

Lease C. S. Holtzinger Well No. (1) One Sec. 35 Twp. 14S Rge. 21W

County Iroquo State Kansas Pool Groff

Location made September 6th. 1954 By A. E. Johnson
330' from North line _____ from South line _____
330' from East line _____ from West line _____

Elevation: Ground 2075 Derrick Floor 2077

Contractor Barnett Drilling Inc.

Height of derrick floor 2' Depth of cellar 4'

Height of rotary table above derrick floor 2'

From what point were measurements in this record taken? Kelly Bushing. (2079) Zero Point

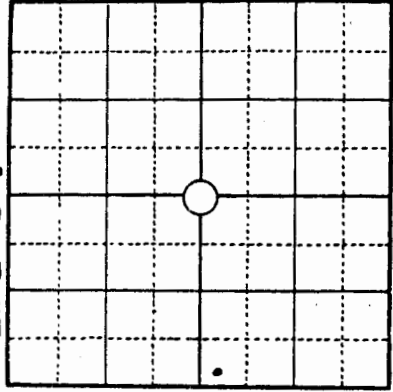
What point is used to measure zero from 5' 3" Above casing head.

Drilling commenced September 9th. 1954 Drilling completed September 24th. 1954

Cleaning out completed September 30th. 1954 First production September 29th. 1954

Gravity 42.6 Temperature 85

Date	Pump or Flow	Size Choke	Oil Bbls.	Water Bbls.	Gas M. C. F.	Gas-Oil Ratio	Length of Test Hours	Pressure	
								Casing	Tubing
<u>9-29-54</u>	<u>Swab</u>		<u>80</u>	<u>0</u>			<u>4 Hrs.</u>		



Gas Well Volume _____ Rock Pressure _____ Page 1

RECORD OF SANDS OR LIME MARKERS

	TOP	BOTTOM	Was It Cored	Name of Sand	REMARKS
1st	3366		No	Hebbner shale	
2nd	3384		No	Toronto	
3rd	3403	3650	No	Lansing	
4th	3737		No	Marmaton	
5th	3796		No	Conglomerate sandy	
6th	3836		No	Eroded Arbuckle	
7th					

What kind of electric survey made?

Lane-Wells Gamma Ray & Neutron

ACIDIZING RECORD

Date	Depth		Acid		Init. Press.	B-Down Press.	RESULTS
	From	To	Gals.	Type			

SHOT RECORD

Date	Depth		Quarts	RESULTS
	From	To		

CORE RECORD

Type	From	To	Rec.	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

DRILL STEM TESTS

Date	Formation Tested	Exposed Formation		Packer Kind	Set At	Time Open	Maximum Flow Press.	Results
		From	To					
9-19-54	Lansing	3477	3505	6-3/4 wall	3477	1 hr.	BHP. 1100 FF. 100 IF. 30	Fair blow increasing thru out test. recovered 360' gas, 30' slightly oil out mud. 180' gassey salt water.
9-22-54	Conglomerate	3795	3819	6-3/4 wall	3795	1 hr.	BHP. 1000 FF. 400 IF. 50	Strong blow thru test 1040 free oil, 50' oil out mud. 675' gas.

CASING RECORD

Size	Weight	No. Joints	Kind LW or SS New or SH	Casing Spot	Total Feet Run In	Total Feet Pulled	Total Feet Left In	No. Sacks Cement	Size Hole Casing Set In
8-5/8"	32	7	SH. SS	167	171	12	159	125	12-1/4
5-1/2"	14	119	NEW. SS	3849	3861	16	3845	175	7-7/8"

Was temperature survey made? **No** Was pipe tallied over all or less threads **LESS threads**

GUN PERFORATIONS

Date	Depth		Holes		Present Status Open or Squeezed	Sacks Cement	Max. Press.	Remarks
	From	To	No.	Size				
9-29-54	3791	3799	47	15/32	Open			
9/29/54	3804	3824	117	15/32"	Open			

SEP 2007

FORMATION RECORD

Nature of Strata	Color	Top	Bottom	Straight Hole tests	Remarks
Surface sand & clay		0	10		
Clay & Shale		10	40		
Clay & shale		40	120		
Shale & shells		120	167		Surface set @ 167'
Shale & shells		167	340		
Sand		340	495		
Shale & Shells		495	820	OK	
Sand & shells		820	1070	OK	
Shale & shells		1070	1455		Anhydrite 1430'
Red shale		1455	1585	OK	
Shale, shells & lime		1585	1925		
Lime & shale		1925	2045	OK	
Lime		2045	2135		
Lime & shale		2135	2230		
Lime & shale		2230	2420		
Lime		2420	2665	OK	
Lime & shale		2665	3330	OK	
Lime,		3330	3365		Heebner shale @ 3366'
Lime		3365	3384		Toronto @ 3384

