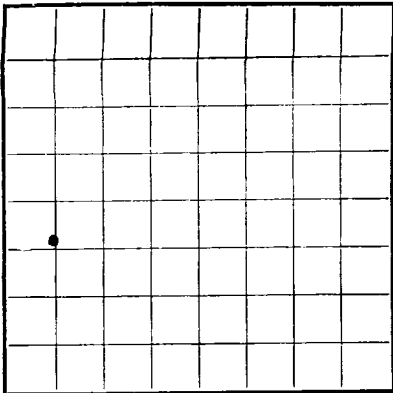




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Monsanto Chemical Company Address Box 492, Snyder, Texas
Lessor or Tract Erwin Field Caprock, Queen State New Mexico
Well No. 4 Sec. 5 T15S R31E Meridian NMPM County Chaves
Location 1980 ft. N. of S. Line and 660.36 ft. E. of W. Line of Sec. 5 Elevation 4461
(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 11 - 17 - 55 Title District Superintendent

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

Commenced drilling 2 - 24, 1955 Finished drilling 3 - 3, 1955

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3101 to 3120 (G) 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 NONE to _____ 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—	
10-3/4"	41#	8V		307.83'	Float				Surface
5-1/2"	15.5#	8V		3151.44'	Float shoe		3113	3120	Oil String
					Float collar				
					Stage collar				
						2838.30'			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	323.11'	225	Displaced + Plug		
5-1/2"	3163.94'	575 w/3% Gel	" "		

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 3165 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 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 7 million (Estimated) Gasoline per 1,000 cu. ft. of gas No Record
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Jennings Drilling Company, Driller _____, Driller
H. E. Collins, Driller E. G. Holly, Driller
L. J. Grimes, Driller J. M. Adams, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	22		Caliche
22	285		Sand; fine-med. w/shale
285	1350		Red shale with some sand and anhydrite
1350	1400		Anhydrite
1400	1450		Red shale and sand
1450	2150		Salt with some anhydrite
2150	2290		Anhydrite with red shale and salt
2290	2458		Sand and shale with anhydrite
2458	3101		Anhydrite with dolomite, sand & red shale
3101	3119		Gray and red sand
3119	3121		Anhydrite
3121	3165		Red and gray sand with some dolomite, anhydrite and salt
	3165		Total Depth, Plug back TD 3131'.

One copy of sample description attached.

*Well is temporarily abandoned. Please refer to Form 9-331A dated 3-18-55 and 5-17-55 for information on workover work.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.