

## 22 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**, has named 22 new oil and gas fields in Kansas at a recent meeting held in August in Wichita, Kansas. This brings the total number of *new fields* recognized in 2012 to 7, or 18 more fields than was reported for the same period a year ago, a gain of nearly 31 percent.

There were also 3 new "*infield wildcat*" discovery wells recognized in established fields, thus bringing the total number of *new discoveries* of all types this year to 98. This is 28 more discoveries compared to a year ago, a gain of 40 percent.

The Nomenclature Committee also extended the boundaries of 13 existing fields, noted 8 new pay sources in various established fields, and recognized the revival of one previously abandoned field.

### NEW OIL & GAS FIELDS

County	Field Name	Operator	Lease	S-T-R	Type	Pay Zn
Barber	<b>Gudeman SE</b>	Shell Gulf of Mexico	12-1H Schrock 3510	12-35s-10W	Oil	Miss
Barber	<b>Kiowa Townsite SW</b>	Chieftain Oil Co	1 Millie A	15-35s-11W	Oil	Miss
Comanche	<b>Sassy</b>	SandRidge expl & Prod LLC	1-19H Ellis	30-31s-19W	Oil/Gas	Miss
Comanche	<b>Wiggins Creek West</b>	SandRidge Expl & Prod LLC	1-1H Iris	1-31s-20W	Oil/Gas	Miss
Comanche	<b>Six Moons</b>	SandRidge Expl & Prod LLC	1-15H PTL	15-31s-20W	Oil/Gas	Miss
Ford	<b>Sanko NE</b>	Vincent Oil Corp	1-9 Riegel	9-28s-23W	Gas	Miss
Harper	<b>Bluff City</b>	Primexx Operating Co	33-1 Greve	33-34s-5W	Oil	Miss
Harper	<b>Okan North</b>	SandRidge Expl & Prod LLC	1-4H Cather	4-35s-7W	Oil	Miss
Harper	<b>Okan East</b>	SandRidge Expl & Prod LLC	1-14H Hopkins	14-35s-7W	Oil/Gas	Miss
Harper	<b>Waldron East</b>	SandRidge Expl & Prod LLC	1-12H Brad	12-35s-8W	Oil/Gas	Miss
Harper	<b>Waldron</b>	SandRidge Expl & Prod LLC	1-14H Lit Trust	14-35s-8W	Oil/Gas	Miss
Hodgeman	<b>Stallings</b>	Deutsch Oil Co	1-31 Stallings	31-23s-23W	Oil	her
Morton	<b>Wilburton NE</b>	OXY USA	3 Stanford A	26-34s-41W	Oil	Miss
Norton	<b>Densmore South</b>	Castle Resources	1 McKinley	24-5s-22W	Oil	?
Phillips	<b>Woodruff SW</b>	Bach Oil Production	1 Pete's Pond	14-1s-19W	Oil	LKC
Phillips	<b>Starvation Creek East</b>	Bach Oil Production	1 Brands Unit	4-2s-19W	Oil	KC
Reno	<b>Overall</b>	Unit Petroleum Co	1-21H Overall	21-25s-10W	Oil	Miss
Rooks	<b>Reservoir NW</b>	Black Diamond Oil	1 Pettijohn	30-7s-19W	Oil	LKC
Russell	<b>Driscoll North</b>	Jason Oil Co LLC	1 Weber	13-15s-12W	Oil	Arb
Scott	<b>Isbel NW</b>	New Gulf Operating LLC	1-28 Krug	28-17s-34W	Oil	Marm
Scott	<b>Beaver Lodge</b>	New Gulf Operating LLC	1-32 David	32-17s-34W	Oil	Mrw
Trego	<b>Zeman West</b>	Samuel Gary Jr & Associates	1-32 Armbruster Etal	33-11s-21W	Oil	LKC

### *Infield Wildcat Discoveries*

Gove	<b>Antelope Ridge NW</b>	Ritchie Exploration	1 Phillips Trust (18C)	18-13s-31W	Oil	Cher
Gove	<b>Shanline NE</b>	Trans Pacific Oil Corp	1-35 Bentley B	35-15s-28W	Oil	LKC
Trego	<b>Shaw Creek SE</b>	Samuel Gary Jr & Associates	1-31 Shubert Etal	31-11s-21W	Oil	LKC

## New Discoveries & Developments

**Castle Resources, Inc.**, Schoenchen (KS), has a new oil discovery in **Norton** County, northwest Kansas. The #1 McKinley is producing crude at an undisclosed rate in approximately SE NE SW in section 24- T5s- R22W, about 2.5 miles south of the town of Densmore. Well site lies nearly 2 miles southwest of the active Densmore oil field which has given up oil from the Lansing-Kansas City and Reagan sand formations. Productive zone at Castle's new discovery is unknown. Tornado Drilling tools drilled the well to a total depth of around 3,800 ft. The new field has been named tDensmore South

**Primexx Operating Corporation**, Dallas (TX), is pumping 20 barrels of 40-degree gravity oil and 291 barrels of water per day at the #33-1 Greve in **Harper** County. The new Bluff City pool discovery is located in C SW SW of section 33- T34s- R5W. The wildcat well found the Mississippian formation to be productive from perforated depth between 5064 to 5092 ft. Rotary total depth is 5350 ft. The new reserves are located about one mile north of the Willtex Northwest oil field (Mississippian and Simpson Sand oil), or 2 miles south of Bluff City, Kansas. Formed in 2000, the company has expanded exploration into Kansas after devoting most of their efforts in north-central Oklahoma, Parker County, Texas and the Permian and Delaware Basins of Texas.

**American Energies Corporation**, Wichita (KS), has successfully expanded Mississippian gas production southwest of the Kingman (Mississippian and Kinderhook) oil and gas field in **Kingman** County. The firm's #1-21 Schwartz / Stuart, spotted in approximately NE NE SW in section 21- T27s- R7W, has been completed as flowing 150 Mcf gas daily, no water. The 4247-ft deep well is producing gas from perforations placed from 3878 to 3883 ft. Field area is located about 1.5 miles north of Kingman, Kansas.

Independent producer **L. D. Drilling, Inc.**, Great Bend (KS), has discovered a new pay source while extending the recognized field boundary of the Cartmill Northwest in **Lane** County. Operator stepped-out nearly one-half mile northwest to drill and complete the #1-20 Meyer in approximately NE SW NE in section 20- T17s- R28W. The well is producing an unknown amount of oil from both Marmaton perforations from 4434 to 4440 ft and Cherokee from 4505 to 4528 ft overall. This is the confirmation well for the field which Palomino Petroleum established in 1985 with Lansing-Kansas City and Marmaton production. Duke Drilling bottomed the well at a rotary total depth of 4700 ft at site located 3.2 miles south of Shields, Kansas.

**Samuel Gary Jr and Associates, Inc.**, Denver (CO), has extended the Shaw Creek Southeast pool boundary with the completion of an infield wildcat discovery located nearly 5/8-mile from closest producing well in the field. The #1-31 Shubert Etal, drilled to a total depth of 4081 ft in approximately NE SE NW in section 31- T11s- R21W, is producing an undisclosed amount of crude from the Lansing-Kansas City formations. This is the second LKC well completed in the field for Samuel Gary Jr. and sixth well in the field, which was established by Kansas Oil Corporation in 1978. Field is situated about 4 miles north and 2 miles east of Ogallah, Kansas.

**OXY USA**, Houston (TX), has discovered Mississippian oil reserves at a 1/4-mile easterly step-out of the Sequoyah South field in **Finney** County, southwest Kansas. The #1 Garden City 'V', located in approximately NW NW SW in section 27- T23s- R34W, adds new pay source to the previously all Morrow oil field. The 4960-ft deep well is also giving up commingled Morrow oil. Completion details are confidential. This makes the third oil well completed in the Sequoyah South field by OXY USA, or its predecessor, Cities Service Oil, who discovered the field in 1982. OXY USA has two additional wells slated for development of the field. The field lies 2.5 miles north and 3 miles west of Holcomb, Kansas.

**Shell Gulf of Mexico**, Houston (TX), has reported the completion of their second horizontal discovery well in Kansas at the #12-1H Schrock 3510, spotted in approximately NE NW SW in section 12- T35s- R10W, **Barber** County. The wildcat well is producing oil at an undisclosed rate from perforations made in liner from about 5359 to 9331 ft (measured depth). Vertical pay depth is between 4760 to 4847 ft. in the Mississippian Limestone. The lateral runs in a southerly direction that ended in the SW/4 of section 13. The new Gudeman Southeast pool opener lies nearly 1.25 miles southeast of SandRidge Exploration and Production's #1-11H William in the NW/4 of section 11, which has produced over 14,300 barrels of oil and 102,179 Mcf of natural gas in its first four months on production according to KDOR records. The well is part of the Gudeman field. Shell's new discovery is located 5 miles south and 1.25 miles east of Hazelton, Kansas, near the Oklahoma border.

Independent oil producer **Robert F. Hembree**, Ness City (KS), has completed the #7 Parker in **Ness** County for 125 barrels of oil per day, no water. The well was drilled to a total depth of 4273 ft by Pickrell Drilling tools in approximately SE SW NE in section 25- T18s- R24W, one-half mile west of the town of Ness City, Kansas. Thirty-eight degree gravity crude is being produced from the Mississippian formation from 4269 to 4273 ft. Production commenced on May 1, 2012.

Wichita-based **Ritchie Exploration, Inc.** has discovered Lansing-Kansas City and Marmaton (Altamont and Pawnee) oil deposits at a remote wildcat site in **Wichita** County, northwest Kansas. The #1 Earl Smith, located in approximately NW SE SE of section 36- T17s- R35W, found the new reserves 1.5 miles southwest of newly established production in the Beaver Cliff (Marmaton) oil field that is located across the county line in **Scott** County. The Beaver Cliff field was discovered by Eagle Creek Corp. last year. Ritchie's new oil strike is producing an undisclosed amount of crude 4.25 miles northeast of the town of Marienthal, Kansas. Total depth was obtained at 5035 ft. The new field has not been named to date.

(continued)

**Chieftain Oil Company, Inc.**, Kiowa (KS), has reported the completion of a Mississippian oil discovery about one mile southwest of the city of Kiowa, Kansas in **Barber** County. The firm's #1 Millie 'A' is producing an unknown amount of oil at site located in approximately SE SE NW of section 15- T35s- R11W. Fossil Drilling tools bottomed the wildcat well at a total depth is 5573 ft. New discovery was made 1.5 miles southwest of the Kiowa Townsite field which Chieftain discovered in October last year in the SE/4 of section 3. The field has given up three Mississippian producers, ranging from 5 to 6 barrels of oil plus 60 MCF gas daily, from depth around 4700 to 4800 ft. Chieftain's new field has been named Kiowa Townsite Southwest.

**Unit Petroleum Company**, Tulsa (OK), has successfully completed their first horizontal discovery well in **Reno** County. The #1-21H Overall was drilled at surface location in approximately the SW SE SE SE of section 21- T25s- R10W with horizontal lateral extending in a northerly direction in the NE NE NE of the same section. Union Drilling tools drilled the well to a TMD of 8115 ft and TVD of 3962 ft at lateral end. Production liner was perforated selectively between 4638 to 8115 ft and vertical pay zone was between 3928 to 3962 ft. Completion details are being held confidential. The new discovery is situated 2.25 miles northwest of the Turon Northeast (Mississippian) oil field, or 5 miles west of Langdon, Kansas. The field has been named the Overall pool.

**SandRidge Exploration & Production LLC**, Oklahoma City (OK), has completed a horizontal well wildcat discovery in southern Kansas. In **Harper** County, the #1-14H Hopkins is producing an unknown amount of crude at site located in the SE/4 of section 14- T35s- R7W, about 7.5 miles east of Waldron, Kansas. The Mississippian oil well is producing from perforated liner running in a northerly direction into section 11 from 5360 to 12589 ft (measured depth). The Mississippian formation produces from around 4600 to 4800 ft in depth in the area. The well establishes the new Okan East field nearly 3 miles east of known Mississippian oil production in the newly established Okan field - another new pool discovered by SandRidge utilizing horizontal drilling techniques.

Elswhere in **Comanche** County, SandRidge's #1-2H Amelia Grace has been put on pump in the C N/2 N/2 NW NW of section 2- T31s- R20W, or about 7 miles north and 7 miles west of Coldwater, Kansas. The well extends the Wiggins Creek West to the west. Oil is being produced from the Mississippian Limestone through perforated horizontal lateral that extends in a southerly direction from 5612 to 9560 ft (measured depth) within section 2. Completion details are being held confidential.

**OXY USA**, Houston (TX), has discovered new oil reserves in **Morton** County at the #3 Stanford 'A' well, located in approximately NW NE SW in section 26- T34s- R41W. The wildcat well establishes the Wilburton Northeast oil field nearly one mile northeast of the multipay Wilburton field, or one mile southeast of the city of Wilburton, Kansas. Production zone has not been disclosed though the Mississippian Spergen was indicated on the drilling permit as the target zone. Oxy USA (formerly Cities Service Oil) opened the Wilburton pool in 1959. The field produces oil and gas from primarily the Morrow Sands, but has also found the Shawnee formation to produce from a very few wells in the field.

**Deutsch Oil Company**, Wichita (KS), has discovered new Cherokee Sand oil reserves nearly one mile west of established Mississippian oil production in the Lappin West and Lappin Southwest oil fields in central **Hodgeman** County. The #1-31 Stallings, located in approximately SW NE SW in section 31- T23s- R23W, has discovered Cherokee pay nearly 2 miles southeast of closest Cherokee production found in the Don field. The wildcat well is on pump making 20 barrels of oil and 15 barrels of water per day from perforations shot between 4734 to 4738 ft. Production was natural. Maverick Drilling tools bottomed the wildcat well at a total depth of 4870 ft. in January this year. The new field is named Stallings.

**New Gulf Operating LLC**, Tulsa (OK), has successfully completed two wildcat oil discoveries in **Scott** County, west-central Kansas. In the SE NW NW of section 32- T17s- R34W, the #1-32 David is producing an undisclosed amount of oil from the Morrow formation. The 5080 ft deep well found new reserves over one mile northwest of New Gulf's 2011 discovery of the Isbel West (Marmaton) oil field in the SW/4 of section 33. However, closest known Morrow production in the vicinity lies over 10 miles away. Completion results are confidential. Wellsite is located about 3 miles north and 10 miles west of Scott City, Kansas. The new field has been named Beaver Lodge..

About one mile to the north of the Isbel West pool, New Gulf's #1-28 Krug also has been completed as a Marmaton oil producer in approximately NE SE SW of section 28- T17s- R34W. The new Isbel Northwest pool opener was drilled to a total depth of 5110 ft with VAL Energy equipment. No details have been released by operator.

**Samuel Gary Jr & Associates**, Denver (CO), has established a new oil field in **Trego** County with the completion of the #1-32 Armbruster Etal, spotted in the N/2 N/2 S/2 of section 32- T11s- R21W. The wildcat well is producing an undisclosed amount of crude from the Lansing- Kansas City zones 4 miles south and 3 miles east of the town of Ogallah. The oil deposits lie on isolated feature about 3/4-mile west of production in the Zeman field where the LKC, Marmaton and Arbuckle formations have given up crude in the past. Gary's new discovery has been named the Zeman West field.

**Ritchie Exploration, Inc.**, Wichita (KS), has discovered Marmaton oil deposits in eastern **Wichita** County, over 3/4-mile southwest of a recent discovery of similar pay in the Beaver Cliff oil field that lies across the county line in Scott County. The #1 Simons 24-A is producing an unknown amount of oil at site located in approximately SW NW NE in section 24- T17s- R35W. The well was drilled to a total depth of 5000 ft. The unnamed field lies about 5.5 miles south and 4.2 miles east of Marienthal, Kansas.