

State **Kansas** County **Osage**

Company **Messman-Rinehart Oil Co.** Well No. **1c**

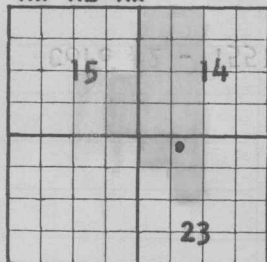
Farm **Woodward**

Survey

Block No. Sec. **23** Twp. **16 S** Range **16 E**

Co-Ord. Elev. **1088' Gr**

NW NE NW
Contr. - Seis-Tech Core Dr
50% - A. A. Seeligson, Jr.
12.5% - Collins-Hughes
12.5% - Chicago Group
25% - Messman-Rinehart Oil
ORI - Huntsman Haworth
1575' Miss. test



NOTE: Show Sketch of Lease and Well Location in Above Space

Ft. from N. Line

Ft. from S. Line

Ft. from W. Line

Ft. from E. Line

Date

Depth

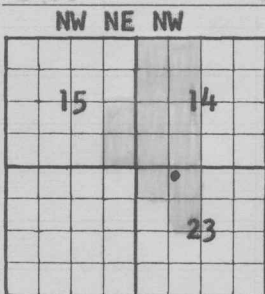
5/1/61		M.I.R.T.
5/3		8-5/8" @ 110' w/100 sx. cem., P.D. @ 7:00 p.m. 5/3/61
5/6	500	Drlg.
5/7		Twisted off @ 12:00 noon
5/8	725	Rec. fish @ 6:00 a.m. - Drlg.
5/9	1045	Drlg.
5/10	1187	Drlg.
5/11	1422	Drlg.

Date	Depth	
5/12	1520-24	Burgess (Sd. & chert) good sat. & odor)
	1524	Miss. (dolo & chert) (-433) (15' higher than offset good poro. & permea.)
Core #1 - 1531-1550 - saturated, reamed hole		
5/14	D.S.T. #1 -	1524-51 - Tool plugged in 4" BHP built up to 542#, 60' oil in hole
	D.S.T. #2 -	1524-51 - Op 1 hr., wk. intermittent blow in 4" & dk died, Rec. 173' thin mud hvy oil-cut (SIP (30") 540# (60") 520#, FP 50-105#, Temp 92°
Core #2 - 1551-71 (18' recovery)		
	1551-59	8' saturated 6' crs. crys. lime w/stng. poor por 3' dolomite, good stng. 1' (last) green shaley marl
		Ream hole
	D.S.T. #3 -	1551-71 - Op 2 hrs., Rec. 5' free oil, 480' hvy oil- cut mud (1/3 oil) BHP (30") 580-(60") 555# FP 250-340#, Temp 95°

586169.

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Survey

Block No. Sec. **23** Twp. **16 S** Range **16 E**Co-Ord. Elev. **1091'** R/B

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NOTE: Show Sketch of Lease and Well Location in Above Space

		Ft. from N. Line	Ft. from S. Line
		Ft. from W. Line	Ft. from E. Line
Date	Depth		
D.S.T. #4 - 1571-82' - Op 1 hr., Rec.			
		485' oil-cut mud, BHP 550-530#, FP 280-300#, Temp 88°	
	1617	R.T.D. (Ran Log)	
5/19		5½" @ 1609' w/50 sx. cem.	
		P.D. @ 11:30 p.m. 5/19/61	
5/27		M.I.C.T.	
5/28		Perf. 1546-64' w/112^s	
		Swbd. & baled 3 bbls. mud	

Date	Depth	
		Tested 11-12 GOPH & 3 GWPH (fresh)
5/29		SI 12 hrs. - Set overnight fillup 250' oil and 50' wtr. (fresh) & 300' gas
		Swbd. down, Treated w/500 aci went in @ top pressure of 750 Bled off with 200# pressure (no vac.) - 30" after flush Swbd. back load Swbd. down:
		1st hr. - 3 B0
		2nd hr. - 2½ B0
		3rd hr. - 2 B0
		4th hr. - 1.67 B0
		5th hr. - 1.67 B0
		6th hr. - 2.5 B0
		7th hr. - 2.5 B0
5/30		Acidized w/3000 gal. acid (15%), Max. pr. 900#, 150# pr 30" after flush, swbd. back load and wait 1 hr.
		(19° oil) 1st hr. - 7 BF (50% wtr.)
		2nd hr. - 5 BF (25% wtr.)

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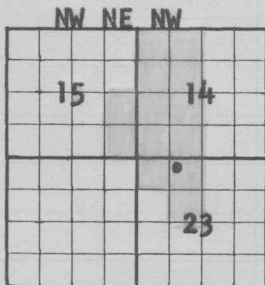
Company Messman-Rinehart Oil Co. Well No. 1

Farm Woodward

Survey _____

Block No. _____ Sec. 23 Twp. 16 S Range 16 E

Co-Ord. _____ Elev. 1091' R/B _____



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NOTE: Show Sketch of Lease and Well Location in Above Space

Ft. from N. Line		Ft. from S. Line
Ft. from W. Line		Ft. from E. Line
Date	Depth	
5/31/61	4:30	3.34 BO
	5:30	5.00 BO
	6:30	4.17 BO
	6:40	2.50 BO
	7:30-8:30	15.84 BO
	8:30-9:30	11.68 BO
	9:30-10:30	6.67 BO
	10:30-11:30	5.00 BO
	11:30-12:30	3.34 BO
	12:30-1:30	4.17 BO
	1:30-2:30	3.34 BO
7/20	P.O.P. - Pumping all wtr.	
	Incr. to 10% oil, 100 BW to	
	rec.	

[illegible]