



00249466

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

NOV 8 - 1956

WELL COMPLETION REPORT

INSTRUCTIONS

Within thirty (30) days after the completion of any well, the owner or operator shall transmit to the Director three (3) copies of this form, for wells drilled on Patented or Federal lands and four (4) copies for wells drilled on State lands. Upon request, geological information will be kept confidential for six months after the filing thereof.

Field Black Hollow Operator The California Company
County Weld Address P. O. Box 1769
City Casper State Wyoming

Lease Name Union Pacific Railroad Well No. 13 Danner Elev. 5174'
Location NW NW Section 31 Township 8N Range 66W Meridian 6th P.M.
(quarter quarter)
650 feet from N Section line and 660 feet from W Section Line
N or S E or W

Drilled on: Private Land ☒ Federal Land ☐ State Land ☐Number of producing wells on this lease including this well: Oil 12; GasWell completed as: Dry Hole ☐ Oil Well ☒ Gas Well ☐

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 November 7, 1956Signed [Signature]
Title Area Superintendent

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

Commenced drilling August 16, 1956 Finished drilling September 24, 1956

CASING RECORD

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST	
						Time	PSI
18"	Culvert for Conductor		37' (GL)	7 yds Redi-Mix			
9 5/8"	36#	J-55	317' (KB)	225	12	45 min	1000
5 1/2"	17#	J55, N80	9085' (KB)	450	24	30 min	1000

CASING PERFORATIONS

Type of Charge	No. Perforations per ft.	From	Zone To
4 jets, 4 bullets	8 per foot	9030'	9047'
4 jets, 4 bullets	8 per foot	9021'	9028'
4 jets, 4 bullets	8 per foot	9012'	9016'
TOTAL DEPTH <u>9085'</u>		PLUG BACK DEPTH <u>9075'</u>	

Oil Productive Zone: From 9012' To 9047' Gas Productive Zone: From - To -
Electric or other Logs run ES, ML and GRN Date 9-12 & 9-18, 1956
Was well cored? Yes Has well sign been properly posted?

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

DATE	SHELL, EXPLOSIVE OR CHEMICAL USED	QUANTITY	ZONE		FORMATION	REMARKS
			From	To		
9-20-56	Sand oil squeeze	20,000 gal	9012'	9047'	Lyons	4600# Max. press.

Results of shooting and/or chemical treatment: Good Results

DATA ON TEST

Test Commenced 8 A.M. or P.M. 10-7- 1956 Test Completed 8 A.M. or P.M. 10-8 1956

For Flowing Well:

For Pumping Well:

Flowing Press. on Csg. _____ lbs./sq.in.

Length of stroke used 100 inches.

Flowing Press. on Tbg. _____ lbs./sq.in.

Number of strokes per minute 8 1/2

Size Tbg. _____ in. No. feet run _____

Diam. of working barrel 1 1/2 inches

Size Choke _____ in.

Size Tbg. 2 1/2 in. No. feet run 9016

Shut-in Pressure _____

Depth of Pump 8923 feet.

If flowing well, did this well flow for the entire duration of this test without the use of swab or other artificial flow device?

TEST RESULTS: Bbls. oil per day 171 API Gravity 36 degrees
Gas Vol. 4 Mcf/Day; Gas-Oil Ratio 25/1 Cf/Bbl. of oil
B.S. & W. 2/10 %; Gas Gravity _____ (Corr. to 15.025 psi & 60°F)

FORMATION RECORD

Give name, top, bottom and description of all formations encountered, and indicate oil, gas and water bearing intervals, cored sections and drill stem tests.

INSTRUCTIONS

FORMATION NAME	TOP	BOTTOM	DESCRIPTION AND REMARKS
	0	1650	Shale
	1650	3080	Sand and shale
	3080	3512	Shale
Upper Hygiene	3512	3687	Sandstone
	3687	4682	Sand, shale, bentonite
Lower Hygiene	4682	4797	Sandstone
	4797	6874	Sand and shale
Niobrara	6874	7167	Shale
Timpas	7167	7186	Limestone
Carlile	7186	7379	Sand and shale
Greenhorn	7379	7466	Shale
Graneros	7466	7663	Shale and siltstone
Muddy	7663	7722	Sandstone
Skull Creek	7722	7900	Shale and siltstone
Dakota	7900	8012	Sandstone
Morrison	8012	8302	Shale, sand, and limestone
Entrada	8302	8389	Sandstone
Lykins	8389	8762	Shale and siltstone
Forelle	8762	8774	Dolomite
	8774	8900	Shale, gypsum, anhydrite, and dolomite
Upper Satanka	8900	9009	Shale, gypsum, anhydrite
Lyons	9009	9068	Sandstone
Lower Satanka	9069	9085	Shale and siltstone

CORES

Core #1 9003'-9062'	Recovered 53'
Core #2 9062'-9085'	Recovered 22'
Drill Stem Tests	
DST #1 9050'-9070'	Recovered 320' clean oil, 210' gas cut mud and emulsion (50% oil) and 330' water.

TOTAL DEPTH	9085'
PLUG BACK DEPTH	9075'

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

DATE	SHELL, EXPLOSIVE OR CHEMICAL USED	QUANTITY	ZONE	FORMATION	REMARKS
9-20-56	Sand oil squeeze	20,000 gal	From 9012' To 9047'	Lyons	4500% Max. press.

DATA ON TEST

Test Completed 8 A.M. or P.M.	10-7-	1956	Test Completed 8 A.M. or P.M.	10-8-	1956
For Pumping Well:			For Pumping Well:		
Flowing Press on Gsg.	lbs./sq.in.		Flowing Press on Gsg.	lbs./sq.in.	
Flowing Press on Tbg.	lbs./sq.in.		Flowing Press on Tbg.	lbs./sq.in.	
Size Tbg.	in.		Size Tbg.	in.	
Size Choke	in.		Size Choke	in.	
Shut-in Pressure	in.		Shut-in Pressure	in.	
It flowing well, did this well flow for the entire duration of this test without the use of swab or other artificial flow device?			It flowing well, did this well flow for the entire duration of this test without the use of swab or other artificial flow device?		

TEST RESULTS: Hole oil per day	171	API Gravity	36 degrees
Gas Vol.	4	Gas-Oil Ratio	25/1
Gas Gravity	0.6	Gas Gravity	(Corr. to 15.05 psi & 60°F)