr-McGee's new Well Location located in Apache County, Arizona. This being the #3 Navajo.

I was given instructions by Mr. O. C. Barton, Division Production Superintendent of the Kerr-McGee Oil Industries, Inc. to file these plat copies with your office.

Yours very truly,



EVE/ed

c.c. Mr. O. C. Barton





POST OFFICE BOX "K" • SUNRAY, TEXAS 79086

February 15, 1967

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

Attention: Mr. John Bannister

Gentlemen:

Enclosed herewith are two copies of Arizona Oil and Gas Conservation Commission, Form No. 3, Application for Permit to Drill, and one copy of USGS Form No. 9-331 C, Application for Permit to Drill on Kerr-McGee Corporation's Navajo No. 3 Well, Apache County, Arizona. The Surveyor's Plat by Mr. Echohawk of Farmington, New Mexico will be mailed separately.

Also attached is the filing fee in the amount of \$ 25.00.

Yours very truly,

Otto C. Barton
Div. Supt. Oil & Gas Prod.

OCE:wm

380

