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Geol WC  
~~WE~~

6

Field .....

State Kansas County Seward

Company Westoma Oil Co.

Farm Keating Well No. 1

Sec. 33 Twp. 34S Range 34W  
 Blk. 34S Survey 34W

fr N ..... fr E ..... fr S ..... fr W .....

of C NE SW

Contractor Mid Western

Remarks Miss Test

Comm. 12-26-55 Comp. 8/8/56

Elev. 2910 DF 0366 T. D. 6472 P. B. ....

Pay Chester = 6168-87 6203-08 6212-15

TORONTO = 4376-88  
Chester 5600 MCF (C.W.H.P.) = 1386 SIP  
L.P. TOR = 540 MCF (C.W.H.P.) = 1955 SIP

Casing Record: 13 3/8 686/600 7

20 10 3/4 5 1/2 6464/950

16 9 5/8 2914/500

Date	Notes	Tops
DEC 7 1955	✓	Log TOP
DEC 14 1955	✓	Hwell 2571
DEC 21 1955	✓	Hwell 2634
DEC 28 1955		L Kri 2691
JAN 4 1955		Wing 2744 + 1/16
		U FT Rip 2802
		L FT Rip 2861
	<u>RTD 2914 9 5/8 2914/500 ran log.</u>	
	<u>WOC</u>	<u>Log</u>
JAN 11	<u>4145</u>	<u>U TOR 4344</u>
		<u>L TOR 4384</u>
JAN 18	<u>44390-4411 sec 21' Log</u>	<u>4444</u>
	<u>5' dk grey fm to med xln br w sm Mn 5156</u>	
	<u>shale seams - some por - ft gas odor Ck 5483</u>	
	<u>2' br to grey den fully xln low Mn 5825</u>	
	<u>subcite &amp; ls</u>	<u>Chart 6153</u>
	<u>6' br above w sm sh partings ls salty</u>	
	<u>taste</u>	
	<u>3' dk brn to brn - hd - cal fine shale.</u>	
	<u>2' dk grey to brn sh</u>	
	<u>3' grey shale w dk brn den ls streaks</u>	

7910  
 7104  
 1/16

DST #1 4385-4413 op 1 1/2 hrs for bls to ne  
 40' ali gcm FPO-0 BH 625/20 HH 2160  
 DST #2 4626-4644 op 1 hr. for bls to O.  
 ne 1140 muddy SW FP 135-585 BH 1320/20  
 DST #3 5062-5088 - tuning

JAN 25 DST 5062-5088 op 1 hr for bls to O. ne  
 390' muddy SW FP 15-210 BH 1440/20  
 HH 2535 -

6112-6140 ne 28'  
 2' bl shale.  
 4' bl bottom shale  
 11' bl shale w sdy glue lm. streaks  
 7 1/2' bl shale. w interbedded clay ss. Col. 5482  
 3' <sup>very sdy ls. w small - long inclusions</sup> ~~6141-~~  
 FEB 1 6141-54 - 13' ne - <sup>2925</sup> ~~6141~~ <sup>3241x</sup> Chest 6154  
 4 1/2' fm to med gr. angular - v sil glue ss. <sup>3241x</sup> 6452  
 6 1/2' bl shale.

1 1/2' med to fine gr. ang. grey ss. w med sh part.  
 1 1/2' dk silty lm.  
 DST 6175-90 - op 1 hr 45" 975 33" op 983mf.  
 ne 100' hr gcm - total plugged  
 DST 6225-6200 op 1 hr 45" 975 15" g 153MCK in 30"  
 ne 135' hr gcm. FPO-55 BH 1425/20 HH 3070 <sup>2nd</sup> ~~1200~~  
 RTD 6472 Mr by man 5 1/2 @ 6464/950

6154-61631  
 1' dk grey to tan silty ls.  
 2' dk " " " very fine. med xlm lm.  
 4' thin alt beds dk grey to tan very fine bed. lm.  
 + grey fine shale.

split casing @  
 1808 - prep to MICT to sq hole. - in

FEB 8 WOCT

FEB 15 WOCT

PFV 12360

FEB 22 EUCT sq split in ~~sq~~ ~~at~~ @ 4342  
 sq w/200 sq. pulled 7 sq w 400 sq.

33-3~~4~~34w

Field \_\_\_\_\_  
 State \_\_\_\_\_ County \_\_\_\_\_  
 Company \_\_\_\_\_  
 Farm \_\_\_\_\_ Well No. \_\_\_\_\_  
 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_  
 Blk. \_\_\_\_\_ Survey \_\_\_\_\_  
 \_\_\_\_\_ fr N \_\_\_\_\_ fr E \_\_\_\_\_ fr S \_\_\_\_\_ fr W  
 of \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Remarks \_\_\_\_\_  
 Comm. \_\_\_\_\_ Comp. \_\_\_\_\_  
 Elev. \_\_\_\_\_ T. D. \_\_\_\_\_ P. B. \_\_\_\_\_  
 Pay \_\_\_\_\_

*Westhorne*  
*Keating 00*

I. P. \_\_\_\_\_ R. P. \_\_\_\_\_  
 Casing Record: 13 3/8 \_\_\_\_\_ 7 \_\_\_\_\_  
 20 \_\_\_\_\_ 10 3/4 \_\_\_\_\_ 5 1/2 \_\_\_\_\_  
 16 \_\_\_\_\_ 8 5/8 \_\_\_\_\_

**FEB 29** - CO to 6320 <sup>Top</sup>  
 RA Log - run T w ph to @ 6000' ?  
 to 20/6203-6208? 12/6212-15 - A/500m  
 g 87 MCF A/5000 1 hr BD g 5,208  
 MCF. 3 hr BD 4,240 MCF 16 hr BD g 2,071 MCF  
 killed w 500 g fluid & w - pulled  
 + set pl @ ~~6200~~ <sup>6200</sup> to 76/6168-6197  
 2 hr BD g 2,200 MCF. had comment  
 A/500m A/15,000 15% - 4 hr BD g  
 3,400 MCF 6 hr BD g 3,160 MCF.  
 blowing - pulled + pl.

**MAR 7**  
 1000 to ?? <sup>438698</sup>  
 set plug @ 4420 - ph 72/4376-88 - A/6000 - w/4320  
 12 hr BD 520 MCF to SW - frac/15,000  
 sd/17,500 Dircif/500 w/3500 - g 800 MCF  
 + SW - ~~to SW~~ 20" op fl 2,500 MCF  
 + 60 g suph. <sup>(12 hr BD, 520 MCF SW)</sup> 2000 7.5% Dircif/2500 g  
 520 MCF + SW? -

**MAR 14** - killed well p pl @ 4420

file CO to 6220 - sorted well  
KO + g 6,060 MCF in 4 hrs.  
24hr BDg 2,083 MCF. - MTP + pk.  
ph @ 6012 - WOT.

MAR 21 sorted T + pk - rerun  
W ph @ 5549 TESTING -

MAR 28 - 1 72 hr T P 1140#  
20" of flo g 6,064 MCF  
- Chester.

CP 51 week - 891#

20" of flo g - 5,188 MCF NET!  
TORONTO

WOT.

APR 4 ✓ WOT ✓ APR 25 ✓ JUN 6 ✓  
MAY 2 ✓ JUN 13 ✓

APR 11 ✓ MAY 16 ✓ JUN 20 ✓

APR 18 ✓ MAY 23 ✓ JUN 20 ✓

MAY 9 ✓ MAY 30 ✓ JUN 27 ✓

JUL 3 ✓ JUL 11 lowered pk to 6145'  
ran siphon string to 4370'.

WOT.  
JUL 18 ✓ 7/25/ ✓ AUG 1 ✓ AUG 8 ✓

Chest zone Thru Tubing 2" IT  
Cal. WH.O.F. 1,600 MCF  
SIP 1386

TORONTO Thru reg  
Cal. WH.O.F. 540 MCF  
SIP 1055

CSO EL Log - ELV 2912 <sup>K13</sup>  
Win 2744 + 168  
Hb 4324 - 1412  
Tor 4346 - 1434 & 540 M + 144V  
Lma 4456 - 1544 S<sub>3</sub> 6102 - 3190 0/8 NT  
Mrm 5158 - 2246 Chest 6156 - 3244 & 1.64A  
MO 5836 - 2924 St Gen 6444 - 3532

Perforations  
do not fit  
depths on EL Log

DD 163 St Louis N.S