

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

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				

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: <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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3283

Date	11-8-22	Sec.	24	Twp.	1	Range	26	County	DECATUR	State	KS	On Location		Finish	3:00PM
Location NORTON 13W 9N 13W 4S															

Lease	MARLENE	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	DISCOVERY				
Type Job	SURFACE				
Hole Size	12 1/4	T.D.	266	Charge To	JASON OIL
Csg.	8 3/4	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	15	Shoe Joint		Cement Amount Ordered	185 1/2 89203-2
Meas Line		Displace	15.9		

EQUIPMENT				Common	148
Pumptrk	17	No.	Cement Helper	Poz. Mix	37
Bulktrk		No.	Driver	Gel.	3
Bulktrk	1	No.	Driver	Calcium	7
			Driver		

JOB SERVICES & REMARKS				Hulls	
Remarks:				Salt	
Rat Hole				Flowseal	
Mouse Hole				Kol-Seal	
Centralizers				Mud CLR 48	
Baskets				CFL-117 or CD110 CAF 38	
D/V or Port Collar				Sand	
Set 265				Handling	195
Cent w/ 185 1/2				Mileage	
pump plug w/ 15.9 bbls					
Cent DID CIRC.					

FLOAT EQUIPMENT					
				Guide Shoe	
				Centralizer	
				Baskets	
				AFU Inserts	
				Float Shoe	
				Latch Down	
				Pumptrk Charge	
				Mileage	82

				Tax	
				Discount	
				Total Charge	
X Signature <i>Ray Jacobs</i>				Thanks	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3287

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-13-22	24	1	26	Decatur	Ks		4:30am
Lease MARLENE				Well No. 1	Owner		
Contractor Discovery 4				To Quality Oilwell Cementing, Inc.			
Type Job Long string				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 7 7/8		T.D. 3660		Charge To JASON OIL			
Csg. 5 1/2		Depth		Street			
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 43.00		Shoe Joint 43.00		Cement Amount Ordered 170 Com 10% Salt 5% G.I			
Meas Line		Displace 86.14		425.00 Qm DC 1/4 Fl. 500 gal Flush			
EQUIPMENT				Common 170			
Pumptrk 17	No.	Cementer	Bill	Poz. Mix 425 80% Qm DC			
		Helper	DAVID	Gel.			
Bulktrk 20	No.	Driver		Calcium			
Bulktrk 19	No.	Driver	ROSS				
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt 15			
Rat Hole 30				Flowseal 100 #			
Mouse Hole 15				Kol-Sea 850 #			
Centralizers				Mud CLR 48 500 gal			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
pipe net e 3662.40				Handling 619			
Shoe Jt 43.00				Mileage			
Insert 3619.41				FLOAT EQUIPMENT			
pump 500 gal Flush				Guide Shoe			
Cemt w/ 170% Com Flw 380.00				Centralizer 4			
Qm DC				Baskets 5			
pump plug w bbls				AFU Inserts			
Land plug e				Float Shoe 1			
Float did hold				Latch Down 1			
Cemt did. CIRC							
				Pumptrk Charge Prod String			
				Mileage 82			
				Tax			
				Discount			
				Total Charge			
Signature Mervyn Pisher				Thanks			

Geological Report

Marlene Unit #1
1800' FNL & 80' FEL
Sec. 26 T1s R26w
Decatur County, Kansas



Jason Oil Company, LLC.

General Data

Well Data: Jason Oil Company, LLC.
Marlene Unit #1
1800' FNL & 80' FEL
Sec. 24 T1s R26w
Decatur County, Kansas
API # 15-039-21288-0000

Drilling Contractor: Discovery Drilling Co., Inc. Rig #4

Geologist: Jason T Alm

Spud Date: November 8, 2022

Completion Date: November 13, 2022

Elevation: 2417' Ground Level
2425' Kelly Bushing

Directions: Oberlin KS, East 14 mi to 2800 Rd. North 9 mi to
BB Ln. East 2 mi to county line. North ¼ mi, west
into location.

Casing: 265' 8 5/8" surface casing
3659' 5 1/2" production casing

Samples: 10' wet and dry, 3000' to RTD

Drilling Time: 2950' to RTD

Electric Logs: Midwest Wireline "Tim Martin"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: One, Diamond Testing, LLC. "Ricky Ray"

Problems: None

Remarks: There was approximately seven feet of fill during
log. LTD was seven feet shallow to the rig.
Sample tops were all very close to log.

Formation Tops

Formation	Jason Oil Company, LLC.
	Marlene Unit #1
	Sec. 24 T1s R26w
	1800' FNL & 80' FEL
Anhydrite	1940' +489
Base	1968' +463
Deer Creek	3135' -714
Oread	3240' -815
Heebner	3258' -833
Toronto	3293' -868
Lansing	3300' -875
BKC	3504' -1079
Arbuckle	3598' -1173
Granite	3740' -1215
RTD	3660' -1235
LTD	3653' -1228

Sample Zone Descriptions

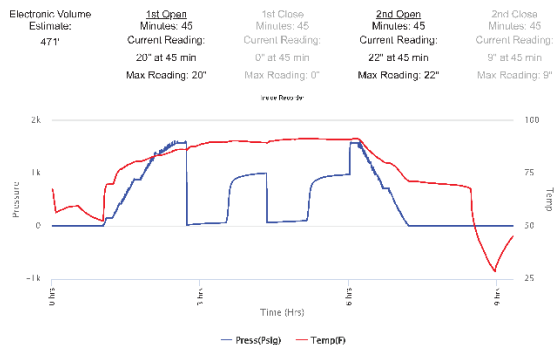
- LKC B Upper (3330' -905): Covered in DST #1**
 Ls – Fine crystalline, oolitic packstone in part with fair scattered moldic porosity, light to good oil stain in porosity, fair spotted saturation, slight show of free oil in sample, good show of free oil on cup, good odor, scattered yellow fluorescents slightly pyritic.
- LKC B Lower (3340' -915): Covered in DST #1**
 Ls – Fine crystalline, oolitic in part, slightly fossiliferous with poor to fair scattered moldic and interfossil porosity, good oil stain with light to fair scattered saturation, fair show of free oil, good odor, scattered yellow fluorescents.
- LKC C (3376' -951): Not Tested**
 Ls – Fine crystalline, oolitic packstone in part with poor to scattered fair oolitic porosity, light to fair oil stain in porosity, few rocks with light spotted saturation, slight show of free oil in sample and on cup, light odor, dull yellow fluorescents.
- Arbuckle (3595' -1173): Not Tested**
 Dolo – Fine rhombic crystalline with fair inter-crystalline and vugular porosity, light to fair oil stain with light to fair scattered saturation, fair show of free oil, good odor, slightly glauconitic.

Drill Stem Tests Diamond Testing, LLC. "Ricky Ray"

DST #1 LKC B zone

Interval (3310' – 3350') Anchor Length 40'

IHP – 1573 #
IFP – 45" – BOB 29 min 11-62 #
ISI – 45" – Dead 1002 #
FFP – 45" – BOB 21 min 65-99 #
FSI – 45" – Built to 1 ¼ in 976 #
FHP – 1573 #
BHT – 92°F



Recovery: 221' GIP
 84' GO
 126' GOCM 30% Oil
 10' GWCM 15% Water

Structural Comparison

	Jason Oil Company, LLC. Marlene Unit #1 Sec. 24 T1s R26w 1800' FNL & 80' FEL		Norman Fitzgerald Sumner #1 Sec. 20 T1s R25w NW NW NW		Oxford Exploration Sumner #24-22 Sec. 26 T1s R26w 330' FNL & 2310' FEL
Formation					
Anhydrite	1940' +489		492	(-3)	508
Base	1968' +463		NA	NA	479
Deer Creek	3135' -714		-711	(-3)	-678
Oread	3240' -815		-814	(-1)	-784
Heebner	3258' -833		-833	FL	-801
Toronto	3293' -868		-867	(-1)	-834
Lansing	3300' -875		-876	(+1)	-843
BKC	3504' -1079		-1078	(-1)	-1050
Arbuckle	3598' -1173		Not Present	NP	-1140
Granite	3740' -1215		-1213	(-2)	Not Reached

Summary

The location for the Marlene Unit #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Lansing-Kansas City B zone. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Marlene Unit #1 well.

Recommended Perforations

Primary:

Arbuckle	3604' – 3610'	Not Tested
LKC B Lower	3343' – 3346'	DST #1
LKC B Upper	3330' – 3334'	DST #1

Secondary:

LKC C	3376' – 3378'	Not Tested
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geologic Report

Drilling Time and Sample Log

Operator Jason Oil Company, LLC.		Elevation KB 2425'	
Lease Marlene Unit	No. 1	DF GL	2417'
API # 15-039-21288-0000		Casing Record Surface 8 5/8" @ 265'	
Field Wildcat		Production 5 1/2" @ 3659'	
Location 1800' FNL & 80' FEL			
Sec. 24	Twp. 1s	Rge. 26w	Electrical Surveys CNL/CDL, DIL MEL, BHCS
County Decatur	State Kansas		
Formation	Sample tops	Log Tops	Datum Struct Comp
Anhydrite	1938'	1940'	+489 +492 -5
Base	1965'	1968'	+463
Deer Creek	3131'	3135'	-714 -711 -3
Oread	3241'	3240'	-815 -814 -1
Heebner	3259'	3258'	-833 -833 FL
Toronto	3292'	3293'	-868 -867 -1
Lansing	3300'	3300'	-875 -876 -1
BKC	3503'	3504'	-1079 -1078 -1
Arbuckle	3595'	3598'	-1173 Not Present
Granite	3638'	3740'	-1215 -1213 -2
Total Depth 3660' 3653' -1228			
Reference Well For Structural Comparison Norman Fitzgerald Sumner #1 NW NW NW Sec. 20 T1s R25w Norton Co. Kansas			

Drilling Contractor	Discovery Drilling Co., Inc. Rig #4		
Commenced	11-8-2022	Completed	11-13-2022
Samples Saved From	3000'	To	RTD
Drilling Time Kept From	2950'	To	RTD
Samples Examined From	3000'	To	RTD
Geological Supervision From	2900'	To	RTD

Displacement 2916'

Mud Type Chemical

Summary and Recommendations

The location for the Marlene #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Lansing-Kansas City B zone. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Marlene #1 well.

Recommended Perforations

Primary:
Arbuckle 3604' - 3610'
LKC B Lower 3343' - 3346'
LKC B Upper 3330' - 3334'

Secondary:
LKC C 3376' - 3378'

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

ROCK TYPES

- Carbon Sh
- shale, red
- Silst
- shale, gm
- shale, gry
- Dol (rim)
- Lmsst fw7>

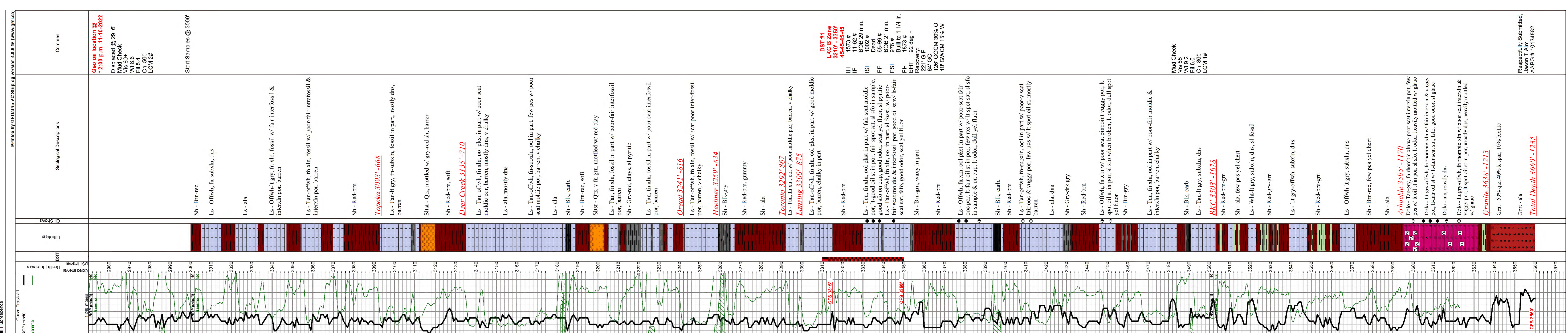
ACCESSORIES

OTHER SYMBOLS

OIL SHOWS

- DST Int
- DST alt
- Core
- Tail pipe
- Spotted Slm 50 - 75 %
- Spotted Slm 25 - 50 %
- Spotted Slm 1 - 25 %
- Questionable Slm
- Dead Oil Slm
- Fluorescence

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Respectfully Submitted,
Jason T Alm
AAPG # 10134562