

Operator Name: Ascent Operating, Inc. Lease Name: Beachner Brothers - Nuns Lease Well #: A-5
 Sec. 17 Twp. 29 S. R. 21 East West County: Neosho

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>	<input checked="" 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</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Oswego Lime</td> <td>198'</td> <td>695'</td> </tr> <tr> <td>Cattleman Sand</td> <td>395'</td> <td>498'</td> </tr> </table>	Name	Top	Datum	Oswego Lime	198'	695'	Cattleman Sand	395'	498'
Name	Top	Datum								
Oswego Lime	198'	695'								
Cattleman Sand	395'	498'								

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List All E. Logs Run:
DENSITY-NEUTRON, DUAL INDUCTION, DENISTY, GAMMA

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	9 7/8"	6 5/8"	14.5#	24'	common	6	1% CCL
Production	5 7/8"	2 7/8"	6.5#	485'	common	61	1% CCL

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				

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
4	Perforated 207'-211'	500 gallons 15% HCL	207'-211'

TUBING RECORD:	Size: <u>N/A</u>	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>N/A - no entry</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>Oswego Limestone</u>
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Geological Report

Beachner Brothers, Inc. – Nuns Lease #A-5

825' FNL; 165' FWL

Sec. 17, T29S, R21E

Neosho County, Kansas

4/30/2012

Operator: Ascent Operating, Inc., 345 Miron Dr., Southlake, TX 76092

Drilling Contractor: MS Drilling, Mark Smith, driller

Well-site Geologist: Julie Shaffer – On location from surface to T.D.

Dates Drilled: 4/26/2012

Total Depth: 484.5'

Elevation: 893' (Est.)

Drilling Fluid: Compressed air with injected water

Surface Casing: 23.8' of 8⁵/₈" surface casing cemented to surface

Electric Logs Run: Density/neutron-porosity, dual-induction and temperature logs

Formation Tops: Formation tops were picked from the neutron and density logs

Rock Color Desc.: GSA rock color chart (dry cuttings)

Status: OIL WELL

Gas Shows: Gas shows were recorded by flame testing, multiple zones throughout the well displayed gas shows.

Oil Shows: Pawnee Limestone had a poor (trace) oil show from 117-118'
Peru Sandstone had a trace oil show from 169-172'
Oswego Limestone had a good oil show from 207-211'
Cattleman Sandstone had a trace oil show from 396-401'

Water Encountered: Minor amounts of water were picked up throughout drilling

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

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FIELD and LABORATORY SAMPLE EXAMINATION

- 0-23.8' Samples not examined
- 23.8-90' Shale, medium-gray, silty, micaceous laminations
- 90-102' Shale, medium gray
- 102-106' Mulberry Coal, mostly black shale with thin coal (***small, fast gas show**)

Top of the Pawnee Limestone @ 106' (+787')

- 106-118' Limestone, light brownish-gray with a pinkish tint, very fine grained, smooth texture, chalky, from 117-118' light yellowish-orange free oil blebs, no petroliferous odor, <5% pinpoint and pinhead vugular porosity, pale yellowish-brown oil staining, 90% mottled bright yellowish-white hydrocarbon fluorescence. Samples exhibit a slow, slightly uneven, faint, milky blue oil cut, no residual oil show under white light.
- 118-127' Limestone, dark brown, hard
- 127-128' Shale, grayish-black
- 128-135' Limestone, dark olive-gray/medium brown, fossiliferous
- 135-136' Shale, dark gray
- 136-139' Lexington Shale, black (***small, fast gas show**)
- 139-157' Shale, dark gray
- 157-157.5' Coal
- 157.5-163' Shale, medium-light gray
- 163-172' Peru Sandstone, light gray, 30% mottled pale yellowish-brown oil stain, 10-12% porosity, laminated, 50% medium-light green hydrocarbon fluorescence
- 172-176' Shale, medium gray
- 176-190' Shale, dark gray
- 190-191' Coal and Black Shale (***small, fast gas show**)
- 191-198' Shale, medium gray

Top of the Oswego Limestone @ 198' (+695')

- 198-205' Limestone, medium brownish-gray, fine grained, smooth texture, hard; 205-217' limestone oil show with sample interval descriptions below:

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- 205-207' Limestone, light olive-gray, 10% heavily mottled to uniform pale yellowish-brown oil saturation/stain, very fine grained (almost siltstone), few siliceous chips, friable, 10% of cuttings have up to 10% intergranular and vugular porosity, slight petroliferous odor, 60-70% mottled bright yellowish-white hydrocarbon fluorescence. Samples exhibited a moderate to fast, even, bright milky blue oil cut, no residual oil show to tray when observed under white light.
- 207-209' Limestone, 70% uniform medium-dark yellowish-brown oil saturation/stain, very fine grained (almost siltstone), few siliceous chips, friable, 10% of cuttings have up to 12+% intergranular and vugular porosity, petroliferous odor, 85-100% heavily mottled to uniform bright yellowish-white hydrocarbon fluorescence. Samples exhibited a fairly fast, even, extremely bright yellowish-blue oil cut, good residual oil show to tray when observed under white light.
- 209-209.5' Limestone, 100% uniform dark yellowish-brown oil saturation, very fine grained (almost siltstone), siliceous, friable, 12+% intergranular porosity, petroliferous odor, 100% uniform bright yellow hydrocarbon fluorescence. Samples exhibited a fairly fast, even, heavy, extremely bright yellowish-blue oil cut with excellent residual show to dimple tray when examined under black light, good residual oil show to tray when observed under white light.
- 209.5-211' Limestone, 70% uniform medium-dark yellowish-brown oil saturation/stain, very fine grained (almost siltstone), few siliceous chips, friable, 10% of cuttings have up to 12+% intergranular and vugular porosity, petroliferous odor, 85-100% heavily mottled to uniform bright yellowish-white hydrocarbon fluorescence. Samples exhibited a fairly fast, even, extremely bright yellowish-blue oil cut, good residual oil show to tray when observed under white light.
- 211-219' Limestone, light olive-gray, 10% heavily mottled to uniform pale yellowish-brown oil saturation/stain, fine grained, locally medium crystalline, few silty, siliceous chips, friable, 10% of cuttings display a 6-10% intergranular and vugular porosity, slight petroliferous odor, 50% mottled bright yellowish-white hydrocarbon fluorescence. Samples exhibited a moderate to fast, even, bright milky blue oil cut, no residual oil show to tray when observed under white light.
- 219-221.5' Shale, medium gray
- 221.5-224.75' Summit Shale, black (*no gas show)
- 224.75-226' Shale, dark grayish-black
- 226-234' Limestone
- 234-238' Mulky Shale, black
- 238-239' Mulky Coal (*moderately-large, fast gas show)
- 239-242' Shale, light gray, mucky
- 242-251' Shale, medium gray
- 251-263' Squirrel Sandstone, medium-dark gray, micaceous, broken, shaley, no petroliferous odor/show

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- 263-291' Shale, medium-dark gray
- 291-316.5' Shale, dark gray
- 316.5-320' Bevier Shale, grayish-black
- 320-321.5' Bevier Coal (***moderately-large, medium-fast gas show**)
- 321.5-334' Shale, medium gray

Top of the Verdigris Limestone @ 334' (+559')

- 334-335.5' Limestone, dark brownish-gray, very hard, medium-fine grained, rough texture
- 335.5-337' Shale, dark gray
- 337-340' Croweburg Shale, black
- 340-343' Shale, medium-dark gray
- 343-344' Croweburg Coal
- 344-367.5' Shale, medium gray
- 367.5-370' Fleming Coal (***large, medium to medium-fast gas show**)
- 370-372' Shale, medium gray
- 372-395' Shale, medium-light gray, silty
- 395-396' Mineral Coal (***large, medium to medium-fast gas show**)
- 396-405' Cattleman Sandstone, light gray, dark gray shale laminations, micaceous, overall 12-14% porosity, few chips as high as 16-18% porosity, pale yellowish-brown oil staining, faint petroliferous odor, 50% medium bright green hydrocarbon fluorescence
- 405-421' Shale, medium gray
- 421-427' Shale, black
- 427-428.5' Scammon Coal (***large, medium to medium-fast gas show**)
- 428.5-441.5' Shale, light gray, mucky
- 441.5-442' Coal
- 442-451' Shale, medium gray
- 451-451.5' Coal
- 451.5-463' Shale, medium gray

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463-463.5' Coal (*large, medium to medium-fast gas show)
463.5-465' Shale, medium-light gray
465-470' Shale, black
470-471' Shale, medium-light gray, lime streak
471-475' Bartlesville Sandstone, light gray, silty, no petroliferous odor/show
475-481' Shale, light gray, silty
481-484.5' Shale, medium gray

T.D. @ 484.5'

Julie Shaffer
Geologist

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