

P-W

MCCULLOCH #1-1X Navajo  
NW NW 1-38N-22E Apache County 433

sl

COUNTY Apache AREA 6 mi S. Dinnehotso LEASE NO. Nav. 14-20-0603-8246

WELL NAME McCulloch #1-1 Navajo and 1-1X Nav.

LOCATION NW NW SEC 1 TWP 38N RANGE 22E FOOTAGE 550' FNL 550 FWL <sup>1-1X: 350' FNL, 500' FWL</sup>  
ELEV 5642 GR KB SPUD DATE 10-3-67 STATUS 1-1X: 11-15-67 COMP. DATE 11-4-67 TOTAL DEPTH 5846' <sup>1-1X: 765'</sup>

CONTRACTOR J C M Drilling Company, Oklahoma City, Okla

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
16"	16	4 SK	NA	<input checked="" type="checkbox"/>			
11 3/4"	296	140 SKS					
8 5/8"	3391	150 SKS					P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Navajo	462'	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1-1X: Navajo sand 462-765'
Kayenta	1234'			
Chinle	1587'			
Shinarump	2452'			
Moenkopi	2538'			
DeChelly	2678'			
Organ Rock	3310'			
Hermosa	4625'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Borehole Comp. Sonic-GR			Chromo Log
			SAMPLE DESCRP. <input checked="" type="checkbox"/>
			SAMPLE NO. <u>1426</u>
			CORE ANALYSIS
			DSTs

REMARKS 8 5/8 CSG parted 2051-2248. Casing stub at 2248'

APP. TO PLUG \_\_\_\_\_  
 PLUGGING REP.   
 COMP. REPORT

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. Fidelity & Deposit Co. of Maryland BOND NO. 8043399  
 DATE 9-25-67

BOND AMT. \$ 5,000 CANCELLED 1-31-68 ORGANIZATION REPORT 9-26-67

FILING RECEIPT 9521 LOC. PLAT  WELL BOOK  PLAT BOOK   
 API NO. 02-G01-20057 DATE ISSUED 9-27-67 DEDICATION W/2 NW/4

PERMIT NUMBER 433

## 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: McCulloch Oil Corporation of California      Address: 924 Vaughn Building, Midland, Texas 79701

Federal, State or Indian Lease Number or name of lessor if fee lease: Navajo Lease # 32520      Contract # 14-20-0603-8246      Well Number: 1-1      Field & Reservoir: Wildcat

Location: 500' FNL and 500' FWL of Section 1      County: Apache

Sec. TWP-Range or Block & Survey: Section 1, T-38-N, R-22-E, G&SRM

Date spudded: 10/3/67      Date total depth reached: 10/30/67      Date completed, ready to produce: J&A      Elevation (D/E, RKB, RT or Gr.): 5642 GR 5654 KBest      Elevation of casing hd. flange: 5642 feet

Total depth: 5846      P.B.T.D.: 2148      Single, dual or triple completion?: J&A      If this is a dual or triple completion, furnish separate report for each completion.

Producing Interval (s) for this completion: None      Rotary tools used (interval): Rotary All      Cable tools used (interval):

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

Type of electrical or other logs run (check logs filed with the commission): Gamma Ray-Sonic      Date filed: 11/13/67

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Conductor	17 1/4	16"	conductor	16'	4	none
Surface	13 3/4	11 3/4	42	296	140	none
Intermediate	10 5/8	8 5/8	32 & 24	3391	150	none
<del>ROPERY WORK</del> 8 5/8" parted 2051-2248'						

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
none			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	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

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

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 District Engineer of the McCulloch Oil Corp. of California (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: 11/13/67      Signature: *[Handwritten Signature]*



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

Permit No. 433

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Navajo	462	793	Sand, M-C Grain
Kayenta	1234	1587	Sand, A.B.
Chinle	1587	2452	Shale and Sandy Shale
Shinarump	2452	2538	Sand and Sandy Conglomerate
Moenkopi	2538	2678	Shale variegated
DeChelly	2678	3310	Sand M-C Grain
Organ Rock	3310	4625	Shale and Sandy Shale
Hermosa	4625		Shale, Anhydrite, Chert and Lime
TD	4865 5846	(Lower Penn at TD)	
No Cores or Drill Stem Tests Taken.			

\* 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.

**PLUGGING RECORD**

Operator <b>McCulloch Oil Corporation of California</b>		Address <b>924 Vaughn Building, Midland, Texas 79701</b>	
Federal, State, or Indian Lease Number. or lessor's name if fee lease. <b>Contract #14-20-0603-8248 Lease #32560</b>		Well No. <b>1-1X</b>	Field & Reservoir <b>Wildcat</b>
Location of Well <b>350' FNL &amp; 500' FWL Section 1, T-38-N, R-22-E</b>		Sec-Twp-Rge or Block & Survey	County <b>Apache</b>
Application to drill this well was filed in name of <b>McCulloch Oil Corp. of Calif.</b>	Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? <b>J&amp;A</b>	
Date plugged: <b>11/21/67</b>	Total depth <b>765'</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day)	
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
None			

**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
11 3/4	497	none			Guide shoe on bottom

Was well filled with mud-laden fluid, according to regulations?  
**yes**

Indicate deepest formation containing fresh water.  
**Navajo 460'**

**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>Navajo Indian Tribe</b>	<b>Windowrock, Arizona</b>	<b>all</b>

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.

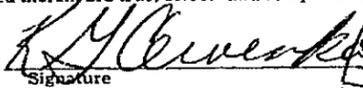
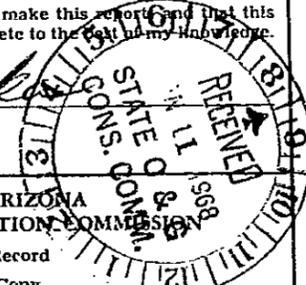
**No - Steel plate put on top of 11 3/4" casing and regulation dry hole marker erected.**

**Top of fish in hole at 628' Fish consists of 2 drill collars and bit.**

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Engineer of the McCulloch Oil Corporation of Calif. (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 January 9, 1968

  
 Signature  
  
 STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Plugging Record  
 File One Copy

Permit No. 433

Form No. 10

**PLUGGING RECORD**

Operator <b>McCulloch Oil Corporation of California</b>		Address <b>924 Vaughn Building, Midland, Texas 79701</b>	
Federal, State, or Indian Lease Number. or lessor's name if fee lease. <b>Contract #14-20-0603-8248 Lease #32560</b>		Well No. <b>1-1X</b>	Field & Reservoir <b>Wildcat</b>
Location of Well <b>350' FNL &amp; 500' FWL Section 1, T-38-N, R-22-E</b>		Sec-Twp-Rge or Block & Survey	County <b>Apache</b>
Application to drill this well was filed in name of <b>McCulloch Oil Corp. of Calif.</b>	Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? <b>J&amp;A</b>	
Date plugged: <b>11/21/67</b>	Total depth <b>765'</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day)	
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
None			

**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
11 3/4	497	none			Guide shoe on bottom

Was well filled with mud-laden fluid, according to regulations? <b>yes</b>	Indicate deepest formation containing fresh water. <b>Navajo 460'</b>
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**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>Navajo Indian Tribe</b>	<b>Windowrock, Arizona</b>	<b>all</b>

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.

**No - Steel plate put on top of 11 3/4" casing and regulation dry hole marker erected.**

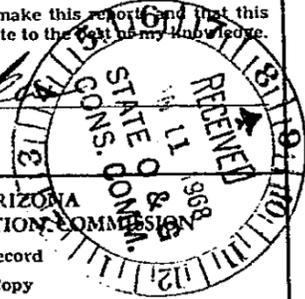
**Top of fish in hole at 628'. Fish consists of 2 drill collars and bit.**

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Engineer of the McCulloch Oil Corporation of Calif. (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 January 9, 1968 Signature [Handwritten Signature]

Permit No. <u>433</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy
	Form No. 10



## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator **McCulloch Oil Corporation of California** Address **924 Vaughn Bldg., Midland, Texas 79701**

Federal, State or Indian Lease Number or name of lessor if fee lease **Navajo Contract # 14-20-0603-8246** Well Number **1-1X** Field & Reservoir **Wildcat**

Location **350' FNL and 500' FWL, Sec. 1** County **Apache**

Sec. TWP-Range or Block & Survey **Sec. 1, T-38-N, R-22-E**

Date spudded **11/15/67** Date total depth reached **11/17/67** Date completed, ready to produce **junked** Elevation (DF, RKB, RT or Gr.) **5640 GL** feet Elevation of casing hd. flange **5640** feet

Total depth **765** P.B.T.D. **junked** Single, dual or triple completion? **junked** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **none** Rotary tools used (interval) **all** Cable tools used (interval)

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

Type of electrical or other logs run (check logs filed with the commission) **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
	3 3/4	11 3/4	42	497	240	none

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
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	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

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

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 District Manager of the McCulloch Oil Corp. of Calif. (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 11/28/67

*[Signature]*  
Signature

Permit No. **433**

Form No. 4

File One Copy

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



**DETAIL OF FORMATIONS PENETRATED** ★

Formation	Top	Bottom	Description*
Navajo Sand	462	765	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.



MCCULLOCH #1-1X Navajo  
NW NW 1-38N-22E Apache County 433



sl

COUNTY Apache AREA 6 mi S. Dinnehotso LEASE NO. Nav. 14-20-0603-8246

WELL NAME McCulloch #1-1 Navajo and 1-1X Nav.

LOCATION NW NW SEC 1 TWP 38N RANGE 22E FOOTAGE 550' FNL 550 FWL *1-1X: 350' FNL, 550' FWL*

ELEV 5642 GR KB SPUD DATE 10-3-67 STATUS 1-1X: 11-15-67 TOTAL 1-1X: 765'  
COMP. DATE 11-4-67 DEPTH 5846'

CONTRACTOR J C M Drilling Company, Oklahoma City, Okla

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
16"	16	4 SK	NA	<input checked="" type="checkbox"/>			
11 3/4"	296	140 SKS					
8 5/8"	3391	150 SKS					P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Navajo	462'	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>1-1X: Navajo sand 462-765'</i>
Kayenta	1234'			
Chinle	1587'			
Shinarump	2452'			
Moenkopi	2538'			
DeChelly	2678'			
Organ Rock	3310'			
Hermosa	4625'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Borehole Comp. Sonic-GR			<u>Chromo Log</u>
			SAMPLE DESCRP. <input checked="" type="checkbox"/>
			SAMPLE NO. <u>1426</u>
			CORE ANALYSIS
			DSTs

REMARKS 8 5/8 CSG parted 2051-2248. Casing stub at 2248'

APP. TO PLUG \_\_\_\_\_  
PLUGGING REP.   
COMP. REPORT

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. Fidelity & Deposit Co. of Maryland BOND NO. 8043399  
DATE 7-25-67

BOND AMT. \$ 5,000 CANCELLED 1-31-68 ORGANIZATION REPORT 9-26-67

FILING RECEIPT 9521 LOC. PLAT  WELL BOOK  PLAT BOOK   
API NO. 02-001-20057 DATE ISSUED 9-27-67 DEDICATION W/2 NW/4

PERMIT NUMBER 433

(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: **McCulloch Oil Corporation of California**      Address: **924 Vaughn Building, Midland, Texas 79701**

Federal, State or Indian Lease Number or name of lessor if fee lease: **Navajo Contract # 14-20-0603-8246**      Well Number: **1-1**      Field & Reservoir: **Wildcat**  
 Lease #: **32520**

Location: **500' FNL and 500' FWL of Section 1**      County: **Apache**

Sec. TWP-Range or Block & Survey: **Section 1, T-38-N, R-22-E, G&SRM**

Date spudded: **10/3/67**      Date total depth reached: **10/30/67**      Date completed, ready to produce: **J&A**      Elevation (DF, RKB, RT or Gr.): **642 GR 5654 KB**      Elevation of casing hd. range: **5642 feet**

Total depth: **5846**      P.R.T.D.: **2148**      Single, dual or triple completion?: **J&A**      If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: **None**      Rotary tools used (interval): **Rotary All**      Cable tools used (interval):

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

Type of electrical or other logs run (check logs filed with the commission): **Gamma Ray-Sonic**      Date filed: **11/13/67**

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Conductor	17 1/4	16"	conductor	16'	4	none
Surface	13 3/4	11 3/4	42	296	140	none
Intermediate	10 5/8	8 5/8	32 & 24	3391	150	none
<b>TO BE DELETED 8 5/8" parted 2051-2248'</b>						

LINER RECORD

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

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
none			none	

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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:      Gas prod. during test:      Water prod. during test:      Oil gravity:

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

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..... District Engineer..... of the  
**McCulloch Oil Corp. of California**... (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: **11/13/67**

Signature: *[Handwritten Signature]*



Permit No. **433**

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

**DETAIL OF FORMATIONS PENETRATED**

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Chinle	1587	2452	Shale and Sandy Shale
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Moenkopi	2538	2678	Shale variegated
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Organ Rock	3310	4625	Shale and Sandy Shale
Hermosa	4625		Shale, Anhydrite, Chert and Lime
TD	4865 5846	(Lower Penn at TD)	
No Cores or Drill Stem Tests Taken.			

\* 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:**

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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 <b>McCulloch Oil Corporation of California</b>		Address <b>924 Vaughn Building, Midland, Texas 79701</b>	
Federal, State, or Indian Lease Number. or lessor's name if fee lease. <b>Contract #14-20-0603-8248 Lease #32560</b>		Well No. <b>1-1X</b>	Field & Reservoir <b>Wildcat</b>
Location of Well <b>350' FNL &amp; 500' FWL Section 1, T-38-N, R-22-E</b>		Sec-Twp-Rge or Block & Survey	County <b>Apache</b>
Application to drill this well was filed in name of <b>McCulloch Oil Corp. of Calif.</b>	Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? <b>J&amp;A</b>	
Date plugged: <b>11/21/67</b>	Total depth <b>765'</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day)	
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
<b>None</b>			

**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
<b>11 3/4</b>	<b>497</b>	<b>none</b>			<b>Guide shoe on bottom</b>

Was well filled with mud-laden fluid, according to regulations?  
**yes**

Indicate deepest formation containing fresh water.  
**Navajo 460'**

**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>Navajo Indian Tribe</b>	<b>Windowrock, Arizona</b>	<b>all</b>

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.

**No - Steel plate put on top of 11 3/4" casing and regulation dry hole marker erected.**

**Top of fish in hole at 628' Fish consists of 2 drill collars and bit.**

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **District Engineer** of the

**McCulloch Oil Corporation of Calif.** (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 **January 9, 1968**

*[Signature]*  
Signature

**STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION**  
Plugging Record  
File One Copy

**RECEIVED**  
JAN 11 1968  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION

Permit No. **433**

Form No. 10

### 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: **McCulloch Oil Corporation of California** Address: **924 Vaughn Bldg., Midland, Texas 79701**

Federal, State or Indian Lease Number or name of lessor if fee lease: **Contract # 14-20-0603-8246** Well Number: **1-1X** Field & Reservoir: **Wildcat**  
**Navajo Lease # 32520**

Location: **350' FNL and 500' FWL, Sec. 1** County: **Apache**

Sec. TWP-Range or Block & Survey: **Sec. 1, T-38-N, R-22-E**

Date spudded <b>11/15/67</b>	Date total depth reached <b>11/17/67</b>	Date completed, ready to produce <b>junked</b>	Elevation (DF, RKB, RT or Gr.) feet <b>5640 GL</b>	Elevation of casing hd. flange feet <b>5640</b>
---------------------------------	---	---	---	--

Total depth <b>765</b>	P.B.T.D.	Single, dual or triple completion? <b>junked</b>	If this is a dual or triple completion, furnish separate report for each completion.
---------------------------	----------	---	--

Producing interval (s) for this completion <b>none</b>	Rotary tools used (Interval) <b>all</b>	Cable tools used (Interval)
---	--	-----------------------------

Was this well directionally drilled? <b>no</b>	Was directional survey made? <b>no</b>	Was copy of directional survey filed?	Date filed
---	---	---------------------------------------	------------

Type of electrical or other logs run (check logs filed with the commission) <b>none</b>	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
	3 3/4	11 3/4	42	497	240	none

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
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	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

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

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 District Manager of the McCulloch Oil Corp. of Calif. (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: 11/28/67

*[Signature]*  
Signature

Permit No. **433**

Form No. 4

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



**DETAIL OF FORMATIONS PENETRATED** ☆

Formation	Top	Bottom	Description*
Navajo Sand	462	765	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.

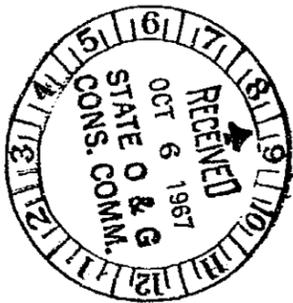
**INSTRUCTIONS:**

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.

Form No. 4

This is to advise you that McCulloch Oil Corporation of California's #1-1 Navajo well located 500' FNL & FWL of Section 1, T-38-N, R-22-E, Apache County, Arizona was spud 17 1/2" hole on 12:45 a.m. 10/3/67 and 13 3/4" hole on 9 p.m. 10/3/67 .



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**McCulloch Oil Corporation of California**

3. ADDRESS OF OPERATOR  
**974 Vaughn Building, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **350' FRL and 500' FRL of Sec. 1, T-28-N, R-22-E**  
At top prod. interval reported below **none**  
At total depth **no directional survey run**

5. LEASE DESIGNATION AND SERIAL NO.  
**Lease # 250**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo**

7. UNIT AGREEMENT NAME  
**Navajo**

8. FARM OR LEASE NAME  
**Navajo**

9. WELL NO.  
**1-17**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 1, T-28-N, R-22-E**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUNDED **11/13/67** 16. DATE T.D. REACHED **11/17/67** 17. DATE COMPL. (Ready to prod.) **11/21/67 J&A** 18. ELEVATIONS (OF, REB, RT, GR, ETC.)\* **5040 OL 5650 KB** 19. ELEV. CASINGHEAD **5640**

20. TOTAL DEPTH, MD & TVD **765 MD** 21. PLUG BACK T.D., MD & TVD \_\_\_\_\_ 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS **all** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**none**

25. WAS DIRECTIONAL SURVEY MADE \_\_\_\_\_

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**none**

27. WAS WELL CORED \_\_\_\_\_

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<b>11 3/4</b>	<b>42</b>	<b>497</b>	<b>13 3/4</b>	<b>100 ea w/4% gel + 100 ea regular (cement circulated)</b>	<b>none</b>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<b>none</b>				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)  
**none**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>none</b>	

33. PRODUCTION

DATE FIRST PRODUCTION **J&A** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **none** WELL STATUS (Producing or shut-in) \_\_\_\_\_

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	API (CORR.)

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

35. LIST OF ATTACHMENTS \_\_\_\_\_

36. I hereby certify that the foregoing and attached information is complete and correct as determined from \_\_\_\_\_

SIGNED *Carl H. Burns* TITLE **Dist. Mgr.** DATE **11/28/67**



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



Form 5-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R142A

LEASE DESIGNATION AND SERIAL NO.  
Contract # 14-20-3603-8246

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 Hole**

2. NAME OF OPERATOR  
**McCulloch Oil Corporation of California**

3. ADDRESS OF OPERATOR  
**924 Vaughn Building, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**350' FWL and 500' FWL, Sec. 1, T-38-N, R-22-E, Apache County  
Arizona**

5. PERMIT NO. **5640 GL 5650 KB**

6. INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Navajo**

9. WELL NO.  
**1-1X**

10. FRESH AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
**Sec. 1, T-38-N, R-22-E**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

18. 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 checked="" 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.)\*

Verbal Approval to plug and abandon given by U.S.G.S. on 11/20/67  
11/21/67: Welded plate on top of 11 3/4" casing. Erected dry hole marker. Well junked and abandoned.

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

SIGNED *[Signature]* TITLE Dist. Mgr. DATE 11/28/67

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424

Contract # 15-20-0803-8246

Lease # 32520

**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 Hole

2. NAME OF OPERATOR  
McGulloch Oil Corporation of California

3. ADDRESS OF OPERATOR  
924 Vaughn Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
350' FNL and 500' FNL Sec. 1, T-18-N, R-22-E, Apache County, Arizona

5. IF INDIAN ALLOTTEE OR TRIBE NAME  
Navajo

6. UNIT AGREEMENT NAME

7. FARM OR LEASE NAME  
Navajo

8. WELL NO.  
1-IX

9. FIELD AND POOL, OR WILDCAT  
Wildcat

10. SEC. T. R. M. OR BLM. AND SURVEY  
Sec. 1, T-18-N, R-22-E

11. COUNTY OR PARISH  
Apache

12. STATE  
Arizona

13. PERMIT NO.

14. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5640 GL 5650 KB

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"/>	FRAC 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 type="checkbox"/>	(Other) <input checked="" type="checkbox"/> Supplementary Well History	

(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 depth for all markers and zones pertinent to this work.)\*

11-15-67: Spudded 13 3/4" hole at 6:00 a.m.

11-16-67: TD 498' Sand. Drilled 13 3/4" hole to 498' Ran 16 joints 4 7/8" 11 3/4" OD ST&G casing. Set at 497' and cemented w/140 sx regular cement with 2% gel and followed by 100 sx neat cement w/2% calcium chloride. Plug down 2 1/2' at 11/15/67. Circulated 20 sx cement.

11-17-67: TD 765' Sand. While drilling at 765' lost circulation and gulled pipe off bottom to mix mud. Pipe stuck 80' off bottom while pulling up. Regained circulation. Unable to bump pipe loose.

11-18 thru 11-21-67: Verbal approval to plug and abandon given by U.S.G.S. on 11/20/67. Unable to wash over fish. Let 8 1/2" OD and 9" mill shoe in hole while trying to wash over. Backed off and left 2 drill collars and 7 7/8" bit in hole. Welded plate on top of 11 3/4" casing. Erected marker. Well fanked and abandoned.



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

SIGNED [Signature] TITLE Dist. Mgr. DATE 11/28/67

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

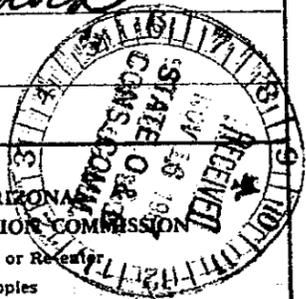
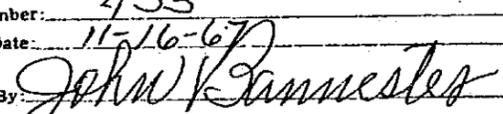
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

### APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

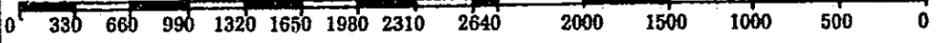
RE-ENTER OLD WELL

McCulloch Oil Corporation of California		
NAME OF COMPANY OR OPERATOR		
924 Vaughn Building,	Midland	Texas 79701
Address	City	State
J C M Drilling Company		
Drilling Contractor		
Citizen Bank Tower Building, Oklahoma City, Oklahoma		
Address		
DESCRIPTION OF WELL AND LEASE		
Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
Contract # 14-20-0603-8246 Lease # 32520	1-1X	5642
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	150' From Navajo #1-1 (See Remarks) feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2560	None-See Remarks	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
No		
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
350' FNL and 500' FWL	Sec. 1, T-38-N, R-22-E	80 acres W/2 NW/4
Field and reservoir (if wildcat, so state)	County	
Wildcat	Apache	
Distance, in miles, and direction from nearest town or post office		
6 miles Southwest Dinnehotso, Arizona		
Proposed depth:	Rotary or cable tools	Approx. date work will start
6900	Rotary	11/15/67
Bond Status (Applied for)	Organization Report	Filing Fee of \$25.00
Amount \$5000 single well	On file X Or attached	Attached Filed with well #1-1
Remarks:		
The Navajo #1-1X is a replacement well for the Navajo #1-1 which was located 500' FNL and 500' FWL of Section 1, T-38-N, R-22-E, and junked and abandoned at a depth of 5846' due to mechanical difficulties.		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>District Engineer</u> of the <u>McCulloch Oil Corp. of California</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		
11/15/67 Date		
Permit Number:	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill or Re-enter File Two Copies	
433		
Approval Date:	Form No. 3	
11-16-67		
Approved By:		
		
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.		

12 API 02-501-20014

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
<b>CERTIFICATION</b>	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name _____	
Position _____	
Company _____	
Date _____	
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

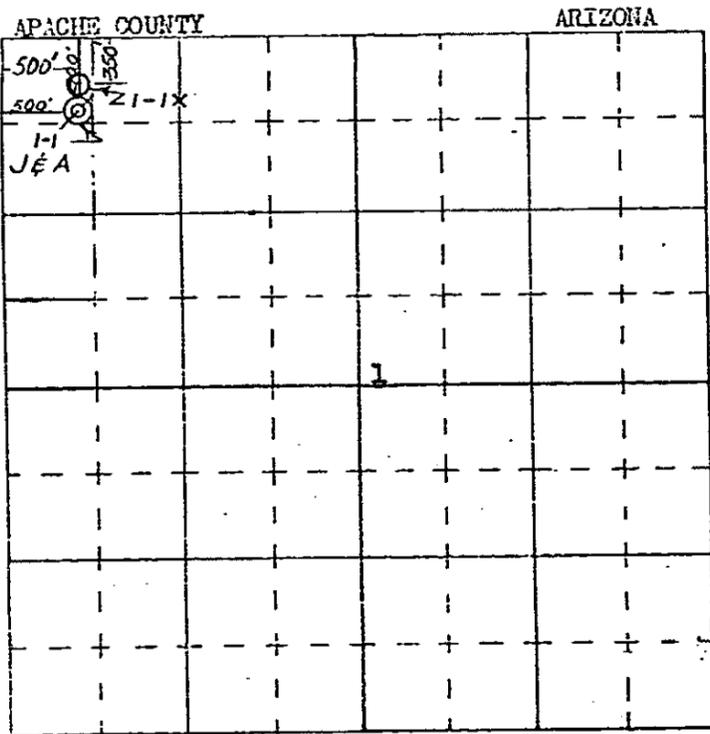
COMPANY McCULLOCH OIL CORPORATION

LEASE NAVAJO WELL NO. 1-1X

SEC. 1 T. 38 N., R. 22 E., G & S.R.M.

LOCATION 350 feet from the NORTH line and 500 feet from the WEST line.

ELEVATION 5642.0 UNGRADED GROUND.



SCALE—4 INCHES EQUALS 1 MILE

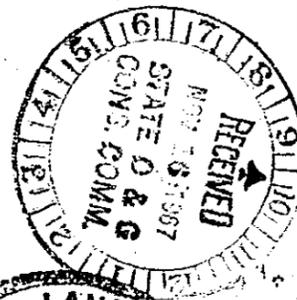
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James P. Leese*  
Registered Land Surveyor,  
James P. Leese  
Ariz. Reg. No. 1849

SURVEYED 22 September 1967

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.





# PERMIT TO DRILL

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

**MC CULLOCH OIL CORPORATION OF CALIFORNIA**

To: \_\_\_\_\_  
(OPERATOR)

to drill a well to be known as

~~#1-1X~~  
**McCulloch #1 Navajo**  
(WELL NAME)

located <sup>350'</sup> <sup>550'</sup>  
~~550'~~ **FNL and FNL (NW/4NW/4)**

Section **1** Township **88N** Range **22E**, **Apache** County, Arizona.

The **W/2 of NW/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 **2nd** day of **October**, 19**67**

REVISED 11-16-67

*John Bannister*  
**JOHN BANNISTER**

**OIL AND GAS CONSERVATION COMMISSION**

By *John Bannister*  
**EXECUTIVE SECRETARY**

PERMIT **Nº 433**

RECEIPT NO. **9521**

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

API No. 52-001-2057

Information shaded attached.

Telephone: 11-13-67: Kenneth Cervenka (Windland)

Will use well as source of wte. for drilling

#433

new location: (will skid 150' north)

→ 350 FNU, 500 FNU

(will put up new bond to cover new well.)

WELL SITE CHECK

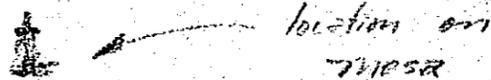
Contractor J. O. Mc Person(s) Contacted [Signature]  
 Spud date \_\_\_\_\_ Date 11-9-67  
 Type Rig \_\_\_\_\_ Rotary  Cable  Present Operations \_\_\_\_\_  
 Samples \_\_\_\_\_  
 Pipe \_\_\_\_\_ Drilling with Air  Mud   
 Water Zones \_\_\_\_\_ Size Hole \_\_\_\_\_  
 Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_  
 Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_  
 Cores, Logs, DST \_\_\_\_\_ No. Bit \_\_\_\_\_ Drilling Rate \_\_\_\_\_  
 Crews \_\_\_\_\_ Formation \_\_\_\_\_  
 Lithology \_\_\_\_\_

REMARKS, PHOTO, MAP

Visited location: Rig up. No one on location.

Tal. Post  
at  
Baby Rocks  
5 mi

Highway Navajo #1



WELL NAME

Mc Culloch #1-1 Navajo

Permit No.

433

Confidential: Yes  No

WELL SITE CHECK

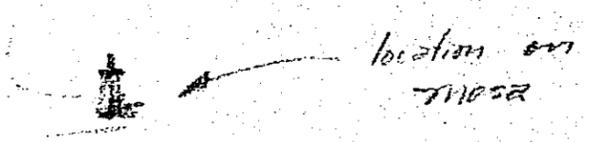
Contractor J. J. Miller Person(s) Contacted [Signature]  
 Spud date \_\_\_\_\_ Date 11-9-67  
 Type Rig \_\_\_\_\_ Rotary Cable  Present Operations \_\_\_\_\_  
 Samples \_\_\_\_\_  
 Pipe \_\_\_\_\_ Drilling with Air \_\_\_\_\_ Mud \_\_\_\_\_  
 Water Zones \_\_\_\_\_ Size Hole \_\_\_\_\_  
 Lost Circ. Zones \_\_\_\_\_ Size Drill Pipe \_\_\_\_\_  
 Formation Tops \_\_\_\_\_ Type Bit \_\_\_\_\_  
 Cores, Logs, DST \_\_\_\_\_ No. Bit \_\_\_\_\_ Drilling Rate \_\_\_\_\_  
 \_\_\_\_\_ Formation \_\_\_\_\_  
 Crews \_\_\_\_\_ Lithology \_\_\_\_\_

REMARKS, PHOTO, MAP

Visited location: Rig up. No one on location.

Tel. Post  
ST  
Baby Rocks  
5 mi

Highway Navajo #1



WELL NAME

McCulloch #1-1 Navajo

Permit No. 433

Confidential: Yes  No

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.

5. LEASE DESIGNATION AND SERIAL NO.  
**Contract # 14-20-0603-8246**  
**Lease No. 32520**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Navajo**

9. WELL NO.

**41-1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

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

**Sec. 1, T-38-N, R-22-E  
G&SRM**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other **Junked and Abandoned**

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

2. NAME OF OPERATOR  
**McCulloch Oil Corporation of California**

3. ADDRESS OF OPERATOR  
**924 Vaughn Building, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **500' FNL and 500' FWL Sec. 1, T-38-N, R-22-E**  
At top prod. interval reported below **Apache County, Arizona**  
At total depth **none**  
**No directional survey run**

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **10/3/67** 16. DATE T.D. REACHED **10/30/67** 17. DATE COMPL. (Ready to prod.) **J&A** 18. ELEVATIONS (DF, RNS, RT, GR, ETC.)\* **5642 GR 5654 KB** 19. ELEV. CASINGHEAD **5642**

20. TOTAL DEPTH, MD & TVD **5846' MD** 21. PLUG, BACK T.D., MD & TVD **2148 MD** 22. IF MULTIPLE COMPL. HOW MANY\* **→** 23. INTERVALS DRILLED BY **all** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* **None** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Gamma Ray-Sonic \*** 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 POLLED
16	conductor	16	17 1/4	4 sacks regular	none
11 3/4	42	296	13 3/4	140 sacks + 2% CaCl <sub>2</sub>	None
8 5/8	32 & 24	3391	10 5/8	150 sacks + 2% CaCl <sub>2</sub>	None
8 5/8 Casing parted 2051-2248'					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number)

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

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

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

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or Shut-in)
<b>J&amp;A</b>	<b>none</b>	

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
			→			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	TEST PRESSURE
		→				

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

35. LIST OF ATTACHMENTS

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

SIGNED **F. L. Brunk** TITLE **District Engineer** DATE **11/8/67**

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

\* LOGS TO BE FORWARDED WHEN RECEIVED.

433





Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

Contract No. 20-688-8246  
Lease No. 32520

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Junked and abandoned</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
2. NAME OF OPERATOR <b>McCulloch Oil Corporation of California</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>924 Vaughn Building, Midland, Texas 79701</b>		8. FARM OR LEASE NAME <b>Navajo</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space below for well log.) At surface <b>500' FWL and 500' FWL, Sec. 1, T-38-N, R-22-E Apache County, Arizona</b>		9. WELL NO. <b>#1-1</b>
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5642 GR 5634 KB</b>		11. SEC., T., R., M., OR BLK. AND <b>Sec. 1, T-38-N, R-22-E GSSRM</b>
		12. COUNTY OR PARISH <b>Apache</b>
		13. STATE <b>Arizona</b>

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 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.)\*

This well was junked and abandoned 3 p.m. 11/4/67 and was plugged as follows:

Hole loaded with mud.  
~~58 sacks regular cement plug placed 2740-2140~~  
No. 8 5/8" casing pulled.  
Dry hole marker to be installed when rig moved off.

*plugged*

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

SIGNED [Signature]

TITLE **District Engineer**

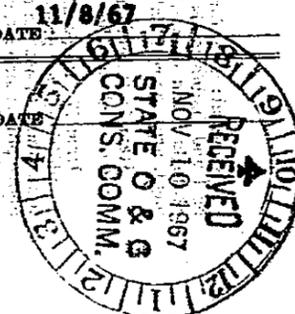
DATE **11/8/67**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



\*See Instructions on Reverse Side

433

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.  
Contract # 14-20-0603-8248  
Lease # 32420

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo

9. WELL NO.

#1-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 1, T-38-N, R-22-E  
G&SRM

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

McCulloch Oil Corporation of California

3. ADDRESS OF OPERATOR

924 Vaughn Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

500' FNL and 500' FWL Sec. 1, T-38-N, R-22-E  
Apache County, Arizona

14. PERMIT NO.

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

5642 GR 5654 KB

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"/>	FULL 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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <b>Supplementary Well History</b> <input checked="" type="checkbox"/>	

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

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

10/20/67: Drilling 4255' shale.  
 10/21/67: Drilling 4457' Shale, 2 3/4 at 4295'  
 10/22/67: Drilling 4630' lime and shale, 2 1/2 at 4489'  
 10/23/67: Drilling 4766' limestone and shale, 2 at 4711, Sample top Hermosa 4625'  
 10/24/67: Drilling 5005' lime and shale  
 10/25/67: Drilling 5162' lime and shale 1 3/4 at 5051  
 10/26/67: Making trip 5242' lime and shale  
 10/27/67: Drilling 5344 lime and chert 2 at 5243'  
 10/28/67: Drilling 5496' lime and shale 2 at 5351'  
 10/29/67: Drilling 5646' lime and shale 2 at 5605'  
 10/30/67: Drilling 5819' shale  
 10/31/67: TD 5846' shale. 3/4 at 5846', mud weight 9, viscosity 48, water loss 12, Made trip to change bits and mud up, drug off bottom and most of way out. Cannot get inside of 8 5/8" casing stub at 2248'  
 11/1/67: Ran 7 7/8" long tapered mill on drill collars and drill pipe. Could not get inside 8 5/8" stub at 2248'. Went in with regular bit, unable to get inside 8 5/8". Went in with drill pipe open-ended with bent joint on bottom. Worked drill pipe inside 8 5/8" casing and ran same to 2500' where there is a bridge or obstruction. Ran mill on bottom of drill pipe. Could not get inside 8 5/8"  
 11/2 thru 11/4: Waiting on orders  
 11/5: Spotted 55 sack regular cement plug 2148-2248' Well junked and abandoned 11/4/67  
 3 a.m. Released rig 3 a.m. 11/4/67.

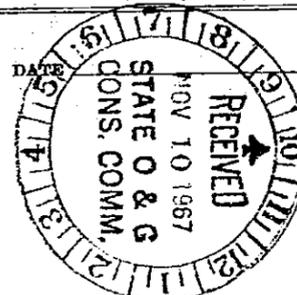
18. I hereby certify that the foregoing is true and correct

SIGNED Burton Edward TITLE Secretary DATE 11/8/67

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*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.

5. LEASE DESIGNATION, AND SERIAL NO.  
**Contract # 14-20-0603-8246**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**Lease No. 32520**

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 Hole**

2. NAME OF OPERATOR

**McGulloch Oil Corporation of California**

3. ADDRESS OF OPERATOR

**924 Vaughn Building, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface  
**500' FNL and 500' FWL, Sec. 1, T-38-N, R-22-E  
Apache County, Arizona**

7. UNIT AGREEMENT NAME  
**Navajo**

8. FARM OR LEASE NAME  
**Navajo**

9. WELL NO.  
**1-1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
**Sec. 1, T-38-N, R-22-E  
G&SFM**

14. PERMIT NO.

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

**5642 GR 5654 KB**

12. COUNTY OR PARISH 13. STATE  
**Apache 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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

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.)

Verbal approval to plug and abandon given by U.S.G.S. on 11/1/67 with proposed plugs as follows:

1. Load hole with drilling mud.
2. Set 100' cement plug from 2150 to 2250.
3. If 8 5/8" intermediate string pulled, set a 100' cement plug below Navajo Sand with top of plug just above base of Navajo.
4. Install dry hole marker to plate at surface.

Log Tops: Navajo 462'; Kayenta 1234'; Chinle 1587'; Shinarump 2452'; Moenkopi 2538'; DeChelly 2678'; Organ Rock 3310'; Sample Top Hermosa 4625'

8 5/8" casing set 3391' KB. Casing string is parted in interval 2051-2248'. It is impossible to reenter casing stub at 2248' and the well will be abandoned. Present TD 5846.



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

SIGNED *[Signature]*

TITLE **District Engineer**

DATE **11/7/67**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

433

11-1-67

McCulloch #1-1 Navajo

Telephone / KENNETH CERVENKA (Midland, Tex.)  
GAVE Verbal permission to plug.

yes

TD 5846' in Molas

Tops: De Chelly 2678 (elec. Log top)  
Hermosa 4630 (smp. top)

Fish stub at 2248'; STUCK; prep. to plug.  
Will place cement plug 2150'-2250' plus surface plug & MARKER.

**APPLICATION FOR PERMIT TO DRILL OR RE-ENTER**

APPLICATION TO DRILL

RE-ENTER OLD WELL

McCulloch Oil Corporation of California

NAME OF COMPANY OR OPERATOR

Address 924 Vaughn Building, Midland, Texas 79701  
City State

Drilling Contractor JCM Drilling Company  
Address Oklahoma City, Oklahoma

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor <b>Contract No. 14-20-0603-8246, Lease #32520</b>		Well number <b>1</b>	Elevation (ground) <b>5642</b>
Nearest distance from proposed location to property or lease line: <b>500</b> feet		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <b>none</b> feet	
Number of acres in lease: <b>2560</b>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>none</b>	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address <b>-- --</b>			
Well location (give footage from section lines) <b>500' FNL and 500' FWL</b>	Section township—range or block and survey <b>28N-22E</b>	Dedication (Comply with Rule 105) <b>80 ac.</b>	
Field and reservoir (if wildcat, so state) <b>Wildcat</b>		County <b>Apache</b>	
Distance, in miles, and direction from nearest town or post office <b>6 miles South Dinnehotso, Arizona</b>			
Proposed depth: <b>6900'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>Oct. 1, 1967</b>	
Bond Status <b>Current</b>	Organization Report <b>On file</b>	Filing Fee of \$25.00 <b>Attached Yes</b>	
Amount <b>\$5000 Single Well</b>	On file Or attached <b>Yes</b>		
Remarks:			

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the DISTRICT MANAGER of the

McCulloch Oil Corporation of Calif (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.

*Paul Bunn*  
Signature

9/26/67  
Date

Permit Number: 433  
Approval Date:  
Approved By: John Bannister

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

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

RECEIVED  
SEP 27 1967  
OIL & GAS COM. & G.

Form No. 3

API - 02 - 001 - 20057

(Complete Reverse Side)

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

Owner	Land Description																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; height: 100px;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 100px;"></td> <td></td> <td></td> <td></td> </tr> </table>																	<p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name <u>Earl R. Bruno</u>  <u>District Manager</u>  Position  <u>McCulloch Oil Corp. of Calif.</u>  Company  <u>9/26/67</u>  Date</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed  <u>9/22/67</u>  Registered Professional Engineer  and/or Land Surveyor  <u>James P. Leese</u></p> <p>Certificate No.  <u>1849</u></p>

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
11 3/4	42	H-40	Surface	300'	circulate	150 sxs
8 5/8	24	J-55	ditto	3150'	1000'	250 sxs
4 1/2	10.5	J-55	ditto	6900'	4000	200 sxs



# PERMIT TO DRILL

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

**MC CULLOCH OIL CORPORATION OF CALIFORNIA**

To:

(OPERATOR)

to drill a well to be known as

**McCulloch #1-1 Navajo**

(WELL NAME)

located

<sup>3</sup> 550' FNL and <sup>550'</sup> FWL (NW/4NW/4)

Section

1

Township

38N

Range

22E

Apache

County, Arizona.

The

W/2 of NW/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 2nd day of October, 1967.

OIL AND GAS CONSERVATION COMMISSION

By

*John Bannister*  
EXECUTIVE SECRETARY

PERMIT

Nº

433

RECEIPT NO.

9521

State of Arizona  
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

API No. 02-001-20057

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 8043399

That we: McCULLOCH OIL CORPORATION OF CALIFORNIA

of the County of: LOS ANGELES in the State of: CALIFORNIA

as principal, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND

of BALTIMORE, MARYLAND

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the Oil and Gas Conservation Commission, State of Arizona, in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents. The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas, helium, other minerals, or for stratigraphic purposes in and upon the following described land situated within the State, to wit:

Center NW/4 of NW/4 of Section 1, Township 38N, Range 22E,  
(May be used as blanket bond or for single well)

Apache County, Arizona.

(Single Well to depth of 6750')

CANCELLED

DATE 1-31-68

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect. Liability under this bond may not be terminated without written permission of this commission.

Penal sum of -----FIVE THOUSAND AND NO/100-----(\$5,000.00)-----Dollars

Witness our hands and seals, this 25th day of September 1967.

McCULLOCH OIL CORPORATION OF CALIFORNIA

By: M. M. Wille Principal EXECUTIVE VICE PRESIDENT

Witness our hands and seals, this 25th day of September 1967

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Attorney-in-Fact

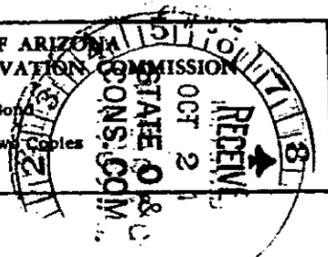
Surety, Resident Arizona Agent (If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date 10-2-67 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION By: John V. Bannister

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Form No. 2

Permit No. 433



Power of Attorney  
**FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH, Vice-President, and M. A. KELLY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint Richard L. Thiel, of Phoenix, Arizona.....

its true and lawful agent and Attorney -in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings.....

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 23rd day of September, A.D. 1957.....

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) M. A. KELLY By WM. H. C. GRIFFITH  
 (SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND }  
 CITY OF BALTIMORE } ss:

On this 23rd day of September, A.D. 1957, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) BEVERLY M. FERTIG  
 (SEAL) Notary Public Commission Expires May 4, 1959

**CERTIFICATE**

I, F. H. BECKWITH, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated September 23, 1957, in behalf of Richard L. Thiel of Phoenix, Arizona, is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and M. A. KELLY, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 25th day of September, 1957

[Signature]  
 Assistant Secretary

433

Power of Attorney  
**FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH, Vice-President, and JOHN C. GARDNER, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint Dillard Anderson, Jr., of Midland, Texas,.....

its true and lawful agent and Attorney -in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, each in a penalty not to exceed the sum of ONE HUNDRED THOUSAND DOLLARS (\$100,000).....

This power of attorney does not include bonds on behalf of Independent Executors, bonds on behalf of Community Survivors and bonds on behalf of Community Guardians.

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 19th day of November, A.D. 1963.

ATTEST: **FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

(SIGNED) JOHN C. GARDNER By WM. H. C. GRIFFITH  
(SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND } ss:  
CITY OF BALTIMORE }

On this 19th day of November, A.D. 1963, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) JOAN T. VOLENICK  
(SEAL) Notary Public Commission Expires May 3, 1965

**CERTIFICATE**

I, R. D. GILLISS, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated November 19th 1963, in behalf of Dillard Anderson, Jr., of Midland, Texas, is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and JOHN C. GARDNER, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_

433

Power of Attorney  
**FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

HOME OFFICE: BALTIMORE, MD.

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by WM. H. C. GRIFFITH, Vice-President, and JOHN C. GARDNER, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which reads as follows:

"The President, or any one of the Executive Vice-Presidents, or any one of the additional Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages, and also all other instruments and documents which the business of the Company may require, and to affix the seal of the Company thereto."

does hereby nominate, constitute and appoint Dillard Anderson, Jr., of Midland, Texas,.....

its true and lawful agent and Attorney -in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, each in a penalty not to exceed the sum of ONE HUNDRED THOUSAND DOLLARS (\$100,000).....

This power of attorney does not include bonds on behalf of Independent Executors, bonds on behalf of Community Survivors and bonds on behalf of Community Guardians.

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Maryland, in their own proper persons.

The said Assistant Secretary does hereby certify that the foregoing is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 19th day of November, A.D. 1963.

ATTEST: FIDELITY AND DEPOSIT COMPANY OF MARYLAND

(SIGNED) JOHN C. GARDNER By WM. H. C. GRIFFITH  
(SEAL) Assistant Secretary Vice-President

STATE OF MARYLAND }  
CITY OF BALTIMORE } ss:

On this 19th day of November, A.D. 1963, before the subscriber, a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and qualified, came the above-named Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the City of Baltimore, the day and year first above written.

(SIGNED) JOAN T. VOLENICK  
(SEAL) Notary Public Commission Expires May 3, 1965

**CERTIFICATE**

I, R. D. GILLISS, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the attached Power of Attorney dated November 19th 1963, in behalf of Dillard Anderson, Jr., of Midland, Texas, is a true and correct copy and that same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said WM. H. C. GRIFFITH and JOHN C. GARDNER, who executed the attached Power of Attorney as Vice-President and Assistant Secretary respectively, were on the date of the execution of the attached Power of Attorney the duly elected Vice-President and Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and that the said WM. H. C. GRIFFITH was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact or to authorize any person or persons to execute on behalf of the Company any bonds, recognizances, stipulations, undertakings, deeds, releases of mortgages, contracts, agreements and policies, and to affix the seal of the Company thereto as provided in said Article VI, Section 2 of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this day of \_\_\_\_\_, 19\_\_\_\_

August 28, 1968

Ms. Mary Campanella  
Dillard Anderson & Company  
P. O. Box 2  
Midland, Texas 79701

Re: McCulloch #1-1X Navajo  
T38N, R22E, G & SRM  
Sec. 1: NW/4 NW/4  
Apache County, Arizona  
Permit #433

Bond # 8043399 (Fidelity & Deposit  
Co. of America)

Dear Ms. Campanella:

Records of this office indicate that on 1-9-68 the McCulloch Oil Corporation of California fulfilled their obligations to the State of Arizona as to the requirements pertaining to the captioned well. We authorize termination of the captioned bond effective 1-31-68.

Yours truly,

James A. Lambert  
Administrative Assistant

JAL:jf

cc: McCulloch Oil Corporation of California



**DILLARD ANDERSON & COMPANY**

**BONDING AND INSURANCE**

August 27, 1968

P. O. Box 2  
MIDLAND, TEXAS 79701  
Telephone MUtual 2-0000

State of Arizona  
Oil & Gas Division  
1624 West Adams  
Phoenix, Arizona

Re: Fidelity and Deposit Company of Maryland  
Bond No. 80 43 399  
McCulloch Oil Corporation of California

Gentlemen:

We have been advised by McCulloch Oil Corporation of California that the above bond is no longer needed as they have plugged the well covered by this bond.

This plugging bond was issued on Well known as McCulloch 1-IX Navajo and located 350' from North Line and 500' from West Line Section 1, Township 38N, Range 22E, Apache County, Arizona.

If this well has been plugged and bond is no longer needed we will appreciate you writing us a letter of release in order that we may have the Company cancel said bond.

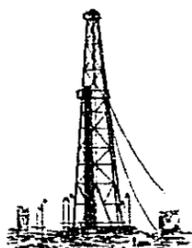
Yours very truly,

DILLARD ANDERSON & COMPANY

By: *Mary Campanella*  
Mary Campanella



433



ROBERT P. McCULLOCH, PRESIDENT

# McCULLOCH OIL CORPORATION OF CALIFORNIA



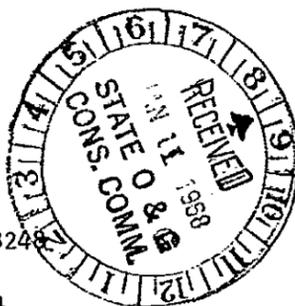
BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING  
6151 WEST CENTURY BOULEVARD - LOS ANGELES, CALIFORNIA 90045 - TELEPHONES: 776-1151 - 645-4280

924 Vaughn Building, Midland, Texas 79701

January 9, 1968

Mr. James R. Scurlock  
Oil and Gas Conservation Commission  
State of Arizona  
1624 West Adams, Suite 202  
Phoenix, Arizona 85007

Re: Navajo #1-1X  
Contract #14-20-0603-8248  
Lease #32560  
Apache County, Arizona



Dear Mr. Scurlock:

There is attached your Form No. 10, Plugging Record of subject well.

There were no samples caught on this well. We had planned to start catching samples above the top of the DeChelly since this well was a twin to our Navajo #1-1.

You should have received the samples from the Navajo #1-1 well by now.

Please advise if further information is needed.

Yours very truly,

K. G. Cervenka

KGC/be

433

November 28, 1967

McCulloch Oil Corporation of California  
924 Vaughn Building  
Midland Texas 79701

Re: McCulloch #1-1X Navajo  
NW NW 1-38N-22E Apache County, Arizona  
Permit 433

Gentlemen:

We have heard reports that captioned hole has been junked  
at 729 T.D.

As you are aware, this Commission should be kept currently  
informed on operations of all wells drilling anywhere  
within the State. Will you therefore forward the necessary  
reports to reflect the operations on this hole from spud  
date to current status.

For your information we are attaching a copy of a fact sheet.  
Should you have any questions, or if we may be of assistance  
to you, please contact us. Your cooperation is very much  
appreciated.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

November 16, 1967

NIGHT LETTER

DILLARD ANDERSON & COMPANY  
MUTUAL 2-0000  
MIDLAND TEXAS

FIDELITY & DEPOSIT COMPANY OF MARYLAND BOND 8043399 ACCEPTED AS TO  
MC CULLOCH OIL CORPORATION OF CALIF #1-1X NAVAJO WELL, LOCATED  
350 FNL AND 500 FWL IN NW NW SEC 1-38N-22E. SAME BOND HEREBY RE-  
LEASED FROM ALL RESPONSIBILITY AS TO MC CULLOCH #1-1 NAVAJO.

ARIZONA OIL & GAS CONSERVATION COMMISSION  
BY JOHN BANNISTER

433

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

# WESTERN UNION TELEGRAM

W. P. MARSHALL  
CHAIRMAN OF THE BOARD

R. W. McFALL  
PRESIDENT

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination *431P*

243P PST NOV 16 67 LC213

NSB472 NS MDA113 PD MIDLAND TEX 16 424P CST

OIL AND GAS CONSERVATION COMMISSION, ATTN JOHN BANNISTER

~~129~~ WEST ADAM ROOM 202 PHOENIX ARIZ

IN REFERENCE TO BOND NUMBER 8043399 MCCULLOUGH OIL CORP. OF

CALIFORNIA BOND TRANSFERRED TO NAVAJO 1-1X THIS DATE NEED RELEASE

FROM YOUR OFFICE ON NAVAJO 1-1 BY RETURN WIRE

DILLARD ANDERSON AND CO

8043399 1-1X 1-1(27).

*271-5161* *MR*  
*SP* *mld*

1967 NOV 16 PM 3 4A

C-55967

RV  
1967 NOV 16 PM 4 30

non



**DILLARD ANDERSON & COMPANY**

**BONDING AND INSURANCE**

P. O. Box 2

MIDLAND, TEXAS 79701

Telephone MUtual 2-0000

November 15, 1967

State of Arizona  
Oil & Gas Division  
1624 West Adams  
Phoenix, Arizona

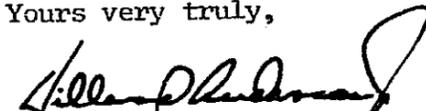
Re: Fidelity and Deposit Company of Maryland Bond  
No. 80 43 399 - McCulloch Oil Corporation of  
- California - to - State of Arizona  
-----

Gentlemen:

On September 25, 1967 we issued plugging bond in the amount of \$5,000.00 for the above and it was filed in your office on September 29, 1967. This bond covered a well to be drilled on the Center NW/4 of NW/4, Section 1, Twp. 38N, Range 22E, Apache County Arizona, and was to be drilled to a depth of 6750 ft.

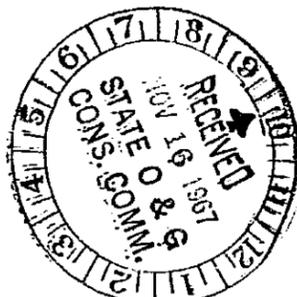
We were advised by the Midland office of McCulloch Oil Corporation of California that this well has been junked and abandoned at a depth of 5000'. We will appreciate very much if you would check your records on this location and if the above bond is no longer needed please advise us. We will need a release from you on this bond, and will appreciate you advising us of the status of this well at the present time.

Yours very truly,

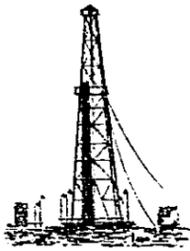
  
DILLARD ANDERSON & COMPANY

# 433

DA:mc



433



ROBERT P. McCULLOCH, PRESIDENT

# McCULLOCH OIL CORPORATION OF CALIFORNIA



BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING  
6151 WEST CENTURY BOULEVARD - LOS ANGELES, CALIFORNIA 90045 - TELEPHONES: 776-1151 - 645-4280

924 Vaughn Building, Midland, Texas 79701

November 13, 1967

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

Attention: Mr. J. R. Scurlock

Gentlemen:

Please find enclosed one Schlumberger Borhole Compensated Sonic Log-Gamma Ray on our Navajo #1-1 well located in Section 1, T-38-N, R-22-E, Apache County, Arizona.

Yours very truly,

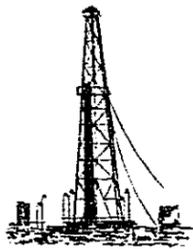
K. G. Cervenka

KGC/be



433

433



ROBERT P. McCULLOCH, PRESIDENT



# McCULLOCH OIL CORPORATION OF CALIFORNIA

BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING  
6151 WEST CENTURY BOULEVARD - LOS ANGELES, CALIFORNIA 90045 - TELEPHONES: 776-1151 - 645-4280

924 Vaughn Building, Midland, Texas 79701

November 15, 1967

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

Gentlemen:

With reference to our recent telephone conversation, please find enclosed an Application for Permit to Drill and location plats for the McCulloch Oil Corporation Navajo #1-1X which is a replacement well for the Navajo #1-1.

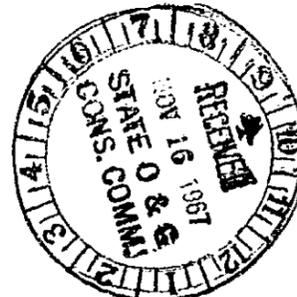
A single well bond for \$5,000 has been applied for on this well and will be forwarded to you as soon as received.

Yours very truly,

*K. G. Cervenka*  
K. G. Cervenka

KGC/be

*check \$ 25  
Bond  
letter  
Re #1*



433

# Fidelity and Deposit Company

HOME OFFICE OF MARYLAND BALTIMORE

BONDING



INSURANCE

RICHARD L. THIEL  
MANAGER  
A. GRANT KASSON, JR.  
ASSISTANT MANAGER  
KEITH M. HUGGINS  
SPECIAL AGENT

528 SECURITY BUILDING  
PHOENIX, ARIZONA 85004

TELEPHONE 254-9251

PLEASE QUOTE OUR FILE  
NUMBER IN YOUR REPLY

October 2, 1967

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

Re: Bond No. 80 43 399 - McCulloch Oil Corp. of Calif.

Gentlemen:

In accordance with your telephone request of today's date, we are enclosing herewith Power of Attorney for Mr. Richard L. Thiel. We are likewise requesting that Power of Attorney for Mr. Dillard Anderson, who executed the captioned bond on behalf of our company, be forwarded to you.

Very truly yours,

(Miss)V. M. Krautter  
Secretary to Mr. Thiel

vk\*  
encl.

433

# Fidelity and Deposit Company

HOME OFFICE OF MARYLAND BALTIMORE

BONDING



INSURANCE

RICHARD L. THIEL  
MANAGER  
A. GRANT KASSON, JR.  
ASSISTANT MANAGER  
KEITH M. HUGGINS  
SPECIAL AGENT

528 SECURITY BUILDING  
PHOENIX, ARIZONA 85004

TELEPHONE 254-9251 11-2-67

PLEASE QUOTE OUR FILE  
NUMBER IN YOUR REPLY

September 29, 1967

*Held for  
power of attorney*

State of Arizona  
Oil & Gas Division  
1624 West Adams  
Phoenix, Arizona

Re: Bond No. 80 43 399 - McCulloch Oil Corporation of  
California - to - State of Arizona (Well Driller's  
Bond - \$5,000.)

Gentlemen:

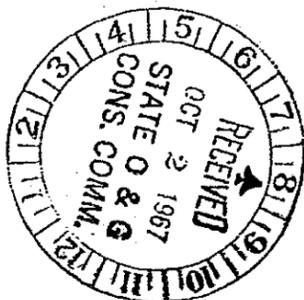
We are pleased to enclose herewith the captioned bond,  
in duplicate, effective September 25, 1967.

Please advise McCulloch Oil Company, Vaughn Building,  
Midland, Texas, when this bond has been approved.

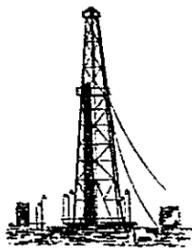
Very truly yours,

*[Signature]*  
Richard L. Thiel,  
Manager

RLT:vk  
encl.



433



ROBERT P. McCULLOCH, PRESIDENT



# McCULLOCH OIL CORPORATION OF CALIFORNIA

BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING  
6151 WEST CENTURY BOULEVARD · LOS ANGELES, CALIFORNIA 90045 · TELEPHONES: 776-1151 · 645-4280

924 Vaughn Building, Midland, Texas 79701

September 26, 1967

*Handwritten note:*  
Send for bond

The Oil and Gas Conservation Commission  
State of Arizona  
Phoenix, Arizona

Re: McCulloch Oil Corp.  
of California  
Navajo #1-1 Well,  
Section 1, T-38-N,  
R-22-E, Apache  
County, Arizona

Gentlemen:

Attached are all forms required for the drilling of subject well.

We are in the process of acquiring a bond and will forward to your office immediately upon receipt of same.

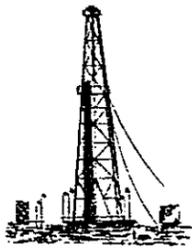
Yours very truly,

*Handwritten signature of Earl R. Bruno*

Earl R. Bruno

ERB/be





ROBERT P. McCULLOCH, PRESIDENT



# McCULLOCH OIL CORPORATION OF CALIFORNIA

BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING  
6151 WEST CENTURY BOULEVARD - LOS ANGELES, CALIFORNIA 90045 - TELEPHONES: 776-1151 - 645-4280

924 Vaughn Building, Midland, Texas 79701

September 20, 1967

Oil and Gas Conservation Commission  
of the State of Arizona  
Phoenix, Arizona

Re: McCulloch Oil Corp. of Calif.  
No. 1 Navajo located in  
Section 1, T-38-N, R-22-E  
Apache County, Arizona

Gentlemen:

Please mail us a supply of all forms necessary to be submitted to your Oil and Gas Commission for the drilling of a well in your State.

We would appreciate your immediate attention to this request since we have a October 1, 1967 commencement obligation.

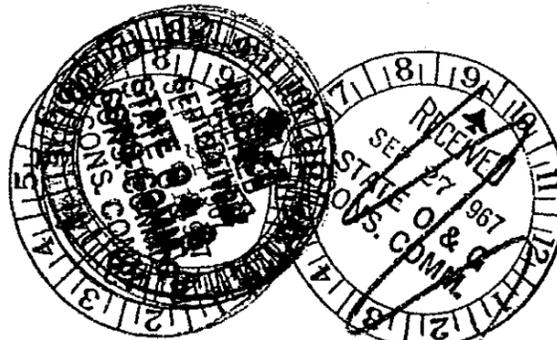
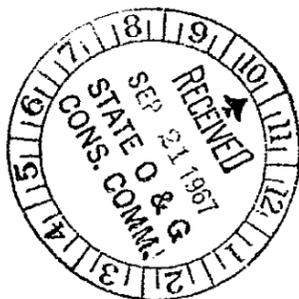
Please send the forms to McCulloch Oil Corporation of California, 924 Vaughn Building, Midland, Texas 79701.

Your cooperation in this matter will be appreciated.

Yours very truly,

Earl R. Bruno  
District Manager

ERB/be



*Mailed*  
9-21-67

433