RECEIVED (copy to J.T.)

N. M. O. C. C. COPY MAY 8 1973

O. C. C. ARTESIA, OFFICE

Form 9-330
(Rev. 5-63)

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*

RECEIVED MAY - 7 1973 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.: NM 7068

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Miller Federal

2. NAME OF OPERATOR: MONSANTO COMPANY

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: 101 North Marienfeld, Midland, Texas 79701

10. FIELD AND POOL, OR WILDCAT: Burton Flat

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1600' FNL & 1980' FEL Section 3
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 3, T-21S, R-27E

14. PERMIT NO. | DATE ISSUED: 2/20/73 | 12. COUNTY OR PARISH: Eddy | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2/26/73	4/6/73	5/1/73	3200 RKB	3185'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11,510	11,470	Two	→	0 - 11,510'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Atoka - ~~10,515 - 11,003~~ 10658-668
Morrow ~~11,003 - 11,434~~ 11304-310

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Neutron Density, Dual Ind. Laterlog Microlog, Dipmeter

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 PULLED
13 3/8	48#	603'	17½"	750 Sx. Cmt circulated	None
9 5/8	36#	2788'	12¼"	1250 Sx. " "	"
5 1/2	17#	11,510'	8½"	550 Sx. Class H	"

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2⅞"	11137	11126

31. PERFORATION RECORD (*Interval, size and number*)
Atoka - 10,658-10,668 w/ 2 shots/Ft.
Morrow 11,304-11,310 w/ 2 shots/Ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,658-10,668	Fracture-14,000 Gals. Acid + 10,000# Sand

33.* Atoka PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
4/21/73	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/1/73	4	8/64-14/64		2.1	309	0	147,000

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
2515-3446	3668		13	2714	0	50.8

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Vented - Well shut in awaiting Pipeline; (CAOF 4.563 MCFPD)

TEST WITNESSED BY: J. E. Guthrie

35. LIST OF ATTACHMENTS
Drill Stem tests; Logs were mailed 4/19/73

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

SIGNED _____ TITLE District Prod. Mgr. DATE 5/4/73

33.* Morrow PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
4/25/73	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/1/73	4	10/64-16/64		2.3	385	0	171,000

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
3682	FLOW 2515 - 3446		14	3413	0	50.2

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Vented-Well Shut in awaiting pipeline; (CAOF 5.431 MCFPD)

TEST WITNESSED BY: J. E. Guthrie

35. LIST OF ATTACHMENTS
Drill Stem Tests; Logs were mailed 4/19/73

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

SIGNED W. W. Ward TITLE Dist. Prod. Mgr. DATE 5/4/73

*(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.
Undiff. Permian	Surface	844	Anhydrite, dolomite, sand & shale.
Capitan Reef	844	2823	Dolomite
Delaware Sd	2823	5160	Sand & shale
Bone Springs	5160	8760	Limestone, sand and shale
Wolfcamp	8760	10,082	Limestone and shale
Strawn	10,082	10,515	Limestone and shale
Atoka	10,515	11,003	Limestone shale & sand
L. Morrow	11,003	11,434	Sand, shale, limestone
Miss.(Barnett)	11,434	11,510	Shale
		T.D.	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Capitan Reef	844	
Delaware	2823	
Bone Spring	5160	
3rd Bone Spring	8368	
Wolfcamp	8760	
Strawn	10,082	
Atoka	10,515	
Lower Morrow	11,003	
Barnett	11,434	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636