

Form ACO-1 (7-84)

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached stat level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken
Samples Sent to Geological Survey
Cores Taken

Yes No
Yes No
Yes No

Formation Description
Log Sample

Name	Top	Bottom
Anhydrite	1824	(+ 380)
Base Anhydrite	1856	(+ 357)
Topeka	3198	(- 985)
Heebner	3406	(-1193)
Toronto	3428	(-1215)
Lansing-Kansas City	3446	(-1233)
Stark Shale	3620	(-1407)
Base Kansas City	3648	(-1435)
Arbuckle	3785	(-1572)
LTD	3848	

DST #1: 3463'-3491'; 30-45-30-60; 1st open - strong blow off bottom in 1 min.
2nd open - strong blow off bottom in 1 min.
Recovered: 270' gas in pipe
1440' total fluid
30' clean gassy oil (gravity 39 degrees)
60' heavy oil cut gassy wtaery mud
(12% gas, 13% oil, 30% mud, 45% water)
180' oil & gas cut muddy water
(18% gas, 19% oil, 18% mud, 44% water)
1770' slightly oil & mud cut gassy water.
cl. 58,000 - mud cl. 3,000
(2.5% oil, 2.5% mud, 95% water)

IFP 150 - 498 : ISIP 1173#
FFP 555 - 737 : FSIP 1173#
BHT 116 degrees

DST #2: 3505'-3528'; 30-45-30-60; 1st open - strong blow off bottom in 2 min.
2nd open - strong blow off bottom in 3 min.
Recovered: 1575' total fluid
135' muddy water
1440' saltwater - cl. 52,000

State Geological Survey
WICHITA BRANCH

IFP 139 - 555# : ISIP 1058#
FFP 589 - 783# : FSIP 1058#
BHT 118 degrees

CASING RECORD ☐ new ☐ used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface	12 1/4"	8 5/8"	24#	293'	Common	230	2% gel, 3% c
Production	7 7/8"	5 1/2"	14#	3846'	Class A	100	10% Salt, 2% .75% CFR-2
					Hal. Lt.	300	6# Gils.

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated		(amount and kind of material used)	Depth
4	3596'-3600'	3609'-3612'	250 gals. 15% mud acid followed with KCl water.	3596'-360 3609'-361

TUBING RECORD size 2-3/8" set at 3599.66' packer at ----- Liner Run ☐ Yes ☒ No

Date of First Production Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	120 Bbls	10 MCF	0 Bbls	CFPB	35° API

Disposition of gas: ☒ vented
☐ sold
☒ used on lease

METHOD OF COMPLETION
☐ open hole ☒ perforation
☐ other (specify)
☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL
3596' - 3600'
3609' - 3612'

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Vincent Oil Corp. LEASE NAME MORPHEW
WELL NO. 2SEC 33 TWP 7S RGE 22(E)
(W)

FILL IN WELL INFORMATION AS REQUIRED:

Show all important zones of porosity and contents thereof;
cored intervals, and all drill-stem tests, including depth
interval tested, cushion used, time tool open, flowing &
Shut-in pressures, and recoveries.Show Geological markers,
logs run, or Other
Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #3: 3548'-3608'; 30-45-45-60;	1st open -	strong blow off bottom in 9 min.		
	2nd open -	strong blow off bottom in 14 min.		
	Recovered:	630' gas in pipe		
		330' total fluid		
		210' clean gassy oil (Gravity 40 degrees		
		120' slightly water cut gassy muddy oil		
		(35% gas, 20% oil, 32.5% mud, 12.5%)		
	IFP 69 -	93#	ISIP 908#	
	FFP 127 -	150#	FSIP 817#	
DST #4: 3604'-3643'; 30-45-45-60;	1st open -	strong blow off bottom in 6 min.		
	2nd open -	strong blow off bottom in 8 min.		
	Recovered:	885' gas in pipe		
		675' clean gassy oil (Gravity 40 degrees		
		180' gassy oil cut mud		
		(23.5% gas, 20% oil, 56.5% mud)		
	IFP 104 -	174#	ISIP 1150#	
	FFP 231 -	289#	FSIP 1150#	
	BHT 123 degrees			
DST #5: 3791'-3798'; 30-45-30-20;	1st open -	very weak blow throughout		
	2nd open -	no blow, flushed tool, small surge died		
	Recovered:	5' oil spotted mud		
		(5% oil, 95% mud)		
	IFP 35 -	35#	ISIP 35#	
	FFP 35 -	35#	FSIP 35#	
	BHT 116 degrees			
DST #6: 3795'-3810'; 30-45-45-60;	1st open -	weak blow increasing to 5' blow		
	2nd open -	weak blow increasing to 4' blow		
	Recovered:	125' total fluid		
		95' mud cut heavy oil		
		(85% oil, 15% mud)		
		30' oil cut mud		
		(10% oil, 90% mud)		
	IFP 35 -	46#	ISIP 1127#	
	FFP 58 -	69#	FSIP 1092#	
	BHT 118 degrees			