KOLAR Document ID: 1655521

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 #	_ API No.:
Name:	_ Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from
Contact Person:	_ Footages Calculated from Nearest Outside Section Corner:
Phone: ()	_ NE NW SE SW
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
Gas DH EOR	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? Yes No
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 Produce	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Dual Completion Permit #:	
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R ☐ East ☐ West
Recompletion Date 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 Approved by: Date:							

KOLAR Document ID: 1655521

Page Two

Operator Name: _				Lease Name:			Well #:		
Sec Twp.	S. R.	E	ast West	County:					
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,	
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log	
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample	
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No						
		B	CASING eport all strings set-c		New Used	ion, etc.			
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD				
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives				
Perforate Protect Casi Plug Back T									
Plug Off Zor									
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,	
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	on	Oil Bbls.							
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom	
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT	
,	,			B.11 B1					
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record	
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:					
TODING RECORD:	. 3126.	Set	n.	i donei Al.					

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	LARRABEE 6-4
Doc ID	1655521

Tops

Name	Тор	Datum
Heebner	4428	-1890
Toronto	4450	-1912
Lansing	4584	-2046
Marmaton	5223	-2685
Cherokee	5432	-2894
Morrow	5756	-3218
Chester	5866	-3328
Ste. Genevieve	6184	-3646

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	LARRABEE 6-4
Doc ID	1655521

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	1487	Class A		2%cc,1/4# floseal
Production	7.875	4.5	10.5	6256	Class H	150	10% salt

Duke Drilling Company, Inc. Daily Drilling Record

		Bend, F	Kansas	, The				7.2	
	S ENDING AT M				,				10
	0'3ren			LEA		6114h66		_WELL NO	6 7
SECTION	TOWNSH	IIP34	RANGE	29county_	*	Milde	**************************************	STATE	
IF IN	JURED: SIGN A	ND DESC	RIBE INJURY U	INDER REMARKS			WE HAVE NOT	BEEN INJURED	THIS DAY
	LLED	FEET		FORMATION		240 mai			
129	789	Colol	3.11	Com.		DRILLER	Carlo, 1	Covere 8	
			Rel 25	30		DERRICKMAN	Forhacis	aurera 8	
			1616 40			MOTORMAN	Josies Ru	mo, 8	
						MOTORMAN	DOVING V		
						HELPER	301910	Novovio 8	
					•				
BBULUIA	DITE	0.1.0	500DF			HELPER	DESIGNA	ION SURVEY	DEGREES OFF
DRILLING RUN NO.	BIIS	CASING R	17.	BOTTOMED AT	/ 120	CEMENT USED			
SIZE	12 14	REMARKS			757		6:30 5,0	'S Work	61 09 P.
MAKE	PDC	1.15		15 F1 285-		6/).	6 10 011		
SERIAL NO.	551488	63	0 1/60	Dilg 11 75	/				
SERIAL NO.	4-16 3 12	7/	< 3/4	-/) /	1/2	SR 14	1/2	Work on 411
160	6/1	0.15	3 -71	. `	214/	12	9 (/ /	12	on ern
FROM DRI	LLED	FEET		FORMATION		240 mrt	0		a
769	1451	662	S.M. Co	nn		DRILLER	Saul	Garcia	8
			11 11 71	_			Al. M	60	
			HVII 70	J		DERRICKMAN	NINO TI	ario bai	119
						MOTORMAN	Salvad	or Gon	iez 8
							*		0
	*					HELPER	Julian	Rodrigues	e 8
						HELPER			
DRILLING	BITS	CASING R	ECORD: SIZE	BOTTOMED AT		CEMENT USED	DEFLECT	ION SURVEY	DEGREES OFF
RUN NO.		The same of the sa	7:00 1	2:15 Drig	e 789	9-1270	12:15	- 12:30.	5.Rig
SIZE	12114		7-3:00		70-1	451			
MAKE	D11988								
SERIAL NO. SERIAL NO.	4-16-3-12								
H.O.Bit	12 3/4	Drl	9614 5	· Rig 114	Cov	nn 1'	12		
DRI	LLED	FEET		FORMATION					
FROM	1497	UKILLED U/6	SM	0000		240mrt DRILLER	Alein	V orb	8
	////	10		nor top.	1.5	DRIEDER			0
			Set 3774	89/8 240 54	ta	DERRICKMAN	Kosend	o de lac	ry J
			1483.	210 0 00/1/	12 4		-	111	9
		(29 chat	1 E 2760 X	365m5	MOTORMAN	Txeque	1 de la bro	
			1500x A 20	Short 1/2 CF		HELPER	Carlos	(W3	8
			Plugdow	ne 11:00PM				Em	
			CIRC CE	ment		HELPER		1110	7 27
DRILLING	BITS	CASING R	ECORD: SIZE	BOTTOMED AT	1//	CEMENT USED	DEFLECT	ION SURVEY / 4 9	DEGREES OFF
RUN NO.	12/1/4	REMARKS	3:00 -	3:15 Vala	1451-	1497 3	:15-3:45 (TUITIWIVER	tap.
MAKE	000	3:45-	5:45 sh	port trip	5:15-	5:45 (7(4 1/1 m	39 83/8 6:	45 - 7:00
SERIAL NO.	771988	701/1		0-9:13 RV (sg UK	un(sig 9	1:15-9:45	KV Come	nto of Circ.
SERIAL NO.	4-163-12	9:	45- 11:00	31. 1			\ .		
100. NI	12	\/ \\).1	147000	11111	01/	Realia		The second second



QUASAR ENERGY SERVICES, INC.

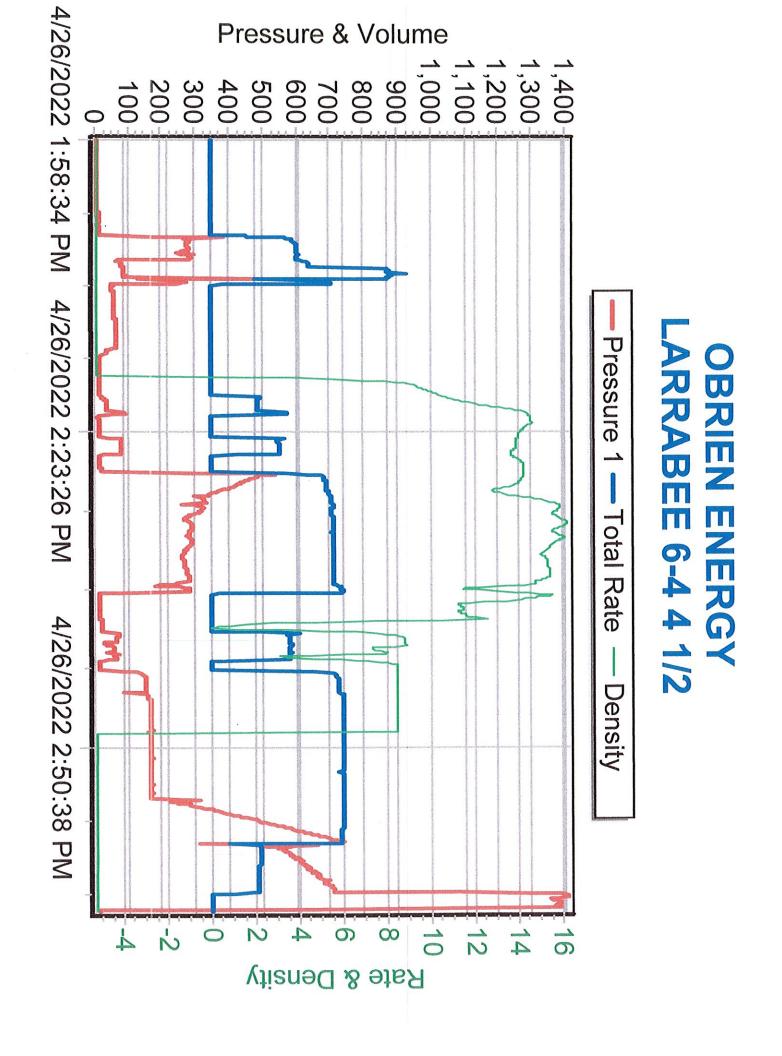
3288 FM 51 Gainesville, Texas 76240 Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2J

4/26/22 CEMENTING JOB LOG

CEMENTING JOB LOG OBRIEN ENERGY RESOURCES CORP. Company: Well Name: LARRABEE 6-4 Type Job: LONG STRING AFE #: **CASING DATA** Size: 4 1/2 Grade: J-55 Weight: 10.5 **Casing Depths** Top: 0 Bottom: 6258 Drill Pipe: Size: 0 Weight: 0 Tubing: 0 Size: Weight: 0 Grade: 0 TD (ft): 6258 Open Hole: 77/8 Size: T.D. (ft): 6258 Perforations From (ft): To: Packer Depth(ft): **CEMENT DATA** Spacer Type: **MUD FLUSH** ft 3/sk Amt. 420 GAL Sks Yield Density (PPG) LEAD: CLASS A 60/40/4 RAT AND MOUSE **Excess** Amt. 50 Sks Yield 1.54 ft 3/sk Density (PPG) 13.51 TAIL: CLASS H 10%GYP, 10%SALT, .5%C15, 2#TACTICAL BLITZ **Excess** ft 3/sk Amt. 150 Sks Yield 1.5 Density (PPG) 14.8 WATER: Lead: 7.5 gals/sk: 9 Tail: 7.3 gals/sk: 26 Total (bbls): 35 Pump Trucks Used: 210-DP11 **Bulk Equipment:** 189 660-21 Disp. Fluid Type: KCL Amt. (Bbls.) 98.8 Weight (PPG): Mud Type: Weight (PPG): **COMPANY REPRESENTATIVE: RODNEY GONZALES CEMENTER:** Chad Hinz TIME PRESSURES PSI FLUID PUMPED DATA **REMARKS** AM/PM Casing **Tubing ANNULUS TOTAL** RATE 1130 ON LOC 1330 TRUCKS ON LOC, SAFTEY MTG, R.U. 1406 300 4 PUMP MUD FLUSH 1418 10 PLUG RAT AND MOUSE 1427 360 5.3 START MIXING 1438 41 SHUT DOWN, DROP PLUG, WASHUP 1443 150 6 START DISPLACEMENT 1458 510 89 2 **SLOW RATE** 1503 700-1430 99 PLUG DOWN 1505 RELEASE PSI, FLOAT HELD JOB COMPLETE THANK YOU FOR YOUR BUSINESS!!!



O'Brien Energy Resources, Inc. Larrabee No. 6-4, Mohler Field Section 4, T34S, R29W Meade County, Kansas **April**, 2022

Well Summary

The O'Brien Energy Resources, Corporation, Larrabee No. 6-4 was drilled to a total depth of 6250' in the Ste. Genevieve Formation without any problems. It was drilled approximitaly 1000' East to the Larrabee No. 1-4. Formation tops ran relatively even to this offset. The Heebner to the Atoka came in 1' to 4' low, the Morrow, 2' high.

Numerous quality hydrocarbon show were documented during the drilling of this test. The Morrow "A"(5790'-5794') and Morrow "B"(5808'-5822') Sandstones consists of a Sandstone in 10% of the samples: Medium to light brown, firm to hard, slightly friable, fine lower to medium lower well sorted subround grains, slightly calcareous, trace to fair intergranular porosity, fine vuggy porosity, light brown oil stain, trace live oil, dull goldbrown hydrocarbon fluorescence, slow streaming cut, with very glauconitic speckled sandstone with no show. 250 Unit gas kicks were documented.

The Rickers Ranch Sandstone (5992'-6000): Medium brown, occasionally light brown to clear, salt and pepper, slightly glauconitic, fine lower to upper well sorted subround grains, calcareous, trace intergranular and fine vuggy porosity, very dull gold brown hydrocarbon fluorescence, weak streaming cut, slight oil odor. A 325 Unit gas kick was recorded.

The Singley West Sandstone(6082'-6088'): Medium brown, friable, brittle, fine well sorted subround to round grains, slightly pyritic, good intergranular porosity, bright bluegreen hydrocarbon fluorescence(all SS) excellent streaming cut, live oil show and oil odor, excellent show. A 225 Unit gas kick was recorded on the hotwire.

Excellent shows and gas kicks(1800 Units) were documented in the Basal Chester section(6110'-6155'): Dolomite: Medium to dark mottled brown, moderate to coarsely crystalline, sucrosic to granular, very sandy, argillaceous to marly, good intgranular and occasional course vuggy porosity, very dull goldbrown hydrocarbon fluorescence, excellent streaming cut, oil odor and live oil.

Addition minor shows occurred in the lower Lansing/Novinger and Chester Limestones(attached mudlog).

4 1/2" production casing was run on the Larrabee No. 6-4 on 4/26 to evaluate the above mentioned shows.

Respectfully Submitted

WELL DATA

Operator:

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

Geologist: Joe Forma, Ed Schuett, David Ward

Well:

Larrabee No. 6-4, Mohler Field

Location:

450' FNL & 340' FEL, Section 4, T34S, R29W, Meade County, Kansas -

South of Meade.

Elevation:

Ground Level 2526', Kelly Bushing 2538'

Contractor:

Duke Drilling Rig No. 1, Type: Double jacknife, double stand, Toolpusher Mike

Godfrey, Drillers: Brothers Carlos and Saul Garcia and Henry Daiz

Company Man:

Rodney Gonzales

Spud Date:

4/18/2022

Total Depth:

4/25/2022, Driller 6250', Logger 6258', Ste. Genevieve

Casing Program:

8 5/8" J55 24 lbs/ft STC set at 1487'. 4 ½" production casing set to TD, cement

did circulate.

Mud Program:

Winter Mud, engineer Paul White, displaced 2600', Chem. gel/LCM.

Wellsite Consultant: Peter Debenham, Call depth 3000', Box 350, Drake, CO 80515, 720/220-4860.

Mudlogging Trailer: Austin Gardner, MBC Logging, Meade

Samples:

30' to 4600', 20' to 5200', 10' to TD.

Electric Logs:

Wireline Solutions engineer Hector Garcia, Array Induction, Compensated

Neutron/Density, Microlog, Hi Res.

Status:

4 ½" production casing set to TD on 4/26/2022.

BIT RECORD

<u>NO.</u>	MAKE	TYPE	SIZE	<u>OUT</u>	FOOTAGE	HOURS	
1		PDC LL5	12 1/4"	1497'	1497'	13	
2		JZ516	7 7/8"	5838'	4341'	76 ¾	
3		TX616	7 7/8"	6250'	415'	13 1/4	
		Rotating Hours:					
1				Av	erage:	60.7 Ft/hr	

DEVIATION RECORD - degree

1497' ¾, 2491' ¾, 3436' 1, 5838' 1, 6250' 1 ¼

MUD PROPERTIES

<u>DATE</u>	DEPTH	$\underline{\mathbf{WT}}$	<u>VIS</u>	<u>PV</u>	<u>YP</u>	$\underline{\mathbf{WL}}$	<u>Hq</u>	<u>CL</u>	LCM-LBS/BBL
4/19	791'	9.4	32	7	12	100	7.5	3600	10
4/20	1491'	8.3	26				7.5	6000	
4/21	2655'	8.6	46	15	14		11	6000	4
4/22	3992'	8.9	39	11	10	10.6	11	1200	4
4/23	4940'	9.1	40	12	9	11.0	11	1200	6
4/24	5629'	9.0	55	17	12	7.0	11	2000	7
4/25	6120'	9.0	55	17	11	8.0	10.5	3000	7

ELECTRIC LOG FORMATION TOPS- KB Elev. 2538'

			<u>*Larrabee N</u>	<u>o. 1-4</u>
FORMATION	DEPTH	<u>DATUM</u>	<u>DATUM</u>	POSITION
Heebner	4428'	-1890'	-1882'	-8'
Toronto	4450'	-1912'	-1908'	-4'
Lansing	4584'	-2046'	-2050'	-4'
Marmaton	5223'	-2685'	-2682'	-3'
Novinger	5300'	2762'		
Cherokee	5432'	-2894'	-2892'	-2'
Atoka	5624'	-3086'	-3085'	-1'
Morrow	5756'	-3218'	-3220'	+2'
"A" SS	5790'	3252'		
"B" SS	5808'	-3270'		
Mississippi Chester	5866'	-3328'		
Rickers Ranch SS	5992'	-3454'		
Singley West SS	6082'	-3544'		
Basal Chester	6136'	-3598'		
Ste. Genevieve	6184'	-3646'		
TD	6250'			

^{*}Larrabee No. 1-4, 330' FNL & 1320' FEL, Sec. 4, KB Elevation 2550', app. 1000' to the West.

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



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

Laura Kelly, Governor

Dwight D. Keen, Chair Susan K. Duffy, Commissioner Andrew J. French, Commissioner

August 24, 2022

Joseph Forma O'Brien Energy Resources Corp. 18 CONGRESS ST, STE 207 PORTSMOUTH, NH 03801-4091

Re: ACO-1 API 15-119-21464-00-00 LARRABEE 6-4 NE/4 Sec.04-34S-29W Meade County, Kansas

Dear Joseph Forma:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 04/18/2022 and the ACO-1 was received on August 18, 2022 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

FRACTURING | ACID | CEMENT |



NITROGEN

BID #:	5257			AFE#/PO#: 0			distributions	I			
TYPE / PUR	RPOSE OF JO	DB:	SURFACE			SERVICE POINT:	Liberal, KS				
CUSTOMER	R: OBRI	EN ENE	RGY RESOURCE	S CORP		WELL NAME:	LARRABEE #6-4	ı			
ADDRESS:	18.00	ONGRE	SS ST, STE 207			LOCATION:					
	10.0	OTTOTAL	3331,312.201				MEADE, KS				
CITY:	-			STATE:	ZIP:	COUNTY: N	1EADE	STATE: KS			
DATE OF SA	ALE:	4/18/	/2022								
QTY.	CODE	YD	UNIT	PUMPING AND EQU	JIPMENT USE	D		UNIT PRICE	AN	NOUNT	
40	1000	L	Mile	Mileage - Pickup - P	er Mile			\$5.31	\$	212.40	
120	1010	L	Mile	Mileage - Equipment		Mile		\$8.30	\$	996.00	
1	5622	L	Per Well	Pumping Service Cha	arge -1			\$2,315.25	\$	2,315.25	
1	6030	L	Per Well	Plug Container				\$330.75	\$	330.75	
1	4780	L	Each	Guide Shoe 8 5/8"				\$515.97	\$	515.97	
1	4850	L	Each	Auto Fill Tube 8 5/8	3"			\$105.84	\$	105.84	
1	4880	L	Each	Insert Float 8 5/8"				\$396.90	\$	396.90	
1	4900	L	Each	Top Rubber Plug 8	5/8"			\$91.88	\$	91.88	
6	4920	L	Each	Centralizers 8 5/8"				\$92.61	\$	555.66	
					Sub	total for Pumping a	& Equipment	Charges	\$	5,520.65	
QTY.	CODE	YD	UNIT	MATERIALS				UNIT PRICE	AN	IOUNT	
515	5630	L	Per Sack	Cement - Class A				\$16.54		8,518.10	
1,000	5770	L	Per Lb.	Calcium Chloride				\$1.46		1,460.00	
121	5800	L	Per Lb.	Cello Flakes-Poly Fla	ke 1/8" cut			\$2.65	\$		
700	5850	L	Per Lb.	Gypsum				\$1.00	\$	700.00	
700	5900	L	Per Lb.	Sodium Metasilicate	(SMS) C-45			\$2.32	\$	1,624.00	

MΔ	NHOURS:	48	# WO	RKERS: 4		Subtoto	I for Material	Chargos	\$ '	12,622.75	
			WORKERS			Jubiola		TAL \$		18,143.40	
KIRBY H	IARPER	CAF	RLOS IBARRA		DISCOL	JNT: 15%	DISCOL			2,721.51	
ANGEL EC	HEVARIA]			DUNTED TO			15,421.89	
NOEL	LEON										
STAMPS	& NOTES	S:				As of 9/22/15 any invo the invoice date. After invoice will reflect full	60 days the dis				
						CUS	OMER SIGN	IATURE & DA	TE		
						Signature:	war.	U Date:	4-1	19- 27	
*All accounts month or 18%	are past due	net 30 d entage r	lays following the	date of invoice. A finance chard d on all past due accounts.	ge of 1-1/2% per	2	And I	, C 0/-	. 10	,,	



CEMENTING JOB LOG

QUASAR ENERGY SERVICES, INC.

3288 FM 51 Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2J

4/18/22 CEMENTING JOB LOG

Company: **OBRIEN ENERGY RESOURCES CORP** Well Name: LARRABEE #6-4 Type Job: **SURFACE** AFE #: 0 **CASING DATA** Size: 8 5/8 Grade: J55 Weight: 24 Casing Depths Top: 39.73 Bottom: 1487 Drill Pipe: Size: 0 Weight: 0 Tubing: Size: 0 Weight: 0 Grade: 0 TD (ft): 1497 Open Hole: Size: 12 1/4 T.D. (ft): 1497 Perforations From (ft): 0 To: Packer Depth(ft): 0 **CEMENT DATA** Spacer Type: ft 3/sk Amt. Sks Yield Density (PPG) CLASS A -- 2% CC, 2% SMS, 2% GYP, 1/4# CELLFLAKE LEAD: **Excess** ft 3/sk Amt. 365 Sks Yield 2.92 Density (PPG) 11.4 TAIL: CLASS A -- 2% CC, 1/4# CELLFLAKE Excess Amt. $ft^3/_{sk}$ 150 Sks Yield 1.19 Density (PPG) 15.6 WATER: Lead: gals/sk: 18 Tail: gals/sk: 5.2 Total (bbls): Pump Trucks Used: 110 - DP07 **Bulk Equipment:** Disp. Fluid Type: FRESH WATER Amt. (Bbls.) Weight (PPG): 8.33 Mud Type: Weight (PPG): COMPANY REPRESENTATIVE: RODNEY **CEMENTER: KIRBY HARPER** TIME PRESSURES PSI FLUID PUMPED DATA REMARKS AM/PM Casing Tubing ANNULUS TOTAL RATE 1730 ON LOCATION -- SPOT AND RIG UP 2115 CASING ON BOTTOM -- BREAK CIRC 2144 1600 PRESSURE TEST 2147 200 190 5 START MIXING 365 SK LEAD @ 11.4 PPG 2234 300 32 START MIXING 150 SK TAIL @ 15.6 PPG 2242 SHUT DOWN -- DROP TOP PLUG 2244 200 0 6 START DISPLACING WITH FRESH WATER 2259 300 82 2 **SLOW RATE** 2304 350-850 92 **BUMP PLUG** 2305 850-0 RELEASE PRESSURE -- FLOAT HELD CIRCULATE CEMENT TO THE PIT CEMENTING JOB LOG - Page: 1

OBRIEN ENERGY RESOURCES CORP 8.625" SURFACE LARRABEE #6-4 04/19/2022

