

Confid	entiali	ty Requested:
Yes		No

Kansas Corporation Commission Oil & Gas Conservation Division

1229714

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:	SecTwpS. R				
Address 2:	Feet from North / South Line of Section				
City: State: Zip:+	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □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: Well #:				
New Well Re-Entry Workover	Field Name:				
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.				
Original Comp. Date: Original Total Depth:					
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:				
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:				
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. 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								
Geologist Report Received								
UIC Distribution								
ALT I II Approved by: Date:								



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot			
		otain Geophysical Data a or newer AND an image		ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log	
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth ar		Sample	
Samples Sent to Geo	logical Survey	Yes No	Nam	ie		Тор	Datum	
Cores Taken Electric Log Run		Yes No						
List All E. Logs Run:								
		CASING	RECORD No	ew Used				
		Report all strings set-			ion, 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 / SQL	IFEZE RECORD				
Purpose:	Depth Top Pottors	Type of Cement	# Sacks Used	Type and Percent Additives				
Perforate Protect Casing Plug Back TD	Top Bottom							
Plug Off Zone								
	ulic fracturing treatment or			Yes		p questions 2 ar	nd 3)	
		aulic fracturing treatment ex submitted to the chemical of	_	?	= ' '	p question 3) out Page Three	of the ACO-1)	
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Perl			cture, Shot, Cement		d Depth	
	.,,			,		,		
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil B		Mcf Wat			Sas-Oil Ratio	Gravity	
	ON OF GAS:	N Open Hole	METHOD OF COMPLI		mmingled	PRODUCTIO	DN INTERVAL:	
Vented Sold	Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)							

Form	ACO1 - Well Completion				
Operator	O'Brien Energy Resources Corp.				
Well Name	Weber 1-20				
Doc ID	1229714				

All Electric Logs Run

Neutron	
Induction	
Micro	
Sonic	

Form	ACO1 - Well Completion				
Operator	O'Brien Energy Resources Corp.				
Well Name	Weber 1-20				
Doc ID	1229714				

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
SURFACE	12.25	8.625	24	308	Class A		3% CaCl & 1/4# floseal
PRODUC TION	7.875	4.5	10.5	4045	Thickset blend	75	

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561

Authorization #

Cementing & Acidizing of Kansas, LLC

Cement or Acid Field Report								
Ticket No.	1537							
Foreman	STEUR Mead							
Camp Eur	era							

Date	Cust. ID#	API 15-191-22759 Lease & Well Number		Section	Township	Range	Cou	nty State	
7-26-16	4 1096	1 Weber 1-20		20	325	IE	Summe	n Ks	
Customer			Safety Meeting	Unit #		river	Unit#	Driver	
OBMEN Energy Resources Corp				102		-22-			
Mailing Add	dress	•		11_3	Alle	n (r.			
18 Con	gress ST		1	**					
City	9	State Zip Code							
Ports	mouth	NH 03801							
Job Type.	Surface	Hole Depth		Slurry Vol			Tubina		
		Hole Size		Slurry Wt			_		
_	•	ুদ্র Cement Left in Casing 2০		Water Gal/SK					
•	_	Displacement PSI							
	_								
		Time Rigup TO 83's Cosi							
		ks Clarif Coment by 3% C							
196615	Fresh wasor.	Shui wall in Good com				,			
		Jab Campleis 3	is done	m					
									
		71					 	· ·	
		Thank	<u> </u>						
				-					
Code	Qty or Units	Description of Product or Serv	vices			Uni	t Price	Total	
(101	l_	Pump Charge				84	00.00	840.00	
C/07	80	Mileage					3.95	316.00	
(200	1803/5	Class A Cement				15.	00	2700,00	
C205	500\$	Calcium Chloride 3	%				60	300.00	
C 206	335+	CC1 204					20	67.00	
	50 #	Flo-Seal "4" perysic					35	112.50	
+									
C108-B	846	Jon mileage bulk Truck				1.3	3	913.68	
					-	1	-	2.00	
						<u> </u>			
			*	MADIE			+		

Title

Subjoid

Sales Tax

Total

5249.18

5460.62

211.44

810 E 7TH PO Box 92 EUREKA, KS 67045 (620) 583-5561

Cementing & Acidizing of Kansas, LLC

Cement or Acid Field Report	t
Ticket No. 1544	
Foreman STOUR Moad	
Camp Euraka	

Date	AP 15-191-23759 ate Cust. ID# Lease & Well Number				Section Township		Range	County	State	
		Weber			20	32	S	16	Summer	Ks
Customer	12076	10000		Safety	Unit #		Driv		Unit #	Driver
		P- Sames CAS	Care	Meeting	104	F	1/cun	m		
Moiling Address	TILLEY	Resources		1	112		hors	m		
Mailing Address		STe. 20	~		141		کسلک			
18 Cans	rass sr	10.	7: 0:1:	1						
Portsm	auth	NH	03801							
		Hole Dep	th 4050		Slurry Vol.			Tu	bing	
Casing Depth	4044 G	∠ Hole Siz	e 778		Slurry Wt			Dr	ill Pipe	
Casing Size & V	NH 5 72 15.	5-\$1 Cement I	eft in Casing 201		Water Gal/SK			Ot	her	
Displacement_			ement PSI 500		Bump Plug to				PM	
										~ ~
Remarks: 2	HTY Me	exing: 1318	sup To 3/2 C	aziuk.	73000/S	<u> Circu</u>	lati	an W/	12/12/V WA	18/-
Pump 101	obliche	ead Pump	100to Caus	تكرحمت	de 1 56	bls w	ater	Space	XIM	25 sk c
Thidese	[Cemer	T W SE	Kal-Seal x	120	heno seal	Per/s	<u>k</u>	wash	out pu	mpx
Lines.	Shut do	IWN Ray	lease Late	h den	in Plue		<u>تز ۲۰</u> ۲	Lace	W/ 9.8 hh	15 Fresh
1. 50 To Y.	Fina	Qumoino	Pressure	500\$	Bump	phy	. 1	000 t	Wait	2 min
Water. Final pumping Prossure 500# Bumpphy 1000# Wait 2 min. Release Pressure Plugheld. Good Circulation During Jab. Job Complete Rigdown Thank you										
7,02,00		John	maleTe A	Pic de	rwn			0		
				8	Thank	1 VC	·u			
-			-		=					
			2 T 1							

Centralizer 1-3-5 Basker TOP#6

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C/02	1	Pump Charge	1500.00	1500.00
CLOT	80	Mileage	3.95	316.00
(201_	75 sks	ThickSet Cement	19.50	1463.50
(207	3755	5# Kol-Seal Perisk	.45	168.75
C208	75 *	1 B Phanoseal Parisk	1.25	9 3.75
C108 B	4.13	Ton mileage	1.35	446.04
C 217	100 E	Coustic Sodo Preslush	1.60	160.00
C113	7 hrs	80 bbl VacTruck	85.00	595.00
	300 Uga).	Citywater	10.00/1000	30.00
C681	1	5's Float Cullor	225.00	225-00
C703	1	5's AFU Flapper Value Insert	145.00	145.00
C504	3	5/2 Centralizer	48.00	144.00
Clour	1	5 /2 Cement Basket	225.00	225.00
C421	1	5'3 Latch Down Plug	230-00	230.00
		1 3 29	SubToTa Sales Tax	5741.04
Authoriz	zation Qu	k Coulty Title	Total	5932.83

O'Brien Energy Resources, Inc. Weber No. 1-20 Section 20, T32S, R1E Sumner Co., Kansas August, 2014

Well Summary

The O'Brien Energy Resources, Weber No. 1-20 was drill to a total depth of 4050' with no problems. The closest offset was the Weber "A" No. 1, approximately 1200' to the North. The Kansas City ran 8' low relative to this offset. Structure was gained as the Pawnee, Mississippi and Kinderhook ran 12', 6' and 17' high respectively. The Simpson Sandstone came in 15' high.

The Kansas City and Pawnee came in 8' and 16' low relative to the Weber No. 1-20, 1320' to the northeast and oil productive from the Simpson Sandstone. Thinning occurred in the Mississippi and the Kinderhook and Simpson Sandstone came in 12' and 14' high.

An excellent show occurred in the Simpson Sandstone(3989'-4006') and consists of a Sandstone – Light to medium brown with oil staining, friable, fine upper to fine lower, well sorted, subround to round grains, siliceous cement, clean, excellent intergranular porosity, bright light yellow to pale blue and occasional goldbrown hydrocarbon fluorescence in most of the sandstone, excellent fast streaming cut, even brown matrix oil staining and live oil, excellent oil odor, trace solid residual black oil, show dissipates when dried.

This interval was drillstem tested and recovered gas to surface in 30 minutes, 139' of highly gas cut oil and 2910' clean gassy oil and with a bottom hole pressure of 1327 PSI and flowing pressures of 436 to 834 PSI. The sample chamber contained 750 PSI, 4.8 cubic feet of gas and 1500 ml of oil with a gravity of 42.6 API at 60 deg. F. No water was noted in the recovery but the mud pit chlorides went up from 1600 to 5000.

5 ½" production casing was run to TD on the Weber No. 1-20. Appreciation to the C&G Drilling rig hands.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator: O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH

Geologist: Paul Wiemann – Denver, CO

Well: Weber No. 1, wildcat

API No.: 15-191-22759

Location: 1390'FSL & 430'FWL, Sec. 20, 32S, 1E, Sumner Co., KS

Elevation: Ground Level 2356', Kelly Bushing 2368'

Contractor: C&G Drilling Inc. Type: Double stand, double jackknife, T.P. and Company

man Duke Coulter, Drillers Mike Hatfield, Robert Curmtl

Spud Date: 7/26/14

Total Depth: 8/1/14, Driller 4050', Logger 4052', Simpson

Casing Program: 8 5/8" surface casing set at 303', 5 ½" production casing to TD.

Mud Program: Twister Mud Company, Engineer Charlie Coulter, Type: LSND, mud up 2541'.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 2500', Box 350, Drake,

CO 80515, 720/220-4860.

Samples: 10' - 3500' to TD.

Electric Logs: Nabors Completion and Production Services Co., Engineer Jason Cappellucci,

1) Dual Induction, 2) Compensated Density/Neutron, 3) Microlog, 4) Sonic

Status: 5 ½" production casing set a TD on 8/2/14 for Simpson Sandstone oil

production.

WELL CHRONOLOGY

8 PM

8/2

TD

DATE DEPTH	<u>FOOTAGE</u>	RIG ACTIVITY
7/25 bushings. Drill	rathole.	Move to location and rig up rotary tools. Change out kelly
	*	Service rig and work on pump. Spud in 12 ¼" surface to 314' cement 8 5/8" surface casing set at 303'. Plug down 3:40 PM. and jet pits. Drill 7 7/8" to 781'. Under surface 1:30 AM.
7/27 2510'	2196'	Service rig and jet pits. Survey(.75 deg.) and work on pump.
7/28 3573' button bit.	63'	Jet pits and mud up at 2541'. To 3573' and trip for Bit No. 3 $-$
7/29 3655'	82'	To 3655'. Surveys(.575 deg.).
7/30 3858'	203'	Service and jet.
7/31 4003' condition mud.	145' Trip for DST No. 1	Circulate for samples at 4003'. Short trip and circulate and 1(3993'-4003'), Simpson SS and run test. Tool on bottom 4:37 PM.
8/1 4050'TI tool. Trip in wit run Elogs. Casi:	th Bit No. 3 and dri	Run test – gas to surface in 30 minutes. Trip out and break down ll to 4050'TD and circulate and condition mud. Trip out for logs and

BIT RECORD

Run and cement 5 1/2" production casing to TD. Rig down

<u>NO.</u>	MAKE	TYPE	SIZE	<u>OUT</u>	FOOTAGE	HOURS
1A 1 2 3	RBI Force HTCO Dttel	1661RR N61660 6X286 Z228	12 ½" 7 7/8" 7 7/8" 7 7/8"	313' 3573' 4003' 4050'	313' 3260' 430' 47'	1.25 40.75 44.25 4.75
				Total Rotatin Avera	•	91 44.5 Ft/hr

DEVIATION RECORD - degree

313' 1/4, 812' 1/4, 1251' 1/2, 1785' 1/2, 2352' 3/4, 2761' 7/8, 3351' 7/8, 3573' 7/8, 4004' 1

MUD PROPERTIES

DATE	DEPTH	$\overline{\mathbf{WT}}$	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	$\underline{\mathbf{WL}}$	<u>CL</u>	<u>LCM-</u> LBS/BBL
7/27	843'	8.4	Wate	r				2.5K	
7/28	2470'	9.2	Wate	r				4.7K	3
7/29	3573'	9.4	38	11	6	10.5	13.3	1.75	4
7/30	3830'	9.4	41	11	9	9.5	13	1.9K	1.5
7/31	4003'	9.2	48	16	12	9.5	11.8	1.6K	1.5
8/1 11am	4050'	9.0	49	9	13	9.5	17.4	6K	2.5
8/1 2pm	4050'	9.0	58	17	14	10.4	10.4	5K	2.5

DRILL STEM DATA

DST NO.1: (3993'-4003'), Simpson Sandstone

Type: Conventional Bottom Hole Test Times: 30-45-60-60

<u>PERIOD</u>	<u>TIME</u>	<u>PSI</u>
IH		1904
IF	30	1325 - 1330
ISI	60	1327
FF	45	436 - 834
FSI	60	1314
FH		1900

BHT 123 deg. F.

BLOWS: IF & ISI: Weak to no blow – Tool failed to open. FF: Strong blow, bottom of bucket in 30 Seconds, gas to surface in 30 minutes, gauged at 41.88 Mcf/d. FSI: Bled off and remained strong and off the BOB throughout.

RECOVERY: Gas to surface in 30 minutes, 139' gassy oil cut mud, 2910' of clean gassy oil.

Sample Chamber: 750 PSI, 4.8 cfg, 1500ml oil – Oil Gravity 42.6 API at 60 deg. F.

Note: No pressures or recovery for the IF & ISI as the tool did not cycle open.

ELECTRIC LOG FORMATION TOPS- KB Elev. 1217'

			*Weber "A" No. 1		
FORMATION	DEPTH	DATUM	DATUM	POSITION	
Surface casing	304'				
Kansas City	2976'	-1759'	-1755'	-8'	
Base Kansas City	3222'	-2005	-2004'	-1'	
Pawnee	3304'	-2086'	-2099'	+12'	
Mississippi	3608'	-2391'	-2397'	+6'	
Kinderhook	3922'	-2705'	-2722'	+17'	
Simpson SS	3989'	-2772'	-2787'	+15'	
Base Simpson SS	4006'	-2798'	-2802'	+13'	
TD	4052'				

^{*}Cities Services Oil and Gas, Weber "A" No. 1, approximately 1200' to the North, K.B. Elev. 1228'.

			*Weber No. 1-20		
FORMATION	DEPTH	DATUM	DATUM	POSITION	
Kansas City	2976'	-1759'	-1751'	-8'	
Base Kansas City	3222'	-2005	-2008'	-3'	
Pawnee	3304'	-2087'	-2103'	-16'	
Mississippi	3608'	-2391'	-2390'	-1'	
Kinderhook	3922'	-2705'	-2712'	+12'	
Simpson SS	3989'	-2772'	-2786'	+14'	
Base Simpson SS	4006'	-2798'	NDE		
TD	4052'				

^{*}Eagle Creek Corp., Weber No. 1-20, approximately 1320' to the NE, K.B. Elevation 1216'.

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100") Imperial

Well Name: O'Brien Energy, Weber No. 1

Location: 1390'FSL & 430'FWL, Sec. 20, 32S, 1E, Sumner Co., KS

Licence Number: API: 15-119-21366 Region: Hougoton

Spud Date: 7/26/14 Drilling Completed: 8/1/14

Surface Coordinates: 1390'FSL & 430'FWL, Sec. 20, 32S, 1E, Sumner Co., KS

Bottom Hole 1390'FSL & 430'FWL, Sec. 20, 32S, 1E, Sumner Co., KS

Coordinates:

Ground Elevation (ft): 1208' K.B. Elevation (ft): 1217' Logged Interval (ft): 3500' To: TD Total Depth (ft): 4050'

Formation: Mississippi, Simpson

Type of Drilling Fluid: LSND, mud 2541'

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: O'Brien Energy Resources, Corp.

Address: 18 Congress St., Suite 207

Portsmouth, NH 03801

President/Owner John Forma, Geologist Paul Wiemann

GEOLOGIST

Name: Wellsite: Peter Debenham Company: Petrolific Consulting Services

Address: P.O. Box 350

Drake, CO 80515

720/220-4860, Petrolific@gmail.com

Comments

C&G Drilling Inc. Type: Double stand, double jackknife, T.P. and Company hand Duke Coulter, Drillers Mike Hatfield, Robert Curmtl, Mud Co.: Twister Mud Co. engineer Charlie Coulter, Nobors Services Co., engineer Jason Cappellucci, Trilobite Testing enineer Matt Smith. 5 1/2" production casing set to TD 8/2/14.

ROCK TYPES

Anhy
Bent

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Clys Coa ············· Cor

Clyst Coal Congl Dol

Gyp

* * * *

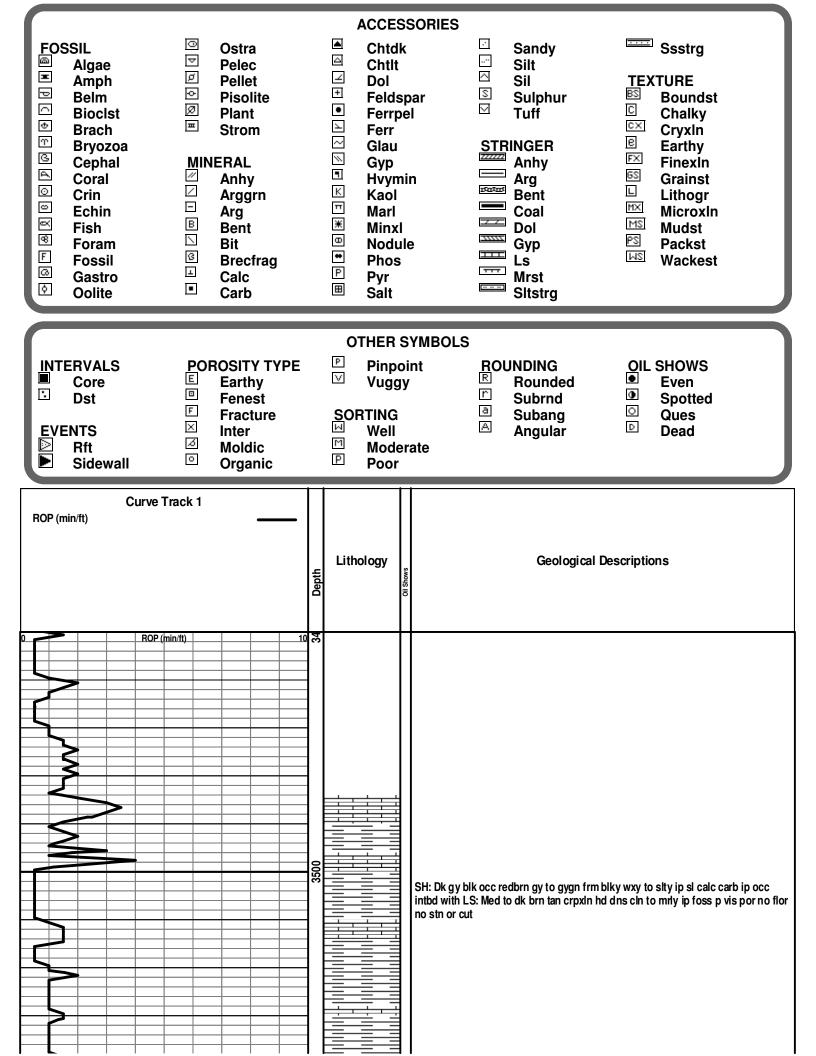
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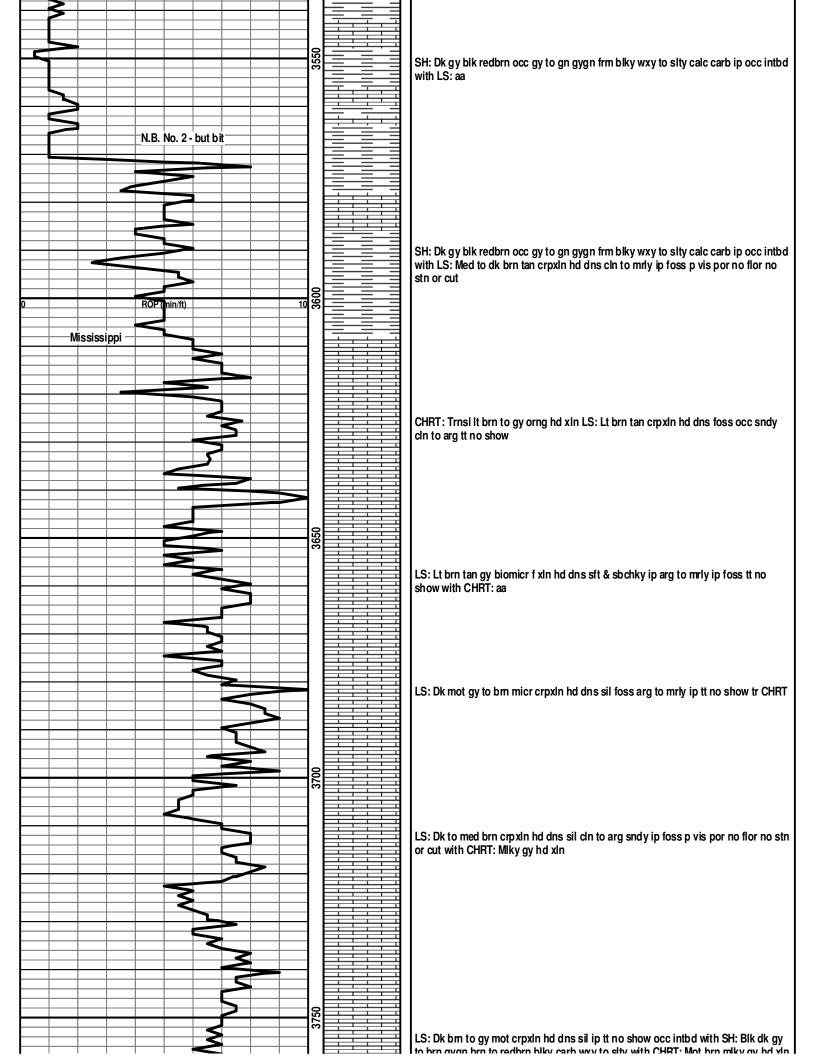
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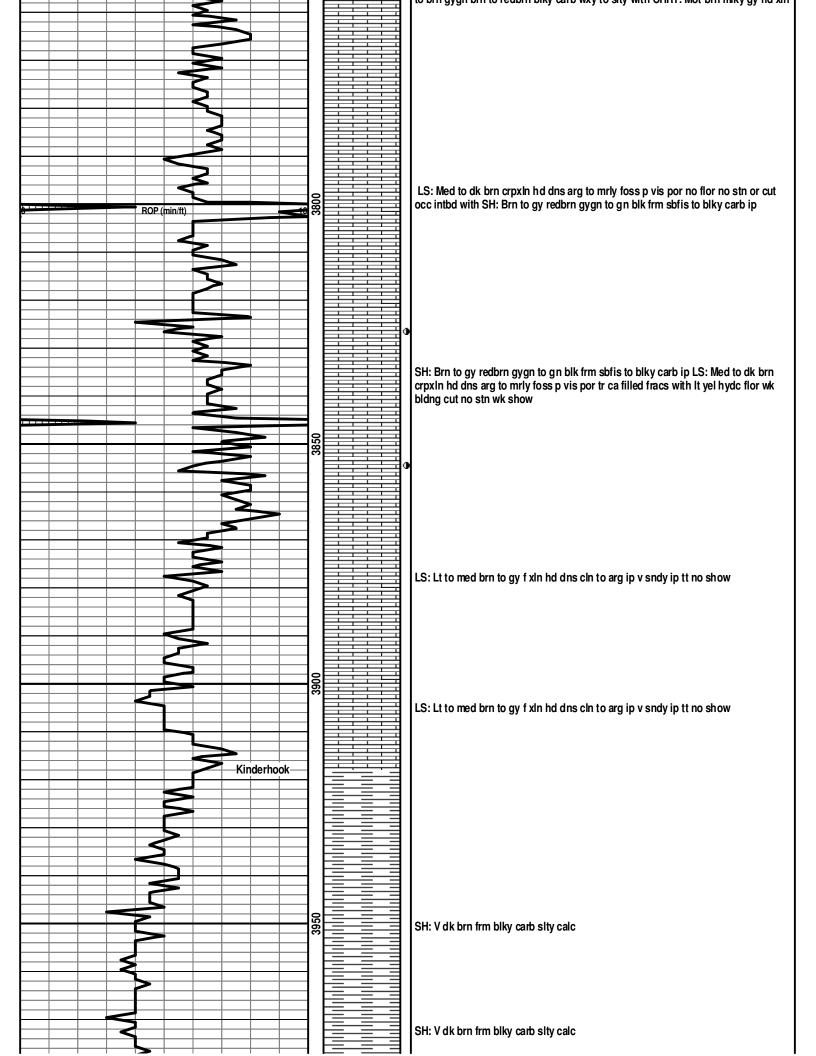
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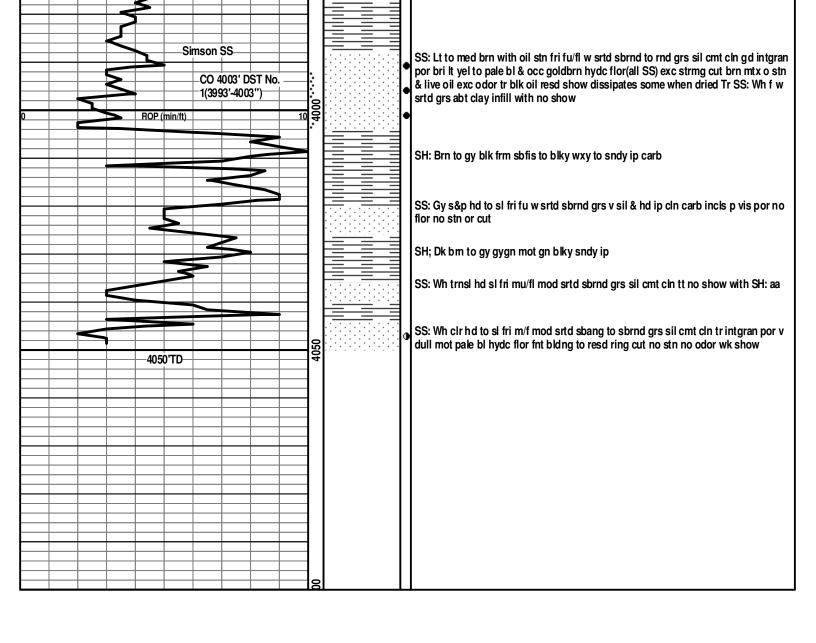
m m m Mrlst
Salt
Shale
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Ss











DRILL STEM TEST REPORT

O'Brien Energy Resources Corp.

20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207 Portsmouth, NH. 03801 Weber # 1-20

Unit No:

Job Ticket: 54129

53

Reference Elevations:

DST#:1

ATTN: Pete Debenham

Test Start: 2014.07.31 @ 13:05:35

GENERAL INFORMATION:

Formation: Simpson Sandstone

Deviated: No Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 16:11:35 Time Test Ended: 03:26:50

Interval:

3993.00 ft (KB) To 4003.00 ft (KB) (TVD)

Total Depth: 4003.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Tester: Matt Smith

1218.00 ft (KB)

1208.00 ft (CF) KB to GR/CF: 10.00 ft

Serial #: 6773 Outside

Press@RunDepth: 834.29 psig @ 3994.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.07.31
 End Date:
 2014.08.01
 Last Calib.:
 2014.08.01

 Start Time:
 13:05:40
 End Time:
 03:26:50
 Time On Btm:
 2014.07.31 @ 16:06:05

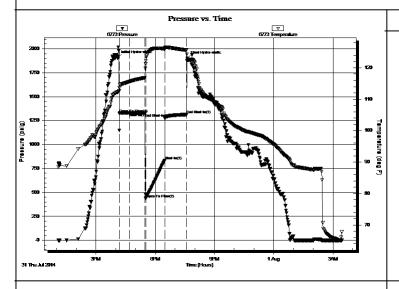
 Time Off Btm:
 2014.07.31 @ 19:37:50

TEST COMMENT: IF: Weak blow . Surf., - 1/4". Dead in 15 mins.

ISI: No blow.

FF: Strong blow . B.O.B. in 30 secs. Gauged gas. See gas report. G.T.S.

FSI: Strong blow . B.O.B. Never bleed off.



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1903.78	112.25	Initial Hydro-static
6	1324.61	113.62	Open To Flow (1)
36	1329.59	115.60	Shut-In(1)
83	1327.02	116.85	End Shut-In(1)
85	436.04	121.29	Open To Flow (2)
143	834.29	125.97	Shut-In(2)
209	1312.47	125.61	End Shut-In(2)
212	1900.56	122.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
139.00	GOCM	0.68
2910.00	Clean GO 100%o	39.90
0.00	G.T.S. G.I.P. 100%g	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	41.88
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	12.00	41.88

Trilobite Testing, Inc Ref. No: 54129 Printed: 2014.08.01 @ 11:06:51



DRILL STEM TEST REPORT

FLUID SUMMARY

DST#: 1

O'Brien Energy Resources Corp. 20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207 **Weber # 1-20**

Portsmouth, NH. 03801 Job Ticket: 54129

ATTN: Pete Debenham Test Start: 2014.07.31 @ 13:05:35

Mud and Cushion Information

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 1600 ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 9.29 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1600.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
139.00	GOCM	0.684
2910.00 Clean GO 100%o		39.900
0.00		

Total Length: 3049.00 ft Total Volume: 40.584 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: G.T.S Gauged gas see gas report. Sampler chamber fluid. 4.8 CF gas. 1500

ML oil. 1500 ML gas.

Oil API corrected to 42.6 @ 60 degrees.

Trilobite Testing, Inc Ref. No: 54129 Printed: 2014.08.01 @ 11:06:51



DRILL STEM TEST REPORT

GAS RATES

O'Brien Energy Resources Corp.

20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207 Portsmouth, NH. 03801 Weber # 1-20

Job Ticket: 54129

DST#: 1

ATTN: Pete Debenham

Test Start: 2014.07.31 @ 13:05:35

Gas Rates Information

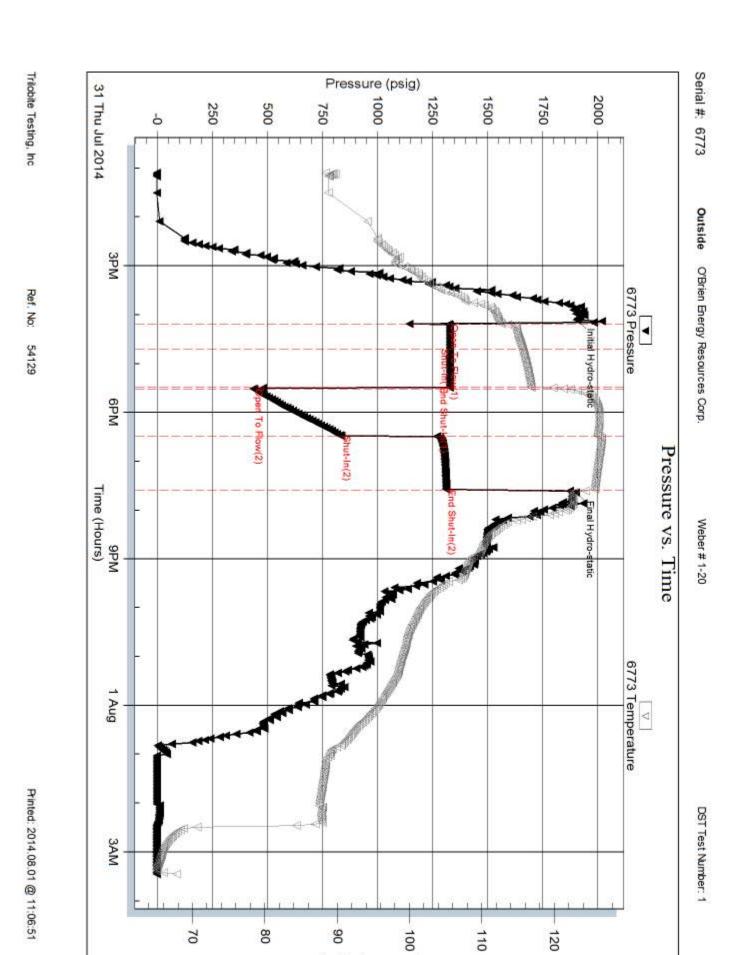
Temperature: 59 (deg F)

Relative Density: 0.65 Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	12.00	41.88
2	40	0.25	7.00	33.95
2	50	0.25	3.00	27.60
2	60	0.25	3.00	27.60

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Temperature (deg F)