KOLAR Document ID: 1722265

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34905
Name: Fastrak Energy, LLC
Address 1: 543A 22000 RD
Address 2:
City: CHERRYVALE State: KS Zip: 67335 + 8515
Contact Person: Kris Kowalsky
Phone: (620) 562-7164
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: Mark Brecheisen
Purchaser: Coffeyville

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☑ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

06/06/2023 Spud Date or Recompletion Date
06/08/2023 Date Reached TD
7/24/2023 Completion Date or Recompletion Date

API No.: 15-099-24725-00-00
Spot Description:
__ - SW - SW - SW Sec. 4 Twp. 34 S. R. 19 ☑ East ☐ West
364 Feet from ☐ North / ☑ South Line of Section
4739 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Labette
Lease Name: COMPTON SOUTH Well #: 1A
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 913 Kelly Bushing: 913
Total Vertical Depth: 886 Plug Back Total Depth: 883
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 886 w/ 120 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 5 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 #:

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.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** David Befort **Date:** 10/18/2023

Operator Name: Fastrak Energy, LLC Lease Name: COMPTON SOUTH Well #: 1A

Sec. 4 Twp. 34 S. R. 19 ☑ East ☐ West County: Labette

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Neutron
Dual Induction

☑ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Oswego	222	+691
Verdigris	401	+512
Mississippian	800	+113

CASING RECORD ☐ New ☑ 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	13	8.625	20	20	Portland	6	NA
Production	6.75	4.5	10.5	883	Class A	120	2% SM,2% GYP, 1% CA, 4# PHENO

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Fastrak Energy, LLC
Well Name	COMPTON SOUTH 1A
Doc ID	1722265

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	13	8.625	20	20	Portland	6	NA
Production	6.75	4.5	10.5	883	Class A	120	2% SM,2% GYP, 1% CA, 4# PHENO

Hurricane Services, Inc
250 N. Water St., Suite #200
Wichita, KS 6720[illegible]

HSI

Customer	[illegible]strack Energy	Lease & Well #	Compton 1A			Date	7/24/2023
Service District	Bartlesville Ok	County & State	LB Ks	Legals S/T/R		Job #	
Job Type	Long String	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No	Ticket #	EP 9750

Equipment #	Driver
946	John
231	Bobby
204	Kevin M
140/130	Terry

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☐ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☐ Overhead Hazards	☐ Muster Point/Medical Locations
☐ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
M015	Light Equipment Mileage	mi	62.00			$124.00
M010	Heavy Equipment Mileage	mi	62.00			$248.00
M020	Ton Mileage	tm	389.00			$583.50
C010	Cement Pump Service	ea	1.00			$900.00
C050	Cement Plug Container	job	1.00			$250.00
CP010	Class A Cement	sack	120.00			$2,400.00
CP100	Calcium Chloride	lb	100.00			$75.00
CP125	Pheno Seal	lb	40.00			$70.00
CP095	Bentonite Gel	lb	500.00			$200.00
CP105	Gypsum	lb	250.00			$250.00
CP112	Sodium Metasilicate	lb	250.00			$750.00
FE115	4 1/2" Rubber Plug	ea	1.00			$75.00
AF080	Fresh Water	gal	5,460.00			$141.96
T030	Transport - 130 bbl	hr	4.00			$540.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?				Net:	$6,607.46
	Total Taxable	$ -	Tax Rate:		
Based on this job, how likely is it you would recommend HSI to a colleague? ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			Sale Tax:	$ -
				Total:	$ 6,607.46
	HSI Representative: *John Wade*				

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X_____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 15-2021/01/25
mplv: 401-2023/06/29

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC

Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

Date Started	6-6-23
Date Completed	6-8-23

Operator	A.P.I #	County	State
Fastrak Energy, LLC		Labette	Kansas

Well No.	Lease	Section	Township	Range
1A	Compton South	4	34	19E

Type of Well	Driller	Cement	Surface	TD	Size of Hole
Oil	Billy Thornton	6	21' 8" 8 5/8	883	6 3/4

0-12	DIRT
12-13	LIME
13-22	SHALE
22-34	LMY SHALE
34-37	SAND / WET
37-125	SHALE
125-128	LIME (PAWNEE)
128-132	LMY SHALE
132-152	LIME
152-159	BLK SHALE
	(LEXINGTON)
159-161	LIME
161-190	SHALE
190-196	SAND
196-222	SHALE
222-249	LIME (OSWEGO)
249-254	BLK SHALE(SUMMIT)
254-274	LIME
257	GAS TEST - NO GAS
257	WENT TO WATER
274-278	BLK SHALE (MULKY)
278-280	LIME
280-285	SAND
282	GAS TEST - SLIGHT BLOW
285-364	SHALE
364-366	BLK SH/COAL(BEVIER)
366-396	SHALE
382	GAS TEST - 1#, 1/8
396-398	LIME
398-401	SHALE
401-404	LIME (V-LIME)
404-408	BLK SH (CROWBERG)
408-421	SHALE
421-422	COAL (FLEMING)
422-469	SHALE
432	GAS TEST - SAME
469-470	LIME
471-524	SHALE
524-525	LIME
525-552	SANDY SHALE
552-561	SAND
561-562	COAL
562-587	SHALE
582	GAS TEST - SAME
587-636	SHALE
636-723	SAND/PICKED UP
	SOME WATER
723-740	SHALE
740-741	COAL
741-800	SHALE
800-803	MISS. LIME CHAT
	(MISSISSIPPI)
803-818	GRAY LIME
818-824	CHERTY LIME
824-848	GRAY LIME
848-883	BROWN LIME
883	TD

CEMENT TREATMENT REPORT

Customer:	Fastrack Energy	Well:	Compton 1A	Ticket:	EP 9750
City, State:		County:	LB Ks	Date:	7/24/2023
Field Rep:		S-T-R:		Service:	Long String

Downhole Information	
Hole Size:	6 3/4 in
Hole Depth:	886 ft
Casing Size:	4 1/2 in
Casing Depth:	883 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	14.0 bbls

Calculated Slurry - Lead	
Blend:	
Weight:	0.9 ppg
Water / Sx:	8.1 gal / sx
Yield:	1.59 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	33.9 bbls
Total Sacks:	120 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
			-	-	Class a 2% SM, 2% GYP, 1% cal,.4# pheno
				-	
9:40 AM				-	On Location
				-	
10:00 AM				-	JSA and rig up
				-	
	3.5	300.0		-	Ran water and 500# gel sweep
				-	Waite on water
	3.0	300.0		-	Ran cement
				-	
				-	Wash pump and lines
	3.0	400.0	14.0		Displace Set plug and it held
					Circulated 14bbl cement to pit
11:20 AM					Wash up and rig down

CREW		UNIT
Cementer:	John	946
Pump Operator:	Bobby	231
Bulk #1:	Kevin M	204
Bulk #2:	Terry	140/130

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.2 bpm	333 psi	14 bbls

ftv: 15-2021/01/25
mplv: 401-2023/06/29

Geological Report

Compton South #1A

E/2-SW-SW-SW, Sec. 4; T34S; R19E

330'FSL & 512'FWL

Labette County, KS

API# 15-099-24725-00-00

Operator: Fastrak Energy, LLC, Kris Kowalsky, 543A 22000 Rd., Cherryvale, KS 67335

Drilling Contractor: Thornton Air Rotary, LLC, Billy Thornton, Driller, Shramm air rotary rig

Wellsite Geologist: Mark Brecheisen - on location from 21' to T. D.

Date Drilled: June 7-8, 2023

Size of Hole: 6 3/4"

Total Depth: 883'

Elevation: 913' (estimated)

Drilling Fluid: Compressed air with injected water

Surface Casing: 21' of 8 5/8" casing cemented with 6 sacks of cement to surface

Formation Tops: Formation tops correlated to electric log

Electric Logs Run: Litho Density Neutron Log, Dual Induction LL3/GR Log

Status: Dry Hole

Gas Shows:	Bevier Coal	382'	1# on 1/8" choke, 2.76mcf
Oil Shows:	Bartlesville Sandstone	556-561'	See Report
	Mississippian	800-837'	Scattered light shows See Report

Water Encountered: Summit Shale - initiated water injection at 257'

On Location: June 7, 2023, 7:12 A.M. Drilling Depth of 21';left at 1:30 P.M. @ 496' Due to broken hydraulic hose.
June 8, 2023, 7:14 A.M.Drilling Depth of 496'; left at 10:30 A.M. @TD 883'

Notes: Well cuttings were examined at rig and discarded. Samples of zones of interest were saved and examined with binocular microscope and UV light.

0-222' Samples not examined.

Top of Oswego Limestone at 222' (+691')

222-248' Limestone, olive gray to pinkish brown, fine grained, slight petroliferous odor

248-252' Summit shale, dark gray to grayish black, fissile, blocky, picked up slight amount of water

252-272' Limestone, olive gray to medium brown, fine grained, traces of intergranular porosity present, trace dark gray shale present

Gas Test @ 257' Summit Shale, no measurable gas flow detected

Water injections started at 257'.

272-276' Mulky shale, grayish black to black, no coal observed in sample

276-278' Limestone, olive gray to dark brown, fine grained, sucrosic

278-284' Squirrel sandstone, light gray to light brown, very fine grained, good friability, no petroliferous odor or show

Gas Test @ 282' Mulky Shale, slight blow - no measurable quantity

284-309' Shale, medium dark gray, silty/sandy, trace interbedded limestone present, trace petroliferous odor with pinpoint free oil show to few sample surfaces, depth of show: 304-306'

309-368' Shale, medium dark to dark gray, occasional disseminated pyrite and limestone present

368-369' Bevier coal, black, metallic luster, 20-30% flat cleat faces

369-401' Shale, dark gray, scattered interbedded limestone present, trace sandstone present 385-390', no petroliferous odor or show

Gas Test @ 382' Bevier Coal. 1# on 1/8" choke (2.76mcf)

Top of Verdigris (Ardmore) Limestone at 401'(+512)

401-404' Limestone, olive gray, mottled in part, fine grained, no visible porosity observed

404-410' Croweburg shale and coal, grayish black to black, 20-25% flat cleat faces present, carbonaceous, disseminated pyrite present on few sample surfaces

410-424' Shale, medium dark to dark gray, trace limestone present

424-426' Fleming coal, black, vitreous luster, banded, blocky with 30-35% flat cleat faces

426-443' Shale, dark gray to grayish black

Gas Test @ 432' Croweburg/Fleming. 1# on 1/8" choke (2.76mcf)

443-490' Shale, medium to medium dark gray, trace interbedded limestone present, traces of silty to sandy laminations present, no petroliferous odor or show

490-496' Shale, medium dark gray, fissile, greasy texture

Drilling ceased at 496' due to broken hydraulic hose. Drilling to resume on following morning after repairs are made. Left location at 1:30 P. M., June 7, 2023.

June 8, 2023, on location at 7:14 A.M @ 496'.

496-520' Shale, medium dark to dark gray, occasional limestone partings present

520-526' Pittsburg Weir shale, dark gray to grayish black, fissile, blocky in part

526-543' Shale, medium dark to dark gray, silty in part

543-556' Shale, medium gray, silty/sandy with few thin sandstone laminations present

556-561' Bartlesville sandstone, brownish black to black, very fine to fine grained, well sorted with angular to sub-angular grains, micaceous in part, clean, poorly cemented grainstone, friability overall good to very good with abundant vugular porosity on many sample surfaces, mottled to even dark brown to brownish black oil staining on sample surfaces, saturation overall very good, sample exhibited a strong petroliferous odor, pinpoint to even free oil show to many sample surfaces, slight free oil show to pit observed, 50-55% pinpoint to even very dull yellow hydrocarbon fluorescence, sample exhibited a fast, even, strong, milky blue cut, excellent residual oil show to tray after cut

561-632' Shale, medium to dark gray, silty in part, occasional disseminated pyrite present, traces of thinly interbedded medium brown limestone present, no petroliferous odor or show

Gas Test @ 582' Bartlesville. 1# on 1/8" choke (2.76mcf), no increase

632-716' Tucker sandstone, light gray, laminated, very fine to fine grained, fair sorting with sub-angular to sub-rounded grains, probable water sand from 664-670', no petroliferous odor or show throughout this section

716-720' Shale, dark gray

720-721' Rowe coal, black, banded, 5-10% flat cleat faces

721-762' Shale, dark gray to grayish black, trace coal present, traces dark brown limestone present

762-763' Upper Riverton coal, black, metallic luster, banded, 15-20% flat cleat faces, carbonaceous

763-784' Shale, dark gray, silty in part

784-789' Riverton coal, black, dull luster, disseminated pyrite present on some sample surfaces, traces dark gray shale present in sample

789-800' Shale, dark gray to grayish black

Top of Mississippian at 800'(+113')

800-802' Dolomitic limestone, medium gray to brownish black, mottled, fairly hard, pyritic in part with nodular and disseminated pyrite on limestone and shale samples, friability overall poor with excellent vugular porosity on many sample surfaces, pinpoint to mottled medium dark brown oil staining on some sample surfaces, saturation overall poor to fair, sample exhibited a good petroliferous, pinpoint free oil show to some sample surfaces, slight free oil show to pit, majority of sample made up of medium gray to black shale (80%), trace coal present in sample, 15-20% pinpoint to mottled variegated yellow hydrocarbon fluorescence, slow bleeding to streaming fair milky blue cut, faint residual oil show to tray after cut

802-804' Limestone (95%), brownish gray, mottled, fine grained, hard, friability overall poor, no petroliferous odor or show to samples; shale (5%), grayish black; less than 3% mottled dull yellow hydrocarbon fluorescence, very slow mostly even poor milky blue cut, no residual oil show to tray after cut

804-808' Limestone, medium gray to brownish gray, fine grained, hard, friability overall poor with fair vugular porosity on few sample surfaces, trace grayish black shale present, pinpoint to slightly mottled dark brown oil staining on some sample surfaces, saturation uneven and poor, sample exhibited a fair petroliferous odor, pinpoint free oil show to some sample surfaces, slight oil sheen to sample cleaning bucket with no free oil show to pit observed, 60% mottled to mostly even variegated yellow hydrocarbon fluorescence, slow mostly even fair milky blue cut, no residual oil show to tray after cut

808-813' Limestone, medium gray to olive gray, mottled in part, fine grained,friability overall poor with good vugular porosity on oil stained samples only, trace grayish black shale present, pinpoint to slightly mottled dark brown oil staining on some samples, saturation overall poor, sample exhibited a good petroliferous odor, pinpoint free oil show to few sample surfaces, trace free oil show to pit, 65% mottled to even medium bright yellow hydrocarbon fluorescence, very slow bleeding very poor milky blue cut, no residual oil show to tray after cut

813-818' Limestone, very light gray to light gray, mottled, fine grained, hard in part, trace black shale present, friability overall poor with fair vugular porosity on some sample surfaces, pinpoint to mottled medium dark to dark brown oil staining on some sample surfaces, saturation overall poor, sample exhibited a fair petroliferous odor, pinpoint to mottled medium dark to dark brown free oil show to some sample surfaces, no free oil show to the pit 70-75% mottled to mostly even variegated yellow hydrocarbon fluorescence, slow streaming to even fair milky blue cut, faint residual oil show to tray after cut

818-823' Limestone, light medium gray to light brownish gray, mottled in part, very fine grained, trace grayish black shale present, friability overall poor with trace vugular porosity on few sample surfaces, only limestone surfaces with vugular porosity contain oil show, pinpoint to slightly mottled medium dark to dark brown oil staining on few sample surfaces, saturation overall poor, sample exhibited very slight petroliferous odor, trace pinpoint free oil show to select sample surfaces, no free oil show to pit, 20-25% mottled variegated yellow hydrocarbon fluorescence, slow streaming fair milky blue cut, faint residual oil show to tray after cut

823-828' Limestone, light medium gray to light brownish gray, mottled in part, very fine grained, trace grayish black shale present, friability overall poor with trace vugular porosity on few sample surfaces, only limestone surfaces with vugular porosity contain oil show, pinpoint to slightly mottled medium dark to dark brown oil staining on few sample surfaces, saturation overall poor, sample exhibited very slight petroliferous odor, trace pinpoint free oil show to select sample surfaces, no free oil show to pit, pinpoint to even variegated yellow hydrocarbon fluorescence, slow streaming fair milky blue cut, faint residual oil show to tray after cut

828-830' Limestone, light medium gray to light brownish gray, mottled in part, very fine grained, trace grayish black shale present, 10-15% light gray to light bluish gray chert present, friability overall poor with trace vugular porosity on few sample surfaces, only limestone surfaces with vugular porosity contain oil show, pinpoint to slightly mottled medium dark to dark brown oil staining on few sample surfaces, saturation overall poor, sample exhibited very slight petroliferous odor, trace pinpoint free oil show to select sample surfaces, no free oil show to pit, 60% pinpoint to mottled medium bright yellow hydrocarbon fluorescence, slow even fair milky blue cut, faint residual oil show to tray

830-833' Limestone (50%), light medium gray to light brownish gray, mottled in part, very fine grained, trace grayish black shale present, friability overall poor with trace vugular porosity on few sample surfaces, only limestone surfaces with vugular porosity contain oil show, dolomite (30%), chert (20%) pinpoint to slightly mottled medium dark to dark brown oil staining on few sample surfaces, saturation overall poor, sample exhibited very slight petroliferous odor, trace pinpoint free oil show to select sample surfaces, no free oil show to pit, 20-25% mottled medium bright yellow hydrocarbon fluorescence, slow streaming to even fair milky blue cut, faint residual oil show to tray after cut

833-835' Dolomite (60%), brownish gray, mottled, conchoidal fracturing on many sample surfaces, friability poor, no oil show to dolomite samples; Limestone (35%), light gray to medium brownish gray, mottled in part, fine grained, friability poor with traces of vugular porosity on few sample surfaces, pinpoint dark brown oil staining on few sample surfaces; chert (5%), very light gray to light bluish gray, amorphous texture, conchoidal fracturing on sample surfaces, no petroliferous odor or show to chert samples; sample overall exhibited no free oil show to pit, 5-7% pinpoint to mottled variegated yellow hydrocarbon fluorescence, very slow mostly even fair milky blue cut, very faint residual oil show to try after cut

835-837' Chert (40%), light gray to light bluish gray; dolomite (40%), light brownish gray, mottled, fine grained, very hard, conchoidal fracturing on many sample surfaces, no petroliferous odor or show; limestone (20%), light gray to light brownish gray, mottled in part, friability overall poor with trace vugular porosity to very few sample surfaces, trace pinpoint dark brown oil staining on few sample surfaces, saturation overall very poor, sample exhibited no petroliferous odor, no observed free oil show to sample surfaces, no free oil show to pit; shale (trace), black; sample overall exhibited less than 3% pinpoint to laminar bright yellow hydrocarbon fluorescence, very slow streaming fair milky blue cut, very faint residual oil show to tray after cut

837-847' Limestone (70%), brownish gray, mottled in part, fine grained, hard, pyritic in part, friability overall very poor with traces of vugular porosity on very few sample surfaces, trace pinpoint dark brown oil staining on very few sample surfaces, no petroliferous odor, no free oil show to sample surfaces, no free oil show to pit; dolomite (25%), light brownish gray, mottled in part, fine grained, sucrosic to amorphous texture, no visible primary or secondary porosity observed, no petroliferous odor or show to dolomite samples; chert (5%), very light gray to light bluish gray, no petroliferous odor or show; shale (trace), black; less than 2% even dull yellow mineral fluorescence, no cut observed

847-883' Limestone, light brownish gray to brownish gray, very fine grained, hard, sucrosic texture, no visible porosity observed, no petroliferous odor or show, 3-5% even dull yellow mineral fluorescence, no oil cut observed

TD 883'

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Petroleum Geologist

Recommendation:

Compton South 1A had two oil shows which came from the Bartlesville Sandstone (556-561') and scattered footages with oil shows within the Mississippian Limestone. The Bartlesville Sandstone is only 5' thick with approximately 3' carrying any oil. Upon examination of these sandstone samples, it was apparent the oil in these samples was heavy oil. I would not recommend trying to produce heavy oil. The various footages within the Mississippian exhibited very slight oil shows; but, nothing I would consider near saturated enough to warrant trying to produce these individual sections. Therefore, my recommendation is to plug this well.