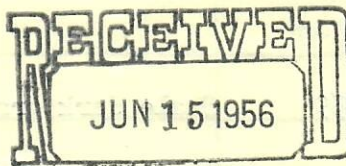


56 W

	19		

Locate  
Well  
CorrectlyT  
9  
NOIL & GAS  
CONSERVATION COMMISSIONFile in triplicate. Fee and Patented lands and in  
quadruplicate on State and School lands, with

OFFICE OF DIRECTOR

OIL AND GAS CONSERVATION COMMISSION,  
STATE OF COLORADO

## LOG OF OIL AND GAS WELL



00789528

Field Wildcat Company PLAINS EXPLORATION COMPANY  
County Weld Address 1218 University Building  
Lease H. E. McKenzie-Andrew H. Rose Denver 2, Colorado  
Well No. 1 Sec. 19 Twp. 9 N Rge. 56 W Meridian 6th State or Pat. Pat  
Location 660 Ft. (S) of North Sec Line and 650 Ft. (E) of West Sec line of KB Ground 4528  
Elevation 4536  
(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

Russell H. Volk

Date June 14, 1956Title President

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

Commenced-drilling November 9, 1955 Finished drilling November 28, 1955

## OIL AND GAS SANDS OR ZONES

No. 1, from "D" Sand 5811 to 5827  
No. 2, from "J" Sand 5890 to 6010 T D  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

SIZE	WT. PER FOOT	MAKE	WHERE LANDED	NO. OF SKS. CEMENT	STOOD HOURS	PRESSURE TEST PSI
Surface casing						
8 5/8"	24#	J & L	184	125	24	FILE
Limited service casing						
5 1/2"	15.5#	J-55	6008	125 sks pozmix		

## COMPLETION DATA

Total Depth 6010 ft. Cable Tools from \_\_\_\_\_ to \_\_\_\_\_ Rotary Tools from Spud to T Depth  
Casing Perforations (prod. depth) from 5894 to 5898 ft. No. of holes 24  
Acidized with \_\_\_\_\_ gallons. Other physical or chemical treatment of well to induce flow Plug set 5909; then water to  
Shooting Record 24 1/2 inch Dgival (M-3) bullets within 1200 feet of surface.  
Prod. began Febr. 24, 1956 Making 9.12 bbls./day of 60 distillate Pump ☐  
Tub. Pres. 1100x lbs./sq. in. Csg. Pres. 1100 lbs./sq. in. Gas Vol. 600 Mcf. Gas Oil Ratio 60,000 to 1 Choke. ☐  
Length Stroke \_\_\_\_\_ in. Strokes per Min. \_\_\_\_\_ Diam. Pump \_\_\_\_\_ in.  
B. S. & W. none % Gas Gravity 734 BTU's/Mcf. \_\_\_\_\_ Gals. Gasoline/Mcf. none

## WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

Electrical Log Yes Date 11-19-56 19 \_\_\_\_\_ Straight Hole Survey Yes Type Eastman  
Micro log yes Date 11-19-55 19 \_\_\_\_\_ Other Types of Hole Survey \_\_\_\_\_ Type \_\_\_\_\_  
Radiation Log yes Date 11-26-55 \_\_\_\_\_ (Note—Any additional data can be shown on reverse side.)  
Time Drilling Record yes  
Core Analysis yes Depth 5815 to 5850  
5901 to 5907

## FORMATION RECORD

Show all formations, especially all sands and character and contents thereof.

FORMATION	TOP	BOTTOM	REMARKS
NIOBRARA	5026	5309	Shale dark gray; trace bentonite gray; partly calcareous; trace shale dark gray mottled brown
			calcareous; shale gray to dark gray, mottled white to brown calc.; mottled buff to brown.

(Continue on reverse side)

Gas Producer



## FORMATION RECORD

Formation	Top	Bottom	Remarks
TIMPAS	5309	5359	Shale dark gray . partly calcareous with little limestone white to buff dense at 5350'.
CARLILE	5359	5508	Shale dark gray w/: little limestone white to buff dense at 5350 and trace siltstone gray at 5380 and 5500'.
GREENHORN LESTONE	5508	5707	Shale dark gray w/: tracelimestone gray dense at 5520 and 5550'.
MOWRY	5707	5811	Shale dark gray w/: trace bentonite brown; trace bentonite gray; trace limestone gray to brown, coarsely crystalline, partly sandy.
"D" SAND	5811	5890	The "D" Sand 5811 (-1275) was shaled-out in this well for all practical purposes. No indications were observed in the top bench at 5800', in the drilling or samples. There was a show in the sand from 5811-14, although it was thin sand lenses in shale. The best developed sand was from 5821 to 25 which was very silty, tight, crossbedded sand with some vertical fracturing. This zone bled gas and oil; the zero permeability made it impossible to produce anything.
"J" SAND	5890	6010	The "J" Sand 5890 (-1354) will produce dry gas from 5890 to 5909. (Drill Stem Test Record). There is a shaled-out section from 5900 to 5909 most of which was cored (Core #2). The main sand body, 5909 to 5997 is a fine white sand that ground up and very little noted in the samples until it became silty at 5956'. There were shows in the samples to 5920 especially in the 5917 sample. Comparing the Schlumberger logs with the McKenzie #1 a mile west where one foot of good oil sand was cored and analyzed in this zone, there is a good chance the top 4 to 5 feet could produce, although the Schlumberger calculations indicate it to be water productive. I would recommend this zone be tested before perforating the upper gas zone; however, due to vertical fracturing in the area, caution should be used in perforation, producing and fracturing this zone. One or two perforations at 5910 should test and produce this zone; if necessary lower perforations could be made to obtain fluid. The zone is thin, probably fractured, with no shale streaks to prevent water from coneing, which are the problems to solve in testing and producing.