

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1248309

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	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 D	epth:					
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Fee							
☐ 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:							
Operator:			If Alternate II completion, c	cement circulated from:						
Well Name:			feet depth to:	w/	sx cmt.					
Original Comp. Date:										
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan						
Plug Back	Conv. to G		(Data must be collected from to							
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls					
Dual Completion			Dewatering method used:_							
SWD			Location of fluid disposal if	hauled offsite:						
ENHR	Permit #:									
GSW	Permit #:		Operator Name:							
			Lease Name:							
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 II III Approved by: Date:

Page Two



Operator Name:				_ Lease I	Name: _	Well #:								
Sec Twp	S. R	East	West	County	:									
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in presson surface test, along	sures, whether with final chart	shut-in pre (s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	tic pressures, bot d.	tom hole temp	erature, fluid	recovery,				
Final Radioactivity Lo- files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital elec	tronic log				
Drill Stem Tests Taker (Attach Additional S		Yes	No				on (Top), Depth ar		Sam					
Samples Sent to Geo	logical Survey	Yes	☐ No		Nam	e		Тор	Datu	m				
Cores Taken Electric Log Run		Yes Yes	☐ No ☐ No											
List All E. Logs Run:														
				RECORD	Ne									
	0	· ·				ermediate, product		T "0 1	I					
Purpose of String	Size Hole Drilled	Size Ca Set (In 0		Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and I Additiv					
		Al	DDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD								
Purpose:	Depth Top Bottom	Type of C	ement	# Sacks	Used		Type and P	ercent Additives						
Perforate Protect Casing	Top Bottom													
Plug Back TD Plug Off Zone														
r lug on zone														
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	p questions 2 ar	nd 3)					
Does the volume of the to								p question 3)						
Was the hydraulic fractur	ing treatment information	on submitted to th	ne chemical o	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)					
Shots Per Foot		ON RECORD - Footage of Each					cture, Shot, Cement		d	Depth				
	Эреспу	1 oolage of Lacif	iliterval Feli	Orated		(A	THOURT AND KIND OF MA	teriai Oseu)		Берит				
TUBING RECORD:	Size:	Set At:		Packer A	+-	Liner Run:								
TOBING FILEGORIS.	0.20	001711.		r donor 7	••	[Yes No							
Date of First, Resumed	Production, SWD or EN	NHR. Pro	oducing Meth		a \Box	Coo Lift 0	Other (Evelein)							
Estimated Dradustics	0.11	Dhla	Flowing	Pumpin			Other (Explain)	Nee Oil D-#-						
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	eı B	bls. C	Gas-Oil Ratio	G	iravity				
	ON OF GAS:	Open		METHOD OF Perf.			nmingled	PRODUCTION	ON INTERVAL:					
Vented Sold	Used on Lease bmit ACO-18.)		(Specify)	_ 1 011.	(Submit		mit ACO-4)							

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6339

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410 Fax 620-672-3663 Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

Meas Line Displace 5 Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A + 2 get A Bbb Fac Cement Amount Ordered 75 st class A Bbb Fac 75 st class A Bbb Fac 75 st class A Bbb Fac 75 s		Sec.	Twp.	Range		County	State	On Location	Finish						
Location Contractor The default 15, '45, e. th.	Date 02-12-15	15	325	12w	Ba	Rber	KS	10:30Pm	200AN						
Type Job Sure Face To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Ceg. 8/4 244 Depth 65 Charge Tog Size Depth Street Tool Depth City State Cement Left in Csg. Shoe Joint 1/4 The above was done to satisfaction and supervision of owner agent or contractor. Meas Line Displaces 5 1/2 BB Frack EQUIPMENT 36 CC + 1/4 Frose 1 Pumptrix No Deard B Common 175 Buildrix No Deard B Common 175 B	Lease Nancy	V	/ell No.	1	Locati	on US28/ 4	+ Woodwand	1 Rd, 15, 1/45,	& in to						
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	Contractor Moverick	#10	6	a a	0			Ea	n 5						
Hole Size 12/4	Type Job Sur face		E ¹					cementing equipmen	t and furnish						
Top Size Depth Street Tool Depth Oily State The above was done to satisfaction and supervision of owner agent or contractor. Meas line Displace 5 86 b Fact EQUIPMENT 3 6 cc			T.D.	טכו		cementer and	d helper to assist ow	ner or contractor to d	o work as listed.						
Tool Depth City State Cement Left in Csg. Shoe Joint Ma Shoe Joint Ma Displace / 5 / 8 Bbl Fact Cement Amount Ordered / 7 5 5 x class A = 2 / 6 g cl + 1 afflose al EQUIPMENT PUMPITY 3 / 6 cc + 1 / 4 afflose al Builtrik / O No. David B	Csg. 85/8 2	244	Depth	265'		Charge To	8 , 383	97 PM							
Cement Left in Csg. 20 Shoe Joint 1/14 The above was done to satisfaction and supervision of owner agent or contractor. Meas Line EQUIPMENT Pumptrk No. Desce B Common 75 Bulktrk No. David B Poz. Mix Bulktrk No. Desce B Common 75 Bulktrk No.	Tbg. Size	F 7 E	Depth	8		Street		x 5 %							
Meas Line Displace 15 1/2 BBB First EQUIPMENT BURNTK No. Deret B Common 175 Common 175 Document Pumptrk No. Deret B Common 175 Common 175 Document Poz. Mix Bulktrk No. Document JOB SERVICES & REMARKS Hulls Rat Hole Mouse Hole Centralizers Baskets Displace B Common 175 Common 175 Common 175 Common 175 Poz. Mix Bulktrk No. Bulktrk No. Document David F Calcium 6 Later Hole Salt Flowseal 47.75 Kol-Seal Mud CLR 48 CPL-117 or CD110 CAF 38 Price on B Hrm, Break Crac., Pring First Sand	Tool		Depth			City State									
EQUIPMENT Pumptrk No. Describ Common 13 Bulktrk No. David B Poz. Mix Bulktrk No. David Bulktr No. David No. David No. David No. David No. David No. David	Cement Left in Csg. 20	,	Shoe Jo	oint NA		The above was	s done to satisfaction a	nd supervision of owner	agent or contractor.						
Pumptrk No. Devet B Common 175 Bulktrk No. David B Poz. Mix Gel. 3 Pickup No. David F JOB SERVICES & REMARKS Hulls Rat Hole Centralizers Baskets Mud CLR 48 CFL-117 or CD110 CAF 38 Pipe on B Hm, Basak Lac., Pump Fass Sand Spaces, Mix 1755x A 243 center f Handling 184 See included in 15th Bbls to tal Disp. Shut in Center Disc. Guide Shoe Latch Down Latch Down Pumptrk Charge Mileage Mileage Pumptrk Charge Mileage Mileage Tax Discount	Meas Line	9	Displac	e/51/2 BB	ls Fres	Cement Amo	unt Ordered / 7	55x classA+	26gelt						
Pumptik No. David B Poz. Mix Bulktik No. Gel. 3 Pickup No. David B Services & REMARKS Hulls Rat Hole Salt Mouse Hole Flowseal 4.75 Centralizers Kol-Seal Baskets Mud CLR 48 DIV or Port Collar Pipe on B Htm. Basak Vac., Pump Fass. Sand Spacer M. X 1755x A 243 centar t Handling 184 Start Disp on Fassh Hi D. Wash to tal Disp. Stop Pump at 15/1, 881s to tal Disp. Gentralizer Baskets AFU Inserts Float Shoe Latch Down Pumptik Charge Mileage 20 Tax Discount					X:	3%cc+	1/4 #Floseat)							
Bulktrk No. Bulktrk No. JOB SERVICES & REMARKS Rat Hole Salt Hulls Rat Hole Mouse Hole Centralizers Kol-Seal Baskets Mud CLR 48 OV or Port Collar Pipe on B Hm, Basak Urac., Pump Frass. Sand Handling 184 Start Disp. ov Frask HO, Wash up trust Start Disp. ov Frask HO, Wash up trust Stop Pump at 15% BBK total Disp. Guide Shoe Shut in Central Disc. AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Mileag	Pumptrk 8		B	2	9	Common / 7	5	8	,						
BURKER Pickup No. JOB SERVICES & REMARKS Hulls Salt Mouse Hole Centralizers Kol-Seal Baskets Mud CLR 48 OV or Port Collar Pipe on B Hm, Break Urc., Pump Fress Sand Handling Start Josp of Fress HO Wash up treet FLOAT EQUIPMENT Start Joseph	Bulktrk /	uid B	S			Poz. Mix			_						
Pickup JOB SERVICES & REMARKS Hulls Rat Hole Salt Mouse Hole Centralizers Baskets DV or Port Collar Pipe on B Hm Basak Lac., Punp Firest Sand Sand Shares M'x 1755x A 247 center to Sand Shares M'y 1755x	Bulktrk		3			Gel. 3	B 3	<u> </u>	2 3						
Rat Hole Salt Mouse Hole Centralizers Baskets D/V or Port Collar CFL-117 or CD110 CAF 38 D/P on B Hm, Break Urc., Pump Fines Sand Spacer Mix 1755x A 243 centent Handling 184 Start Disp. W/ Fresh H'O, Wash up trus Mileage 10 See increase in PST Stow Care. Shut in Cement District Baskets AFU Inserts Float Shoe Latch Down Limb 10 Mileage 20 Tax Discount	Pickup No. Va	vind F				Calcium 6	alest con	a * 1							
Mouse Hole Centralizers Rol-Seal Baskets Mud CLR 48 DV or Port Collar CFL-117 or CD110 CAF 38 Pipe on B Hm, Basak Cac. Pump Frest Sand Spacer M. x 175 sx A 243 centent Handling 184 Start Disp. w/ Fresh HD, Wash ptrux Mileage Sex increase in PST, Slow Ruse, Stop Pump at 151/2 BB1s total Disp. Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Latch Down Latch Down Mileage 20 Tax Discount	JOB SE	RVICES	& REMA	RKS		Hulls	Sange Comment								
Centralizers Baskets Mud CLR 48 DIV or Port Collar CFL-117 or CD110 CAF 38 Pipe on B Hm Break Unc., Pump Finest Sand Shaker Mix 1755x A 243 central Handling 1844 Start Disp. W/ Farsh H'O, Wash up true Mileage 10 See increase in PSI, SBBs total Disp. Structure General Disc Centralizer Baskets AFU Inserts Float Shoe Latch Down Latch Down Latch Down Latch Down Mileage 20 Tax Discount	Rat Hole	8 E8				Salt	S SEN		ا مر						
Baskets DN or Port Collar CFL-117 or CD110 CAF 38 Pipe on B Hm, Break Crac., Pump Fresh Sand Snacer Mix 1755x A 243 cement Handling 184 Start Disp. W/ Fresh HD Wash up trun Mileage 10 Ser increase in PST, Slow Ruse, FLOAT EQUIPMENT Stop Pump at 151/2 BBIs to tal Disp. Guide Shoe Shut in, Cement Did Crac Baskets AFU Inserts Float Shoe Latch Down LMV 10 South Short Controller Pumptrk Charge Crafter Mileage 20 Tax Discount	Mouse Hole	1	a A:	11		Flowseal 4	3.75	4.	A						
DV or Port Collar Pipe on B Hm, Break Crac., Pemp Frash Sand Snacer Mix 1755x A 243 cement Handling 184 Start Disp. w/ Fresh HD, Wash up trush Mileage 10 Ser increase in PST Slow Parte, FLOAT EQUIPMENT Stop Pump at 151/2 881/3 total Disp. Guide Shoe Shut in Cement Did Crac Baskets AFU Inserts Float Shoe Latch Down Lamb 10 Superior Mileage 20 Tax Discount	Centralizers	59 55		* 3 # ** }		Kol-Seal)		N X 5						
Pipe on BHM, Break Unc., Pump Firest Sand Spacer, Mix 1755x A 243 center + Handling 184 Start Disp. W/ Fresh HO, Wash up trum Mileage 10 See increase in PSI, Slow Pate, Stop Pump at 15/1 BBIs to tal Disp. Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down LMV 10 South Control Mileage 20 Tax Discount	Baskets	ik	11 45	1		Mud CLR 48	m ²⁷	· O	f						
Space Mix 1755x A 243 cement Handling 184 Start Disp. w/ Fresh HO, Wash up trux Mileage 10 See increase in PSI, Slow Ruse, FLOAT EQUIPMENT Stop Pump at 151/2 BBIs total Disp. Guide Shoe Shut in, Cement Did Circ Centralizer Baskets AFU Inserts Float Shoe Latch Down LINV 10 Service Mileage 20 Tax Discount	D/V or Port Collar	A Note of the second		18 M	As a		CD110 CAF 38								
Start Disp. w/ Fresh HO, Wash up trux Mileage See in uncase in PSI, Slow Ruse, Stop Pump at 15/2 BBIs total Disp. Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Latch Down Pumptrk Charge Mileage Mileage Tax Discount	Pipe on BHM	Brea	kl.	Ac., Pump	, Fresh	Sand	8								
See increase in PST, Slow Rute, Guide Shoe Shut in, Cement Did Case Centralizer Baskets AFU Inserts Float Shoe Latch Down LMV 10 Sance Superviser Pumptrk Charge Contract Mileage 20 Tax Discount	Spacer Mix	175	SX A	243 cem	ent.	Handling	184								
Stop Pump at 151/2 BBIs total Disp. Guide Shoe Shutin, Cement Didical Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Mileage Tax Discount	Start Disp. W/	Fres	LHO	Washup	trux	Mileage	O mess a	, 'S	4.50.46.5						
Stop Fump at 15% BBIs total Disp. Guide Shoe Shut in Cement Did Comment Did Co	Ser increase	in Ps	I. Ś,	Inw Rute		58 (V)	FLOAT EQUIPM	ENT							
Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	Stop Pump a	+ 15	1/2 813	Is total D	15p.	Guide Shoe	[3 =	1							
AFU Inserts Float Shoe Latch Down Low 10 Secret Supervision Pumptrk Charge Mileage 20 Tax Discount	Shut in C	enes	bid +	CXXX	1	Centralizer	8	a	J. a						
Float Shoe Latch Down LMV 10 Source Pumptrk Charge Mileage 20 Tax Discount					(r)	Baskets	8 8	n a							
Latch Down LMV 10 Pumptrk Charge Mileage 20 Tax Discount	81 X V	3		¥,		AFU Inserts			the gradient of the second						
Pumptrk Charge Mileage Tax Discount				K.	12	Float Shoe		, , , , , , , , , , , , , , , , , , ,							
Pumptrk Charge Mileage Tax Discount				_ ×		Latch Down	15: 15: 15: 15: 15: 15: 15: 15: 15: 15:	8 31	12 E E						
Pumptrk Charge Mileage Tax Discount			0			LMV	10	a	2.						
Pumptrk Charge Mileage 20 Tax Discount	# H	8 6	4	"		Sowie	- Solverice		#b						
Tax Discount	v 8	44 86	3				4	M 8							
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Signature Total Charge	ST 03	101	, id		St. Hotel	a s o		Discount	# E E						
	Signature	Land .	and some	a for a good to	est.		53e	Total Charge	7 18 gr 1						



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 11501 A

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

DATE OF JOB 02	-14-1	5 DIS	STRICT PRATT	i de la	NEW WELL	₹ OLD	PROD INJ	□ WDW □	CUSTOMER ORDER NO.:	. 1
CUSTOMER	11	FIN	The second secon	ot .		NANK	<u> </u>	e we have the second	WELL NO.	
ADDRESS						Y BARB.	~ 1	STATE K		1,3
CITY	W TI		STATE	8 0			Misange			At Name
AUTHORIZED	BY	n _{zor}		- i	- 14 · · · · · · · · · · · · · · · · · ·	PE:CNW				
EQUIPMEN	NT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#		TRUCK CALL		TE AMO TI	ME
A TOTAL NO.	5 10 72		17 H				ARRIVED AT	02-18-15	PM 2	00
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TEM/PRICE REF. NO.		MAT	ERIAL, EQUIPMENT A	ND SERVI	CES USED	UNIT	(WELL OWNE	R, OPERATOR, CON	TRACTOR OR A	
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FIELD SERVICE ORDER NO.



TREATMENT REPORT

Customer	RATIN) /	MAL	In feet	AL	ease No.	(52)		2		Date			8	
Lease NA	NCY			1		/ell #		22 53	52	1363	0	2 -	-15-1	15	
Field Order #	Station	UP,	11-7	7		, DORS _ DD	30073	Casing	Dept	241	County		17	1 10 1	State
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Fract	County: API Number: Operator Number: Well Name: Federal Well: Longitude:	3/20/15 13:38 Kansas Barber 15-007-24265-0000 Griffin Management Nancy #1 YES -98.6075943 37.2604348 NAD27	Frac Focus Chemical Disclosure Registry (eg. XX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Water Sand (Proppant) Plexcide P5 Plexcide P5 Plexsick 87 Plexgel Breaker MA Plexset 730	1.00 2.65 0.96 0.96 1.11 1.03	369,900 166,900 40 40 259	3,086,816 166,900 320 320	gal lb gal		
L True Ver Total Clean F	State: County: API Number: Operator Number: Well Name: Federal Well: Longitude: Latitude: Long/Lat Projection;	Kansas Barber 15-007-24265-0000 Griffin Management Nancy #1 Yes -98.6075943 37.2604348 NAD27	anga Artsecials	Plexeide P5 Plexeide P5 Plexslick 967 Plexgel Breaker APA Plexset 730	0.96 0.96 1.11	40	320	gal		
L True Ver Total Clean F	API Number: Operator Number: Well Name: Federal Well; Longitude: Latitude: Long/Lat Projection:	15-007-24265-0000 Griffin Management Nancy #1 Yes -98.6075943 37.2604348 NAD27	anga Artsecials	Plexslick 957 Plexgel Breaker XPA Plexset 730	1.11		320			
L True Ver Total Clean F	Operator Number: Well Name: Federal Well: Longitude: Latitude: Long/Lat Projection:	Griffin Management Nancy #1 Yes -98.6075943 37.2604348 NAD27	anga 🔷	Plexgel Breaker XPA Plexset 730			2,399	gal gal		
True Ver Total Clean F	Federal Well: Longitude: Latitude: Long/Lat Projection:	Yes -98.6075943 37.2604348 NAD27	Americals			72	619	gal		
True Ver Total Clean F	Latitude: Long/Lat Projection:	37.2604348 NAD27	Americals	Plexsurf 580 ME	0.00	93	737	gal gal		
True Ver Total Clean F	Long/Lat Projection:	NAD27		Plexsurf 580 ME	0.90	93	698	gal		
	ertical Depth (TVD): Fluid Volume* (gal):	4,600'	National Cost Allumeter	Plexgel 907L-EB Plexgel 907L-EB	1.04	0	0	gal gal		
	rate volume (gal):		1 11 211 200	Plexgel 907L-EB	1.04	0	0	gal		
gredients Section:		369,700		Plexgel 907L-EB	1.04	0	0	gal gal		
redients Section:								gal	7.11	
gredients Section:								gal gal		
gredients Section:								gal		
gredients Section:							Total Slurry Mass (Lbs)	gal		
The second secon	_						3,258,810			
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid	Comments		
ter Oper	crator	Carrier/Base Huid	Water	7732-18-5	(% by mass)** 100.00%	3,086,816	(% by mass)** 94.72216%		West	
d (Proppant) Unin	man	Proppant	Crystalline Silica in the frm of Quartz	14808-60-7	100.00%	166,900	5.12150%		Water Sand (Pro	ppant)
xcide P5 Chen	emplex emplex	Biocide Biocide	Tributyl Tetradecyl Phosphonium Chloride Methanol	81741-28-8 67-56-1	5.00%	16 64	0.00049% 0.00197%		Plexcide Plexcide	P5
xslick 957 Chen	emplex	Friction Reducer Slickwater Breaker	Petroleum Hdrotreated light Distillate	64742-47-8	0.00%	0	0.00000%		Plexslick	957
xset 730 Chen	emplex	Activator	Hydrogen Peroxide Methanol	7722-84-1 67-56-1	7.00%	43	0.00133% 0.00000%		Plexgel B Plexset 73	reaker XPA
xsurf580 ME Chen xsurf580 ME Chen		Product Stabilizer Product Stabilizer	2-Butoxyethanol	111-76-2	60.00%	442	0.01357%		Plexsurf 5	80 ME
gel 907L-EB Cherr	amplex	Gelling Agent	Methyl Alcohol Guar Gum	67-56-1 9000-30-0	10.00% 50.00%	74	0.00226%		Plexsurf 5 Plexgel 90	
gel 907L-EB Chen gel 907L-EB Chen		Gelling Agent	Alcohol Ethoxylates	34398-01-1	1.00%	0	0.00000%		Plexgel 9	07L-EB
		Gelling Agent Gelling Agent	Crystalline Silica Distillates Hydrotreated Light	14808-60-7 64742-47-8	0.06% 50.00%	0	0.00000% 0.00000%		Plexgel 9 Plexgel 9	
					3010030		0.000076		Plexgel 9	07L-EB
									Plexgel 96 Plexgel 96	07L-EB
									Plexgel 9	07L-EB
								Non-MSDS Component	Plexgel 9	07L-EB
								Non-MSDS Component		
								Non-MSDS Component		
								Non-MSDS Component Non-MSDS Component		
								Non-MSDS Component		
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tal Water Volume sources may	ay include fresh water	, produced water, and/or recycled water								