

## 17 New Fields Recognized in Kansas

The Kansas Geological Society's Nomenclature Committee, in association with the Kansas Corporation Commission (KCC) and the Kansas Geological Survey, recognized and named 17 new oil and gas fields in Kansas at a meeting held on May 1, 2013 in Wichita, Kansas. This brings the total number of *new fields* recognized this year to 71, or 26 more new fields compared to the same period a year ago - a gain of nearly 57.8 percent.

There were 6 new "*infield wildcat*" discoveries recognized in established fields to bring the total number of new discoveries of *all types* this year in Kansas to 94. This is 42 more discoveries compared to a year ago for a gain of nearly 80.8 percent.

The Committee also extended the boundaries of 24 existing oil and gas fields and noted 5 new formation pay zone discoveries in various established fields. No abandoned fields were revived.

### NEW OIL & GAS FIELDS

County	Field Name	Operator	Lease	S-T-R	Type	Pay Zn
Chautauqua	<b>Prairie Springs North</b>	Nemaha Oil & Gas LLC	1A-26-34-8H Cooper	26-34s-8E	Oil	Miss
Ellis	<b>Schoenthaler East</b>	Staab Oil Co	1 Mary - Ann	33-12s-19W	Oil	LKC
Gove	<b>Castle Bluff</b>	Ritchie Exploration	1 Kuhn 19-A	19-12s-28W	Oil	LKC
Ford	<b>Thunder North</b>	Ritchie Exploration	1-X Ford Yard - KSR Twin	12-27s-24W	Oil	Marm
Ford	<b>Kingsdown East</b>	SandRidge Expl & Prod LLC	1-13H James 2922	24-29s-22W	Oil	Miss
Ford	<b>Bloom Townsite West</b>	BEREXCO Inc	1-34 Shelor	34-29s-24W	Oil	Mrw
Graham	<b>Railroad SE</b>	H & C Oil Operating	14-1 Faulkner	14-8s-22W	Oil	LKC
Harper	<b>Corwin SE</b>	Shell Gulf of Mexico	28-1H Koblitz 3409	28-34s-9W	Oil	Miss
Hodgeman	<b>Spreier SE</b>	Tug Hill Operating LLC	1-33H Stallings Unit	33-22s-23W	Oil	Miss
Ness	<b>Nonchalanta NW</b>	American Warrior	1-18 Uehling Unit	18-20s-25W	Oil	Miss
Norton	<b>Red Fox West</b>	Baird Oil Co	1-27 Esslinger Ranch	27-3s-22W	Oil	LKC
Pawnee	<b>Newsom SW</b>	Bear Petroleum LLC	1 Tombaugh Unit	26-20s-20W	Gas	Miss
Reno	<b>Overall West</b>	Unit Petroleum Co	29-1H Debes	29-25s-10W	Gas	Miss
Rush	<b>Big Timber East</b>	Mustang Energy Corp	1-8 Herrman	8-16s-18W	Oil	Arb
Sheridan	<b>Hoxie North</b>	Castle Resources	1 Melanie	25-8s-29W	Oil	LKC
Sheridan	<b>Custer North</b>	Culbreath Oil & Gas Co	1-01 Mader	1-10s-26W	Oil	LKC
Sumner	<b>Eden Road West</b>	SandRidge Expl & Prod LLC	1-20H Peter 3404	20-34s-4W	Oil	Miss

## DISCOVERY / DEVELOPMENT HIGHLIGHTS

**H & C Oil Operating, Inc.**, Plainville (KS), has successfully completed an infield discovery well on a separated feature located on the western side of the Holley West field (est. 1968, Lansing-Kansas City oil) in **Graham** County. The 26-1 David Trust (API 15-065-23891) is producing an unknown amount of oil at site located in the NE NW SW of section 26- T8s- R25W, about one and one-quarter miles south of Morland, Kansas. American Eagle Drilling tools bottomed the well at a total depth of 4010 ft.

**Downing-Nelson Oil Company, Inc.**, Hays (KS), has discovered a new pay horizon in the Erleka field (est. 2006, Lansing-Kansas City oil) located in the southeastern corner of **Trego** County. Arbuckle oil deposits, along with LKC oil, has been recovered at the 2 Erleka (API 15-195-22846), spotted in the NE NW NE of section 14- T14s- R21W. The field stepout well was completed for 10 barrels of oil and 40 barrels of oil per day with LKC pay zone from 3619 to 3623 ft and Arbuckle pay from 3969 to 3972 ft. Discovery Drilling tools drilled the well to a total depth of 4070 ft. Field area lies six and one-half miles south and one and one-half miles west of Ellis, Kansas.

**Murfin Drilling Company, Inc.**, Wichita (KS), has discovered a new unnamed oil field in northwestern **Rawlins** County with the completion of the 1-22 PTL well (API 15-153-20910), located in the SW NW SE of section 22- T2s- R36W. The wildcat well discovered Lansing-Kansas City oil deposits nearly a mile southwest of the recently established Happy Southwest field (Lansing-Kansas City oil). Murfin opened the field late last year with the completion the 1-23 Frisbie in the NW/4 of section 23. No completion details have been released. Company rotary tools drilled the well to a total depth of 5060 ft. Wellsite is located about five miles north and one mile east of McDonald, Kansas.

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# DISCOVERY / DEVELOPMENT HIGHLIGHTS

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**Mid-Con Energy Operating**, Tulsa (OK), has completed their third Marmaton limestone oil producer in Kansas at the 1-12H Holland (API 15-195-22811) - a 7476 ft (measured depth) horizontal well in **Trego** County. The Sherfick Northwest pool stepout was completed for 150 barrels of oil and 40 barrels of water per day at site located about one and one-half miles north of the town of Ogallah, Kansas.

Top of the Marmaton formation was logged at 3974 (-1637 kb). True vertical depth at the toe of the lateral section was measured at 3997.83 ft. Operator completed the well in nine stages from thirty-six sets of perforations shot over an interval ranging from 4499 to 5922 ft in depth. The well was drilled in the SE SE SW SW of section 12- T12s- R22W with the horizontal leg running in a northwesterly direction ending in the northwest corner of the same section. Trinidad Drilling served as contractor.

**BEREXCO, Inc.**, Wichita (KS), is producing 25 barrels of oil per day, no water, at the 1-34 Shelor (API 15-057-20853) wildcat well in **Ford** County. The well opens a new unnamed oil field nearly one and one-quarter miles west of known Morrow oil and gas production in the Fager East field (est. 1983). BEREXCO's latest find is also producing oil from Morrow perforations from 5378 to 5384 ft. Wellsite geologist David Gould called the log top of the Morrow at 5351 (-2750 kb). Company-owned rotary rig bottomed the well at a 5500 ft. Field area is located four and one-half miles northeast of Minneola, Kansas.

**SandRidge Exploration and Production, LLC**, Oklahoma City (OK), has established Mississippian oil production at their 1-20H Peter 3404 (API 15-191-22668) horizontal well located in the SE/4 of section 20- T34s- R4W, in southwestern **Sumner** County. Operator found the new reserves nearly one and one-quarter miles southwest of the now abandoned Bluff field which also produced Mississippian oil from 1980 to 1994. The 1-20H Peter 3404 was drilled from a surface location in the SW SE SE SE of section 20 with lateral hole extending in a northerly direction into the N/2 NE SE of section 17. True measured depth is 11,618 ft. No completion details have been released. The unnamed field lies about eight miles west of Caldwell, Kansas.

**Mustang Energy Corporation**, Hays (KS), has discovered Arbuckle oil deposits at their 1-8 Herrman (API 15-165-22010), spotted in the SW NE NE of section 8- T16s- R18W, in **Rush** County. The wildcat well was drilled to a total depth of 3690 ft at site located about one and one-half miles north of the town of Liebenthal, Kansas. Closest known production is found nearly three-quarters mile to the west in the Big Timber (Lansing-Kansas City) oil field. The new field is unnamed at this time.

**Ritchie Exploration, Inc.**, Wichita (KS), has completed the 1-X Ford Yard - KSR "Twin" well (API 15-057-20865) in **Ford** County. The wildcat well is producing an undisclosed amount of oil from the Pawnee Limestone member of the Marmaton Group. Duke Drilling tools bottomed the well at a total depth of 5075 ft. Well site is located in the NW SW NW of section 12- T27s- R24W, over one mile north of Marmaton oil producers in the Big Thunder oil field, which Ritchie discovered in March a year ago with the completion of the 1 Potosi in the SW/4 of section 13. The new unnamed field is situated about two miles southeast of Fort Dodge, Kansas.

**Staab Oil Company**, Hays (KS), is pumping 20 barrels of oil and 5 barrels of water per day at the 1 Mary Ann (API 15-051-26469) new pool discovery well in **Ellis** County. Located in the NE SW NE of section 33- T12s- R19W, the well is producing crude from the Lansing-Kansas City formation from perforations between 3494 to 3497, 3616 to 3618 and 3636 to 3640 ft. Shields Drilling tools drilled the well to a total depth of 3916 ft. Field area is located nearly three miles southwest of Hyacinth, Kansas. Geologist Randy K. Kilian provided well site supervision.

**Bear Petroleum, LLC**, Haysville (KS), has successfully completed the 1 Tombaugh (API 15-145-21685) as flowing 250 Mcf gas daily, no water, from the Mississippian formation. Operator discovered the new gas reserves over one and one-half miles southwest of the Newsom Field where over 10,000 barrels of Mississippian oil was recovered from 1966 through 1993. Well site is located in the SE SE SW of section 26- T20s- R20W, about two and one-half miles northeast of the town of Burkett, in **Pawnee** County.