

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAPPLICATION FOR ~~DRILLING~~ OR PLUG BACK

1a. TYPE OF WORK DRILL ☐ DEEPEN ☐ PLUG BACK ☒			5. LEASE DESIGNATION AND SERIAL NO. RM-0272711
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Monsanto Company			7. UNIT AGREEMENT NAME Rock Tank Unit
3. ADDRESS OF OPERATOR 101 N. Marienfeld, Midland, Texas 79701			8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' F&L At proposed prod. zone			9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles SW of Carlsbad			10. FIELD AND POOL OR WILDCAT Rock Tank Upper Morrow Gas Rock Tank Lower Morrow Gas
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650	16. NO. OF ACRES IN LEASE 6238.55	17. NO. OF ACRES ASSIGNED TO THIS WELL 631	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 10,921	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4013' GR		22. APPROX. DATE WORK WILL START* 7-24-70	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	24#	2483'	Cement to surface
7-7/8"	5-1/2"	17#	10,405	Cement in 3 stages w/DV tools at 8510' and 5502'.

Drill 11" hole to 2490'. Set and cement 8-5/8" casing to surface. Drilled 7-7/8" hole to 10,921'. Tested Devonian. Set open hole bridge plug at 10,600' w/50 sz. cmt. on top. Top cement 10,525'. Set 5-1/2" casing at 10,405' and cement w/1250 sz. in 3 stages using 2 DV tools. Perforate Lower & Upper Morrow and dually complete.

All shows of oil and gas were drill stem tested.
Hole was drilled w/gas, water and mud.
BOP Ser. 1500 dbl. Hyd.

RECEIVED
OCT 20 1970
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 A. W. Wood TITLE Dist. Prod. Manager DATE 10/19/70
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

ACCEPTED FOR RECORD PURPOSES
OCT 20 1970
Date 10/20/70 ACTING District Engineer

*See Instructions On Reverse Side

C-102 For Lower Morrow filed w/original drilling application.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.