

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)</i> <i>(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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Form	ACO1 - Well Completion
Operator	Darrah Oil Company, LLC
Well Name	GAUNT 32A-1
Doc ID	1453233

All Electric Logs Run

Dual Comp Porosity
Dual Induction
Micro resistivity
Sonic

Form	ACO1 - Well Completion
Operator	Darrah Oil Company, LLC
Well Name	GAUNT 32A-1
Doc ID	1453233

Tops

Name	Top	Datum
Anhydrite	772	1126
Topeka	2802	-904
Oread	3064	-1166
Heebner	3157	-1259
Douglas	3194	-1296
Lansing	3287	-1389
G zone	3370	-1472
BKC	3506	-1608
Arbuckle	3584	-1686

COPELAND

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

Acid & Cement

V48908

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C46212-IN

BILL TO:
JOHN JAY DARRAH, JR.
PO BOX 2786
WICHITA, KS 67202-2786

LEASE: **GAUNT 32A-1**

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/15/2018	C46212		11/08/2018	GAUNT 32A-1	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
10.00	MI	MILEAGE CEMENT PUMP TRUCK		20.00	4.00	32.00
10.00	MI	MILEAGE PICKUP		20.00	2.00	16.00
1.00	EA	PUMP CHARGE-SURFACE		20.00	1,100.00	880.00
250.00	SK	60/40 POZ MIX 2% GEL		20.00	10.75	2,150.00
14.00	SK	CALCIUM CHLORIDE		20.00	30.00	336.00
80.00	SK	COMMON CEMENT		20.00	12.75	816.00
344.00	EA	BULK CHARGE		20.00	1.25	344.00
151.10	MI	BULK TRUCK - TON MILES		20.00	1.10	132.97
		<p style="font-size: 1.2em; margin: 0;">82300/800</p> <p style="font-size: 1.5em; margin: 0;">CEMENT</p>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		Net Invoice: 4,706.97 BATCO Sales Tax: 247.65 Invoice Total: 4,954.62		
RECEIVED BY _____		NET 30 DAYS				

pd 1-9-19
ck #46677

BC

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.



NEW WELL

FIELD ORDER N° C 46212

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/21/12 20

IS AUTHORIZED BY: Derrek (NAME OF CUSTOMER)
 Address _____ City _____ State _____
 To Treat Well _____
 As Follows: Lease Gaunt Well No. 32A-1 Customer Order No. _____
 Sec. Twp. _____
 Range _____ County Barton State ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
 Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	10	mileage pump truck	4. ⁰⁰	40.00
2	10	mileage pickup	2. ⁰⁰	20.00
2	1	Pump Chrg - surface		1,100.00
2	250	oil/water pac 2% sol.	10. ⁷⁵	2,687.50
2	14	Calcium Chloride	30. ⁰⁰	420.00
2	80	Common	12. ⁷⁵	1,020.00
2	344	Bulk Charge	1. ²⁵	430.00
2		Bulk Truck Miles 15.11 T x 10m = 151.17m x 1. ¹⁰	1. ¹⁰	166.21
		Process License Fee on _____ Gallons	202	5,883.71
TOTAL BILLING				-1176.74

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W. \$4706.97

Station G.D WW Drilling
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

V48910

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
 C46218-IN

BILL TO:

JOHN JAY DARRAH, JR.
 PO BOX 2786
 WICHITA, KS 67202-2786

LEASE: GAUNT 32A-1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/21/2018	C46218		11/14/2018	GAUNT 32 A-1	NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
		NEW WELL				
10.00	MI	MILEAGE CEMENT PUMP TRUCK		20.00	4.00	32.00
10.00	MI	MILEAGE PICKUP		20.00	2.00	16.00
1.00	EA	PUMP CHARGE-LONG STRING		20.00	1,600.00	1,280.00
205.00	SK	60/40 POZ MIX 2% GEL		20.00	10.75	1,763.00
100.00	LB	FRICTION REDUCER C-37		20.00	4.00	320.00
100.00	LB	DEFOAMER C-41P		20.00	3.75	300.00
25.00	LB	FLUID LOSS C-12		20.00	6.00	120.00
1,000.00	LB	FINE SALT		20.00	0.25	200.00
900.00	LB	GILSONITE		20.00	0.75	540.00
1.00	LB	5 1/2" FLOAT SHOW W/AUTO FILL		20.00	355.00	284.00
1.00	LB	5 1/2' LATCH DOWN PLUG/BAFFLE		20.00	175.00	140.00
5.00	LB	TURBO-CENTRALIZER		20.00	85.00	340.00
2.00	LB	5 1/2" BASKET		20.00	155.00	248.00
600.00	GAL	MUD FLUSH		20.00	0.75	360.00
205.00	EA	BULK CHARGE		20.00	1.25	205.00

*Pd 1-9-19
 ck# 46677*

Continued

*82300/800
 CEMENT BC*

Item No.	Description	Quantity	Unit Price	Total
1
2
3
4
5
6
7
8
9
10
11
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Prepared by J.R.H.

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COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
 C46218-IN

BILL TO:
 JOHN JAY DARRAH, JR.
 PO BOX 2786
 WICHITA, KS 67202-2786

LEASE: GAUNT 32A-1

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS		
11/21/2018	C46218		11/14/2018	GAUNT 32 A-1	NET 30		
QUANTITY	U/M	ITEM NO./DESCRIPTION			D/C	PRICE	EXTENSION
1.00	MI	BULK TRUCK - TON MILES-MIN CHG			20.00	150.00	120.00
REMIT TO:		COP			Net Invoice:		6,268.00
P.O. BOX 438 HAYSVILLE, KS 67060		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.			BATCO Sales Tax:		243.23
RECEIVED BY _____		NET 30 DAYS			Invoice Total:		<u>6,511.23</u>

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.



New Well

FIELD ORDER N° C 46218

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 11/14/13 20

IS AUTHORIZED BY: Derrick Oil (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease Grant Well No. 32A-1 Customer Order No. _____

Sec. Twp. Range _____ County Barton State ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____ Agent

Well Owner or Operator

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	10	mikesc pump duct	4. ⁰⁰	40.00
2	10	mikesc pickup	2. ⁰⁰	20.00
2	1	Pump Chase - Long String		1,600.00
2	205	1/40 per. 2% sol.	10. ⁷⁵	2,203.75
2	100 ^{ll}	C-37 - Friction Reducer	4. ⁰⁰	400.00
2	100 ^{ll}	C-41p. - Deformer	3. ⁷⁵	375.00
2	25 ^{ll}	C-12 - Fluid Loss	6. ⁰⁰	150.00
2	1000 ^{ll}	Solt	.25	250.00
2	900 [#]	Gilsonite	.75	675.00
2	1	5 1/2" Flood Shoe w/ auto-fill		355.00
2	1	5 1/2" Latch down plug & baffle		175.00
2	5	Turbo- Controllers	85. ⁰⁰	425.00
2	2	5 1/2" Baskets	155. ⁰⁰	310.00
2	600	Mud-Flush	.75	450.00
2	205	Bulk Charge	1. ²⁵	256.25
		Bulk Truck Miles 10.05 T x 15 m = 150.8 T x 1. ⁰⁰	min.	150.00
		Process License Fee on _____ Gallons		7,835.00
TOTAL BILLING			20 ⁰⁰	-1567.00

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W.

Station G.S.

Will
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS

6268.00



TREATMENT REPORT

Acid Stage No. _____

Date 11/14/2018 District GB F.O. No. C46218
 Company Darrah Oil
 Well Name & No. Gaunt 32A-1
 Location _____ Field _____
 County Barton State KS
 Casing: Size 5.5" Type & Wt. 14# Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: _____ Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks. No. Used: Std. 365 Sp. _____ Twin _____
 Auxiliary Equipment 367/310
 Personnel Nathan-Duane-Tim
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____
 _____ Gals. _____ lb.

Company Representative Will Darrah Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
9:30		5.5"		On Location. Rig layed down drill pipe. Runing logs.
				Hole-3730'
				5.5" 14#-3724' Centralizers-1,3,6,10,12
				Baffle-3682' Baskets-1'4
				Break circulation with mud pump. Circulate for 1 hour.
				Plug Rat Hole with 30sks
				Pump 600gal of Mud flush.
				Mix 175sks 60/40poz 2% gel .75% C37 .75%C41p .25%C12 10% Salt 5#/sk Gilsonite.
				Wash out pump and lines.
				Displace with 89.9bbls at 6.25bpm-750#
				Plug landed at 1000# Pressure up to 1300# Release pressure.
4:30				Float Held.
				Thank You!
				Nathan W.



Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
Test Complete

DATE
November
11
2018

DST #1 **Formation: L/KC "H-J"** **Test Interval: 3395 - 3475'** **Total Depth: 3475'**
Time On: 18:36 11/11 Time Off: 02:34 11/12
Time On Bottom: 21:25 11/11 Time Off Bottom: 23:25 11/11

Electronic Volume Estimate:
3'

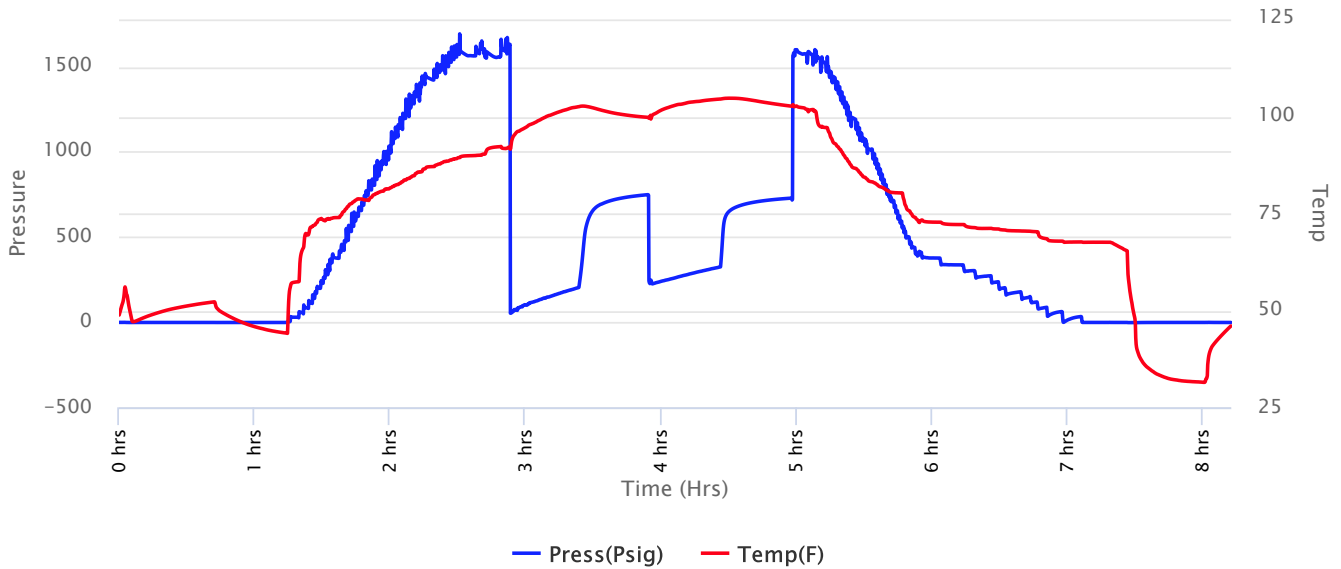
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: .1"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

Inside Recorder





Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
 County: BARTON
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 1892 EGL
 Field Name: Hiss
 Pool: Pool Ext.
 Job Number: 282

Operation:
 Test Complete

DATE
 November
11
 2018

DST #1 **Formation: L/KC "H-J"** **Test Interval: 3395 - 3475'** **Total Depth: 3475'**
 Time On: 18:36 11/11 Time Off: 02:34 11/12
 Time On Bottom: 21:25 11/11 Time Off Bottom: 23:25 11/11

Recovered

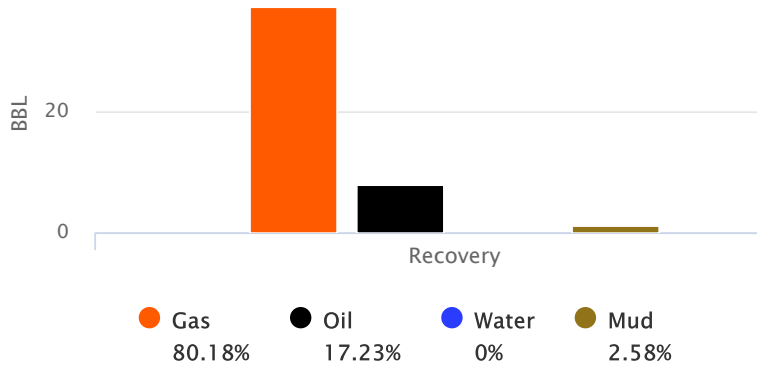
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2519	35.84537	G	100	0	0	0
20	0.2846	SLGCSLOCM	5	10	0	85
63	0.89649	SLGCMCO	15	60	0	25
63	0.89649	GCHMCO	20	48	0	32
63	0.89649	SLMCGCO	22	65	0	13
126	1.79298	SLMCGCO	22	65	0	13
126	1.79298	SLMCSLGCO	10	89	0	1
126	1.79298	SLMCSLGCO	10	89	0	1
186	2.1034484	SLMCSLGCO	10	89	0	1
60	0.2952	SLGCSLMCO	10	75	0	15

Total Recovered: 3352 ft

Total Barrels Recovered: 46.5970284

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1591	PSI
Initial Flow	62 to 199	PSI
Initial Closed in Pressure	744	PSI
Final Flow Pressure	228 to 320	PSI
Final Closed in Pressure	729	PSI
Final Hydrostatic Pressure	1577	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	2.0	%



**Company: Darrah Oil Company,
LLC**

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
Test Complete

DATE
November
11
2018

DST #1	Formation: L/KC "H- J"	Test Interval: 3395 - 3475'	Total Depth: 3475'
	Time On: 18:36 11/11	Time Off: 02:34 11/12	
	Time On Bottom: 21:25 11/11	Time Off Bottom: 23:25 11/11	

BUCKET MEASUREMENT:

1st Open: Weak, surface blow. Died off in 20 mins.

1st Close: No blow back.

2nd Open: No blow. Flushed tool. No blow.

2nd Close: No blow back.

REMARKS:

No mud report present.

After breaking off head joint, noticed gas odor & verified gas present with meter. Head joint & hammer unions were all tight. Ran check on head, elbows, hose & floor manifold & verified good flow present through all equipment. Possible ice puck in drill pipe causing no blow situation or other obstruction in pipe.

Tool Sample: 30% Gas 25% Oil 0% Water 45% Mud

Gravity: 27.3 @ 60 °F



Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
Test Complete

DATE
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11
2018

DST #1 **Formation: L/KC "H-J"** **Test Interval: 3395 - 3475'** **Total Depth: 3475'**
Time On: 18:36 11/11 Time Off: 02:34 11/12
Time On Bottom: 21:25 11/11 Time Off Bottom: 23:25 11/11

Down Hole Makeup

Heads Up: 14.35 FT	Packer 1: 3389.92 FT
Drill Pipe: 3265.75 FT <i>ID-3 1/2</i>	Packer 2: 3394.92 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3381.92 FT
Collars: 118.36 FT <i>ID-2 1/4</i>	Bottom Recorder: 3397 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 80.08	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 12 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 62.58 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



**Company: Darrah Oil Company,
LLC**

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
Test Complete

DATE
November
11
2018

DST #1 **Formation: L/KC "H-
J"** **Test Interval: 3395 -
3475'** **Total Depth: 3475'**

Time On: 18:36 11/11 Time Off: 02:34 11/12
Time On Bottom: 21:25 11/11 Time Off Bottom: 23:25 11/11

Mud Properties

Mud Type: No report **Weight:** **Viscosity:** **Filtrate:** **Chlorides:** ppm



Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
Uploading recovery & pressures

DATE
November
12
2018

DST #2 Formation: LKC "L" Test Interval: 3475 - 3500' Total Depth: 3500'

Time On: 10:29 11/12 Time Off: 16:34 11/12
Time On Bottom: 11:54 11/12 Time Off Bottom: 14:39 11/12

Electronic Volume Estimate:
5'

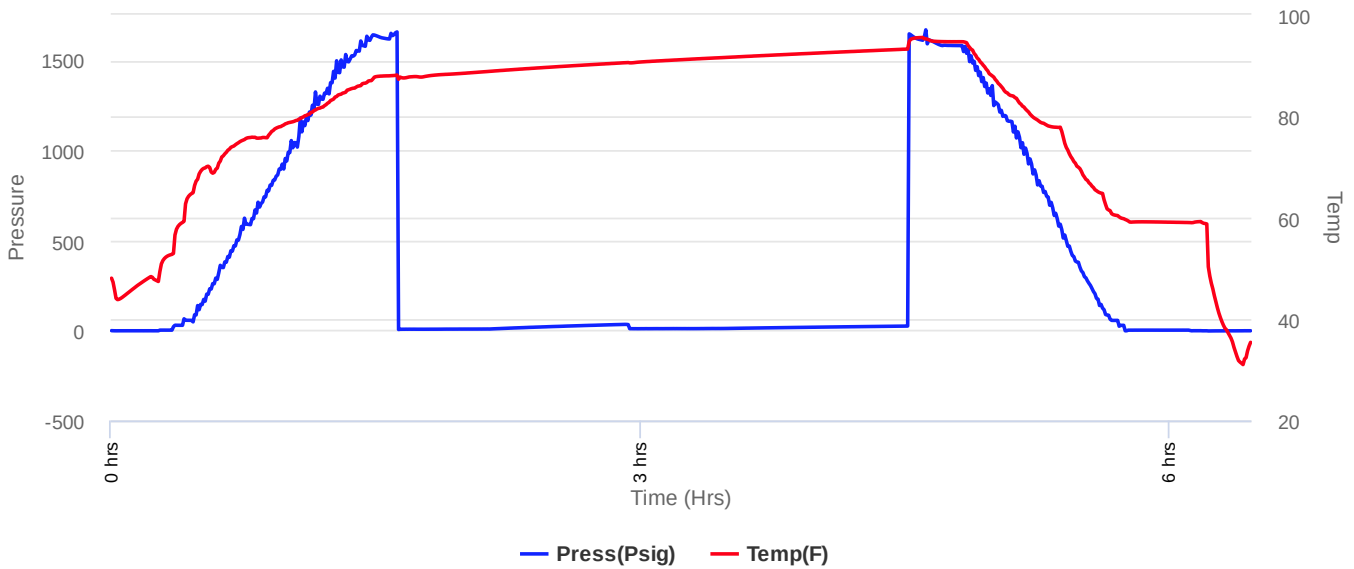
1st Open
Minutes: 30
Current Reading: .1" at 30 min
Max Reading: .1"

1st Close
Minutes: 45
Current Reading: 0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading: .1" at 30 min
Max Reading: .1"

2nd Close
Minutes: 60
Current Reading: 0" at 60 min
Max Reading: 0"

Inside Recorder





Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
 County: BARTON
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 8
 Elevation: 1892 EGL
 Field Name: Hiss
 Pool: Pool Ext.
 Job Number: 282

Operation:
 Uploading recovery & pressures

DATE
 November
12
 2018

DST #2 Formation: LKC "L" Test Interval: 3475 - 3500' Total Depth: 3500'
 Time On: 10:29 11/12 Time Off: 16:34 11/12
 Time On Bottom: 11:54 11/12 Time Off Bottom: 14:39 11/12

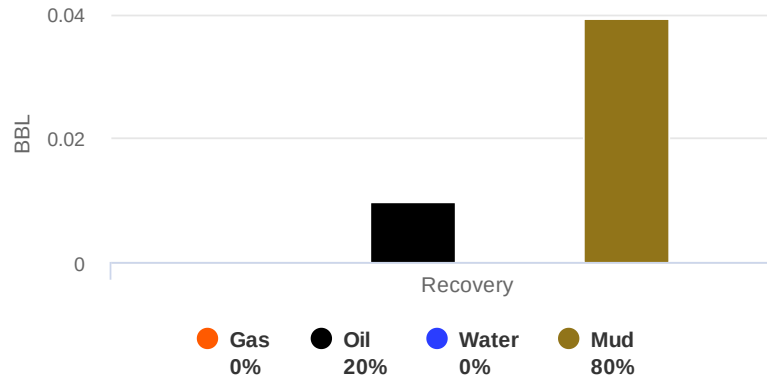
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0492	OCM	0	20	0	80

Total Recovered: 10 ft
 Total Barrels Recovered: 0.0492

**Reversed Out
 NO**

Recovery at a glance



Initial Hydrostatic Pressure	1625	PSI
Initial Flow	6 to 9	PSI
Initial Closed in Pressure	34	PSI
Final Flow Pressure	11 to 11	PSI
Final Closed in Pressure	25	PSI
Final Hydrostatic Pressure	1627	PSI
Temperature	94	°F
Pressure Change Initial Close / Final Close	27.4	%



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12
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DST #2 Formation: LKC "L" Test Interval: 3475 - Total Depth: 3500'
3500'
Time On: 10:29 11/12 Time Off: 16:34 11/12
Time On Bottom: 11:54 11/12 Time Off Bottom: 14:39 11/12

BUCKET MEASUREMENT:

1st Open: Surface blow did not build or die over 30 minutes.
1st Close: No return
2nd Open: Surface blow started at 2 minutes. Did not build or die.
2nd Close: No return

REMARKS:

Tool Sample: 0% Gas 15% Oil 2% Water 83% Mud



Company: Darrah Oil Company, LLC

Lease: Gaunt #32A-1

SEC: 32 TWN: 20S RNG: 13W
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Drilling Contractor: WW Drilling, LLC - Rig 8
Elevation: 1892 EGL
Field Name: Hiss
Pool: Pool Ext.
Job Number: 282

Operation:
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DATE
November
12
2018

DST #2 Formation: LKC "L" Test Interval: 3475 - 3500' Total Depth: 3500'
Time On: 10:29 11/12 Time Off: 16:34 11/12
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Down Hole Makeup

Heads Up: 27.28 FT	Packer 1: 3470 FT
Drill Pipe: 3358.76 FT <i>ID-3 1/2</i>	Packer 2: 3475 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3462 FT
Collars: 118.36 FT <i>ID-2 1/4</i>	Bottom Recorder: 1 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 25	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 24 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 0 FT <i>4 1/2-FH</i>	



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DST #2 Formation: LKC "L" Test Interval: 3475 - Total Depth: 3500'
3500'

Time On: 10:29 11/12

Time Off: 16:34 11/12

Time On Bottom: 11:54 11/12 Time Off Bottom: 14:39 11/12

Mud Properties

Mud Type: Chem

Weight: 8.6

Viscosity: 56

Filtrate:

Chlorides: ppm