KOLAR Document ID: 1354368

Confident	tiality Re	equested:
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	- DESCRIPT	FII &	I FASE
	Instont			LLASL

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
	Location of fluid disposal if hauled offsite:
CON Permit #:	Operator Name:
	Lease Name: License #:
Source Date Reached 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 Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II III Approved by: Date:						

KOLAR Document ID: 1354368

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 Take	en		<u> </u>	/es 🗌 No	1		L	og Forn	nation (Top), De	pth and	d Datum	Sample
(Attach Additional Sheets)				(N	lame)			Тор	Datum
Cores Taken Electric Log Run Geologist Report / M List All E. Logs Run:	Aud Logs	vey		res No res No res No res No								
			Rep	CASI ort all strings	NG RECO	RD	Nev	w Used	duction, etc.			
Purpose of String	Siz	ze Hole Drilled	Si	ze Casing et (In O.D.)		Weight _bs. / Ft.		Setting Depth	Type o Cemei	of nt	# Sacks Used	Type and Percent Additives
Purpose:		Depth	Turo	ADDITIO		NTING / S	SQU	EEZE RECC)RD	and Pa	vraant Additivaa	
Perforate Top Bottom		Bottom	тур	e of Cement	#0				туре	anu re	Acent Additives	
Plug Back TD Plug Off Zone	J 											
 Did you perform a h Does the volume of Was the hydraulic fractional first Production 	nydraulic fractu the total base racturing treat	uring treatmen e fluid of the hy ment informat Resumed Prov	it on this y ydraulic fi ion subm duction/	well? racturing treat itted to the ch Producing Flowing	ment exceed emical discle Method:	I 350,000 g osure regis mping	galloi stry?	Gas Lift	S No (If J S No (If J S No (If J S No (If J S Other (Explain)	No, skip No, skip No, fill c	o questions 2 an o question 3) out Page Three o	d 3) of the ACO-1)
Estimated Production Per 24 Hours	1	Oil B	bls.	Gas	Mcf	,	Wate	r	Bbls.	Ga	as-Oil Ratio	Gravity
DISPOSIT	TION OF GAS	8:			METHO	METHOD OF COMPLETION:					PRODUCTIC	N INTERVAL:
Vented So	old Use	ed on Lease		Open Hole	Perf.	Di (Su	Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			100		
Shots Per Perforation Perforation Bridge f Foot Top Bottom Type		Bridge Plug Type	Bridg Se	e Plug t At		,	Acid, Fracture, Sho (Amount ar	ot, Cem nd Kind d	enting Squeeze of Material Used)	Record		
TUBING RECORD:	Size:		Set At:		Packer	At:						

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	HUSH 3-16
Doc ID	1354368

Tops

Name	Тор	Datum	
Heebner	4398	1655	
Toronto	4421	1678	
Lansing	4494	1751	
Marmaton	5166	2423	
Novinger	5238	2495	
Cherokee	5334	2591	
Atoka	5624	2881	
Morrow	5669	2926	
Mississippi Chester	5765	3022	
Basal Chester	5965	3222	
Ste. Genevieve	6015	3272	
St. Louis	6171	3428	

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	HUSH 3-16
Doc ID	1354368

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1483	A-conn blend	525	2%CaCl,1/ 4# floseal





19

Customer)	Stien	Ener	Lease	No.			7			
Lease	Hus	h e se esta	· Well #	3-10						
Field Order #	Statio	n Piar	ť	Casing	81/3 Depth	1490	County N	CAU		State M
Type Job ZL12 85/8 SHIFACE				Formation			Legal De	scription	6-33-30	
PIPE	DATA	PER	FORATING DAT	A FLUID	USED		TREA		RESUME	
asing Size;/	Tubing Si	ize Shots/F	=t	Acto 37	SV Mrs	32. F		ESS	ISIP	
epth SS S	Depth	From	То	Pre Pad	Sec. da.	Мах)	2.00	5 Min.	
olume	Volume	From	То	Pad		Min			10 Min.	
lax Press,	Max Pres	s From	То	Frac		Avg			15 Min.	
/ell Connectio	n Annulus V	Vol. From	То			HHP Used			Annulus F	Pressure
lug Depth . 9	7 Packer D	epth From	То	Flush 91.	8	Gas Volum	e		Total Load	l
ustomer Rep	resentative	luse Per	arson Sta	tion Manager DA.	6 Score		Treater /	hids ma	97 m	
ervice Units	86531		8-9-51 19	843	70897	19578		3046	1 375	47
ames	(MATTHE	Tubing	HANSU	$J_{\frac{1}{2}}, \ldots, J_{\frac{1}{2}} = \dots = \dots$	MA	f e se e r e				
Time	Pressure	Pressure	Bbls. Pumped	Rate		•	Sen	vice Log		
7.30			· · · · ·		On 1	DrAtion	1 SAL-	my me	-10-3	
4.00					Kun 8	1/5 20	1ª raying	42.1	58 540	0 71
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7.18				Desi sun ante	if elcas	- 1º 144				
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7:45	425	\rightarrow	52	3.	5100	ritic				
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Taylor Printing, Inc. 620-672-3656



ENLINGY ALEVICES

Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Job Log

Customer	7	OBRIEN ENERG	ŝΥ		Cement Pump N	.: 38119-19570		Operator TRK No.: 7		39	
Address	:				Ticket	#: 1718	3-14247 L	Buik TRK No.:	70897-19578		
City, State, Zip;	:		Јођ Тур			181	Z-41 PTA				
Service District:	:	· · · · ·			Well Typ	ie:		OIL			
Well Name and No.	:	HUSH 3-16			Well Locatio	ini 16-33-:	30 County:	MEADE	State:	KS	
Туре	of Cmt	Sacks			Additives	;		Truck Loa	ided On		
60/40	POZ	160			4%GEL		70897	-19578	Front	Back	
									Front	Back	
		•							Front	Back	
Lead	/Tail:	Weight #1 Gal.	Cu/l	=t/sk	Water Re	equirements	CU. FT.	Man I	lours / Persor	nnel	
Lea	ad:	13.5	1	.5		7.5	240	Man Hours:	6		
ia		-						# of Men on Job:	3		
Time		(BBLS)	Pu	mps C	Pre	ssure(PSI)		escription of Opera	tion and Materials		
8:00		(0000)			100119	Casing	0	NLOC SAFT	YMTGRU		
10:53	4	10			150	-		H2O SP	ACER		
10:58 AM	4	13.35			180	,,		MIX 50 SX	@ 1515'		
11:03 AM	4	3.5			50			H2O SP	ACER		
11:05 AM	8	14			70			MUD DISPLA	CEMENT		
11:44	4	15			140			H2O SP	ACER		
11:49	4	10.7			150			MIX 40 SX	@ 650'		
11:52 AM	4	3.5			50			H2O SP	ACER		
13;09	2	5						PLUG @ 60'	W/ 20SX		
13:15								PLUG R&M	W/50 SX		
						<u> </u>		JOB COM	PLETE		
							THANK	YOU FOR YO	UR BUSINES	SIII	
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Size & WL Csg.		Depth			New / Licod		Docker				
fbg.		Depth		-+	New / USeu		Packer				
Top Plugs				-	· · · ·		Perfe				
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•		1/				Date of Service	e:		1/14	~	

O'Brien Energy Resources, Inc. Hush No. 3-16, Bruno Field Section 16, T33S, R30W Meade County, Kansas February, 2017

Well Summary

The O'Brien Energy Resources, Corporation, Hush No. 3-16, Bruno Prospect, was drilled to a total depth of 6325' in the Mississippian St. Louis Formation without any problems. It offset the Hush No. 2-9 by approximately 800' to the South. The Heebner came in 4' low relative to this offset. The Lansing, Marmaton and Cherokee ran 2', 3' and 9' low respectively. The Morrow came in 1' low and the Chester 24' low. The St. Louis, 8' high.

No Morrow "A" or "B" Sandstones were noted in the Hush No. 3-16. A Lower Morrow Sandstone with show was documented(5742' to5753') and consists of a Sandstone in up to 30% of the samples: Light brown, salt and pepper, speckled green, occasionally mottled gray, hard to friable in part, very fine upper to fine lower well sorted round grains, calcite and some clay cement with infill, glauconitic, pyritic, fair to occasionally good intergranular porosity, occasional vuggy porosity, very dull dark brown hydrocarbon fluorescence, fair bleeding to occasional good streaming cut, trace oil stain, no gas bubbles or odor, weak show relative to productive oil sands in the area, and interbedded with Shale. 220 to 450 Unit gas kicks were documented.

This interval was drill stem tested(5722'-5772') and recovered gas to surface in 48 minutes of the final flow period and was too small to measure.

A very Upper Morrow Sandstone with a slight show was noted from 5674' to 5676'. A 110 Unit gas increase was documented(attached mudlog).

Typical shows and of low quality were documented in the Basal Chester/Ste. Genevieve. The Hush No. 3-16 was plugged and abandoned 2/7/17.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator:	O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH Geologist: Paul Wiemann – Denver, CO
Prospect Geologist:	Ed Schuett, David Ward
Well:	Hush No. 3-16, Bruno Field
Location:	700' FNL & 660' FEL, Section 16, T33S, R30W, Meade County, Kansas – 5 miles South of Plains.
Elevation:	Ground Level 2730', Kelly Bushing 2743'
Contractor:	Duke Drilling Rig No. 7, Type: Double jacknife, triple stand, Toolpusher Gaylen Roach, Drillers:
Company Man:	Roger Pearson – Liberal, Kansas
Spud Date:	1/27/17
Total Depth:	1/5/17, Driller 5360', Logger 5356', Mississippi St. Louis
Casing Program:	35 joints of 8 5/8", J55, 24Lbs/ft, set at 1464'.
Mud Program:	Winter Mud, engineer Drew Smith, Theran Hegwood, displaced 2642' with Chemical Gel/LCM.
Wellsite Consultant:	Peter Debenham with mudlogging trailer, Call depth 3000', Box 350, Drake, CO 80515, 720/220-4860.
Samples:	30' samples to 5600', 20' to td.
Electric Logs:	Weatherford, engineer Adam Sill, 1)Dual Induction 2) Compensated Neutron Litho Density 3) Microlog – high res. repeat.
Drillstem Testing:	Trilobite Testing, Engineer Leal Cason, Straddle Test No. 1(5722'-5772'), Lower Morrow Sandstone.
Status:	Plugged and abandoned 2/7/17.

WELL CHRONOLOGY

DATE DEPTH FOOTAGE RIG ACTIVITY

1/27 150' 150' Move to location and rig up rotary tools. Mix spud mud. Drill rathole and mousehole. Spud in 12 ¹/₄" surface hole(8:30pm). to 150'.

1/28 1095' 945' To 570' and trip for balled bit. Clean pits and service rig. Trip in with tooth bit and drill to 1095'. Surveys($1/4 - \frac{3}{4}$ deg.).

1/29 1490' 395' Surveys(3/4 deg.). To 1490' and circulate, jet cellar and spot mud. Wiper trip 16 stands and circulate. Drop survey(3/4 deg.) and trip out and lay down 8" drill collars. Run and cement 35 joints of 8 5/8", 24 lbs/ft, tally at 1464'. Plug down 8pm, with Basic Services.

1/30 1995' 505' Wait on cement. Trip in collars and pressure test BOP. Trip in and tag cement and drill plug and cement and 7 7/8" hole to 1659' and trip for Bit no. 4. Rechain BOP and work on shale shaker. Surveys(1 deg.).

1/31	2877'	882'	Surveys $(3/4 - 1 \text{ deg.})$. Displace mud system at 2642'.
2/1 Survey(1	3570' ¹∕₂ deg.).	693'	Trip for hole in pipe at 2877' and replace valve seat. Jet cellar.
2/2	4445'	875'	Surveys($1/4 - \frac{1}{2}$ deg.). Service and jet.
2/3 To 5190'	5190'	745'	Service rig. Survey(1deg.). To 5020' and circulate and wiper trip.
2/4	5950'	760'	Adjust breaks. Survey(3/4 deg.).
2/5 6. survey(3/	325'TD ′4 deg.) and t	rip for logs.	To TD and circulate and wiper trip 60 stands and circulate. Drop
2/6 T straddle t	D est(5722'-57	375' 72'), Lower M	Trip out for logs and run ELogs. Wait on orders. Trip in and run orrow Sandstone.

2/7 TD Pull test tool. Trip in and circulate. Trip out laying down and plug and abandon well. Rig down.

DEVIATION RECORD - degree

316' ³/₄, 680' ¹/₂, 901' ¹/₄, 1490' ³/₄, 1913' 1, 2324' ³/₄, 2547' ³/₄, 3055' 1, 3341' 1 ¹/₂, 3689' ¹/₂, 4005' ¹/₄, 4574' 1, 4861' 1, TD ³/₄

BIT RECORD

<u>NO.</u>	MAKE	TYPE	<u>SIZE</u>	<u>OUT</u>	FOOTAGE	HOURS
1	PDC	PDC	12 ¼"	570'	570'	6
2	Tooth	PLD-RR RT	7 7/8"	1490'	920'	20
3	J2	RR BB	7 7/8"	1659'	169'	4 ³ ⁄4
4	PDC	J2	7 7/8"	6325'	4666'	108 ¾
				Total Rota	ting Hours:	138 ¾ 45 6 Et/br

Average:

138 3/4 45.6 Ft/hr

MUD PROPERTIES

DATE	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>рН</u>	<u>WL</u>	<u>CL</u>	<u>LCM-</u> LBS/BBL
1/27	0'	8.3	make	up wat	er				
1/28	610'	9.5	35	8	12	8.0	nc	2K	8
1/29	1406'	10.3	38	12	17	8.0	nc	7.5K	18
1/30	1490'	8.4	28	1	1	10.0	nc	3.5K	
1/31	2400'	9.8	30	4	7	8.5	nc	65K	
2/1	3119'	9.0	43	12	19	9.5	22	8.5K	4
2/2	4000'	9.3	45	12	13	9.5	16.0	6.5K	4
2/3	4861'	9.2	40	11	4	10.0	6.8	4.7K	4
2/4	5555'	9.3	45	14	8	10.0	7.6	5K	4
2/5	6201'	9.4	48	18	14	10.0	6.8	4K	6

ELECTRIC LOG FORMATION TOPS- KB Elev. 2743'

			<u>*Hush No. 2-9</u>		
FORMATION	DEPTH	DATUM	DATUM	POSITION	
Surface Casing	1483'				
Heebner	4398'	-1655'	-1651'	-4'	
Toronto	4421'	-1678'	-1676'	-2'	
Lansing	4494'	-1751'	-1748'	-3'	
Marmaton	5166'	-2423'	-2414'	-9'	
Novinger Interval	5238'	-2495'	-2488'	-7'	
Cherokee	5334'	-2591'	-2589'	-2'	
Atoka	5624'	-2881'	-2881'	0'	
Morrow	5669'	-2926'	-2925'	-1'	
Lower Morrow SS	5742'	-2999'	na		
Mississippi Chester	5765'	-3022'	-2998'	-24	
Basal Chester	5965'	-3222'	-3226'	+4'	
Ste. Genevieve	6015'	-3272'	-3271'	-1'	
St. Louis	6171'	-3428'	-3436'	+8'	
TD	6329'	-3586'			

*Hush No. 2-9, 100' FSL & 660' FEL, sec. 9 – app. 800' to the North, KB Elev. 2742'.

DRILL STEM DATA

<u>DST N</u>	<u>[O.1:</u> (5722'-57	72'), Lower Morrow Sandstone					
Type: Straddle Test Times: 30-60-60-120							
PERIC	D <u>TIME</u>	<u>PSI</u>					
IH		2933					
IF	30	76 - 138					
ISI	60	1185					
FF	60	38 - 42					
FSI	120	1768					
FH		2911					
BHT	126 deg. F.						

BLOWS: IF – Fair, bottom of bucket in 20 minutes. ISI – Blowback, bottom of bucket in 46 minutes. FF – Strong, bottom of bucket in 10 seconds, gas to surface in 48 minutes, burns – too small to measure. FSI – 1" blowback.

RECOVERY: Gas to surface in 48 minutes of FF period. 65' of gas cut mud(5% gas, 95% mud).

	DRILL STEM TES	T REP	ORT		
	O'Brien Energy		16-33S-3	0W Mead	9
ESTING , INC	18 Congress St Ste 207		Hush 3-1	6	
	Portsmouth, NH 03801		Job Ticket:	63561	DST#:1
MOK.	ATTN: Roger Pearson		Test Start:	2017.02.06	@ 12:39:51
GENERAL INFORMATION:					
Formation:MorrowDeviated:NoWhipstock:Time Tool Opened:15:30:06Time Test Ended:23:56:06	ft (KB)		Test Type: Tester: Unit No:	Convention Leal Casol 74	nal Straddle (Initial) n
Interval: 5722.00 ft (KB) To 57	72.00 ft (KB) (TVD)		Reference	Elevations:	2743.00 ft (KB)
Total Depth: 6329.00 ft (KB) (T Hole Diameter: 7 88 inches Hole	VD) Condition: Good		к	B to GR/CE	2730.00 ft (CF)
					10.00 11
Serial #: 8159 Inside	@ 5723 00 ft (KP)		Capacity		8000 00 pairs
Start Date: 2017.02.06	End Date:	2017.02.06	Last Calib.:		2017.02.07
Start Time: 12:39:52	End Time:	23:56:06	Time On Btm:	2017.02.0	6 @ 15:28:36
			Time Off Btm:	2017.02.0	6 @ 20:06:36
IEST COMMENT: IF: Fair Blow, BC ISI: Blow Back B FF: Strong Blow FSI: 1 Inch Blow	TEST COMMENT: IF: Fair Blow, BOB in 20 minutes ISI: Blow Back Built to BOB in 46 minutes FF: Strong Blow, BOB in 10 seconds, GTS in 48 min FSI: 1 Inch Blow Back				
Pressure vs. 7	Time Tome 8199 Temperature	Time	PRESS		MARY
		(Min.)	(psig) (deg	F)	luon
2200		0	2933.59 120.4	40 Initial Hyd	dro-static
: 3 7		2	76.62 119.	73 Open To 43 Shut-In(1	Flow (1)
		92	1185.08 122.	71 End Shut	t-ln(1)
		93	38.38 122.4	40 Open To	Flow (2)
Ē ː _ ᢤ≱ ↓ /		152 272	42.54 122.	96 Shut-In(2 17 End Shut	2) t-ln(2)
		272	2911.48 127.	14 Final Hyd	dro-static
3FM 8FM 8 Man Feb 2017 Time (Hours)	97M 7 Tue				
Recovery	Gas Ratas				
Length (ft) Description	Volume (bbl)		Cho	ke (inches) Pres	ssure (psig) Gas Rate (Mcf/d)
0.00 5635 GIP	0.00		I	I	I
65.00 GCM 5%G 95%M	0.32				
	ļ				

	DRILL STEM TES	T REPO	DRT		
	O'Brien Energy		16-338-30	W Meade	
ESTING , INC	18 Congress St Ste 207		Hush 3-16		
	Portsmouth, NH 03801		Job Ticket: 6	3561 DST	#:1
	ATTN: Roger Pearson		Test Start: 2	2017.02.06 @ 12:39:5	1
GENERAL INFORMATION:					
Formation:MorrowDeviated:NoWhipstock:Time Tool Opened:15:30:06Time Test Ended:23:56:06	ft (KB)		Test Type: Tester: Unit No:	Conventional Straddle Leal Cason 74	ə (Initial)
Interval: 5722.00 ft (KB) To 57	772.00 ft (KB) (TVD)		Reference E	levations: 2743.	00 ft (KB)
Total Depth: 6329.00 ft (KB) (T Hole Diameter: 7.88 inches Hole	VD) e Condition: Good		KB	2730.1 to GR/CE: 13.1	00 ft (CF) 00 ft
Serial #: 6806OutsidePress@RunDepth:psigStart Date:2017.02.06Start Time:12:39:52	 @ 5723.00 ft (KB) End Date: End Time: 	2017.02.06 23:56:21	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000. 2017.02.	00 psig 07
TEST COMMENT: IF: Fair Blow , BC ISI: Blow Back B FF: Strong Blow FSI: 1 Inch Blow Pressure vs. 1	DB in 20 minutes Built to BOB in 46 minutes , BOB in 10 seconds, GTS in 48 mir Back Finne	nutes, TSTM, (Caught Sample	RE SUMMARY	
0806 Pressure	6806 Temperature 130	Time	Pressure Temp	Annotation	
3000 2000 2000 2000 2000 2000 2000 2000	Timperius (idg r) 90 90 90 90 90 90 90 90 90 90 90 90 90	(Min.)	(psig) (deg F)		
Recovery			Ga	as Rates	
Length (ft) Description	Volume (bbl)		Choke	(inches) Pressure (psig)	Gas Rate (Mcf/d)
0.00 5635 GIP	0.00				
65.00 GCM 5%G 95%M	0.32				

	DRILL STEM TES	T REPOI	RT		
	O'Brien Energy		16-33S-30W N	leade	
ESTING , INC	18 Congress St Ste 207		Hush 3-16		
	Portsmouth, NH 03801		Job Ticket: 6356	1 DST#: 1	
	ATTN: Roger Pearson		Test Start: 2017.	02.06 @ 12:39:51	
GENERAL INFORMATION:					
Formation:MorrowDeviated:NoWhipstock:Time Tool Opened:15:30:06Time Test Ended:23:56:06	ft (KB)		Test Type: Con Tester: Lea Unit No: 74	iventional Straddle (Initial) I Cason	
Interval: 5722.00 ft (KB) To 57	72.00 ft (KB) (TVD)		Reference Elevat	tions: 2743.00 ft (KB)	
Iotal Depth: 6329.00 ft (KB) (1) Hole Diameter: 7.88 inchesHole	VD) e Condition: Good		KB to G	2730.00 ft (CF) R/CF: 13.00 ft	
Serial #: 8358 Below (Straddle) Press@RunDepth: psig @ 5790.00 ft (KB) Capacity: 8000.00 psig Start Date: 2017.02.06 End Date: 2017.02.06 Last Calib.: 2017.02.07 Start Time: 12:39:52 End Time: 23:56:06 Time On Btm: Time Off Btm:					
TEST COMMENT: IF: Fair Blow , BC ISI: Blow Back B FF: Strong Blow FSI: 1 Inch Blow Pressure vs. 1	DB in 20 minutes uilt to BOB in 46 minutes , BOB in 10 seconds, GTS in 48 mir Back Sime	nutes, TSTM, Caught Sample PRESSURE SUMMARY			
3000	838 Temperature 130	Time F	Pressure Temp A	Annotation	
200 200 200 500 500 500 500 500		(Min.)	(psig) (deg F)		
Recovery	Gas Rates				
Length (ft) Description	Volume (bbl)		Choke (inche	s) Pressure (psig) Gas Rate (Mcf/d)	
0.00 5635 GIP 65.00 GCM 5%G 95%M	0.00 0.32		·		

Printed: 2017.02.07 @ 07:25:52

Ref. No: 63561

Trilobite Testing, Inc



Hush 3-16

Serial #: 8159

Inside

O'Brien Energy

DST Test Number: 1

Printed: 2017.02.07 @ 07:25:52

Ref. No: 63561

Trilobite Testing, Inc



Hush 3-16

DST Test Number: 1

Serial #: 6806 Outside O'Brien Energy

Printed: 2017.02.07 @ 07:25:52

Ref. No: 63561



Hush 3-16

Serial #: 8358

Below (StradBite) Energy

DST Test Number: 1