

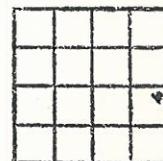
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- BISHOP OIL COMPANY
Farm- Webster No. 1

SEC. 2 T. 26 R. 11W
NE NE SE

Total Depth. 4396½ RB
Comm. 4-9-53 Comp. 5-27-53
Shot or Treated.
Contractor.
Issued. 7-11-53

County Pratt
KANSAS



Elevation. 1982 D.F.

Production. BHB 609 bbls & no wt

CASING:

8" 881'
5" 4360'

All meas. from top of RB, which is 3' above the derrick floor. Figures indicate Bottom of Formations.

Drillers log 0 - 3550	250	lime; strks gry-blk sand		Tops: RB Corr.	
red bed	825	shale	4066	Stone Corral Anhyd. (Drillers Top)	825-85
anhydrite	885	shale gry & pale grn, some brn; trace fine		Heebner shale	3579-84
shale	1380	grn sand	4091	Brown Lansing	3736
shale, salt	1861	lime mostly; chert gry to olive; shale gry-green	4104	Lansing	3764
limestone	2100	shale, gry-green	4111	Base Kansas City	4067
limestone sdy	2240	lime red to gry to tan; much chert	4123	Marmaton	4067
limestone	2435	shale mostly; some lime	4129	Possible Top Congl.	4153
shale, limestone	2765	lime gry-grn; some red; some red-tan dolo;		Probable Top Congl.	4169
shale	2925	chert	4147	Mississippi	4183
limestone	3550	shale gry-green	4152	Kinderhook	4204
Sample Log starts	3550	shale brick red, some pale grn, sand grains	4167	Viola	4250
lime, brn, dolomitic	3556	chert much red; trace sand; much chert	4181	Simpson	4296
lime mostly, strks shale	3579	chert salmon & brn	4202	Arbuckle	4360
shale, brn-blk	3582	shale gry-grn, grn; some chert, some wht-brn; some pale green		Remarks:	
lime, blue-gry to brn-gry, to dns	3588	silty shale; some brn, dns lime incl. in sh.	4238	Leavenworth	3582
shale, gry to gry-grn	3592	chert	4244	Snyderville	3588
limestone	3615	shale, as above	4248	Toronto	3592
shale gry & grn, strks sand, siltstone gry-grn, strks gry-brn	3736	chert, some pale, grn-wht; strks tan to red limestone	4286	Douglas	3615
lime tan to brn, dns	3745	limestone sandy	4294	Porous on electric log, no porosity in samples	3766-72
shale, strks lime	3764	shale pale-grn to gry-green, sandy	4299	Possible trace stain, good odor	3791-3802
limestone	3766	sand; lime, chalky, very sandy	4308	Sli. to fair show free oil, slight odor:	
limestone, oolitic	3772	sand & lime, as above	4310	D.S.T 3813-20	
lime, much shale	3791	sand, good porosity	4312	Fair show free oil, good odor: D.S.T. 3850-59	
limestone,	3802	shale, green, sandy	4315	Sli. spotted drk stn	3866-68
lime gry to brn, dns; strk shale @ bttm	3813	limestone, sdy, as above	4319	Sli. spotted drk stn	3871-80
limestone, good por.	3820	shale gry-grn to pale green, sdy; strks sand; strks dolomite	4358	Good show free oil, good odor; D.S.T. 3904-09	
lime brn to gry; much chert; shale	3850	dolomite; chert	4367	Fair stain	3938-42
lime; chert	3859	(Rotary Total Depth 4360)		Good odor, good show free oil; D.S.T. 3949-60	
lime; shale	3866	shale much pale to fairly bright grn, sdy; sand wht to pale grn, shaly, dolomitic	4372	Very good show free oil, good odor; D.S.T. 3982-4002	
lime; chert	3868	dolomite; some chert	4379	Porous on electric log, no porosity in samples	4029-36
lime, shale	3871	dolomite, as above	4382	Trace stain	4111-23
lime; chert	3880	dolomite; some chert	4389	Sli. trace free oil, trace odor; D.S.T. 4167-81	
lime mostly; chert strk gry-grn shale	3904	shale much drk Forrest green; drk grn dolo.; many free sand grns	4396½	Sli. trace free oil, trace odor; D.S.T. 4181-4202	
lime gry-brn	3909	Total Depth		Sli. show free oil, trace odor; D.S.T. 4248-86	
lime gry to brn, dns chert; strks grn shale	3938			Sli. to fair free oil, fair odor; D.S.T. 4299-4308	
limestone	3942			Fair show free oil, fair odor; D.S.T. 4310-12	
lime; strks green shale	3949			Spotted porosity, few pieces w/show oil, as above	4315-19
limestone	3960			No show	4367-72
lime gry to brn strk gry-green shale	3982			3 to 4 BWPB	4379-82
3977-82				Bailed 7 BWPB	4389-96½
limestone	4002				
lime; strks gry-grn & blk shale	4029				
lime, as above	4036				

(Over)

Drill Stem Tests:

Lansing-Kansas City:

- #1 3808-28 (Zone #3); Open 1 1/4 hrs - tool partially plugged for 30 mins. Weak intermittent blow which increased to fair, steady blow at end of test. Rec. 2000' gas, 90' heavily oil & gas cut mud & muddy oil, BHP 775# (20 min.)
- #2 3844-60 (Zone #4); Open 1 hr - small blow throughout test, Rec. 180' slightly oil cut mud. BHP 1075# (20 min.)
- #3 3900-10 (Zone #6); Open 1 hr - strong blow throughout test, gas to surface in 35 mins. Rec. 30' slightly oil & gas cut mud, 90' heavily oil & gas cut mud & muddy oil. 90' clean gassy oil. BHP 1035# (20 min.)
- #4 3943-62 (Zone #8); Open 45 mins. - weak blow throughout test, Rec. 120' gas cut muddy water. BHP 1230# (15 mins.)
- #5 3977-4000 (Zone #9); Open 1 hr - strong blow throughout test; gas to surface in 36 mins. Rec. 150' heavily oil & gas cut mud, 90' muddy oil. BHP 975# (20 min.)

Conglomerate - Mississippi:

- #6 4169-97; Open 1 hr - strong blow throughout test, gas to surface in 23 mins. Rec. 60' gas cut mud. BHP 1090# (15 mins - still building up rapidly).

Viola:

- #7 4237-87; Open 1 hr - strong blow throughout tes, gas to surface in 8 mins. Rec. 3840' clean gassy oil. BHP 1320# (20 min.) IFP 475#, FFP 840#.

Simpson:

- #8 4290-4323: Open 1 hr - strong blow throughout test, gas to surface in 27 mins. Rec. 80' oil cut mud, 240' muddy oil, 400' clean oil. BHP 975# (20 min.) IFP 205#, FFP 270#.

A Gamma-Ray, Laterolog, Microlog combination was run on this well

The measurements on this log agreed with the drilling measurements to a depth of approximately 4150. From 4150 to the R.T.D., the electric log measurements are 2 to 3 feet deeper than the drilling measurements. The drill pipe & casing were strapped at the T.D. & both agreed with the electric log measurements.

Rigged up cable tools & drilled to T.D., at which point hole making approx. 7 BWPB P.B 4340. Perf. 50 holes 4301-10, Swabbed 6 B0/7 hrs. Perf. 18 holes 4310-13 & 18 hole 4315-18. Swb 3 1/2 BOPB for 14 hrs, much gas. Ran tubing w/packer & acidized w/500 gal. Started to swb back load & had about 10 bbls of load when swb was lost in hole. After fishing out swb, well swbbed about 4 1/2 BOPB. Ran gel-acid fracture job w/ 1500 gal. 5% gel-acid & 2000# sand. Max press. 3600#, treating press. 2500#. C.O. swabbed at the rate of 15 BOPB.

