

Monsanto Chem. Co. / Cabin Wash-Fed.
SW/4-NE/4 Sec 30-1wp14N-R14E
Coconino, County 74

P-W

P.E.

County Coconino

Area Cabin Wash

Lease No. AR-019272

Well Name Monsanto Chemical Company / Cabin Wash - Federal

Location SW NE Sec 30 Twp 14N Range 14E Footage 2047.58 FNL 1905.82 **FEL**

LS 6861 Spud Complete Total 3805
Elev 6854 Gr 6859 KB Date 4-11-59 Abandon 9-3-59 Depth 3805

Contractor: 6861 DF per USGS report Approx. Cost \$ 3811 per log in Prec C

Drilled by Rotary
Cable Tool

Casing Size See Reverse side of Depth this sheet for casing Cement

Production Horizon _____

Initial Production D & A

Pre 3650 AMST (3211)

REMARKS: No cores; No tests

No Miss. Deviation 3310-
Regulate 3650-3805 T.P.

The USGS Log in file relates practically the same info as would be in our well comp. report

Elec. Logs GRN - 2 scales
Applic to Plug Plugging Record Completion Report See Above

Sample Log LABORAT. 0-3805
Sample Descript _____
Sample Set T-1013 P-364
Cores _____

Water well - accepted by _____

Bond Co. & No. U. S. Fidelity & Guaranty Company 12084-13-196-59

Bond Am't \$ 2,500 Canceled 12-21-59 Date _____ Organization Report

Filing Receipt 60806 dated 3-19-59 Well Book Plat Book

Loc. Plat Dedication SWNE 30-14N-14E

API # 02-005-05027

PERMIT NO. 71 Date Issued 3-20-59

Formation Tops	Scout	Sample	E. Log	Remarks
Kaibab			surface	
Coconino			293	
Ft. Apache			1574	
Naco			2740	
Molas			3252	
Martin			3312	
^{pe} Cambrian ?		3650	3660 ?	
CASING RECORD				
Casing size	Put in well	pulled out	Left in well	
16" OD	35'	732	35'	
13 3/8 OD	1207	792	415	Collar buster; Cmtd w/90 sx
10 3/4 OD	2140	1923	217	" " " 50sx
8 5/8 OD	3016	3016	0	Mudded in to shut off water
7" OD	3480	3385	90'	" " " "

Core Analysis, DST charts, etc. _____

Set cement plugs as follows: 10 sx 3530-90', 35 sx 3300-3420', 45 sx 1630-90', 40 sx 1200-45', 45 sx 825-775', 25 sx 15'-surface. Set 4" OD steel marker in concrete 4' above ground level w/location marked thereon.

Item	Quantity	Unit	Notes
10' x 3530-90'	10	sq ft	
35' x 3300-3420'	35	sq ft	
45' x 1630-90'	45	sq ft	
40' x 1200-45'	40	sq ft	
45' x 825-775'	45	sq ft	
25' x 15'-surface	25	sq ft	

10-10-58

...

...

...

...

...

Plugging on ~~the~~ Cabin Wash - Section #1

3:00PM
8-27-59

Anderson - Moursauts - Midland

Surf - Kaibab
 Loc. 285'
 Setpac 1053
 Ft. Apache 1575'
 Waco 2774
 Molas 3231
 Miss; Dev? 3313
 Drilling 3700 ± 8-27-59
 hard sand last 200'

Surf 13 3/8
 1215'
 Cemented 90 SX
 no pull
 10 3/4 - 50 SX
 at 2080'
 pull

1095-1100 - Fresh
 1240-1250 - Fresh
 1630-1635 - "
 3360-3370 - "
 3510-3535 - "

TD - 3590 - Mudland	} Set Plugs through tubing
3590 - 3530 - Cement Plug	
3530 - 3420 - mud	
- 3360 - Cement Plug	
- 1690 - Mud	
- 1630 - Cement	
1600 - 1250 - Mud	
1200 - plug	
Surface - mud	

(Over)

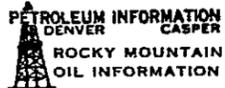
Mr. Wood - Monsanto - Midland
Telephone FCR 8-29 AM.

Plants begin plugging 8-29 PM.

Will cut $13\frac{3}{8}$ above 950', ^{and Poll;} set plug at
top of $13\frac{3}{8}$ circa 950'; 15' plug at surface
with marker imbedded.

Note: Surface to 950' cavernous; outcrops
in adjacent cañon, $\frac{1}{2}$ mile; carries no
water.

ARIZONA
COCONINO COUNTY
CABIN WASH (W)



Twp 14n-14e
Section 30
SW NE

OPR: Licn Oil (Monsanto)

WELL #: 1 Cabin Wash

ELEV: 6861 DF.

DSTS. & CORES:

SPUD: 4-11-59 COMPL: 8-31-59

*TOPS: Log-~~XXXX~~

TD: 3811 PB:

Coconino 293
Supai 1000
Ft Apache 1574
Anaco 2740
Molas 3252
Martin 3312
Cambrian 3660

No cores or tests.

CSG: 13-3/8" @ 1215 w/90
10-3/4" @ 2282 w/50
7-5/8" @ 3485

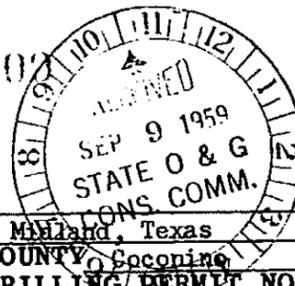
PERF:

PROD. ZONE:

INIT. PROD: D & A.

Contr: Cactus.

APPLICATION TO ABANDON AND PLUG



FIELD Wildcat
 OPERATOR Monsanto Chemical Co. ADDRESS Drawer 1829, Midland, Texas
 LEASE Cabin Wash WELL NO 1 COUNTY Soconing
 SURVEY Twp 14N, Rge 14E SECTION 30 DRILLING/PERMIT NO 71
 LOCATION 2047.58' FNL & 1905.82' FEL

TYPE OF WELL Dry hole TOTAL DEPTH 3805'
 (Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) Dry hole
 LAST PRODUCTION TEST OIL _____ (Bbls.) Water _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON Dry hole PRODUCING FROM _____ TO _____

- COMPLETE CASING RECORD 16" Conductor Pipe set @ 35' & mudded in.
13 3/8" 48# J-55 ST&C Csg set @ 1207.33 & cemented w/90 sx cmt.
10 3/4" 40.5# J-55 ST&C Csg set @ 2140' & cemented w/50 sx cmt.
8 5/8" 24# J-55 ST&C Csg set @ 3021.73 & mudded in.
7" 20# J-55 ST&C Csg set @ 3485.28 & mudded in.
8 5/8" & 7" set to shut off water.

2. FULL DETAILS OF PROPOSED PLAN OF WORK All space between cement plugs will be filled w/10# mud. Pull 3385' of 7" Csg, 3016' of 8 5/8" Csg, 1923' of 10 3/4" Csg, 792' of 13 3/8" Csg. Set cement plugs as follows: 10 sx 3530-90', 35 sx 3300-3420', 45 sx 1630-90', 40 sx 1200-45', 45 sx 825-775', 25 sx 15'-surface. Set 4" OD steel marker in concrete 4' above ground level w/location marked thereon.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? *. If not, outline proposed procedure above.
 *Verbal approval of the above plan of work received from Mr. Ryan on 8-29-59 to A. W. Wood.

DATE COMMENCING OPERATIONS 8-29-59
 NAME OF PERSON DOING WORK Cactus Drilling Co. ADDRESS Box 788, San Angelo, Texas
 CORRESPONDENCE SHOULD BE SENT TO Monsanto Chemical Co., Drawer 1829, Midland, Texas

NAME J. F. Reed (J. F. Reed)
 TITLE District Production Supt.

Date approved 11 September

Charles Kalil, M.D.

~~STATE OF ARIZONA, STATE OIL & GAS CONSERVATION COMMISSION~~
 OIL & GAS CONSERVATION COMMISSION
 STATE OF ARIZONA, ~~STATE OIL & GAS CONSERVATION COMMISSION~~
 OIL & GAS CONS. COMMISSION
 Application to Abandon and Plug
 Form No. 15A File 2 copies.
 Authorized by Order No. 4-6-59
 Effective April 6 19 59

Ream plug—Material _____ Length _____ () pth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Dry hole _____, 19____ Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

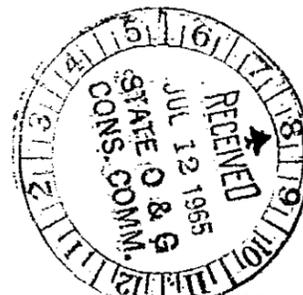
_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
293'			Coconino
1000'			Supai
1571'			Ft. Apache
2740'			NACC
3252'			Molas
3312'			Nartin
3660'			Cambrian
	3805		T.D.
			<u>Log Attached</u>

Note: This dry hole was P&A on 9-3-59. Hole was filled with 10" and cement plugs were set as follows: 10 sx 350-90', 35 sx 3300-3420', 45 sx 1630-90', 40 sx 1200-45', 45 sx 825-775', 25 sx 15'-surface. Set 1" OD steel marker in concrete 4' above ground level w/location marked thereon.

EXPLORATION RECORD—Continued



Form B-301a
(Feb. 1951)

	X	

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 12-R338.4
 Approval expires 12-31-60.

Land Office Arizona
 Lease No. 019222
 Unit Catin-wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... May 3, 1960

Well No. 1 is located 2047.58 ft. from (N) line and 1905.87 ft. from (E) line of sec. 30
NE/4 30 14N 14E GSPFH
(Of Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Coconino Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

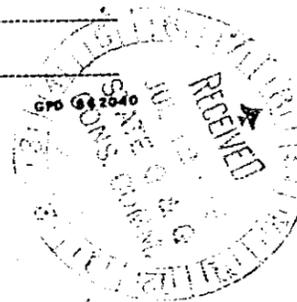
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-3-59 Drilled well to TD of 3805' in Sand no show oil or gas. All space between cement plugs was filled w/10% mud. Filled 3385' of 7" csg, 3016' of 8 5/8" csg, 1923' of 10 3/4" csg, 792' of 13 3/8" csg. Set cement plugs as follows: 10 ex 3530-90', 35 ex 3300-3420', 45 ex 1630-90', 40 ex 1200-45', 45 ex 825-775', 25 ex 15'-surface. Set 4" OD steel marker in concrete 4' above ground level w/location marked thereon.

Verbal approval of the above plan of work received from Mr. Krahl.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Monsanto Chemical Co.
 Address Drawer 1829
Midland, Texas
 By [Signature]
 Title Dist. Prod. Supt.



Form 3-331a
(Feb. 1951)

	X	

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R338.4
 Approval expires 12-31-60.
 Land Office Arizona
 Lease No. 019222
 Unit Cabin-Cach

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	X	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 8, 1959

Well No. 1 is located 2047.58 ft. from N line and 1905.82 ft. from E line of sec. 30
NE/4 30 14N 14E GSPFM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Coconino Arizona
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6861 ft.

DETAILS OF WORK

State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work

7-5-59 Drilled 12 1/2" hole to TD 2282' shale.
 Set 10 3/4" 40.5# J-55 ST&C casing at 2140' & cemented w/50 ex regular cement. Job complete 8:00 P.M.

7-6-59 WOC

7-7-59 WOC 48 hrs & tested w/1,000 psi for 30 min, held OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Monsanto Chemical Co.

Address DRAWER 1829

Midland, Texas

By [Signature]

Title Reg. Prod. Surt.

GPO 3 18307

Form 9-331a
(Feb. 1951)

	X		

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4
Approval expires 12-31-60.

Land Office Arizona
 Lease No. 019222
 Unit Cabin Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	X	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	JUN 16 1959
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1 is located 2047.58 ft. from 14N line and 1905.82 ft. from 30 line of sec. 30
 June 8, 1959
30 (Twp.) 14E (Range) GSPFM (Meridian)
Wildcat (Field) Coconino (County or Subdivision) Arizona (State or Territory)

The elevation of the derrick floor above sea level is 6861 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 5-26-59 Drilled 15" hole to TD 1216' Red Shale.
- 5-27-59 Set 13 3/8" 48# J-55 ST & C csg. at 1215' & cemented to 790' w/90 ax. Reg. cement. Plug down 4:00 P.M.
- 5-29-59 WCC 48 hrs. and tested casing w/1000 psi for 30 min., held ok.

RECEIVED

JUN 17 1959

SW REGION

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Monsanto Chemical Co.

Address Drawer 1829

Midland, Texas

By [Signature]
 Title Dist. Prod. Supt.

GPO 9 18507

STATE LAND DEPARTMENT
STATE OF ARIZONA

Form OG 51

Form Prescribed Under Oil and Gas Conservation Act of 1951

NOTICE OF INTENTION TO DRILL NEW WELL

This notice and surety bond must be filed and permit must be granted before drilling begins

State Land Commissioner Phoenix Ariz. March 17, 19 59

In compliance with Statewide Rule 3, notice is hereby given that it is our intention to commence the work of drilling well No. 1 Sec. 30, Twp. 14N, Rge. 14E B. & M., Wildcat Field, Coconino County.

Legal description of lease Section 30: lots 1, 2, 3, 4, E 1/2 W 1/2, E 1/2 (All)
(attach map or plat to scale)

T-14-N, R-14-E, CSRPM, Coconino Co., Arizona (Name of lease Cabin-Wash)

Location of Well: 1905.82' FEL & 2047.58' FNL of Section 30 SWNE
(Give exact footage from section corners or other

legal subdivisions or streets)

Proposed drilling depth 3500' feet. Acres in drilling unit 40

Has surety bond been filed? Yes (Attached) Is location a regular or exception to spacing rule? Regular.

Elevation of ground above sea level 6855' feet.

All depth measurements taken from top of Derrick Floor
(Derrick, floor, Rotary Table or _____ which is 6 feet above the ground.
(Kelly Bushing)

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade & Type	Top	Bottom	Cementing Depths
13 3/8" OD	48#	H-40 8rd	Surface	850'	Cmt. to surface
5 1/2" OD	14#	J-55 3rd	"	3500'	Cmt. to 3000'

Intended Zone or Zones of completion:
Name Perforated Interval
Pre-Cambrian 3270 - 3500

AFFIDAVIT:

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

Monsanto Chemical Company
(Applicant)
By J. F. Reed (J. F. Reed)

Application approved this 20th day of March 19 59

Permit No. 71
3-62 1/10/58

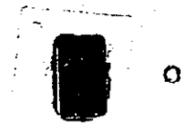
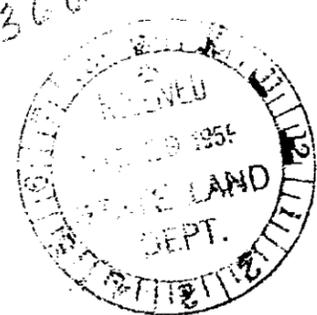
Obel M. Larson
State Land Commissioner
OK per PW
3-20-59

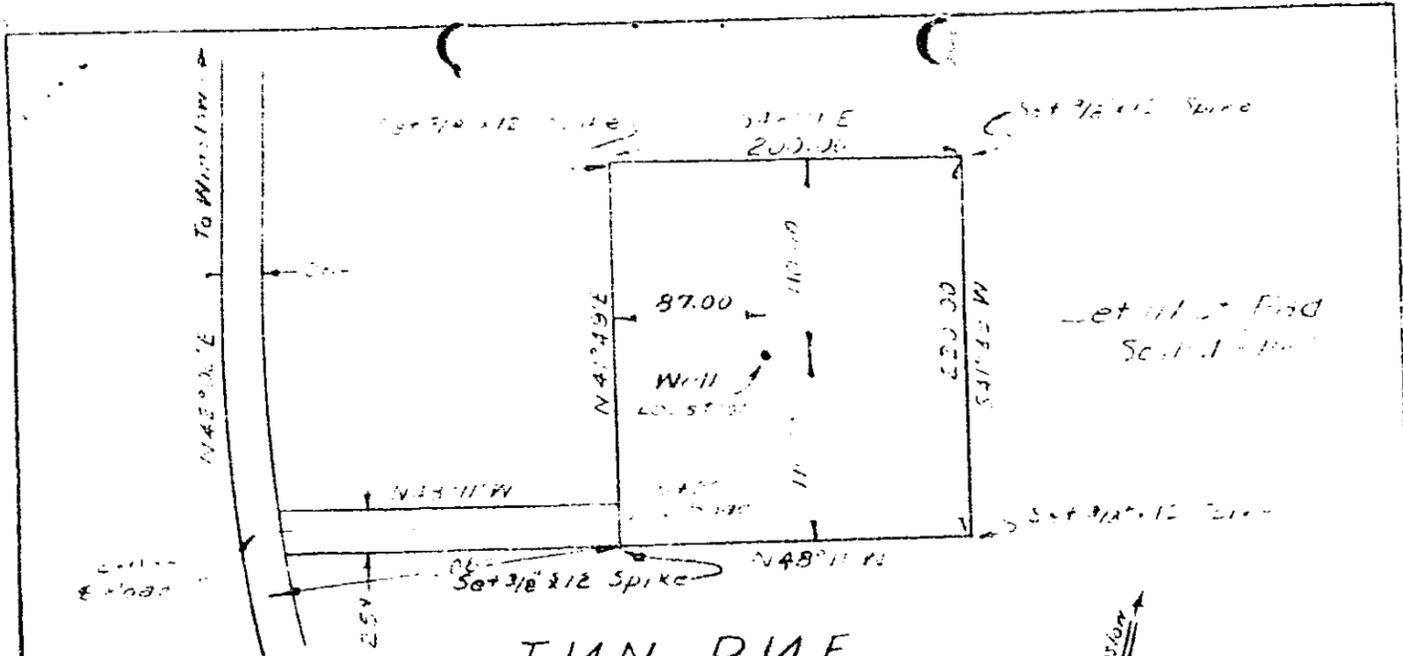
Please wire approval collect: Monsanto Chemical Co., 602 West Missouri, Midland, Texas

10-1-1954

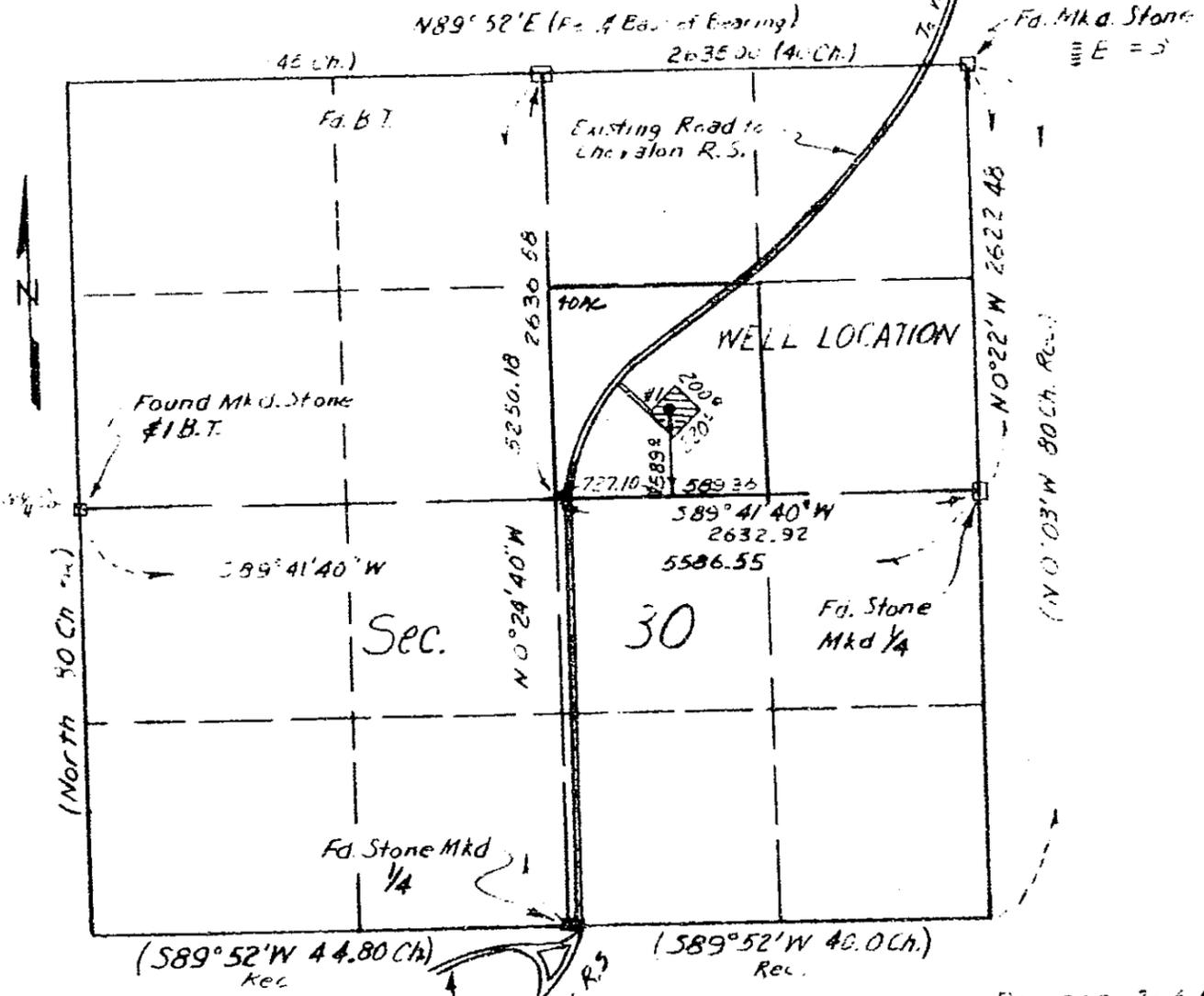
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4366





TIAN RIAE



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

[Signature]
 W. Bryden, Reg. Prof. Engr.

CABIN WASH No. 1
 Monsanto Chemical Corp.
 Midland, Texas
 Scale: 1"=1000' Feb. 5, 1959
 ARIZONA ENGINEERING CO
 Flagstaff

Revised 12-16-58
 Revised 12-9-58

4366

4366



new address 12/7/76
Mort into
1300 Midland North Bank Tower
500 West Texas
Midland Texas 79701



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

August 21, 1974

Dr. Burr Silver
Department of Geology
Arizona State University
Tempe, Arizona 85281

Dear Dr. Silver:

Enclosed are the following logs which were requested by your department this date:

Eastern Petroleum Moqui Bardo #1, Permit #464, Gamma Ray-Neutron
Monsanto Chemical Cabin Wash #1, Permit #71, Gamma Ray-Neutron ✓
Willard Pease Federal #1, Permit #475, Gamma Ray-Neutron
Sidney Steinberg Flowalt-Babbitt-Fee #1, Permit #376, Dual
Induction-Laterolog
James R. Pickett Pardre Canyon State #1, Permit #240, Induction-
Electrical Log
Roy Owen Company Diablo Amarillo 12-1, Permit #186, Induction-
Electrical Log

Please return the above listed logs at your earliest convenience.

If we can be of any further assistance, please advise.

Very truly yours,

W. E. Allen, Director
Enforcement Section

Mrs. Rhema Brandt
Secretary to W. E. Allen

/rlb

Enc.

June 10, 1970

Mr. W. Quinten Cole
District Ranger
U. S. Department of Agriculture
Forest Service
Sitgreaves National Forest
Chevelon Ranger District

Re: Monsanto Chemical Company Cabin Wash #1 Federal
Sec. 30: SW/4 NE/4
T14N, R14E, G & SRM
Coconino County
Our File #71

Dear Mr. Cole:

Enclosed is a copy of the data in our files on the Cabin Wash well. If we can be of further service, please advise.

Sincerely,

James Scurlock
Geologist

JS:jd
Enc.

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Sitgreaves National Forest
Chevelon Ranger District



May 29, 1970

Oil and Gas Conservation Commission
1624 W. Adams
Phoenix, Arizona



Dear Sir:

We would appreciate any information you could provide on an exploratory well drilled by the Monsanto Chemical Company. The monument standpipe is in Section 30, T14N, R14E, Gila and Salt River Base Meridian. This is located on the Chevelon Ranger District, Sitgreaves National Forest, Coconino County, Arizona.

Additional information is as follows:

Name--Cabin Wash No. 1
Contractor--Cactus Drilling
Total depth--3811 feet
Plugged and abandoned--8/31/59

We would appreciate a copy of the log and/or any other pertinent information.

Thank you for your help.

Sincerely,

W. Quinten Cole
District Ranger

BOND

KNOW ALL MEN BY THESE PRESENTS,

That we: Monsanto Chemical Company

of the County of: St. Louis in the State of: Missouri

as Principal, and United States Fidelity and Guaranty Company

of Baltimore, Maryland authorized to do business within the State of Arizona,

as surety, are held and firmly bound unto the 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 condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

NE1/4 Sec. 30-14N-14E, Coconino County, Arizona
(May be used as blanket bond or for single well)

CANCELLED

DATE 12-21-59

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 State Land Commissioner, 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 State Land Commissioner all notices and records required by said Commissioner, 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.

Penal sum of Two Thousand Five Hundred Dollars

Witness our hands and seals, this 20th day of January 1959

ATTEST: J. H. Davis Assistant Secretary
G. A. Bible By Vice President Principal

Witness our hands and seals, this 20th day of January 1959

COUNTERSIGNED UNITED STATES FIDELITY AND GUARANTY COMPANY
BY Harmon Johnson of Baltimore, Maryland
RESIDENT AGENT U. S. F. & G. CO. By Robert H. Brown, Jr. Surety
Agent and Attorney-in-Fact residing in El Dorado, Arkansas.

(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 March 20, 1959
Date

Obed M. Lassen
STATE LAND COMMISSIONER

71

(CERTIFIED COPY)

GENERAL POWER OF ATTORNEY

No. 69903

Know all Men by these Presents:

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint R. R. Brown, Robert R. Brown, Jr. and Andrew G. Ritger

of the City of El Dorado, State of Arkansas its true and lawful attorney

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever anyone of the said R. R. Brown and the said Robert R. Brown, Jr. and the said Andrew G. Ritger

may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this 3rd day of August, A. D. 19 56

UNITED STATES FIDELITY AND GUARANTY COMPANY.

(SEAL)

(Signed) By L. M. Smith Vice-President

(Signed) E. W. Buffington Assistant Secretary

STATE OF MARYLAND } as: BALTIMORE CITY.

On this 3rd day of August, A. D. 19 56 before me personally came L. M. Smith, Vice-President of UNITED STATES FIDELITY AND GUARANTY COMPANY and E. W. Buffington, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland; that they, the said L. M. Smith and E. W. Buffington were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so affixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company.

My commission expires the first Monday in May, A. D. 19 57

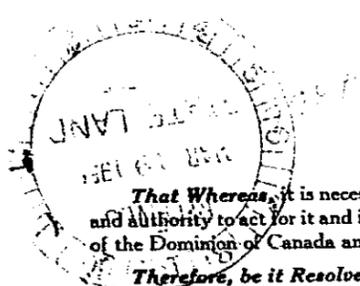
(Seal) (Signed) Nan C. Zimmerman Notary Public

STATE OF MARYLAND } Sect. BALTIMORE CITY.

I, M. Luther Pittman, Clerk of the Superior Court of Baltimore City, which Court is a Court of Record, and has a seal, do hereby certify that Nan C. Zimmerman, Esquire, before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court of Record, this 3rd day of August, A. D. 19 56

(SEAL) (Signed) M. Luther Pittman Clerk of the Superior Court of Baltimore City.



COPY OF RESOLUTION

That *Whereas*, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I, **G. P. Moore**, an Assistant Secretary of UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to **R. R. Brown, Robert R. Brown, Jr. and Andrew G. Ritger**

of **El Dorado, Arkansas**, authorizing and empowering **them** to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of UNITED STATES FIDELITY AND GUARANTY COMPANY on

(Date)

January 20, 1959

Assistant Secretary.



SAMUEL P. GODDARD
GOVERNOR
LYNN LOCKHART
CHAIRMAN
R. KEITH WALDEN
VICE CHAIRMAN
ORME LEWIS
MEMBER
LUCIEN B. OWENS
MEMBER

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

JOHN BANNISTER
EXECUTIVE SECRETARY
J. R. SCURLOCK
PETROLEUM GEOLOGIST

[Handwritten signatures]

June 7, 1965

~~Monsanto Chemical Company~~
~~Drawer 1829~~
~~Midland, Texas~~

Re: Monsanto Chemical Company Cabin-Wash Federal #1
SW/4-NE/4 30-T14N-R14E, Coconino County, Arizona
Permit 71

Gentlemen:

Our file for captioned well does not reflect that the required information has been submitted. Will you please forward to the office the following information:

Well Completion Report and copies of all logs ✓

Forms are enclosed for your convenience.

Your earliest cooperation is appreciated.

Yours very truly,

John Bannister
John Bannister
Executive Secretary

Monsanto Company
900 Patterson Building
Denver, Colorado 80202

Enclosure
cb

7-8-65

Oil & Gas Conservation Commission
State of Arizona

Gentlemen:

We are sorry to be so late complying with your request. Our district lines of operation have changes more than once since this well was drilled and your letter has been referred to one and then another until a file on the well was found. We had to get the logs from a service here in Denver. Please advise if the enclosed items do not fullfill your requirements.

Joe A. Larkin, Production Clerk

STATE of ARIZONA
OIL and GAS CONSERVATION COMMISSION
CAPITOL ANNEX
ROOM 202
1624 WEST ADAMS STREET
PHOENIX, ARIZONA

COMPANY Lion Oil Company-Division of DATE 9-1-1964
Monsanto Chemical Company
RE: WELL NAME & NUMBER: Cabin Wash Federal #1
LOCATION: SECTION 30 TWP. 14N R. 14E COUNTY Coconino
FILE NUMBER 71

Gentlemen:

We have reviewed our files and find that we need the below checked item (s) in order to complete same. Will you please fill in the enclosed form (s), at your earliest convenience, and return them to this office. May we remind you that your bond (# Not Applicable,

issued by Not Applicable XXXXXXXXXXXXXXXXXXXX) can be forfeited for failure to comply.

In addition we request a copy of any log run on this ~~XXXXXX~~ (these) well (s).

Your cooperation is appreciated. If we may be of service to you please advise.

Yours very truly,

Bill Cooper

Bill Cooper
Records Section

Completion Record

Well Log

cc/Bonding Company

Plugging Record

Application to plug and abandon

January 6, 1960

Mr. V. M. Basil, District Landman
LION OIL COMPANY
P. O. Box 3132
Durango, Colorado

RE: Monsanto Chemical Co. Cabin Wash-Fed. #1
USF & G Bond #12084-13-196-59
Lion Lease No. 73-21545-01
Sec. 30, T. 14 N., R. 14 E.

Dear Mr. Basil:

Your letter of December 28, 1959, addressed to the State Land Department, has been referred to our office.

Replying to your request for release of bond, for the above, we wish to advise that the bond was released, at the request of Mr. Wesley Chalfant, Regional Landman, Lion Oil Company, 602 W. Missouri Street, Midland, Texas, and our letter, dated December 21, 1959 went to him.

We are sending a copy of this letter to Mr. Chalfant, in Midland, and trust that the above handles your request.

If we can be of further assistance, please advise.

Yours very truly,

William F. Maule,
Petroleum Engineer

WFM:mar

cc: Mr. Wesley Chalfant, Regional Landman
602 W. Missouri Street
Midland, Texas

21

LION OIL COMPANY

A DIVISION OF MONSANTO CHEMICAL COMPANY



PRODUCTION AND EXPLORATION
ROCKY MOUNTAIN REGION
DURANGO DISTRICT

REPLY TO:
WEST BUILDING
P. O. BOX 3132
DURANGO, COLORADO

December 28, 1959

State Land Department
State of Arizona
407 State Office Building
Phoenix, Arizona

Re: USF&G Bond #12084-13-196-59
Lion Lease No. 73-21545-01

Gentlemen:

In the early part of 1959 a Drilling Bond in the amount of \$2,500 in favor of the State of Arizona covering our #1 Cabin Wash Well was issued. Said well was drilled in the NE $\frac{1}{4}$ of Section 30, T. 14 N., R. 14 E., Coconino County, Arizona. The well was D&A September 3, 1959. This well was drilled on a United States of America lease bearing Arizona Serial No. 019222.

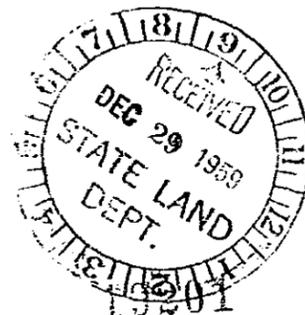
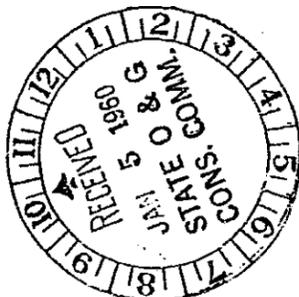
The bond referred to above has an anniversary date in January, 1960. We do not wish to pay the premium and renew this bond. We would appreciate it if you would furnish us with a release which we may supply to our bonding company.

Very truly yours,

LION OIL COMPANY

John Basil
V. M. Basil
District Landman

VMB:vks



LION OIL COMPANY

A Division of Monsanto Chemical Company

P. O. BOX 3132
DURANGO, COLORADO



STATE OF ARIZONA

★ VIA AIR MAIL ★

State Land Department
State of Arizona
407 State Office Building
Phoenix, Arizona

December 21, 1959

Mr. Wesley Chalfant, Regional Landman
LEON OIL COMPANY
602 W. Missouri Street
Midland, Texas

RE: Monsanto Chemical Co.
Cabin Wash - Fed. #1
Sec. 30, T 14 N, R 14 E

Dear Mr. Chalfant:

We are returning herewith, your letter requesting approval for release of bond, properly executed.

We are also enclosing herewith, Well Completion and Well Log Form P-7, in triplicate, and ask that you can furnish us with any additional information. You can understand that geological information on wells in this State, is highly desirable.

May we invite you to consider further drilling in our State.

Sincerely,

William F. Maule,
Petroleum Engineer

WFM:mar

Enclosures:

LION OIL COMPANY
A DIVISION OF
MONSANTO CHEMICAL COMPANY
MIDLAND, TEXAS

December 14, 1959

C
O
P
Y
State Land Department
State of Arizona
Phoenix, Arizona.

Attention: Frederick J. Ryan
Supervisor
Oil and Gas Conservation

Gentlemen:

In March of 1959 our Company filed with your Department a bond, in the amount of \$2500.00, covering the NE $\frac{1}{4}$ of Section 30, T-14-S, R-14-E, Coconino County, Arizona, in connection with the drilling of our #1 Cabin wash. This bond was dated January 20, 1959, and United States Fidelity and Guaranty Company was the surety. This well has now been drilled in accordance with your rules and regulations, and has been plugged and abandoned. It is our desire to have this bond released, and we are requesting by this letter that you authorize cancellation of the bond.

I do not know what evidence you might need to grant this authority, but am enclosing a photostatic copy of a letter from the Forest Service stating that the area has been cleared up, and all of the requirements of the Forest Service met.

Since I am not familiar with your procedure, I am preparing this letter so that you can indicate your acceptance on the letter itself to avoid your writing a separate letter.

State Land Department

-2-

December 14, 1959

If the letter meets with your approval, we would appreciate your executing it below and returning the original to us. Thank you very much for your cooperation.

Very truly yours,

MONSANTO CHEMICAL COMPANY

By: Wesley Chalfant
Wesley Chalfant - Regional Landman
Lion Oil Company Division

AUTHORITY IS HEREBY GRANTED
FOR CANCELLATION OF THE BOND
REFERRED TO HEREIN:

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
~~State Land Department~~

By: WJM

wC:dc

Encl.

cc: J. R. Fendley, LOC, Houston, Tex.
cc: J. E. Bucy, LOC, Denver, Colo.

Copy to RIW & Bucy

cit. A.W.D.

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SITGREAVES NATIONAL FOREST



ADDRESS REPLY TO
FOREST SUPERVISOR
AND REFER TO

HOLBROOK, ARIZONA

2710

November 30, 1959

Mansanto Chemical Company
P. O. Drawer 1829
Midland, Texas

Gentlemen:

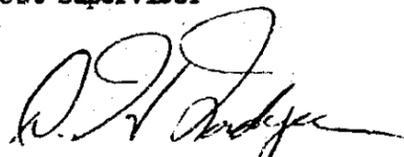
Our District Ranger at Chevelon, has advised us that you have completed using the site covered by your Special Use Permit for Road Right-of-Way and Drilling Mat across portions of ~~SW 1/4~~ Section 30, T. 14 N., R. 14 E., G&SRB&M, Coconino County, Arizona, and the area has been cleaned up and all requirements met.

At the request of Mr. J. F. Reed, your representative, and the recommendation of our District Ranger, we are therefore closing the case in our files.

Thank you for your cooperation in connection with this permit.

Very truly yours,

C. K. SPAULDING
Forest Supervisor

By 
D. H. Fordyce, Acting

September 16, 1959

Monsanto Chemical Company
Drawer 1829
Midland, Texas

Attention: J. F. Reed, District Production Supt.

Gentlemen:

We are enclosing herewith for your file copies of your Application to Abandon and Plug and the Plugging Record for Cabin-Wash Well No. 1 in Coconino County.

Please feel free to call on us if we can be of service.

Yours very truly,

D. A. Jerome
Executive Secretary

Encls. 2

jds

May 15, 1959

Monsanto Chemical Company
Drawer 1829
Midland, Texas

Attention: J. F. Reed

Dear Mr. Reed:

I am writing to acquaint you with the program for the collection of sample cuttings from wells drilled in Arizona and to request your cooperation in helping us carry out this program.

The overall policy of collecting and preserving sample cuttings is a joint program between the Arizona State Land Department, the U. S. Geological Survey Ground Water Branch, the Arizona Bureau of Mines, and the Museum of Northern Arizona.

Inasmuch as your particular concern is the drilling of an oil test well, I will confine my discussion to the phase of the program directly bearing on your operation.

Under the law it is mandatory that samples of cuttings and core chips taken at all intervals from all oil and gas test wells, as well as logs and other pertinent data, be filed with the State Land Commissioner within six months after the well is completed or abandoned.

The sample cuttings from all oil and gas test wells in Arizona are collected and cut to supply either two or three complete sets of samples, depending on the location of the well. All test wells in the northern part of the State (Plateau Uplands) are cut to make three complete sets: One set for the loan library at the State Land Department, Phoenix, Arizona; one set for the permanent library at the Arizona Bureau of Mines, University of Arizona, Tucson, Arizona; and one set for the Research Center, Museum of Northern Arizona, Flagstaff, Arizona. All wells drilled in the southern part of the State (Basin and Range Lowlands) are cut to make two complete sets: One set for the State Land Department and one set for the Arizona Bureau of Mines.

Mr. J. F. Reed
May 15, 1959
Page 2

Inasmuch as your well is located in the northern part of the State, a large enough sample of cuttings will be needed to make three complete sets.

Arrangements for handling the samples should be made directly through me or the State Land Department.

We sincerely appreciate your cooperation in this matter. If we can serve you in any way, please feel free to call on us.

Very truly yours,

Phillip W. Johnson,
Geologist

PWJ:mb

March 23, 1959

Monsanto Chemical Company
Drawer 1829
Midland, Texas

Attention: J. F. Reed

Dear Mr. Reed:

We are transmitting herewith your copy of the receipt in the amount of \$25.00 covering the permit fee for a well to be drilled in Section 30, Township 14 North, Range 14 East, Coconino County, Arizona. We are also inclosing a copy of "Notice of Intention to Drill New Well" which has been approved by the State Land Commissioner and constitutes your Permit No. 71 for the subject well.

If you have any questions, or if we can be of service to you in the future, please do not hesitate to call on us.

Very truly yours,

STATE LAND COMMISSIONER

By: Frederick C. Ryan,
Supervisor,
Oil and Gas Conservation

FCR:mb
Encls. (2)

DOMESTIC SERVICE	
Check the class of service desired; otherwise this message will be sent as a full rate telegram	
FULL RATE TELEGRAM	SERIAL
DAY LETTER	NIGHT LETTER

WESTERN UNION

1206

INTERNATIONAL SERVICE	
Check the class of service desired; otherwise this message will be sent at the full rate	
FULL RATE	DEFERRED
CODE	NIGHT LETTER

W. P. MARSHALL, PRESIDENT

NO. WDS.-CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	TIME FILED
	COLLECT		MONSANTO CHEMICAL CO.	5:00 P. M. March 20, 1959

Send the following message, subject to the terms on back hereof, which are hereby agreed to

MONSANTO CHEMICAL CO.
602 WEST MISSOURI
MIDLAND, TEXAS

YOUR DRILLING PERMIT #71 COVERING CABIN WASH APPROVED THIS DATE.

STATE LAND COMMISSIONER

Phoned by: MB

71

