

JUN 25 2014

Form ACO-1 August 2013

Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4448 Name: Perkins Oil Enterprises Inc. Address 1: P.O. Box 707 Address 2: City: Howard State: KS Zip: 67349 + 0707 Contact Person: Kevin Wardlow Phone: (620) 374-2133 CONTRACTOR: License # Name: Wellsite Geologist: Mark Brecheisen Purchaser: Designate Type of Completion:

- Designate Type of Completion: [X] New Well [] Re-Entry [] Workover [] Oil [] WSW [] SWD [] SIOW [] Gas [] D&A [] ENHR [] SIGW [] OG [] GSW [] Temp. Abd. [] CM (Coal Bed Methane) [] Cathodic [X] Other (Core, Expl., etc.): Not Completed

If Workover/Re-entry: Old Well Info as follows:

Operator: Well Name: Original Comp. Date: Original Total Depth: [] Deepening [] Re-perf. [] Conv. to ENHR [] Conv. to SWD [] Plug Back [] Conv. to GSW [] Conv. to Producer [] Commingled [] Dual Completion [] SWD [] ENHR [] GSW Permit #: Permit #: Permit #: Permit #:

7/14/2010 7/15/2010 0 Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-019-26982-0000 Spot Description: SW SW SW SW Sec. 30 Twp. 33 S. R. 13 [X] East [] West 330 Feet from [] North [X] South Line of Section 5,010 Feet from [X] East [] West Line of Section Footages Calculated from Nearest Outside Section Corner: [] NE [] NW [X] SE [] SW GPS Location: Lat: Long: Datum: [] NAD27 [] NAD83 [] WGS84 County: Chautauqua Lease Name: Perkins Well #: 30-1 Field Name: Producing Formation: NA Elevation: Ground: 952 Kelly Bushing: 954 Total Vertical Depth: 1813 Plug Back Total Depth: Amount of Surface Pipe Set and Cemented at: 43 Feet Multiple Stage Cementing Collar Used? [] Yes [X] No If yes, show depth set: Feet If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls Dewatering method used: Evaporated Location of fluid disposal if hauled offsite: Operator Name: Lease Name: License #: Quarter Sec. Twp. S. R. [] East [] West County: Permit #:

INSTRUCTIONS: The original form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. If confidentiality is requested and approved, side two of this form will be held confidential for a period of 2 years. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Drill Stem Test, Cement Tickets and Geological Well Report must be attached.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature] Title: Production Sup. Date: 6-19-14

KCC Office Use ONLY

- [] Confidentiality Requested Date: [] Confidential Release Date: [] Wireline Log Received [] Geologist Report Received [] UIC Distribution ALT [X] I [] II [] III Approved by: [Signature] Date: 6-25-14

Operator Name: Perkins Oil Enterprises Inc. Lease Name: Perkins Well #: 30-1
 Sec. 30 Twp. 33 S. R. 13 East West County: Chautauqua

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name Weiser</td> <td style="width:20%; text-align: right;">Top</td> <td style="width:20%; text-align: right;">Datum</td> </tr> <tr> <td></td> <td style="text-align: right;">1112</td> <td style="text-align: right;">-180</td> </tr> <tr> <td>Summit</td> <td style="text-align: right;">1347</td> <td style="text-align: right;">-395</td> </tr> <tr> <td>Barlesville Sandstone</td> <td style="text-align: right;">1571</td> <td style="text-align: right;">-619</td> </tr> </table>	Name Weiser	Top	Datum		1112	-180	Summit	1347	-395	Barlesville Sandstone	1571	-619
Name Weiser	Top	Datum											
	1112	-180											
Summit	1347	-395											
Barlesville Sandstone	1571	-619											

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8	0	43			
Production	6 3/4	4.5	10.5	1813			

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf
		Water Bbls.
		Gas-Oil Ratio
		Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other <i>(Specify)</i> <u>Not Completed</u>	PRODUCTION INTERVAL: _____ _____
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Geological Report

Perkins #30-1
330°FSL; 5010°FEL
Section 30, T33S; R13E
Chautauqua Co., KS

Operator: Clark Energy, LLC – 1198 Road 31, Havana, KS 67347

Drilling Contractor: Thornton Drilling

Wellsite Geologist: Mark Brecheisen – On location from 710' to T.D.

Dates Drilled: July 14 – T.D.'D July 15, 2010

Size Hole: 6 ¾"

Total Depth: 1813'

Elevation: 955'(approximated)

Drilling Fluid: Compressed air with injected water

Surface Casing: 43' of 8 5/8" surface casing cemented to surface.

Formation Tops: Formation tops were picked from the mud logging tops.

Status: Gas Well

Gas Shows:	Weiser Sandstone	1112-1115'	12.7 mcf/day
	Summit Shale	1347-1349'	4.3 mcf/day
	Bartlesville Sandstone	1555-1563'	
		1571-1575'	3.7 mcf/day

Oil Shows: Lower Weiser Sandstone @ 1168'- 1186'; oil show 1168'- 1172'. Upon examination of this zone, it is concluded that this show has no commercial viability; however, this could be an indication that commercial production may be close by. A detailed description of the sample examination follows in the report.

Water Encountered: No appreciable water encountered upon drilling.

On Location: 10:00 am - 3:00 pm, July 14, 2010; 7:30 am – 3:30 pm, July 15, 2010.

Notes: Well cuttings were examined at rig and discarded. Some samples of "zones of interest" were saved and examined with a binocular microscope and black light.

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FIELD and LABORATORY SAMPLE EXAMINATION

- 0'-710': Samples not examined.
- 710'-715': Shale, light gray, slightly sandy.
- 715'-716': Coal, trace – pyritic, sample observed mostly dark gray shale.
- 716'-718': Shale, light to medium gray, sandy.
- 718'-731': Sandstone, light gray, very fine grained, very friable, micaceous.
- 731'-735': Sandstone, laminated, limey in part.
- 735'-7371/2': Limestone, light olive gray to brown, fine crystalline, hard, dense, mottled, fossiliferous.
- 7371/2'-745': Sandstone, light gray, very fine grained, slightly laminated, no petroliferous odor/show.
- 745'-816': Shale, medium dark gray, slightly sandy in part, traces of underclay present in few samples.

Top of the Drum Limestone @ 816' (+ 139')

- 816'-829': Limestone, light brown to olive gray, fine crystalline, very hard, dense, fossiliferous, 819'-821' slight show of gas and light oil popping out of few samples, no commercial viability.
- 829'-831': Shale, dark gray
- 831'-832': Hebner Shale, dark gray to black, slightly carbonaceous
- 832'-840': Shale, medium dark gray, trace of coal observed in sample

Gas Check @ 836' – slight blow, not measurable

- 840'-864': Redd Sandstone, light gray, very fine grained, friable, slightly micaceous, slightly micritic, water observer on surface of freshly broken sample surfaces
- 864'-893': Sandstone, light gray, laminated
- 893'-954': Shale, medium dark gray

Gas Check @ 911' – Redd Sandstone Test – slight blow, no increase

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954'-956': Limestone, olive gray to dark brown, fine crystalline, hard, sucrosic, fossiliferous

956'-988': Shale, medium dark gray

988'-991': Shale, dark gray, greasy texture

991'-992 ½': South Mound Shale, black, carbonaceous, pyritic

Canister #41 – South Mound Shale – collection interval 991'-997' – 12:25 P.M.

992 ½'-1017' Shale, medium dark gray to dark gray, scattered lime streaks present

Gas Check @ 1011' – South Mound Test- GCS (gas check same)

Top of the Lenapah Limestone @ 1017' (- 62')

1017'-1026' Limestone, fine crystalline, light tan to brown, slightly sucrosic, hard, interbedded greenish gray shale present, no petroliferous odor or show

1026'-1029' Shale, medium greenish gray, slightly sandy

1029'-1054' Shale, medium gray, sandy in part (Wayside Sandstone section), no petroliferous odor or show

1054'-1070' Shale, medium dark gray with interbedded "red bed" shale present

1070'-1074' Shale, dark gray, soft, greasy , traces of underclay present

Top of the Altamont Limestone @ 1074' (- 119')

1074'-1107' olive gray to tan to dark brown at base, fine crystalline, fairly friable, good intercrystalline porosity, very uniform matrix, fossiliferous from 1098 ½' to 1107', presence of dark gray interbedded shales, no petroliferous odor or show

1107'-1112' Shale, medium dark gray, slightly sandy in part

1112'-1155' Weiser Sandstone, white to medium dark gray, very fine grained, subangular to subrounded grains, fair to good friability, laminated in part, traces of black bitumen on many samples, slight gaseous odor in part, no petroliferous show, no fluorescence

Gas Check @ 1136' – Weiser Sandstone Test – 2# on ¼" choke = 12.7 mcf/day (all Weiser)

1155'-1161' Shale, dark gray

Gas Check @ 1161' – Weiser Sandstone Test – GCS

1261'-1168' Shale, medium gray, slightly sandy in part

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1168'-1186' Lower Weiser Sandstone, 1168'- 1172' excellent petroliferous odor at end of blewy line when sand was first cut, very fine to fine grained with subangular to subrounded grains, light gray in color with traces of black bitumen and light brown oil stain present, glauconitic, very friable, good intergranular porosity, poor to fair uneven oil stain on rock samples, 20% to 25% pinpoint to even variegated yellow hydrocarbon fluorescence, medium fast uneven milky blue cut, faint residual oil show to dimple tray after cut. 1172' - 1186' no oil show present.

1186'-1215' Shale, medium dark gray, greasy to gritty texture

Gas Check @ 1211' - Lower Weiser Sandstone Test - 1 1/2 # on 1/4" choke = slight decrease

Shut down @ 3:00 P.M. 7/14/2010' - pulled up 300' off bottom.

July 15, 2010' - 7:30 A.M.; Cleaned hole - small oil show to pit

Top of the Pawnee Limestone @ 1215' (-260')

1215'-1237' Limestone, pale brown to dark yellowish brown, fine crystalline with good vugular porosity exhibited in most samples, 1221'-1224' slight oil show - good petroliferous odor in sample, 75% variegated fluorescence with approximately 60% being mineral fluorescence, slow uneven milky blue cut, no residual show to tray after cut

1237'-1241' Shale, dark gray

1241'-1243' Lexington Shale, black, slightly carbonaceous

1243'-1246' Shale, medium dark gray, slightly sandy

1246'-1252' Peru Sandstone, light to medium gray, argillaceous, very fine grained, micaceous, no petroliferous odor or show

1252'-1279' Shale, medium dark gray, slightly sandy in part

1279'-1283' Shale, medium gray, sandy

1283'-1313' Shale, medium dark gray

Gas Check @ 1287' - 1# on 1/4" choke = 9 mcf/day (slight decrease)

Top of the Oswego Limestone @ 1313' (-358)

1313'-1343' Limestone, olive gray to dark brown, fine crystalline, mottled, hard, dense, slightly sucrosic, fossiliferous in part, slight petroliferous odor (3' from top) no show

Gas Check @ 1337' - 2 1/2# on 1/4" choke = 14.3 mcf/day (increase from Oswego break)

1343'-1347' Shale, dark gray

1347'-1349' Summit Shale, black, carbonaceous, fairly hard, slightly calcareous

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1349'-1352' Shale, dark gray

1352'-1372' Black Jack Limestone, fine crystalline, dark brown, mottled, hard

Canister #45 – Summit Shale – collected @ 9:10 A.M.

Gas Check @ 1362' - Summit Test 3 ½ # on ¼" choke = 17 mcf/day (2.7 mcf from Summit)

1372'-1375' Shale, dark gray

1375'-1378' Mulky Shale, black, very carbonaceous, very fine grained, slightly calcareous, no coal at base of shale

1378'-1381' Shale, dark gray

Canister #43 – Mulky Shale – Collected @ 9:35 A.M.

1381'-1392' Breezy Hill Limestone, olive gray to brown, hard, slight petroliferous odor in top – no show

Gas Check @ 1387' – Mulky Test – 3 ½# on ¼" choke = 17 mcf/day (no increase)

1392'-1400' Shale, dark gray

1400'-1401' Bevier Coal, finely banded vitrain coal, dull to metallic luster, < 10% flat cleat faces

Canister #49 – Bevier Coal – collected @ 10:00 A.M.

1401'-1416' Shale, dark gray

Gas Check @ 1412' – Bevier Test – 3 ½# on ¼" choke = 17 mcf/day (GCS)

Top of the Verdigris (Ardmore) Limestone @ 1416' (-461)

1416'-1418' Limestone, dark brown, fine crystalline, very hard, dense, no visible porosity

1418'-1419' Shale, dark gray

1419'-1420' Croweburg Shale, black, carbonaceous

1420'-1421' Croweburg Coal

1421'-1463' Shale, light greenish gray to dark gray, sandy in part, few lime streaks present

Gas Check @ 1437' – Croweburg Test – GCS

1463'-1465' Shale, black, carbonaceous

1465'-1505' Shale, medium dark gray, "red bed" from 1480' to 1483

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- 1505'-1506 ½' Tebo Shale, black slightly carbonaceous
- 1506 ½'-1542' Shale, medium dark gray, sandy
- 1542'-1544' Shale, dark gray to black (Weir Section), slightly carbonaceous
- 1544'-1555' Shale, medium dark gray, slightly sandy
- 1555'-1563' Bartlesville Sandstone, fine grained, argillaceous, light greenish gray in color, limey in part, no petroliferous odor or show
- 1563'-1571' Shale, medium dark gray
- 1571'-1575' Bartlesville Sandstone, medium gray, fine grained, fairly hard, slightly laminated, no petroliferous odor or show
- 1575'-1583' Shale, medium dark gray
- 1583'-1597' Shale, dark gray
- 1597'-1598' Coal, trace, (< 6" thick)
- 1598'-1608' Shale, dark gray, pyritic in part
- 1608'-1619' Shale, dark gray
- Gas Check @ 1612' Bartlesville Test 5# on ¼" choke = 20.7 mcf/day (3.7 from Bartlesville)**
- 1619'-1621' Limestone, dark brown, fine crystalline, sucrosic, very hard, no visible porosity, trace of coal at base of limestone
- 1621'-1638' Shale, medium dark to dark gray, limey in part
- 1638'-1663' Shale, medium dark gray, "red bed" present
- 1663'-1738' Shale, dark gray
- Top of Mississippian @ 1738' (-783)
- 1738'-1756' Shale, dark gray with light greenish gray sandy shale, reworked section – not Burgess sand section
- 1756'-1775' Shale, grayish yellow green to medium dark gray; weathered chert ("cotton rock") present, fine crystalline very vugular with traces of black bitumen between in and around vugular openings, slight traces of medium brown oil stain on some samples; Chert, white to bluish white, amorphous, very hard, no porosity, no petroliferous odor or show
- 1775'-1813' Chert, light grayish green to bluish white to white, no petroliferous odor or show

Gas Check @ 1813' – GCS

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