

To: CRA Prod., KC
 cct: Assoc. Oil & Gas
 Roy Wood
 File

WELL RECORD

Well No. **19** Farm **Woodward** Producer **CRA, Inc.**

Location **2315' NW 2120' NW 1/4** Sec. **12** Twp. **25S** Rg. **21E**

Elevation **1060'** State **Kansas** County **Bourbon**

Kind (Oil, Gas, Water, Dry Hole) **Oil** Contractor **Acc-III Exploration Co.**

Producing formation Top Bottom

Shot with qts. from to

Packer Set at Kind Size

Liner from to Perforated from to

LOG

Thick-ness	Strata	Depth	Thick-ness	Strata	Depth
7'	Soil & Clay	7'		Core #1	
65	Line w/sh.brks	65		(655'-681')	
70	ln. w/sh.brks	142	16	Brkn. sandsh.	671
26	shale	168	10	Oil sd.-blcg oil	681
28	lime	196			
112	shale	308			
10	lime	318		Core #2	
23	shale	343		(681'-690')	
5	sand	348	7	oil sand	688
59	shale	407	2	shale	690
21	lime	428			
44	shale	472			
16	lime	488	47	shale	737
9	shale	497			
5	lime	502			
95	sh. & sdy. sh.	597			
3	lime	600			
1	coal	601			
21	shale	622			
31	sd. shale	653			
2	sand - shaley	655			

Total Depth **737'**

Open Hole

Casing **8 5/8"** at **24'**

Casing at

Casing at

Cement

Tubing **Run 732' of 4" -- cemented to top by Halliburton.**

Rods

Additional Information

All measurements taken from ground level.

Date Completed **3-9-65**

O. K.

Superintendent