

Date	Depth	712648
10-22	4154	Circ for samples
	4000	Brn Lime (-1835)
	4011	Lansing (-1846)
10-23	DST 4191-4201,	op 1 hr, cl 20 mins. Wk to intermittent bl for 45 mins; rec 95' MSW, slioc. BHP 470#
	4281	Drlg
10-25	4526	Kinderhook (-2361) Cored 4532-47. 100% Rec. Sand and shaley sand.
	DST 4529-47,	op 1 hr. Gas to surf in 40 mins. (20,000 cf/2 1/2 hrs) Rec 210' gcm, 90' gc mdy sw, 90' sli o & heavily gcm. BHP 1110# in 30".
	4563	Drlg
	4570	Viola Chert (-2405)
10-26	DST 4570-4600'	op 1 hr cl 30 mins; rec 210' gcm. Gas to surf in 20 mins. Str bl throughout test.
		31,000 cfg in 30 mins
		39,000 cfg in 45 mins
		52,000 cfg in 1 hr.
		IFP-0, FFP-90#, BHP 1610# in 30".
	4618	Viola Dolo. (-2453) S/O
		To DST 4611-58

State Kansas County Edwards

Company Grahamhart-Miller Oil Co. Well No. 1

Farm Newsom "B"

Survey _____

Block No. _____ Sec. 11 Twp. 26S Range 18W

Co-Ord. _____ Elev. _____

C S/2 NE SE

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	
10-27	DST 4611	-58', op 1 hr, cl 30 mins; wk bl - 14 mins; rec 30' drlg mud.
	BHP	- 540#
	4658	Drlg
10-28	4710	Simpson (-2545)
	DST 4703	-42', op 1 hr, cl 30 mins; wk bl in 17 mins; rec 35' rotary mud
	BHP	-1125#
	4780	Drlg

Date	Depth	712648
10-29	4802	Arbuckle (-2637)
	4824	R.T.D. Running casing.
10-30		5 1/2" @ 4660' w/75 sx cem WOCT
11-22		MICT
11-23		Cleaned out to 4622. Finished running guard log.
10-31		Perf 4588-98 w/26 ^s . N/S
11-24		Perf 4571-78 w/21 ^s . Treated w/300 gals. mud acid. Swb 1 bbl acid wtr/hr. (6 bbls to recover)
11-26		Fraced perfs 4588-98 & 4571-78 Rec 190 bbls load oil, 249 bbls to recover, getting 2 BFPH (1/2 oil) Made 300,000-500,000 cfg.
11-27		Set plug @ 4556. Perf 4530-40 w/30 ^s . Getting 10 GOPH & 1 1/2 mil cfg.
11-29		Fraced w/4000# sd, 3000 gals. oil. Break down press-2800#. Max frac press-3550#, min frac press-3200#. Max flush press- 3000#, min flush press-2800#. Getting 1 BOPH & 1 1/2 mil cfg.
		(Lack 45 bbls getting load back)

State Kansas County Edwards

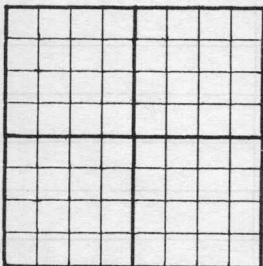
Company Gramehart-Miller Well No. 1

Farm Newsom "B"

Survey _____

Block No. _____ Sec. 11 Twp. 26 Range 18W

Co-Ord. _____ Elev. _____



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	
11-29		Preparing to perf 4193-98 and acidize.
11-30		Set plug @ 4228
		Perf 4193-98 w/20 ^s , S/O S/G, 4 BWPB, natural
		D&A
		(Plugging began 12-6, completed 12-10)