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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY ARTESIA OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company William A. & Edward R. Hudson Address 1810 Electric Bldg., Ft. Worth, Texas
Lessor or Tract Federal 18 Field Undesignated State New Mexico
Well No. 4 Sec. 18 T. 19S R. 33E Meridian N.M.P.M. County Lea
Location 1980 ft. N. of N Line and 660 ft. E. of E Line of Sec. 18 Elevation 3,652 DF
(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.

Date August 29, 1960 Signed *Ralph L Gray* Title Consulting Engineer

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

Commenced drilling June 23, 1960 Finished drilling June 30, 1960

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

No. 1, from 3,280 to 3,310 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 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—	
8-5/8	24#	J-55		267			3287	3300	Surface
5-1/2	17#	J-55		3349			3287	3300	
							3293	3300	
							3305	10	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	267	150			
5-1/2	3349	40			

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
Acidized with 500 gals. 15%, then 2,000 gals. in 2 stages.						

TOOLS USED

Rotary tools were used from Surface feet to 3,346 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

August 29, 1960 Put to producing August 26, 1960
The production for the first 24 hours was 41 barrels of fluid of which 66% was oil; %
emulsion; 34% 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

Driller Driller
Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	265		Sand and caliche
265	1,350		Red bed and sand
1,350	1,480		Anhydrite
1,480	2,830		Salt
2,830	3,010		Anhydrite and shale
3,010	3,195		Anhydrite and sand
3,195	3,280		Dolomite
3,230	3,346		Dolomite and sand.
Electric Log Tops			
		T. Anhy.	1,350
		T. Salt	1,480
		B. Salt	2,830
		T. Yates	3,010

