

Detailed Drilling, Geologic and Schlumberger tops, L-11 Stem Tests and Completion Data furnished Tatlock Oil Company by Osage Oil & Gas Co., Inc. Wichita office on their #1 THOMPSON NW NW SE Sec. 15-27S-15W, Pratt County, Kansas -

Elevation: 2064' R.B.

Set 8" at 318'

	<u>Geologic Tops</u>	<u>Schlumberger Tops</u>
Heebner	3821 (-1757)	3821 (-1757)
Brown lime	3982 (-1918)	3982 (-1918)
Gensing	4003 (-1939)	4002 (-1938)
Conglomerate sand	4480 (-2416)	4481 (-2417)
Mississippi	4487 (-2423)	4494 (-2430)
Kinderhook	4555 (-2491)	
Kinderhook sand	4580 (-2516)	4580 (-2516)
Viola	4608 (-2544)	4610 (-2546)
Simpson	4698 (-2634)	4696 (-2632)
Arbuckle	4784 (-2720)	4785 (-2721)

5-1/2" casing set at 4612'

D.S.T. #1 4025-55 Open 1 hour
Recovered 205' muddy water
IBHP 1570# FBHP 1415# - 30 minutes

D.S.T. #2 4441-81 Open 1 hour - gas to surface in two minutes, gauged
1,540,000 cu. ft. in 15 minutes
Recovered 100' gas cut mud
IBHP 1560# FBHP 1545# - 30 minutes

D.S.T. #3 4481-95 Open 1 hour - gas to surface in two minutes, gauged
4,830,000 cu. ft.
BHP 1575# - 30 minutes

D.S.T. #4 4583-4618 Open 1 hour
Recovered 12' mud
IBHP 80# - 30 minutes
FBHP 0# - 30 minutes

D.S.T. #5 4693-4713 Open 1 hour
Recovered 330' salt water
IBHP 1675# FBHP 1670# ITP 60# FFP 210#

Perforated 4509-15 24 shots in Mississippi
Swabbed 13 gallons water per hour - show of oil
Acidized with 500 gallons mud acid.

Swab test -

6.68 bbls oil/hr. - 4 hrs. up the hole

10.00 bbls oil/hr. - 1000' off bottom

6.68 bbls oil/hr. - 1 hrs. 1300' off bottom

plus 20 to 30% water and a considerable amount of gas yet unmeasured.

Osage is hopeful that the water will decrease and have placed the well on the pump.

In addition to the Mississippi zone presently being pumped Osage still has the Cherokee and Conglomerate sands behind the pipe, which were drill stem tested, as set out above, during the drilling of this well, for later completion. (4/10/57)

Squeeze perforations to correct channel from 4515 to 4529 feet as located by channel survey. Reperforate 4510 1/2 - 2 bbls. water per hour.

Squeeze perforations 4510 1/2 - Reperforated 4509 - 14 with 45 shots

500 gals mud acid - 7500# sand in 7500 gallons fluid

Flowing through casing

Production stabilizing between 25 to 35 barrels oil per day and
25 to 35 barrels water per day estimated.
1 MCFG plus

OSAGE OIL & GAS CO., INC. - #1 THOMPSON NW NW SE Sec. 15-27S-15W, Pratt Co., Ks.
(Continued)

- 7/27/57 - Flowing through 5-1/2" casing 38.64 bbls.
7/28/57 - Flowing through 5-1/2" casing 28.84 bbls.
7/29/57 - Flowing through 5-1/2" casing 24.84 bbls.
Shut in casing pressure 1400#
- 7/30/57 - Load hole with oil to kill well
Ran 2" tubing to test gas
- 7/31/57 - Flowed load oil back
- 8/ 6/57 - Made 30.36 bbls. of oil through 2" tubing with tubing pressure 425#
Casing pressure 800# and 1,500,000 cu. ft. gas through 32/64" choke.
- 8/28/57 - Estimated open flow 2,000,000 cubic feet gas per day.
Maximum deliverability 1,470,000 cubic feet gas per day.
- Well making 30 BO/D and 30 BW/D - flowing
- 9/ 4/57 - Thompson #1 flowing - moved unit and rods away from location.
- 9/ 9/57 - Gauge of 2,000,000 cu. ft. by Panhandle Eastern test.
Gauge of 1,650,000 cu. ft. by Panhandle Eastern deliverability test.
- Panhandle Eastern to take gas at 13 1/2 per 1000 cu. ft. which may create a problem of Osage producing the allowable oil too.

Osage ran tubing in Covey #1 SW SE SE SEC. 3-27S-15W for Panhandle Eastern as they want the gas from it.

Excerpt taken from August 23, 1957 issue of THE INDEPENDENT OIL & GAS SERVICE.

15-27-15W NW NW SE Osage O & G #1 Thompson (Pratt) E 2064 RB: 8" 318:

Heebner 3821: Brown Lime 3982: Lansing 4002: Conglomerate sd 4481:
Mississippi 4494: Kinderhook 4547: Kinderhook sd. 4580: Viola 4610:
Simpson 4696: Arbuckle 4785: TD 4820: 5" 4612: 24/4509-15: 13 BWPH,
SSO: Acid 500 Swb 6 1/2 BOPH/4 hr: Swb 10 BOPH, 20% wtr: Swb 6 1/2 BOPH/4 hr.
25-30% W: 3/4510: Acid 500: 2 BOPH/23 hr: 90% W: 20 /4509-14: Acid 500
3 BOPH, 80% W/6 hr: Frac: Fl 28 BO/24 Hr. 50% W & 1 MLL CFG: Frac
33 BO: 41 BO, Wtr: 25 BOPD: Swb 19 BOPH & 1 1/2 MLL CFG: POP