

Subsequent Report of Abandonment

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 PWB
Copy NID to Field Office _____
Approval Letter 2-23-68
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 3-1-68 Location Inspected _____
OW _____ WW _____ TA _____ Bond released _____
GW _____ OS _____ PA State of Fee Land _____

LOGS FILED

Driller's Log 3-7-68
Electric Logs (No.) 4

E _____ L' _____ E-I (2) GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Sonic _____ Other Acoustic log(s)

UCC
8-26-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Monsanto Company

3. ADDRESS OF OPERATOR
900 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 NW NE or 1980 FEL & 660 FHL Sec. 20
 At proposed prod. zone
Vertical Hole

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles east and 6 1/2 miles south of Aneth Trading Post

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1980

16. NO. OF ACRES IN LEASE
2550

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2785

19. PROPOSED DEPTH
5900

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4780 RT

22. APPROX. DATE WORK WILL START*
January 26, 1968

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48.0	150	200
12 1/4	8 5/8	24.0	1500	450

Water sands encountered on this well will be protected by mud behind production casing should the well be a producer. *Intermediate string will be set through the Navajo sand only if required to contain water flow.

Production casing, if run, will be 4 1/2" or 5 1/2" OD set through the pay and sufficiently cemented to segregate oil and gas strata.

43-039-30003

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

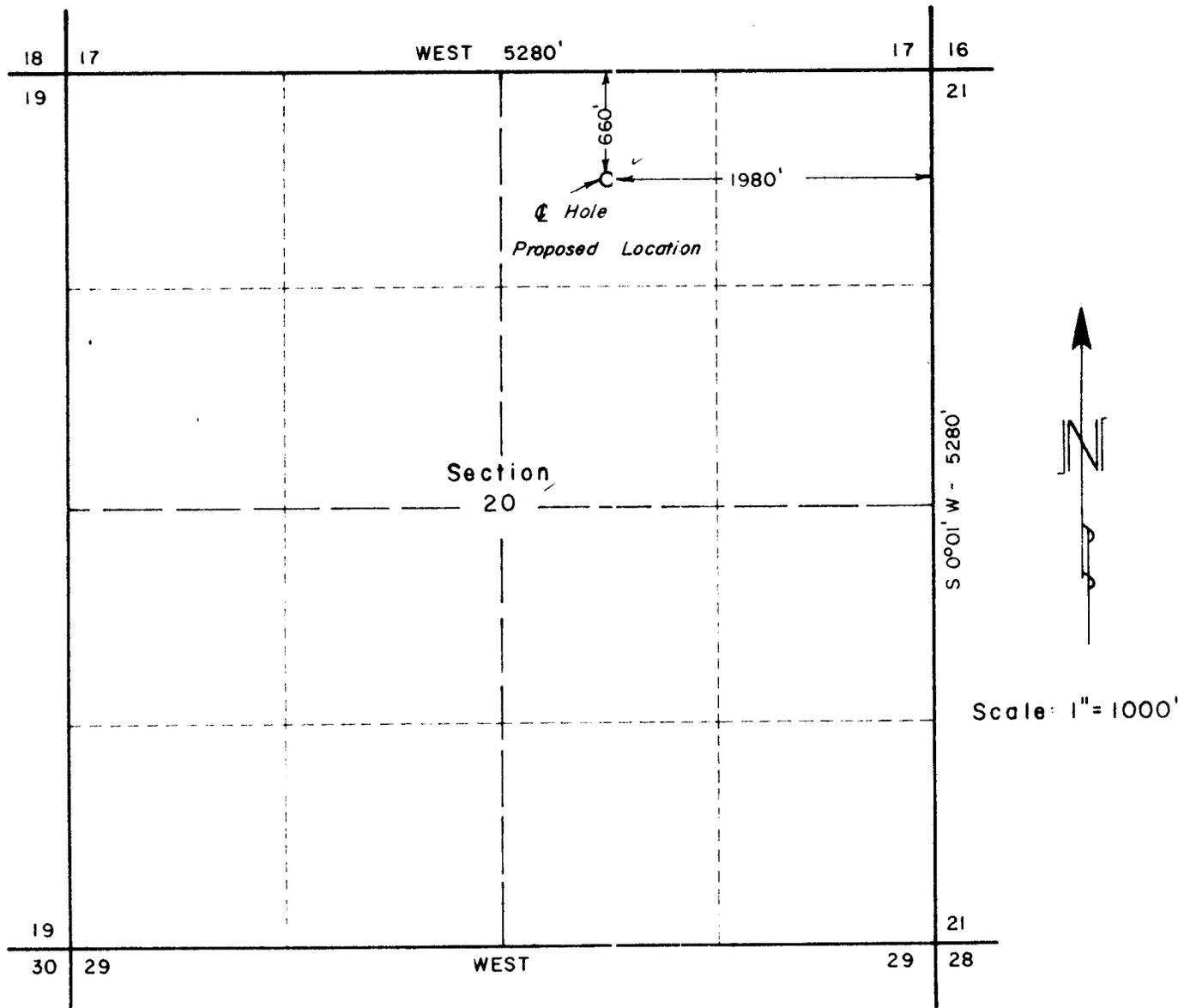
24. SIGNED ORIGINAL SIGNED
J. MURPHY, JR. TITLE District Production Supt. DATE 1/22/68

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



WELL LOCATION: Monsanto Company - Navajo "C" No. 2

Located 1980 feet West of the East line and 6.60 feet South of the North line of Section 20
 Township 42 South, Range 26 East, Salt Lake Meridian
 San Juan County, Utah
 Existing ground elevation determined at 4769 feet based on U.S.G.S.

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

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Utah # 2689



MONSANTO COMPANY Denver, Colorado	
WELL LOCATION PLAT Sec. 20, T. 42 S., R. 26 E. San Juan County, Utah	
CLARK - REED & ASSOC. Durango, Colorado	DATE May 19, 1967 FILE NO 67044

1588 West North Temple
Salt Lake City, Utah 84116

328-5771

January 23, 1968

Monsanto Company
900 Patterson Building
Denver, Colorado 80202

Re: Well No. Navajo "C" #2,
Sec. 20, T. 42 S., R. 26 E.,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City, Utah
OFFICE: 328-5771

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

Monsanto Company
Well No. Navajo "C" #2

-2-

January 23, 1968

The API number assigned to this well is 43-037-30003 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sc

cc: U. S. Geological Survey
P. T. McGrath
P. O. Box 959
Farmington, New Mexico

El School - Monsanto

sec 20 42 S R 26 E Nav. C # 2

- ① 78 ab = 5871-5600 - Ismay ^{upper (near Boundary Butte)} _{good d center}
- ② 29 ab = ~~4830~~ - 4730 - Hermosa
- ③ 29 ab = 2900 - 2800 De Chelly
- ④ 29 ab = 1625 - 1525 base of interbedded str.
- ⑤ no surface plug - leave for water well

5679 - Top of Boundary Butte

5768 " " Lower Ismay

5871 - T.D.

5826 - Base of Ismay.

3/1/68 - MB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-10032

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "C"

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
River Bank

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
20, T42S, R26E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
Monsanto Company

3. ADDRESS OF OPERATOR
900 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1/4 NW NE or 1939' FEL & 694' FHL Sec. 20**
At top prod. interval reported below

At total depth
Vertical Hole

14. PERMIT NO. DATE ISSUED
1/24/68

15. DATE SPUNDED **2/6/68** 16. DATE T.D. REACHED **2/29/68** 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4781 DF** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5871** 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **5871** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TV)*
None 25. WAS DIRECTIONAL SURVEY MADE **Yes - Max. Dev. 2 deg. @3250'**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Lane Wells 3/1/68, Acoustilog & Induction Electrollog 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
13 3/8"	48.0#	157'	17 1/2"	150 sacks of regular	None
8 5/8"	24.0#	1563'	12 1/2"	400 sacks 50/50 Poz. + 1/4# Celo Flakes w/100 sacs. reg. + 100 sacs. reg.	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
Plugged and Abandoned 3/1/68.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

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

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

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

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 _____ TITLE **District Production Supt.** DATE **3/5/68**

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ismay			
DST No. 1	5680	5757	Very weak blow - Rec. 15' fluid, Flow Press. 27# in 30 min. SI press. 54# in 60 min.
DST No. 2	5770	5792	Good blow, no gas to surface, rec. 30' HGCSOCH, 180' HGCYSOCH, 1300' gas, 1st flow 54# in 10 min., 1st SI 969# in 30 min. 2nd flow 81# in 30 min., 2nd SI 2175# in 60 min., 3rd flow 108# in 60 min., 3rd SI 2201# in 120 min.
DST No. 3	5770	5792	Tool open 5 hrs. w/strong blow, SI 2½ hrs. Rec. 1210' fluid, 30' HGCIN, 60' HGCWCM, 1120' GCSW, 90' gas. Flow pressure 81-567 in 5 hrs., SI pressure 2180# in 2½ hrs.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	1120	1120
Wingate	1543	1543
DeChalley	2845	2845
Cutler	3090	3090
Hermosa	4779	4779
Ismay	5679	5679

FORM 08C-8X

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Navajo "C" #2
Operator Monsanto Company Address 900 Patterson Bldg. Denver, Colorado Phone 222-5641
Contractor Arapahoe Drilling Co. Address 915 Midland Savings Bldg. Denver, Colorado Phone 534-0836
Location NW 1/4 NE 1/4 Sec. 20 T. 42 S. R. 26 E. San Juan County, Utah

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	1120	1430	Not Measured	Fresh
2.	2845	3090	Not Measured	Salty
3.				
4.				
5.				

(Continued on reverse side if nec.)

<u>Formation Tops:</u>	<u>Hermosa</u>	4779	<u>Base Ismay</u>	5826
	<u>Upper Ismay</u>	5679	<u>TD</u>	5871
	<u>Lower Ismay</u>	5768		

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform the Commission,
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form.)
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TR.
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-10032

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo "C"

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

River Bank

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

20, T423, R26E

12. COUNTY OR PARISH 18. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER Dry Hole

2. NAME OF OPERATOR

Monsanto Company

3. ADDRESS OF OPERATOR

900 Patterson Building, Denver, Colorado 80202

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

NW NE or 1939' FEL & 694' FNL Sec. 20

14. PERMIT NO.

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

4781 DF, 4770 GR

16

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

At TD of 5871' on March 1, 1968, this well was plugged and abandoned. Cement plugs were applied by pump through drill pipe and heavily mud laden fluid remains between plugs. Plugs are as follows:

Plug No. 1 5871-5600 with 78 sacks of cement.
 Plug No. 2 4830-4730 with 29 sacks of cement.
 Plug No. 3 2900-2800 with 29 sacks of cement.
 Plug No. 4 1625-1525 with 29 sacks of cement.
 Plug No. 5 10-0 with 10 sacks of cement.

Casing left in hole:

161' of 13 3/8" 48.0# H-40 surface casing.
 1550' of 8 5/8" 24.0# J-55 intermediate casing.

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

SIGNED _____

TITLE District Production Supt.

DATE 3/5/68

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY: