

R. Watchorn Oil Co.
#1 Morrison

Sec 20 Twp 32 Rge 21 W
CNL NE of SE NE

Com 12-21-23 comp 1-21-26

Clark Co.

TD 5679

Elevation 2073

~~Production Dry~~

Determination by Mr. Roth

The samples are quite scattered, thus definite correlations rather impossible

Wabaunsee

3373-3377 Dark gray shale and some oolitic lime

Shawnee

The above shale may also be in the Shawnee

3540-3550 Gray and brown shale

3550-3560 Gray shale

3560-3565 Gray shale and lime Ervine Creek Bryozoa and fusulina sp resembles *F pawhuskaensis*

3565-3580 Gray shale

3580-3585 Lime

3622-3630 Gray shale and some cherty lime

3635-3640 Lime

3645-3653 Dark gray shale and lime

3720 Lime

3740 Lime

3745 Oolitic dolomite lime

3775-3780 Lime

3790-3795 Lime and dark gray shale

3805-3815 Lime

3825 Lime

T. sp. cf. cullomensis

3840 Lime

3865 Lime

3875 Dark gray shale

3920-3925 Dark gray shale and lime

3970-3980 Dark gray shale

Douglas

4170-4180 Black shale and micaceous sand

4190-4200 Micaceous sand and black shale

Ammodiscus sp.

4200-4225 Micaceous sand and dark gray grit

4225-4250 Micaceous sand

Kansas City-Lansing

4250-4255 Gray shale

4260-4270 Gray shale

4300-4305 Gray shale and lime

4340-4345 Lime

4380-4395 Alternating lime and gray shale

4420-4425 Gray and brown shale

4430-4435 Gray shale

~~4450-4455~~ ~~Lime~~ Gray shale

4480-4485 Dark pyritiferous lime

4520-4580 Coal and dark gray shale

T. 2 sp.

4595- Very coarse lime

4615	Chert with sponge spicules	
4625-4635	Lime and chert	
4635-4645	Dark gray shale and lime	
4650-4660	Lime and chert	
4675-4685	Cherty lime	
4690-	Lime	
4700-4710	Lime	
4720-4730	Lime	
4740-4750	Lime and gray shale	
4760-4770	Lime and gray shale	
4775-4780	Gray shale	
4795-4805	Lime and black shale	
4805-4815	Lime	
4820-4825	Lime	
4830-4845	Lime and chert	
4845-4850	Black shale	Gastropods and Amphissites centronotus
4855-	Oolitic lime	
4870	Lime	
4880	Lime	

Marmaton The marmaton may start somewhere above this point, but certainly not any lower.

4895-4905	Gray and black shale	
4910-	Black shale	
4925	Lime	
4940	Lime, brown dolomite	
4950-4960	Lime	
4960-4970	Lime and dark gray shale	
4970-4984	Dark gray shale and coal	
4995-5000	Gray shale	
5015-5020	Dark gray shale	
5025-5030	Lime	
5030-5040	Gritty green gray shale	
5040-5065	Lime	
5065-5080	Shale	
5080-5090	Lime and gray shale	
5090-5105	Lime and chert	
5105-5120	Lime	
5120-5135	Dark gray shale	
5135-5145	Lime	
5145-5155	Gray shale	
5155-5170	Lime	
5170-5180	Gray and black shale	
5180-5185	Lime	
5210-5215	Cherty lime	
5215-5220	Black shale and coal	
5220-5235	Black shale	
5235-5245	Black shale and lime	
5245-5250	Lime	
5250-5255	Gray green shale	
5255-5270	Gray shale	
5270-5275	Lime	
5275-5280	Gray shale	
5280-5282	Greasy green shale and lime with some coal	
5322-	Gray, drab, fissile, variegated shale and angular to frosted sand (oil) and 25 million gas	
5338-5340	Dark gray and drab fissile shale and some greenish dolomite with chert fragments	

5340-5346 Fissile gray shale and angular sand
5348-5349 Fissile black and brown shale (The above 100' or more is
probably Cherokee.)

Mississippian

5357-5362 Gray chert and white oolitic fossiliferous lime
5365-5380 Oolitic lime and chert (caving badly) Crinoid stems, spines, etc.
5380-5395 Fine granular lime and some sand (water)
5398-5400 Sand
5400-5405 Oolitic lime and fine angular sand
5405-5415 Granular lime (oil)
5415-5443 Granular lime Crinoidal

DRILLERS LOG

5448-5475 Gray lime
5475-5488 White lime (2½ bbls. water)
5488-5500 White lime
5500-5510 Gray lime
5510-5529 White lime
5529-5543 Gray lime
5543-5555 Blue lime
5555-5559 Gray Lime
5559-5564 White lime
5564-5606 Gray lime
5606-5623 White Lime
5623-5652 Gray lime
5652-5679 White lime (one sample from 5671-5675, fine granular lime)
5679-5696 Shale (This shale may be Kinderhook. I do not have a sample
of it, and apparently there is none to be had.)

Company R. Watchorn Oil Co.

Sec. 20 T. 32S R. 21W
Loc. C NL NE of SE NE

Farm Morrison

No. 1

Total Depth 5679

Comm. 12-21-23

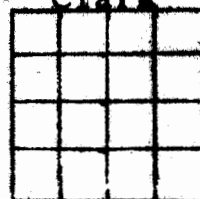
Shot or Treated

Contractor

Issued

Comp. 1-21-26

County Clark



Casing

20 in.	10 in.
15 1/2	8 1/4
12 1/2	6 5/8
13 3/8	5 3/16

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Production Dry

Figures Indicate Bottom of Formation

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3645-3653	Dark gray shale and lime
3720	Lime
3740	Lime
3745	Oolitic dolomitic lime
3775-3780	Lime
3790-3795	Lime and dark gray shale
3815-3815	Lime
3825	Lime T. sp. sullomensis
3840	Lime
3865	Lime
3875	Dark gray shale
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3970-3980	Dark gray shale
	<u>Douglas</u> 4170-4250
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Kansas City- Lansing 4250-4880

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4635-4645 Dark gray shale and lime
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