

State **Kansas** County **Kingman**

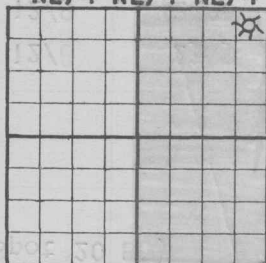
Company **Messman-Rinehart Oil Co.** Well No. **1**

Farm **Greenleaf**

Survey

Block No. Sec. **13** Twp. **28 S** Range **7 W**

Co-Ord. **(50' NE of NE/4 NE/4 NE/4)** Elev. **1532' R/B**
1530' D/F
1528' Gr



M-R Rig
50% - R. W. Rine Drlg. Co.
1/16 - Collins-Hughes
7/32 - Roger L. Messman
7/32 - C. B. Rinehart
ORI - Champlin (AM 7-1345)
Clinton White (AM 7-6271)
David Jackman (AM 5-968)

2950' Toronto test (Champlin F.O.)

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

330 Ft. from N. Line Ft. from S. Line
Ft. from W. Line **330** Ft. from E. Line

Date	Depth	
11-30-61		Spud
12-1	25'	Drlg. on surface hole
		8-5/8" @ 197' w/125 sx. cem.,
		3 gal., 2 c.c.
		P.D. @ 8:00 a.m. 12/2/61
12-3		S.U.S. @ 8:00 a.m.
12/4	1263-66	- 35 unit kick
	1328-36	- odor - 120 unit gas kick
		oolocastic lime
	1343	(Circ. for D.S.T.)

Date	Depth	(C.I.L.C. 404 D.2.1.)
12/4/61	D.S.T. #1 - 1328-43'	- op 1 hr.,
		Rec. 15' mud, 15' salt wtr.,
		SIP 568-485#, FP 54-158#,
		Temp. 108°
12/5	1550'	Drlg.
12/6	1977	Drlg.
	1966-87'	Sand (13' - 1974-87) not too
		clean, 48 unit gas kick,
		no odor
		(Mudding up 1987' prep.toDST)
12/7	D.S.T. #2 - 1957-88'	- Op 1 hr.,
(Stuck @ 1300'		SI 30", Rec. 262' mdy S.W.
Spot 20 B0)		(stuck coming out of hole)
		Figures 100' SW in drill coll
		SIP 834-751#, FP 54-158#
		Temp. 111°
12/8	2365	Drlg.
12/9	2800	Drlg.
	2907	Toronto Lime (-1375)
	D.S.T. #3 - 2902-15'	- Op 1 hr.,
		SI 30", GTS in 3",
		5" - ga. 1,000 Mcf
		15" - ga. 1,250 Mcf
		30" - ga. 1,375 Mcf
		Stabilized for 1 hr.,
	268069	SIP 1215-1194E, FP 168-246#, Temp 117°

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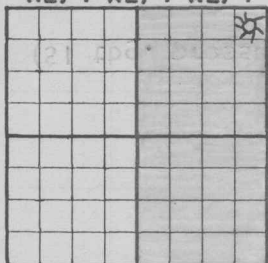
Company Messman-Rinehart Oil Co. Well No. 1

Farm Greenleaf

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Block No. Sec. 13 Twp. 28-S Range 7 W

Co-Ord. (50' NE of NE/4 NE/4 NE/4) Elev. 1532' R/B



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Ft. from N. Line

Ft. from S. Line

Ft. from W. Line

Ft. from E. Line

Date	Depth	
		Rec. 60' hvy gas-cut mud,
		30' hvy gas-cut thin mud,
		15' gas-cut salt wtr.,
		BTU test - 930-935
		(BTU test taken by Deryl I.
		Mitchell, Cities Serv. Gas Co.
		@ 2:00 p.m. 12/10/61 on
		calorimeter
12-11	2945	R.T.D. (Welex log)

Date	Depth	
		4 1/2" @ 2945' w/50 sx. cem., 1 gel., P.D. @ 5:30 p.m. 12/11/61
12/14		M.I.C.T.
12/15		Perf. 2908-12' w/16 cone shot Treated w/250 gal. acid, went in @ 680#, Swb. back, well did not kick off
12/17		Treated w/1500 acid, started in @ 700#, Decr. to 400# in 1" 200# in 5", 50# in 18", On vac. in 28", Well SI 30", ran swb. twice, well kicked of & flowed at rate of 2,170 Mcf (Impact - 17"), Tb. 875#, Csg. 925#
		(SI tbq. pressures) 950# in 1" 1000# in 2" 1050# in 3" 1090# in 4" 1125# in 5"
		Esti. op fl. - 8,000 Mcfg
12/17		SI for gas connection
12/27		Cities Serv. Gas Co. 4-pt test 5,300 Mcfg. open flow
3/8/62	268069	First gas run to Ks. Gas. Supp.

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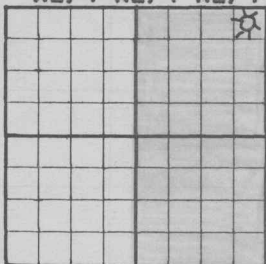
Farm Greenleaf

Survey _____

Block No. _____ Sec. 13 Twp. 28 S Range 7 W

Co-Ord. (50' NE of Elev. 1532' R/B

NE/4 NE/4 NE/4



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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	
3/11/62	Take	550,000 cf. - 840# tbg.
3/18	Take	475,000 cf. - 1041# csg.
3/22	Take	475,000 cf. - 1044# csg.
3/25	Take	475,000 cf. - 1040# csg.
		475,000 cf. - 1038# csg.