

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1150139

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			1		
GSW	Permit #:		Operator Name:		
_ <del>_</del>			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	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
Geologist Report Received
UIC Distribution
ALT I I II Approved by: Date:

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(	CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Swart 21 1
Doc ID	1150139

# All Electric Logs Run

Caliper	
Composite	
Neu-Son-Mic	
Sonic	



O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1 Job Ticket: 53070

DST#: 1

Shreveport LA, 71136

ATTN: Sean Deenihan

Test Start: 2013.05.29 @ 17:40:00

#### **GENERAL INFORMATION:**

Formation: Lansing D Zone

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 21:22:00 Time Test Ended: 01:38:30

Unit No:

Jace McKinney

Tester:

3921.00 ft (KB) To 3956.00 ft (KB) (TVD)

Reference Elevations:

2813.00 ft (KB)

Total Depth: 3956.00 ft (KB) (TVD)

2803.00 ft (CF)

7.88 inches Hole Condition: Fair Hole Diameter:

KB to GR/CF:

10.00 ft

Serial #: 8675 Press@RunDepth: Inside

33.17 psig @

3922.00 ft (KB)

Capacity: 2013.05.30

01:38:30

8000.00 psig

Start Date:

2013.05.29

End Date:

Last Calib.: Time On Btm: 2013.05.30

Start Time:

Interval:

17:40:15

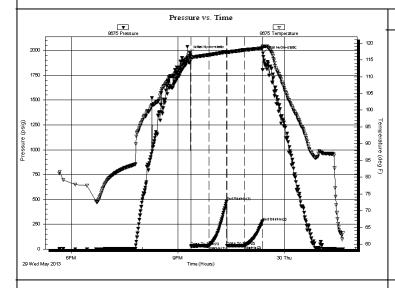
End Time:

Time Off Btm:

2013.05.29 @ 21:20:15 2013.05.29 @ 23:23:45

TEST COMMENT: Built to 1/2" blow

No return blow No blow No return blow



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1973.75	116.17	Initial Hydro-static
2	30.81	114.94	Open To Flow (1)
32	31.75	116.49	Shut-In(1)
63	483.14	117.37	End Shut-In(1)
63	33.19	117.12	Open To Flow (2)
93	33.17	117.99	Shut-In(2)
123	278.30	118.53	End Shut-In(2)
124	1973.01	119.06	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud w ith oil scum	0.42
Ļ	<del> </del>	ļ

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 53070 Printed: 2013.05.30 @ 07:56:25



**FLUID SUMMARY** 

ppm

O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1

Job Ticket: 53070

Serial #:

DST#:1

ATTN: Sean Deenihan

Shreveport LA, 71136

Test Start: 2013.05.29 @ 17:40:00

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight:9.00 lb/galCushion Length:ftViscosity:57.00 sec/qtCushion Volume:bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 800.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl	
30.00	100% Mud with oil scum	0.421	

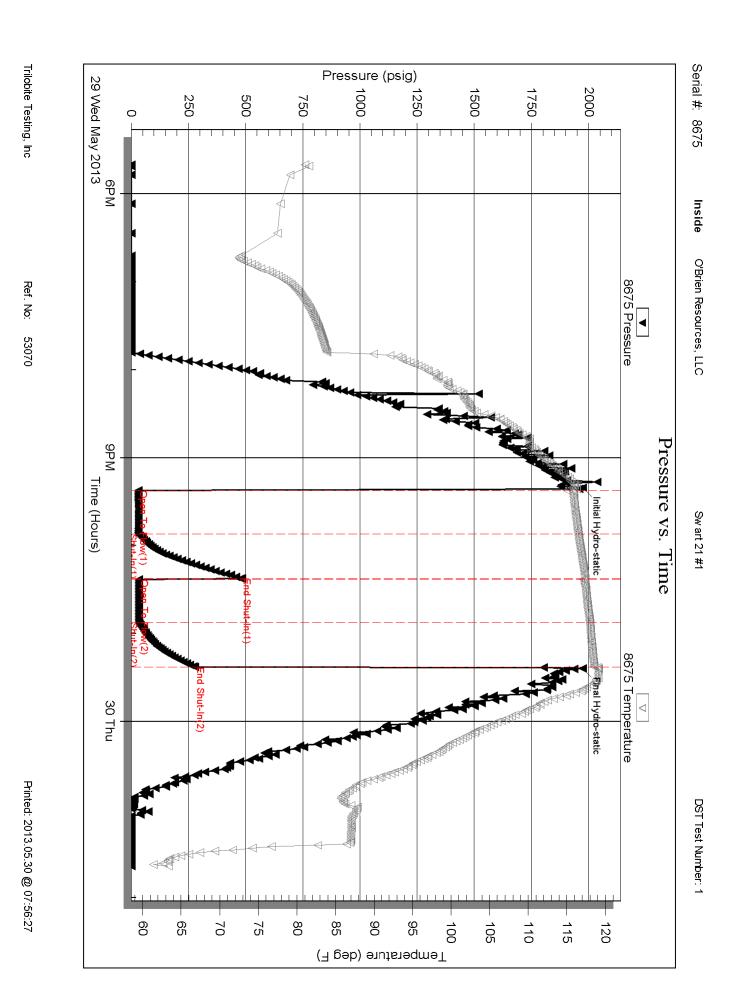
Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 53070 Printed: 2013.05.30 @ 07:56:26





O'Brien Resources, LLC

21-14s-30w Gove Co, KS

Swart 21 #1

Tester:

Unit No:

PO BOX 6149

Shreveport LA, 71136

Job Ticket: 53071 DST#: 2

ATTN: Sean Deenihan

Test Start: 2013.05.30 @ 19:45:00

Jace McKinney

#### GENERAL INFORMATION:

Formation: Kansas City "H-I"

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) ft (KB)

Time Tool Opened: 21:47:30 Time Test Ended: 02:07:00

Interval: 4052.00 ft (KB) To 4122.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4122.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

2813.00 ft (KB)

2803.00 ft (CF)

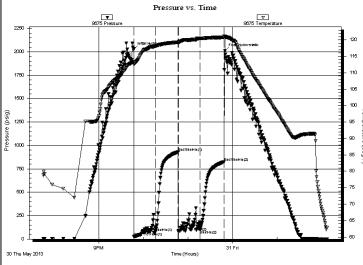
Serial #: 8675 Inside

Press@RunDepth: 4053.00 ft (KB) 97.66 psig @ Capacity: 8000.00 psig

Start Date: 2013.05.30 End Date: 2013.05.31 Last Calib.: 2013.05.31 Start Time: 19:45:15 End Time: 2013.05.30 @ 21:47:00 02:07:00 Time On Btm: Time Off Btm: 2013.05.30 @ 23:50:00

TEST COMMENT: Built to 5 /2" blow

No return blow Built to 2" blow No return blow



FINESSUINE SUMMART						
Annotation	Temp	Pressure	Time	Ī		
	(deg F)	(psig)	(Min.)			
Initial Hydro-static	113.28	2024.78	0			
Open To Flow (1)	112.54	25.33	1			
Shut-In(1)	118.05	75.34	30			
End Shut-In(1)	119.31	930.38	60	=		
Open To Flow (2)	118.97	78.29	61	empe		
Shut-In(2)	120.43	97.66	90	rature		
End Shut-In(2)	120.75	824.38	122	(deg		
Final Hydro-static	120.90	2009.40	123	J		
Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	118.05 119.31 118.97 120.43 120.75	75.34 930.38 78.29 97.66 824.38	30 60 61 90 122	Temperature (deg F)		

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)			
120.00	100% Mud	1.68			
* Recovery from multiple tests					

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 53071 Printed: 2013.05.31 @ 06:11:38



**FLUID SUMMARY** 

O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1

Serial #:

Shreveport LA, 71136

Job Ticket: 53071 **DST#:2** 

ATTN: Sean Deenihan

Test Start: 2013.05.30 @ 19:45:00

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1000.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
120.00	100% Mud	1.683

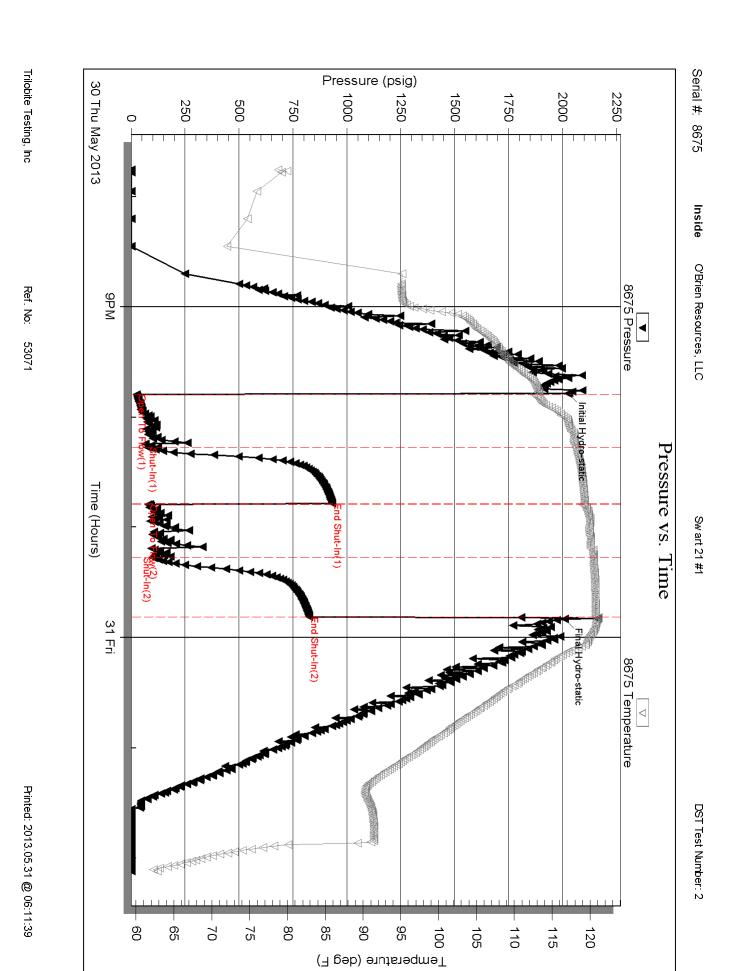
Total Length: 120.00 ft Total Volume: 1.683 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 53071 Printed: 2013.05.31 @ 06:11:39





O'Brien Resources, LLC

ATTN: Sean Deenihan

PO BOX 6149

21-14s-30w Gove Co, KS

Swart 21 #1

Tester:

Unit No:

Shreveport LA, 71136 Job Ticket: 52072

DST#: 3

Test Start: 2013.05.31 @ 11:00:00

#### **GENERAL INFORMATION:**

Kansas City "I J K" Formation:

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) ft (KB)

Time Tool Opened: 13:16:00 Time Test Ended: 17:20:15

Interval: 4090.00 ft (KB) To 4175.00 ft (KB) (TVD) Reference Elevations: 2813.00 ft (KB)

Total Depth: 4175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

2803.00 ft (CF)

Jace McKinney

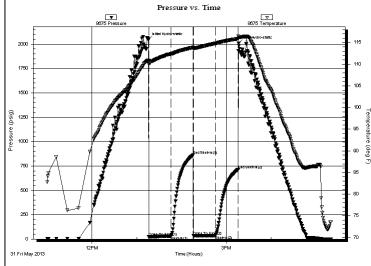
Serial #: 8675 Inside

Press@RunDepth: 4091.00 ft (KB) 36.83 psig @ Capacity: 8000.00 psig

Start Date: 2013.05.31 End Date: 2013.05.31 Last Calib.: 2013.05.31 Start Time: 11:00:15 End Time: 2013.05.31 @ 13:15:30 17:20:15 Time On Btm: Time Off Btm: 2013.05.31 @ 15:16:30

TEST COMMENT: Built to 2" blow

No return blow Weak surface blow No return blow



		PI	RESSUR	RE SUMMARY
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2042.42	110.87	Initial Hydro-static
	1	22.58	109.96	Open To Flow (1)
	31	31.23	112.37	Shut-In(1)
Ţ,	60	860.39	113.85	End Shut-In(1)
anna	61	33.57	113.59	Open To Flow (2)
et ire	90	36.83	114.79	Shut-In(2)
neh)	121	713.95	115.86	End Shut-In(2)
9	121	2008.21	116.19	Final Hydro-static

DDECCLIDE CLIMMADY

#### Recovery

Length (ft)	Description	Volume (bbl)
40.00	100% Mud with oil scum	0.56
* Recovery from mult	tiple tests	

Gas Rat		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Printed: 2013.05.31 @ 23:18:23 Trilobite Testing, Inc. Ref. No: 52072



**FLUID SUMMARY** 

O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1

DST#:3

Shreveport LA, 71136

Job Ticket: 52072

Serial #:

DO1#.3

ATTN: Sean Deenihan

Test Start: 2013.05.31 @ 11:00:00

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 66.00 sec/qt Cushion Volume: bbl

Water Loss: 7.20 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1500.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
40.00	100% Mud with oil scum	0.561

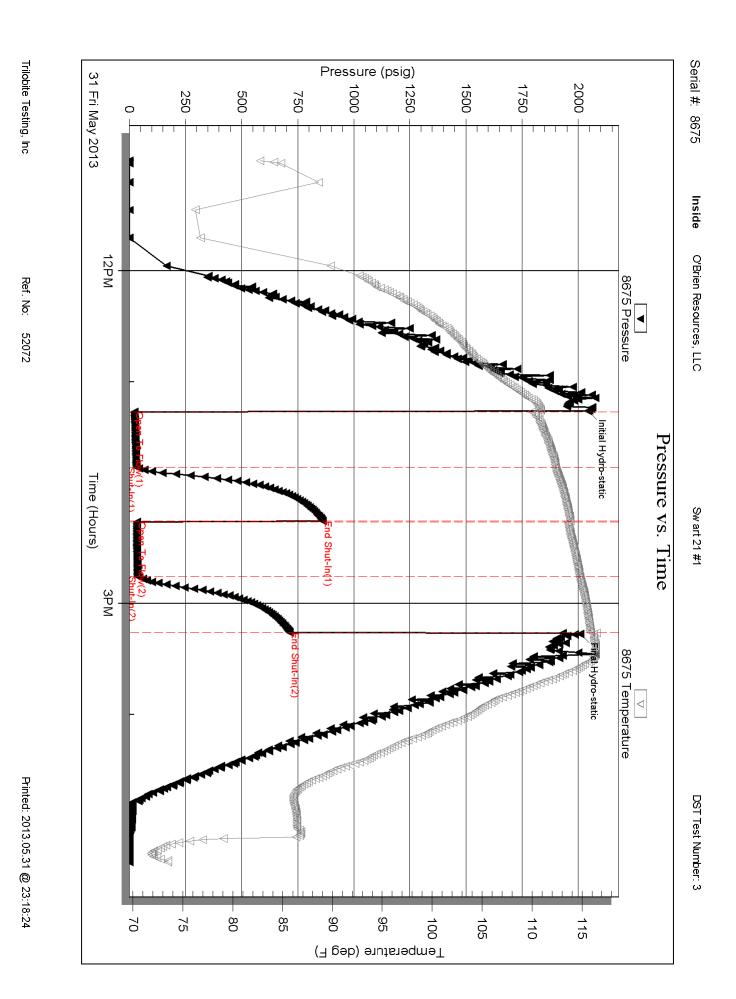
Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 52072 Printed: 2013.05.31 @ 23:18:23





O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Shreveport LA, 71136 Job Ticket: 53073

ATTN: Sean Deenihan

End Date:

End Time:

Swart 21 #1

Reference Elevations:

DST#: 4

2813.00 ft (KB)

2803.00 ft (CF)

8000.00 psig

Test Start: 2013.06.01 @ 16:40:00

Jace McKinney

#### GENERAL INFORMATION:

Formation: Myric Station

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 19:25:45 Time Test Ended: 01:18:15

Unit No:

Total Depth: 4402.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair KB to GR/CF: Hole Diameter:

10.00 ft

Serial #: 8675

Interval:

Start Date:

Start Time:

Inside

Press@RunDepth: 4362.00 ft (KB) 89.53 psig @ 2013.06.01

16:40:15

4361.00 ft (KB) To 4402.00 ft (KB) (TVD)

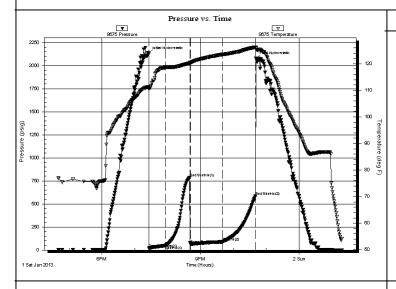
2013.06.02 Last Calib.: 2013.06.02 01:18:15

Capacity:

Tester:

2013.06.01 @ 19:25:30 Time On Btm: 2013.06.01 @ 22:41:30 Time Off Btm:

TEST COMMENT: Built to 4" blow No return blow Built to 5" blow No return blow



# PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2130.13	111.31	Initial Hydro-static
1	20.66	110.57	Open To Flow (1)
31	48.32	118.61	Shut-In(1)
75	784.68	120.16	End Shut-In(1)
77	64.65	120.13	Open To Flow (2)
135	89.53	123.50	Shut-In(2)
195	584.08	126.20	End Shut-In(2)
196	2075.51	125.73	Final Hydro-static
		ı	

#### Recovery

Length (ft)	Description	Volume (bbl)		
10.00	100% Clean Oil	0.14		
130.00	ocm 10%O 90%M	1.82		
* Recovery from multiple tests				

#### Gas Rates

Choke (inches	Pressure (psig)	Gas Rate (Mcf/d)
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Printed: 2013.06.02 @ 06:10:07 Trilobite Testing, Inc. Ref. No: 53073



**FLUID SUMMARY** 

ppm

O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1

Shreveport LA, 71136

Job Ticket: 53073 DST#: 4

ATTN: Sean Deenihan

Test Start: 2013.06.01 @ 16:40:00

#### **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil API: 32 deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss:  $6.40 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

1500.00 ppm Salinity: Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
10.00	100% Clean Oil	0.140
130.00	ocm 10%O 90%M	1.824

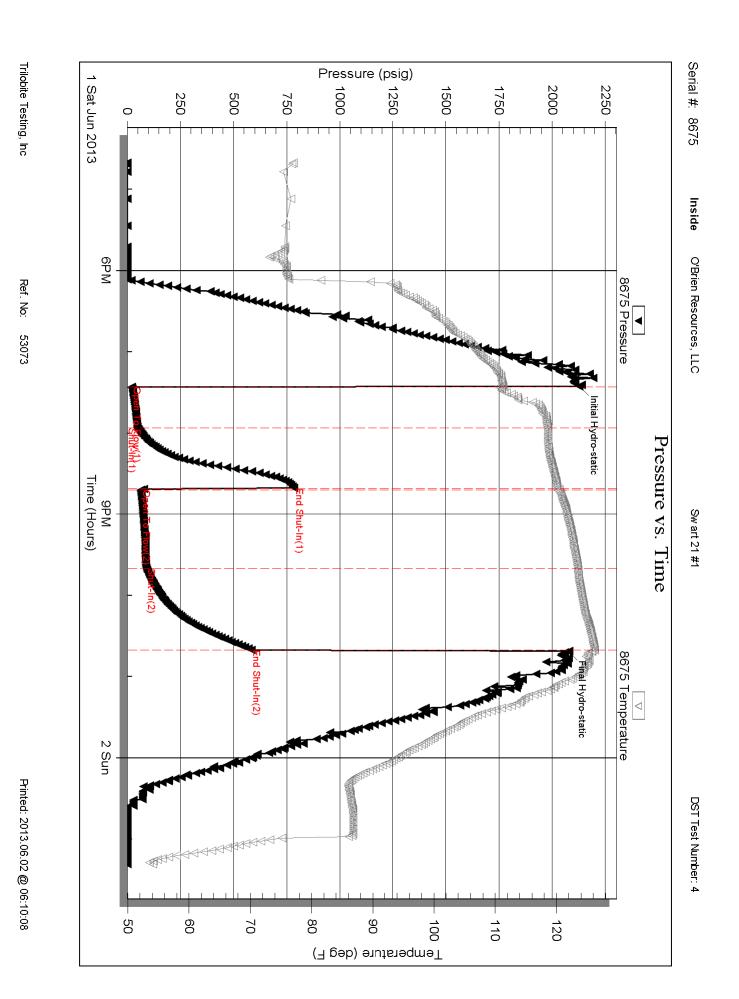
Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0 Num Gas Bombs: Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 33 @ 70 F = 32

Printed: 2013.06.02 @ 06:10:08 Trilobite Testing, Inc Ref. No: 53073





O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Shreveport LA, 71136

ATTN: Sean Deenihan

Swart 21 #1

Job Ticket: 53074 DST#: 5

Test Start: 2013.06.02 @ 15:40:00

#### **GENERAL INFORMATION:**

Formation: **Johnson** 

Deviated: Test Type: Conventional Bottom Hole (Reset) No Whipstock: ft (KB)

Time Tool Opened: 17:54:00 Time Test Ended: 21:22:00

Unit No:

Jace McKinney

Tester:

2813.00 ft (KB)

Reference Elevations:

2803.00 ft (CF)

KB to GR/CF:

10.00 ft

4450.00 ft (KB) To 4507.00 ft (KB) (TVD) Total Depth:

4507.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8675 Press@RunDepth:

Interval:

Start Date:

Start Time:

Inside

21.34 psig @ 2013.06.02

15:40:15

4451.00 ft (KB) End Date:

End Time:

2013.06.02

Capacity: Last Calib.:

8000.00 psig 2013.06.02

21:22:00

Time On Btm:

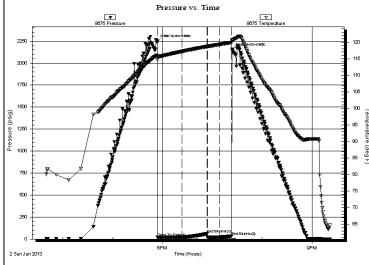
2013.06.02 @ 17:53:30

Time Off Btm:

2013.06.02 @ 19:24:00

TEST COMMENT: Built to 1/4", died to w eak surface blow

No return blow No blow No return blow



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2242.72	115.98	Initial Hydro-static
	1	19.61	114.67	Open To Flow (1)
	31	22.46	117.19	Shut-In(1)
4	60	60.49	118.65	End Shut-In(1)
emne	61	21.91	118.65	Open To Flow (2)
rature	76	21.34	119.31	Shut-In(2)
dea	90	32.67	119.88	End Shut-In(2)
9	91	2148.83	120.50	Final Hydro-static
	ı			

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud with oil scum	0.07
* Recovery from mult	iple tests	

Gas Rat		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 53074 Printed: 2013.06.02 @ 23:44:13



**FLUID SUMMARY** 

O'Brien Resources, LLC

21-14s-30w Gove Co, KS

PO BOX 6149

Swart 21 #1

Job Ticket: 53074

Serial #:

DST#:5

Shreveport LA, 71136 ATTN: Sean Deenihan

Test Start: 2013.06.02 @ 15:40:00

#### **Mud and Cushion Information**

7.20 in<sup>3</sup>

2200.00 ppm

1.00 inches

ohm.m

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: Water Salinity: ppm

9.00 lb/gal ft Viscosity: 50.00 sec/qt Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

#### **Recovery Information**

Water Loss:

Resistivity:

Filter Cake:

Salinity:

#### Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud with oil scum	0.070

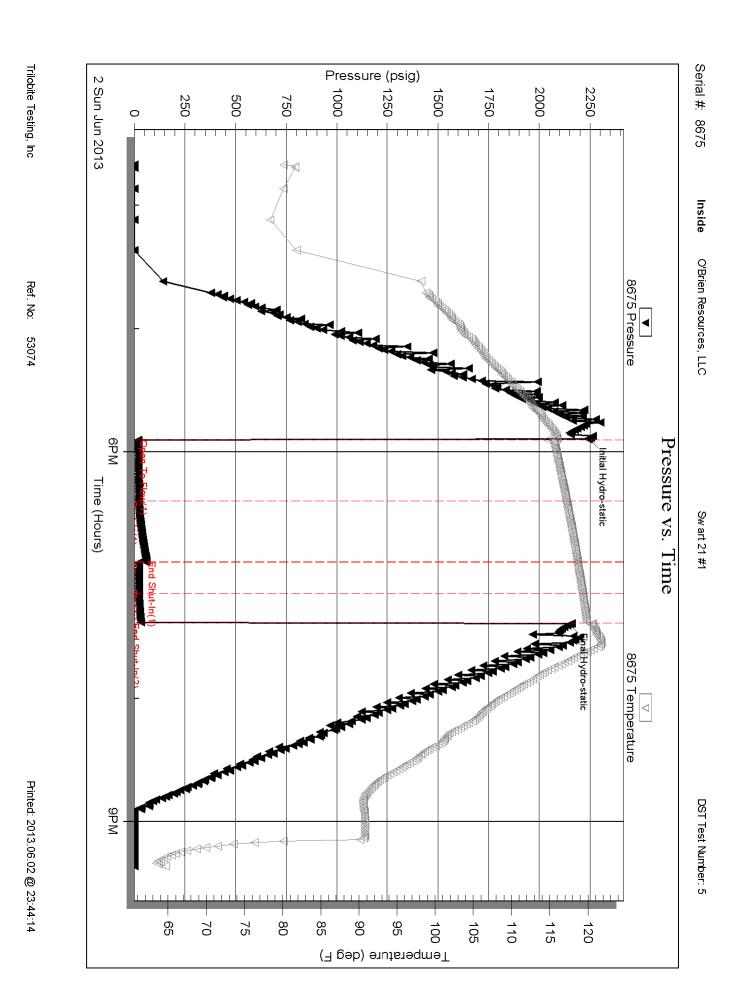
Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Ref. No: 53074 Printed: 2013.06.02 @ 23:44:13 Trilobite Testing, Inc



# AS SERVICES, LLC

Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 Oakley, Ks RANGE 30 DATE 5-25-13 TWP. CALLED OUT ON LOCATION JOB START JOB FINISH COUNTY LOCATION GOVE, 105, 10 W, Sturp STATE OLD OR NEW (Circle one) Movenick 106 CONTRACTOR OWNER Same TYPE OF JOB HOLE SIZE T.D. CEMENT CASING SIZE AMOUNT ORDERED 165 sks com 3% CC DEPTH **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH 1655ks @ 17.90 2953.50 PRES. MAX MINIMUM COMMON. MEAS. LINE SHOE JOINT **POZMIX** CEMENT LEFT IN CSG. GEL PERFS. CHLORIDE DISPLACEMENT 15-8661 ASC EQUIPMENT @ @ CEMENTER Lakene E. Wente @ **PUMPTRUCK** #386/281 @ HELPER Paul Beaver BULK TRUCK # 347 @ DRIVER Chris He @ **BULK TRUCK** @ @ DRIVER HANDLING 178, 42 5 @2 MILEAGE 8-14 Toux REMARKS: TOTAL 4696, 24 x 165 sks come isplace with way SERVICE DEPTH OF JOB 1512,25 PUMP TRUCK CHARGE **EXTRA FOOTAGE** @ 40 @ 7.70 MILEAGE MEHO MANIFOLD 275,00 @ @ 176,00 @ CHARGETO: D'Brien Resources TOTAL 2271.25 STREET\_ CITY\_\_\_\_STATE\_ ZIP PLUG & FLOAT EQUIPMENT @ To: Allied Oil & Gas Services, LLC. @ You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or @ contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or TOTAL \_ contractor. I have read and understand the "GENERAL SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES

PRINTED NAME

DISCOUNT. IF PAID IN 30 DAYS 5,225,99 Net.



259341

TICKET NUMBER 39937

LOCATION ON HOUSE

MAILING ADDRESS  CITY  STATE  JOB TYPE 2 SAGE HOLE S  CASING DEPTH 4612 3 DRILL P  SLURRY WEIGHT 17.7 - 11. SSLURRY	ZIP CODE  ZIP CO	HOLE DEPTH TUBING WATER gal/sk MIX PSI LOS. LOS. LOS. LOS. LOS. LOS. LOS. LOS.	Float 00 3 10'd 1 2004 1 8004 1 8004 1 2 3 4 6 0 5 8 7000 1 2 7000	CEMENT LEFT IN  RATE  OULD'SS. D  SOCAL W  MARAN FINES  LICH 15  Charts 7	CASING 18  CASING 18  CHOR 2  LUCK TOP  LUCK T	2 2270 52 10-44 55 1, 20 bl plug 01-p 01-p 010-0
MAILING ADDRESS  MAILING ADDRESS  MAILING ADDRESS  CITY  STATE  TOB TYPE 2 5 2 2 9 HOLE S  CASING DEPTH 4612 8 DRILL P  SLURRY WEIGHT 19.7-11, SSLURRY  ISPLACEMENT 73.05 DISPLACE  EMARKS: SALEN Madias  EMARKS: SALEN Madias  EN 2, 4,5,6,7,8,9,10,5  RIGHER 37 89LS  PART MH 305 8 8H.  ACCOUNT QUANITY OF UNITS  GUBLE  ACCOUNT QUANITY OF UNITS  GUBLE  100 2 35.71-1  126 25  100 4 1375#  118 3646#  119 9	ZIP CODE  ZIP CO	HOLE DEPTH TUBING WATER Gal/sk MIX PSI LOS. SBAI + KLISTAL BALS MUCE ROOF CI	TRUCK# 463 530 693 Float 00 3 10'd 1 wate 800 1 C 3 he 0 8900	DRIVER  COND  TIME  TOWNS CO  TOWNS CO  TOWNS CO  CASING SIZE & W  CEMENT LEFT IN  RATE  COUNTS ON  SOCAL W  MARANT LUCK  S. PUMP S  CIUTELOS CO  LICT 15	TRUCK#  /EIGHT Y'/; OTHER & U( CASING & 8  LICE TO SE	DRIVER  2 2270 52 10-44 55 10-
COUNT CODE QUANITY OF UNITS CODE QUANITY OF	ZIP CODE  ZIP CODE  ZIE 77/8  IPE  VOL  SEMENT PSI  SE	HOLE DEPTH TUBING WATER Gal/sk MIX PSI LOS. SBAI + KLISTAL BALS MUCE ROOF CI	463 530 693 693 Eloate 3 10'd Luatre 1 800 1 C 3 he 09 8900 1 C 3 he	CASING SIZE & W  CASING SIZE & W  CASING SIZE & W  CEMENT LEFT IN  RATE  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP	TRUCK#  /EIGHT Y'/; OTHER & U( CASING & 8  LICE TO SE	2 2270 3 2270 52 10-42 55 10-42 55 10-42 55 10-42 10-4
OB TYPE 2 STATE  OB TYPE 2 STATE  HOLES  ASING DEPTH HOLES  DISPLACE  LURRY WEIGHT 17.7-11. SSLURRY  ISPLACEMENT 73.05 DISPLACE  EMARKS: SASAM MARKS.  ENT 2. 45.6, 78.9, 10.5  RISE OF MARKE 3788LS  REAL WASTER WAY 2755A  REAL WASTER WASTER REAL  REAL WASTER WASTER WASTER REAL  REAL WASTER W	ZIP CODE  ZIP CODE  ZIE 77/8  IPE  VOL  SEMENT PSI  SE	HOLE DEPTH TUBING WATER gal/sk MIX PSI LOG. SAI HELTER BALS MUCE ROOF CI	463 530 693 693 Eloate 3 10'd Luatre 1 800 1 C 3 he 09 8900 1 C 3 he	CASING SIZE & W  CASING SIZE & W  CASING SIZE & W  CEMENT LEFT IN  RATE  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP SCHOOL  SUP	CASING 18  CASING 18  CASING 18  CHOCK 2  COSTON  COST	2 2270 2 2270 52 10.44 55 10.44
OB TYPE 2:54 DE HOLES CASING DEPTH 46128 DRILL P LURRY WEIGHT 19.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE EMARKS: SALEN Madins ENT 2.456, 78,9,10,5 PICO MAD CITCULADE PCL WILLE MIN 27558 PAD DISPLACE PCL WILLE MIN 27558 PAD DISPLACE POSE MAD CITCULADE POSE MAD	IZE 77(8  IPE  VOL  EMENT PSI  ON MAURIC  I 1/2 has. A.  SOWC W/S  WATER 138/2  ENDU TOOLO  TOOLO  PUMP CHARGE	HOLE DEPTH TUBING WATER gal/sk MIX PSI LIGHTON OF SER CRIPTION OF SER	530 693 Float eg 3 10'd Lundre 1 800's 1 2 3 he 05 8% of 1 2 700's	CASING SIZE & W  CASING SIZE & W  CEMENT LEFT IN  RATE  SOR SCHOOL  COCAL W  MARAND LINES  CHANGE  CHANGE  CHANGE  THANGE  THA	CASING 18  CASING 18  CHOR 2  LUCK TOP  LUCK T	2 2270 2 2270 52 10.44 55 10.44
OB TYPE 2:54 DE HOLES CASING DEPTH 46128 DRILL P LURRY WEIGHT 19.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE EMARKS: SALEN Madins ENT 2.456, 78,9,10,5 PICO MAD CITCULADE PCL WILLE MIN 27558 PAD DISPLACE PCL WILLE MIN 27558 PAD DISPLACE POSE MAD CITCULADE POSE MAD	IZE 77(8  IPE  VOL  EMENT PSI  ON MAURIC  I 1/2 has. A.  SOWC W/S  WATER 138/2  ENDU TOOLO  TOOLO  PUMP CHARGE	HOLE DEPTH TUBING WATER Gal/sk MIX PSI LOS. SBAL + KLISTAL BBLS MUCE ROOF CI	Float 00 3 10'd 1 2004 1 8004 1 2 3 4 6 0 5 8 9 6 7	CASING SIZE & W  CASING SIZE & W  CEMENT LEFT IN  RATE  SIR SCHOOL  SIR SCHOOL	CASING 18  CASING 18  CHOR 2  LUCK TOP  LUCK T	2 2270 52 10-4 55 10-4 55 10-4
LURRY WEIGHT 19.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE  EMARKS: SALEN Madins  ENT 2. 4.5.6. 7.8.9.10.5  RISCOP MAD CITCULADE  RCL WALER MIN 27558  PAD DISPLACE 37 88L5  W BOMB WAIT DATE RH.  ACCOUNT QUANITY OF UNITS  GUELC 1  ACCOUNT CODE QUANITY OF UNITS  GUELC 1  ACCOUNT CODE 25  407 A 35.71-A  126 25  100 A 1375#  118 3646#  107 133#  119 9  11103  1129 9  1103	PUMP CHARGE	HOLE DEPTH TUBING WATER gal/sk MIX PSI LE 10 6.	Float 00 3 10 3 1 2004 1 8004 1 C 3 he 05 8 9000 2 2000	CASING SIZE & W  CASING SIZE & W  CEMENT LEFT IN  RATE  OULD SCYNE  OULD SCYNE	CASING 18  CASING 18  CHOR 2  LUCK TOP  LUCK T	2 2270 52 10-4 55 10-4 55 10-4
LURRY WEIGHT 19.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE  EMARKS: SALEN Madins  ENT 2. 4.5.6. 7.8.9.10.5  RISCOP MAD CITCULADE  RCL WALER MIN 27558  PAD DISPLACE 37 88L5  W BOMB WAIT DATE RH.  ACCOUNT QUANITY OF UNITS  GUELC 1  ACCOUNT CODE QUANITY OF UNITS  GUELC 1  ACCOUNT CODE 25  407 A 35.71-A  126 25  100 A 1375#  118 3646#  107 133#  119 9  11103  1129 9  1103	PUMP CHARGE	TUBING WATER gal/sk MIX PSI LIDE. LI	Float 00 3 10'd 1 2004 1 8004 1 8004 1 2 3 4 6 0 5 8 7000 1 2 7000	CASING SIZE & W  CEMENT LEFT IN  RATE  OULD SCHOOL  SOCAL W  MARAND FINES  CILL CLOSE  CIL	CASING 18  CASING 18  CHOR 2	2 2270 52 10-4 55 10-4 55 10-4
LURRY WEIGHT 19.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE  EMARKS: SALEN Madins  ENT 2. 4.5.6. 7.8.9.10.5  RISCOP MAD CITCULADE  RCL WALER MIN 27558  PAD DISPLACE 37 88L5  W BOMB WAIT DATE RH.  ACCOUNT QUANITY OF UNITS  GUELC 1  ACCOUNT CODE QUANITY OF UNITS  GUELC 1  ACCOUNT CODE 25  407 A 35.71-A  126 25  100 A 1375#  118 3646#  107 133#  119 9  11103  1129 9  1103	PUMP CHARGE	TUBING WATER gal/sk MIX PSI LIDE. LI	Float 00 3 10'd 1 2004 1 8004 1 8004 1 2 3 4 6 0 5 8 7000 1 2 7000	CASING SIZE & W  CEMENT LEFT IN  RATE  OULD SCHOOL  SOCAL W  MARAND FINES  CILL CLOSE  CIL	CASING 18  CASING 18  CHOR 2	2 2270 52 10-4 55 10-4 55 10-4
ELURRY WEIGHT [4.7-11. SSLURRY ISPLACEMENT 73.05 DISPLACE  EMARKS: SAFELY MEDICAL  EMARKS: SAFELY MEDICAL  ENT 2. 4.5.6. 7.8.9.10.5  RIGOR MEDICAL  RIGOR ME	PUMP CHARGE	WATER gal/sk MIX PSI  LE 106.	Float 00 3 10'd 1 2004 1 2004 1 2004 1 2004 1 2004	CEMENT LEFT IN  RATE  OULD'SS. D  SOCAL W  MARAN FINES  LICH 15  Charts 7	CASING 18 Cher 2 - - Wa Top Wa Top Wa Top Wa Top Wa Top Wa Top Was	10-44 55 1, 20 All blug DI=A DI=A DI=A DI=A DI=A DI=A DI=A DI=A
EMARKS: SAFELY MEDIANS  EMARKS: SAFELY MEDIANS  ENT 2, 4,5,6, 7,8,9,10,5  Rigup mud directable  RCL water mix 27558  End displace 378865  W Bento wait 10 m. was  OSFI MH 30185 RH.  ACCOUNT CODE QUANITY OF UNITS  GUAL 1375#  126 25  110A 1375#  1131 530585  1198 3646#  107 133#  11916 10005A  11199 9  1103	EMENT PSI  SEMENT	MIX PSI LE 106, 106(200+: 106(	Float 00 3 10'd 1 2004 1 2004 1 2004 1 2004 1 2004	CEMENT LEFT IN  RATE  OULD'SS. D  SOCAL W  MARAN FINES  LICH 15  Charts 7	CASING 18 Cher 2 - - Wa Top Wa Top Wa Top Wa Top Wa Top Wa Top Was	10-44 55 1, 20 All blug DI=A DI=A DI=A DI=A DI=A DI=A DI=A DI=A
EMARKS: SASICHY MEDINS  ENT 2, 4,5,6, 7,8,9,10,5  PISOD MAD CICULADO  RCL WILER. MIX 2755  END DISTRIBUTE 37 BBLS  W BEND WAIT 10 MIN WED.  W SEND WAIT 10 MIN WED.  W SEND WAIT 10 MIN WED.  W BEND WAIT 10 MIN WED.  W BOND WAIT 10 MIN WAI	PUMP CHARGE	# 106.  106.	Float 00 3 (0'd) 1 madre 1 800° 1 c 3 he 05 8°000° 2 200°	RATE  OCCUPSON  SCOCAL W  A COCAL W  A COCAL W	eher 2 -	10-44 55 1, 20 Bl DI-p DI-p d Clos 1-mann 0 bo Too
PCL water my 2755 PRI.  PCL water my 305 PRI.  PCL water my 4 PRI.	1/12 has. A.  1/2	# 15 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L wadre . Wash pur & 800° 1 < 3 he 0 5 8 % and re 700°	Sposal many house sign (400 as from p s) (14+ closer as high 15	objectively open close	20 \$1 plug D1-p D1-p D1-p D1-p D0-700
PCL water my 2755 PRI.  PCL water my 305 PRI.  PCL water my 4 PRI.	1/12 has. A.  1/2	# 15 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L wadre . Wash pur & 800° 1 < 3 he 0 5 8 % and re 700°	Sposal many house sign (400 as from p s) (14+ closer as high 15	objectively open close	20 \$1 plug D1-p D1-p D1-p D1-p D0-700
ECL Water. Mix 27558  and displace 378865  When wait 10 min op a  DSF1 MH 130765 RH.  ACCOUNT QUANITY OF UNITS  GUOLE 1  1406 25  1407 25585  1108 1375#  131 530565  1418 3646#  1416 10005a1  1156 1	2 Approx 20  PUMP CHARGE	BALS MUE BALS MUE ROOT CI IS COLUMN 1 BAL WAR	1 200° 1 2 3 he 0 5 8 % 200° 2 2 700°	mp and times Light, 1400 5. Pump 5 1 (4+ Closes Light 15 Chants 7	oosal mand	DIOD DIOD DIOD DU TOO Creu
Remb wait 10 m. web.     Remb wait 10 m. web.     PSF1 MH 1307 to RH.     Rement dud circulate     Rement dud circulate	MANE 381/2  1 DO TOOLO  1 DO TOOLO  1 DO TOOLO  2 DO TOOLO  2 DESCRIPTION DESCRIPTION	BALS moe  ROOT CI  SCOTTON  BALS  CRIPTION OF SER	1 800°	S. Pump S Clutcloses Lict 15	oosal many	DIOP DIOP DIOP DUTOO
DESET MH 305 to RH.  POSET MH 305 to RH.  RES. Drop plus and D.  Rement dud circulat  ACCOUNT CODE QUANITY or UNITS  GUELC 1  SUELC 1  SUE	Mix 48036 Mix 48036 Splace 3714 PAPPIOP 20 DESC	ROOT CI	16 3 he 05 8 % of th 700°	s. Pump s l'utclosa Lict 15	cosal many	o bo Too
205 FT MH 305 F3 RH.  Ness. Dropples and decelled  Rement did circulat  ACCOUNT QUANITY or UNITS  1406 25  1407 35.71=1  126 2755 F5  110 A 1375#  131 5305 F5  118 3646#  107 133#  1146 1000 Cal  1156 1	PUMP CHARGE	1 BBL ward  DBBL T do  CRIPTION of SER	02 8 3000 p) +	1 lytelogae Lict 15 Chanks 7	005A ( M.	od Clus
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ACCOUNT CODE QUANITY OF UNITS  GUELC 1	DESC PUMP CHARGE	CRIPTION of SER	+14	thanks 7	00 close	creu
ACCOUNT CODE QUANITY OF UNITS  GUELC 1	DESC PUMP CHARGE	CRIPTION of SER	+14	thanks 7	00 close	creu
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CODE QUANITY OF UNITS  GUEVIC	PUMP CHARGE		VICES or PROI		Coche and the control of the control	
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

July 19, 2013

Steve Harris O'Brien Resources, LLC PO BOX 6149 SHREVEPORT, LA 71136

Re: ACO1 API 15-063-22107-00-00 Swart 21 1 NW/4 Sec.21-14S-30W Gove County, Kansas

#### **Dear Production Department:**

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Steve Harris