

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet _____
 Location Map Pinned ✓
 Card Indexed ✓
 IWR for State or Fee Land _____

Checked by Chief R.D.
 Copy NID to Field Office ✓
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 8-4-62
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA ✓

Location Inspected USGS
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log 7-18-62
 Electric Logs (No.) 2
 E _____ I _____ E-I ✓
 Lat _____ Mi-L _____ Sonic ✓

GR _____ GR-N _____ Micro _____
 Others _____

Subsequent Report of Abandonment

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL

Navajo Tribal 14-20-603-402B

1. APPLICATION FOR PERMIT TO:

DRILL [X] DEEPEN [] PLUG BACK []

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Tribal

7. UNIT AGREEMENT NAME

OIL WELL [X] GAS WELL [] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []

2. OPERATOR

Monsanto Chemical Company

8. FARM OR LEASE NAME

Ahkeah

3. ADDRESS

1310 Denver Club Building, Denver 2, Colorado

9. WELL NO.

1

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

10. FIELD AND POOL, OR WILDCAT

At surface 660' FWL and 1980' FWL of Section 4

Wildcat

11. SEC., T., R., M., OR BLK. & SURVEY, OR BLK. & AREA

Sec. 4, T42S, R21E

At proposed prod. zone Ismay, the top of which is anticipated at 5,038' true vertical depth

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles east of Mexican Hat, Utah, but no road. 45 road miles NW of Red Mesa, Arizona

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE-FT. (Also to nearest drlg. unit line, if any) 1,320' from lease line

16. NO. OF ACRES IN LEASE

1,520

17. NO. OF WELLS ON THIS LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO SAME RESERVOIR(S)

One

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED FOR WELL ON THIS LEASE--FT.

None

19. PROPOSED DEPTH

5,775'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS Derick Floor Rotary Kelly Bushing Rotary Table Ground Other

4,638

22. APPROX. DATE WORK WILL START

June 20, 1962

23. KIND AND STATUS OF BOND

Nation wide Indian bond in effect

24. IF LEASE PURCHASED WITH ANY WELLS DRILLED, FROM WHOM PURCHASED (Name and address)

No wells

25. PROPOSED CASING AND CEMENTING PROGRAM

Table with 6 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, NEW OR SECOND HAND, DEPTH (MD), SACKS OF CEMENT. Rows include 12 1/4" hole with 8 5/8" casing, 7 7/8" hole with 5 1/2" casing, and 7 7/8" hole with 5 1/2" casing.

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

The 5 1/2" casing, if run, will be through the productive horizon, adequately cemented to confine all oil, gas and water bearing strata; and perforated for production.

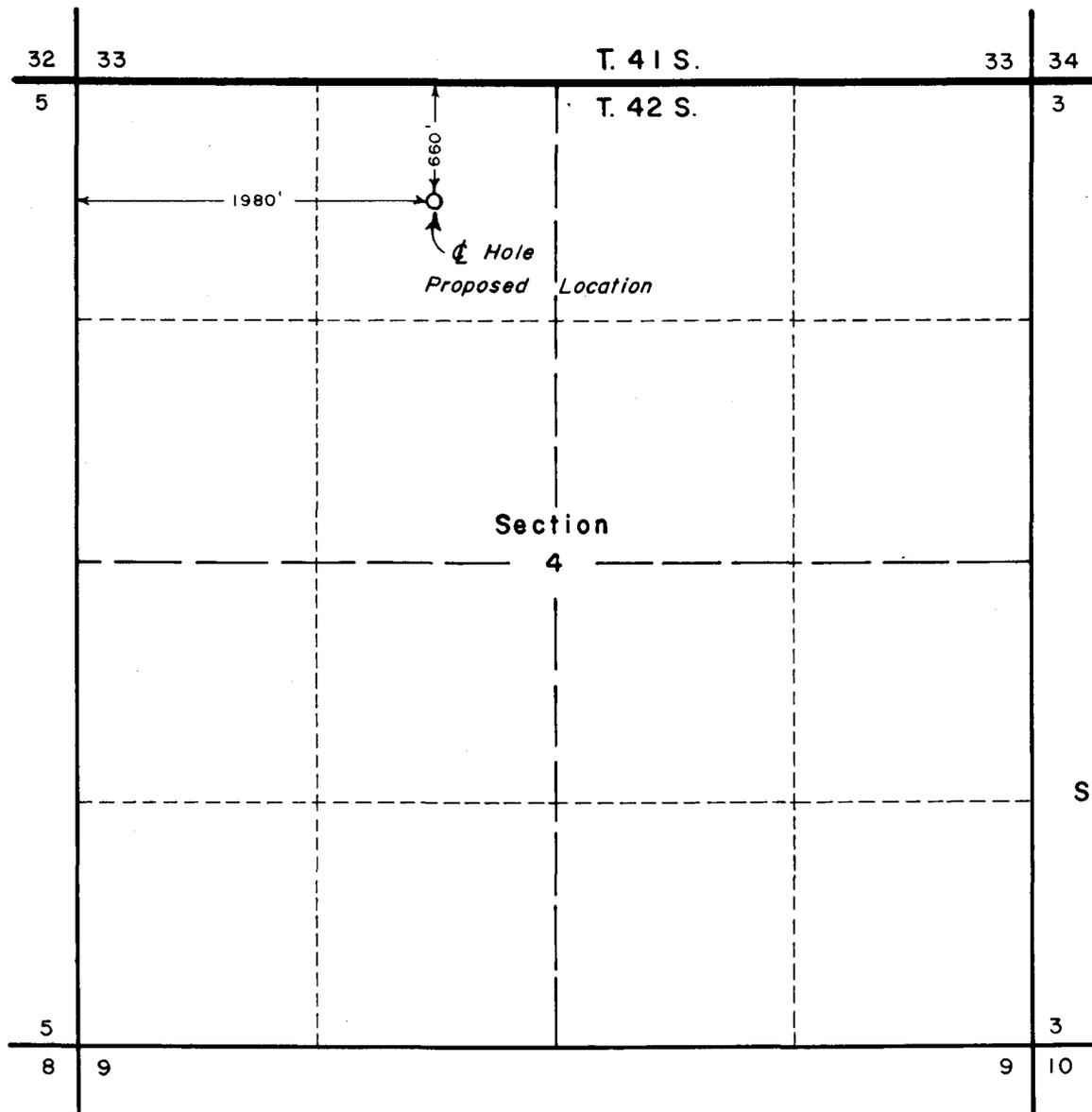
E. M. Clark & Associates, P. O. Box 3031, Durango, Colorado, have surveyed this well location. Well location plats are being mailed direct to the U. S. G. S. in Farmington, New Mexico, and to the Utah Oil and Gas Conservation Commission in Salt Lake City, Utah.

26. SIGNED [Signature] TITLE Regional Production Supt. DATE 6-15-62

(This space and space 28 for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE DATE



WELL LOCATION: Monsanto Chemical Co. — Ahkeah # 1

Located 660 feet South of the North line and 1980 feet East of the West line of Section 4,
 Township 42 South, Range 21 East, Salt Lake Base & Meridian.
 San Juan Co., Utah
 Existing ground elevation determined at 4638 feet based on adjoining well location.



The above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Elmer M. Clark

ELMER M. CLARK
 Registered Land Surveyor
 State of Utah # 2307

MONSANTO CHEMICAL COMPANY Denver, Colorado	
WELL LOCATION PLAT NE 1/4-NW 1/4 Sec. 4, T42 S, R21 E San Juan Co., Utah	
E.M. CLARK & ASSOC. Durango, Colorado	DATE: June 13, 1962 FILE NO: 62043

June 18, 1962

Monsanto Chemical Company
1310 Denver Club Building
Denver 2, Colorado

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Ahkeah #1, which is to be located 660 feet from the north line and 1980 feet from the west line of Section 4, Township 42 South, Range 21 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this Commission in accordance with Rule C-4, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cn

cc: P. T. McGrath, Dist. Eng.
USGS - Farmington, New Mexico

H. L. Coonts, Petroleum Eng.
OGCC - Moab, Utah

Encl.

MONSANTO CHEMICAL COMPANY

HYDROCARBONS DIVISION
PRODUCTION AND EXPLORATION DEPARTMENT

June 22, 1962

Oil & Gas Conservation Commission
State of Utah
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah

Re: Designation of Agent

Gentlemen:

Monsanto Chemical Company, a Delaware corporation which has heretofore qualified to do business within the State of Utah, does pursuant to the provisions of your Rule A-4 hereby file this its Designation of Agent with this Commission designating

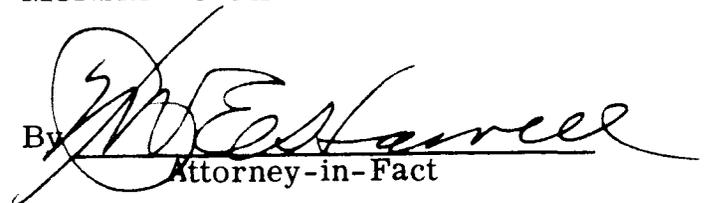
Clair M. Senior
Suite 622 Newhouse Building
10 Exchange Place
Salt Lake City, Utah.

Monsanto Chemical Company shall immediately report to the Commission any termination of this agent's authority, and in that case the designation of a new agent or agents shall be immediately made.

Respectfully submitted,

MONSANTO CHEMICAL COMPANY

By


Attorney-in-Fact

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Navajo
TRIBE 11-20-603-402-B
LEASE NO. _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat *(Break)*

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1962

Agent's address 1310 Denver Club Bldg. Company Monsanto Chemical Company

Denver 2, Colorado Signed J. MURPHY, JR.

Phone Ac 2-5641 Agent's title Dist. Prod Supt

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE NW Sec 4	42S	21E	1	0	0	-	0	0	0	M I R T 7-1-62

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

August 7, 1962

MEMO FOR FILING

Re: Monsanto Chemical Company
#1 Akeah
Sec. 4, T. 42 S, R. 21 E.,
San Juan County, Utah

On August 3, 1962 I approved the following program on the above drilling location. When the company man called me he did not know when they would be ready to plug this well. He was also unable to give me exact tops since they had not run logs. I told him what tops would need plugs and also told him he would have to get final approval from the USGS.

T.D. 5675' in Desert Creek
5300'-5400' - 100' plug
100' plug at top and bottom of DeChelly
100' plug at top of Navajo Sandstone
100' plug at top of Bluff Sandstone
50' plug at 275' - Surface pipe
15' sack plug at surface.

They had run ~~two~~ DST's :

DST #1 - 5040'-5101', Recovered 340' of Salt Water
DST #2 - 5106'-5194', Recovered 35' DM w/trace of oil

HARVEY L. COONTS
PETROLEUM ENGINEER

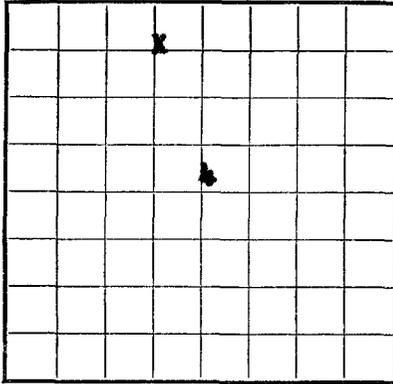
HLC:cn

Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

W 210
7

U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-402B
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Monsanto Chemical Company Address 1310 Denver Club Bldg., Denver, Colo.
Lessor or Tract Abkeah Field Wildcat State Utah
Well No. 1 Sec. 4 T. 42S R. 21E Meridian Salt Lake Base County San Juan
Location 660 ft. XX of N Line and 1980 ft. XX of W Line of NW/4 Sec. 4 Elevation 4649 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [Signature]

Date September 14, 1962 Title Regional Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling July 12, 19 62 Finished drilling August 3, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 988 to 1110 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8 5/8</u>	<u>248</u>	<u>8</u>	<u>Galv</u>	<u>100'</u>	<u>Cementing</u>	<u>100'</u>			<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>248</u>	<u>150</u> <u>3/4</u> <u>Cm</u> <u>Cl²</u> <u>cement circulated</u>	<u>Pump & plug</u>		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set

OLD MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material ----- Size -----

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5683 feet, and from ----- feet to ----- feet

Cable tools were used from ----- feet to ----- feet, and from ----- feet to ----- feet

DATES

~~P&A August 4~~, 19~~62~~ 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

~~Cactus Drilling Company~~, Driller -----, Driller -----

~~P. O. Box 32~~, Driller -----, Driller -----

FORMATION RECORD

E-log tops

FROM—	TO—	TOTAL FEET	FORMATION
0	490	490	Nava Jo
490	988	498	Kayenta
988	1,110	122	Wingate
1,110	1,945	835	Chinle
1,945	2,035	90	Shinarump
2,035	2,285	250	DeChelly
2,285	4,084	1,799	Organ Rock
4,084	4,953	869	Hermosa
4,953	5,020	67	Boundary Butte
5,020	5,102	82	Ismay
5,102	5,300	198	Desert Creek
5,300	5,498	198	Blah
5,498	5,683	185	Barker
			TD

(OVER)

FORMATION RECORD—CONTINUED

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Core No. 1	- 5,040 to 5,054', recovered 13 ft.		
	3' silt stone 10' limestone, dense		
Core No. 2	- 5,055 to 5,075', recovered 10 ft.		
	6' limestone, dense, microscopic fossils 3' limestone, dense, scattered vugs, light spotty stain, little odor on fractures 1' limestone, dense, fractured, spotty stain, little odor on fractures		
DST No. 1	- 5,040 to 5,101'		
	First flow 5 minutes, Flow press. 30 to 50 psi ISIP 30 minutes, 1,892 psi Second flow 113 minutes, Flow press. 33 to 176 psi FSIP 30 minutes, 1,884 psi Tool opened with a weak blow for 113 minutes. Recovered: 88' slightly gas cut mud 264' gas cut muddy saltwater		
DST No. 2	- 5,106 to 5,194'		
	First flow 5 minutes, Flow press. 20 to 27 psi ISIP 30 minutes, 120 psi Second flow 60 minutes, flow press. 20 to 34 psi FSIP 30 minutes, 54 psi Tool opened with a few bubbles and died Recovered: 35 mud, slight trace of oil		

Copy H. L. E.

X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Navajo Tribal**
Lease No. **14-20-603-402B**
Unit _____

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.....	
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.....	X		

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

Wheat

September 17, 1962

Well No. 1 is located 660 ft. from N line and 1980 ft. from W line of sec. _____

NW/4 Section 4 42S 21E Salt Lake Base
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4649 ft. KB

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)

On August 4, 1962, our foreman, Mr. J. C. Booth, contacted the U. S. Geological Survey, District Engineer's office in Farmington, New Mexico. Plugging approval and instructions were approved as follows:

210 sacks of cement placed in intervals, by pump through drill pipe -

5,400 to 5,300', 5,120 to 5,020', 4,115 to 4,015, 2,500 to 2,400', 2,000 to 1,900', 1,220 to 1,120', 250 to 200', 10 to 0'.

Heavily mud laden fluid between plugs.

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

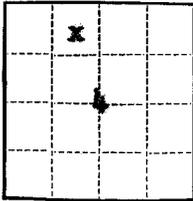
Company Monsanto Chemical Company, Hydrocarbons Division

Address 1310 Denver Club Building
Denver 2, Colorado

By [Signature]

Title Regional Production Supt.

Copy H. L. E.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Navajo Tribal

Lease No. 14-20-603-402B

Unit _____

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.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT..... X
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)

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NW/4 Section 4 42S 21E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4649 ft. **KB**

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)

Well was plugged on August 4, 1962, at total depth 5,683' after encountering no commercial shows of oil or gas. Well was abandoned with 234' of 8 5/8" OD 24# J-55 surface casing set @ 247', cement circulated on the outside of the casing from bottom to top w/150 sacks, 3% Ca Cl₂.

210 sacks of cement was applied by pump through drill pipe in the following intervals with heavily mud laden fluid between plugs:

5,400 to 5,300', 5,120 to 5,020', 4,115 to 4,015', 2,500 to 2,400', 2,000 to 1,900', 1,220 to 1,120', 250 to 200' and 10 to 0'.

As of September 13, 1962, the Contractor's rig is still on the location and final clean-up has not been done.

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

Company Monsanto Chemical Company, Hydrocarbons Division

Address 1310 Denver Club Building
Denver 2, Colorado

By [Signature]

Title Regional Production Supt.

November 9, 1962

Monsanto Chemical Company
1310 Denver Club Building
Denver 2, Colorado

Attn: Regional Prod. Supt.

Re: Well No. Ahkeah #1,
Sec. 4, T. 42 S, R. 21 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radio-activity logs for the above mentioned well are due and have not as yet been filed with this office as required by our rules and regulations.

Your prompt attention to the above request will be very much appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

cfp

COMMISSIONERS
C. R. HENDERSON
CHAIRMAN
M. V. HATCH
C. S. THOMSON
B. H. CROFT
C. P. OLSON
EXECUTIVE DIRECTOR
C. B. FEIGHT



PETROLEUM ENGINEERS
PAUL W. BURCHELL
CHIEF ENGINEER
SALT LAKE CITY
HARVEY L. COONTS
BOX 208
MOAB, UTAH

THE STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

318 NEWHOUSE BUILDING
18 EXCHANGE PLACE
SALT LAKE CITY 11

November 9, 1962

RECEIVED

NOV 1

REGIONAL PRODUCTION
REGIONAL PRODUCTION

Production
Please Initial and Circulate
as Indicated by ✓

<input type="checkbox"/>	Asst. Supt.
<input type="checkbox"/>	Dist. Supt.
<input type="checkbox"/>	Dist. Engr.
<input type="checkbox"/>	Asst. Engr.
<input type="checkbox"/>	Dist. Clerk
<input type="checkbox"/>	Dist. Clerk
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	File

Monsanto Chemical Company
1310 Denver Club Building
Denver 2, Colorado

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Sec. 4, T. 42 S, R. 21 E.,
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Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

cfp

Must have sent them to H. L. Coonts
in Moab. However, if you have the
completion report, I don't understand
your not having the logs.

Joe A. Larbin
Dist. Prod. Clerk

11-13-62



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 959
Farmington, New Mexico

March 29, 1963

Mr. Harvey Coonts
Utah Oil and Gas Conservation Comm.
Moab, Utah

Dear Harvey:

The following abandoned wells in San Juan County, Utah, were inspected and approved by this office during March:

Eldorado Oil and Gas Co.	No. 1 Navajo Tract 3	NW 15-43S-22E
Monsanto Chemical Co.	No. 1 Akeah	NW 4-42S-21E
Humble Oil & Refg.	No. 1 Navajo Tract 40	SW 9-41S-22E
Gulf Oil Co.	No. 1 Gulf-Aztec	
	Desert Creek	NE 1-41S-22E
Gulf Oil Co.	No. 2 " "	NE 1-41S-22E
Aztec Oil & Gas	A-3 Navajo 58	SW 5-41S-23E
Tenneco Oil Co.	No. 1 Navajo 404	NW 19-42S-23E
Zoller & Danneberg	No. 80-1 Navajo	NE 2-42S-23E
Zoller & Danneberg	No. 92-1 Navajo	NE 5-43S-24E
Humble Oil & Refg.	No. 3 Navajo Tr. 125	SW 21-41S-25E

The following wells were inspected but not approved:

Aztec Oil & Gas	No. 67-3 Navajo	NW 9-41S-23E
Pan American Petroleum	No. 2 Navajo M	SW 6-41S-26E

Very truly yours,

P. T. McGrath
District Engineer