Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

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 🔲 East 🗌 West		
Address 2:	Feet from North / South Line of Section		
City:	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			
□ Oil □ WSW □ SWD □ SIOW	Producing Formation:		
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:		
OG GSW Temp. Abd.	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 ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan		
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)		
Coverning alord Paymeit #	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
SWD Permit #:	Location of fluid disposal if hauled offsite:		
ENHR Permit #:	Location of huld disposal in haufed offsite.		
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	Countv: 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

Confidentiality Requested:

Yes No

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 #: _ County: _ 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 Taken** No Loa Formation (Top), Depth and Datum Sample | Yes (Attach Additional Sheets) Name Top Datum No Samples Sent to Geological Survey Yes ☐ No Yes
 Yes
 ■
 Yes
 ■
 Yes
 ■
 Nes
 Nes Cores Taken Electric Log Run ___ Yes No List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) No Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? (If No, fill out Page Three of the ACO-1) Yes PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated Depth (Amount and Kind of Material Used) TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No Date of First, Resumed Production, SWD or ENHR. Producing Method: Flowing Pumping Gas Lift Other (Explain) **Estimated Production** Oil Bbls Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Per 24 Hours METHOD OF COMPLETION: **DISPOSITION OF GAS:** PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Summary of Changes

Lease Name and Number: Hund 1-9 API/Permit #: 15-063-21890-00-01

Doc ID: 1263980

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	03/08/2012	09/11/2015
Fracturing Question 1		No
LocationInfoLink	https://solar.kgs.ku.edu/ kcc/detail/locationInform ation.cfm?section=9&to	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=9&to
Producing Formation	Morrow	Johnson
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=10	//kcc/detail/operatorE ditDetail.cfm?docID=12
TopsDatum1	75968	63980 0
TopsDepth1		0



CONFIDENTIAL COMPLETION COMMISSION

CONFIDENTIAL COMPLETION FORM

1075968

Form ACO-1
June 2009
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 East Wes
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Fee
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Fee
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to: sx cm
If Workover/Re-entry: Old Well Info as follows:	· ·
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbl
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used:
Conv. to GSW	
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
	County: Permit #:
I Gillit #.	
Soud Date or Date Peached TD Completion Date or	

AFFIDAVIT

Recompletion Date

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

Recompletion Date

KCC Office Use ONLY				
Letter of Confidentiality Received				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

KOLAR Document ID: 1075968

Page Two

Operator Name:					Lease Na	ame: _			Well #:	
SecTwp	oS.	R	East	West	County: _					
open and closed, and flow rates if g	flowing and s gas to surface y Log, Final L	hut-in pressu test, along wi ogs run to ob	res, whe ith final c tain Geo	ther shut-in pre chart(s). Attach physical Data a	essure reache extra sheet i and Final Elec	ed stati f more ctric Lo	c level, hydrosta space is neede	tic pressures, d.		val tested, time tool rature, fluid recovery, Digital electronic log
Drill Stem Tests To			Y	es No		L	og Formatio	on (Top), Dept	th and Datum	Sample
Samples Sent to	,	ırvey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs Ri	_		Y	es No es No es No						
			David		RECORD	Ne				
	Qi	ize Hole	-	re Casing	Weight		ermediate, product	Type of	# Sacks	Type and Percent
Purpose of Str		Drilled		t (In O.D.)	Lbs. / F		Depth	Cement	Used	Additives
	'			ADDITIONAL	. CEMENTING	a / SQL	EEZE RECORD	'	'	
Purpose:		Depth p Bottom	Туре	of Cement	# Sacks U	sed		Туре а	and Percent Additives	
Perforate Protect Cas Plug Back	sing	p Bottom								
Plug Off Zo										
Did you perform Does the volume Was the hydraulic	of the total bas	e fluid of the hy	draulic fra	acturing treatmen		•		No (If No	o, skip questions 2 and o, skip question 3) o, fill out Page Three o	
Date of first Produc	ction/Injection or	Resumed Prod	duction/	Producing Meth			0.1%	W (5 ())		
,				Flowing	Pumping			other (Explain) _		
Estimated Product Per 24 Hours	tion	Oil Bl	bls.	Gas	Mcf	Wate	er B	bls.	Gas-Oil Ratio	Gravity
DISPO	SITION OF GA	S:		N	METHOD OF C	OMPLE	TION:		PRODUCTIO	
Vented	Sold Us	ed on Lease		Open Hole	Perf.	_ ,		nmingled	Тор	Bottom
(If vented	d, Submit ACO-1	8.)				(Subitili	ACO-5) (SUD	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforati Botton		Bridge Plug Type	Bridge Plug Set At		Acid,		, Cementing Squeeze Kind of Material Used)	Record
TUBING RECORD): Size:	:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Hund 1-9
Doc ID	1075968

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4578-4582; 4587- 4594	800gals. 15% HC-1 Acid, w/additives	4578-4594
4	4578-4582	250gals 15% RWR-1, w/additives	4578-82
		400 gals. 15% RWR- 1, w/additives	4578-82
4	4578-4582; 4587- 4594	250# Salt; 5 bbls gelled water,	4578-4594
		800gals 15% Acid, w/additives	

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Hund 1-9
Doc ID	1075968

Casing

Purpose Of String	Size Casing Set	Weight	Type Of Cement	Type and Percent Additives

DATE Fet 12 PAGE SWIFT Services, Inc. TICKET NO. 21567 **JOB LOG** part some ze WELL NO. customer Grand Wesa DESCRIPTION OF OPERATION AND MATERIALS PRESSURE (PSI) VOLUME CHART CASING TUBING ** sks STD coment 23152 Decks 4578-45 4887-44 4619-4635 aloc TRK114 1100 land backside to 500 psi - close in 500 66 1220 ing ette - never caught pressure. 42 30 1235 Mix STD count @ 15.6ppg 1295 harde Tapt line Displace Cotch pressure 1240 31 1300 15 Ketoct) 9661 - 48 sks behind pipe 6z 2zi8 1310 Roverse out 1220 1330 coment out of tibing 30 Poll Zstands present to 500ps; - unit 500) 520 1400 please pressure. (0) (cOO 1570 Job complete 1550 Don Brandon 1500 & Baine

Pro-Stim
Chemicalsus

61882 P.O. Box 25 - Cheyenne Walls, CO 80810 **ACID TICKET** (719) 767-8071 Fax: (719) 767-5925 **Emergency Response** 1-800-535-5053 149 S. Longhorn Drive - Dighton, KS 67839 (620) 397-2333 Date: 1-/-/2 Truck #: County: Driver. Lease: Description Amount Quantity

Job Summary Received by: _____

Pro-Stim Chemicals, LLC

P.O. Box 25 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
2/16/2012	61882

Bill To	
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614	

Ship To	-	

	Requested By	Terms	Sales Rep.	Ship	Leas	e
		Net 30	TP	2/1/2012	HUND	1-9
Quantity	Item Code		Description		Price Each	Amount
10 3 3 2	S-3000 RENAB AC-307 S-262 AI-150 KCL BIOCIDE - 2% DUMP JOB	GALLONS GALLONS GALLONS GALLONS GALLONS BRLS HOURS SPOTTED 2 BRL A @ 2.8 BPM @ 50 PS Sales Tax - GOVE C	SI ISIP VAC	REST OF JOB	1.78 23.56 17.89 18.61 14.36 20.15 3.16 158.00 95.00	1,424.00 541.88 178.90 55.83 43.08 40.30 63.20 158.00T 285.00T
				То	tal	\$2,825.85

E-mail Phone # Fax# prostim@hotmail.com 719-767-8071 719-767-5925

Acidizing	Report	PRO	STIM CI	HEMICAL.	.5				ate 2	9-12
Customer	ned M	150	Pro-Stim Ch	em(ca) Yard	Diaht	مر	Pro-Stim N		AL	,
Well Name &	Number fun	1 1-9	Field				Formation			9pot / barres
County /	State	15	BHT	Y	(D		interval	_		
	completion □ R	ecompletion D V	Vorkover 🗆	Oli⊡ Ges⊡	Water □	Disposal	D Perf			
Job Pumped	Via: Tubing □	Casing D Annu	ius 🗋 CTU	□ Combina	tion D	lug Dep#			Packer	Depth
Casing Size:		GRD WI	Dep	th	Tubing Si	ze:	GR	1	VT .	Spot
Casing Vol.		Tog Vol	Ann	Vol	OH Vol		Total	ai Displa	ement	
Maximum Pr	essure	Tubing	Ces	lng	Proposed	Pump Time	e AO	L	Leave	Loc
Special Instr	uctions:			₩ ■**•		·				
		Plete	Increment	Treatment	Pres					tions.
Time	Type Fluid	BMP	Vol Bbis	Vol 8bla	Tubing	Casing	0-4-5-144		Observa	ILIONS
<u> </u>						**************************************	Safety Me			psi
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14	Acid	2.8		6.0	40		acia	1 600		
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2:50	Flush	0		286	900		ma	v		
4:05	Flush	0		29.1	900					
5:31	Flush	0		30.4	900					
5:37	Flush	0.2		31	850		600	4		
5:39	Flush	17		31.7	400		1			
5:40	Flush	/		728	200					
5,43	Flush	1		35.3	150		Done	<u> </u>		
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Avg Inj Rate	Fluid BPM			~	H20 21		oid 6	Oil		
Treating Pro.	Mex 900	Final /	50 Avg.		ISIP VA			10"	31	15' 81
-	Representative					-Stim Supe	rvlaor.	Shaw	<u> </u>	M

\$1,881.15

Pro-Stim Chemicals, LLC

P.O. Box 25 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
2/16/2012	62015

Ship To			
,			

Total

	Requested By	Тегтв	Sales Rep.	Ship	Lease)
		Net 30	TP	2/9/2012	HUND 1	-9
Quantity	Item Code		Description		Price Each	Amount
250 5 30	RWR-1 15% RENAB KCL BIOCIDE - 2% DUMP JOB TRUCK TIME	GALLONS GALLONS BRLS HOURS Sales Tax - GOVI	e co.		2.82 17.89 3.16 158.00 95.00 8.05%	705.00 89.45 94.80 158.001 760.001 73.90

Phone # Fax # E-mail

719-767-8071 719-767-5925 prostim@hotmail.com

Pro-Stim

P.O. Box 25 - Cheyenne Wells, CO 80810 (719) 767-8071 Fax: (719) 767-5925

ACID TICKET

te: <u>2-10-12</u> stomer: God M			
unty: Cove		Truck #:	A6 hannon v
ase: Hund 1-	9	Onver.	
Quantity	Description		Amount
400 gel Ru	JK-1 152	a	
215 banel	2% KCL	Flush	
25 hrs 11	wek Tent		
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		.,	
Summary fumed	AIL AT	- 2,8 B	IM
on vac			
			
		····	

Pro-Stim Chemicals, LLC

P.O. Box 25 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
2/16/2012	62038

Bill To	
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614	0

Fax#

719-767-5925

Phone #

719-767-8071

Shìp To		!

	Requested By	Terms	Sales Rep.	Ship	Lease		
		Net 30	TP	2/10/2012	HUND 1-9		
Quantity	Item Gode	Description			Price Each Amount		
	_, · · · · · · ·	GALLONS BRLS HOURS Sales Tax - GOVE	CO.		2.82 3.16 158.00 95.00 8.05%	1,128.00 94.80 158.00T 285.00T 35.66	
				Tot	al	\$1,701.46	

E-mail

prostim@hotmail.com

Pro-Stim

P.O. Box 25 - Chayenne Wells, CO 80810 (719) 767-8071 Fax: (719) 767-5925

ACID TICKET Emergency Response 1-800-535-5053

Chemicalsus 149 S. Longhorn Drive - Dighton, KS 67839 (620) 397-2333

County:

Quantity Description Amount

ummary	pumped	SALT	* 90/ m	g ter	
fur	red ac	elack	of betts		
1 1 1 1 1 1	apro 1	[#3\ <u>\</u>			
	all we	A on	UAC		
			¥		
	·		***		

Received by:

\$3,147.83

Pro-Stim Chemicals, LLC

P.O. Box 25 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #		
2/23/2012	62161		

Bill To	
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614	

Ship To		

Total

	Requested By	Terms	Sales Rep.	Ship	Lease	
		Net 30 T P 2/15/2012			HUND 1-9	
Quantity	Item Code		Description		Price Each Amount	
26 2.5 2.5 2.5 250 40	15% HC1 ACID S-3000 S-262 AC-307 AI-150 SALT BALLS - BIO-DEGRADEA BALL LAUNCHER KCL BIOCIDE - 2% DUMP JOB TRUCK TIME	GALLONS GALLONS GALLONS GALLONS LBS. EACH BRLS HOURS Sales Tax - GOVE	CO.		1.78 23.56 14.36 18.61 20.15 0.18 7.00 80.00 3.16 158.00 95.00 8.05%	1,424.00 612.56 35.90 46.53 50.38 45.00 280.00 94.80 158.007 285.007

Phone # Fax # E-mail

719-767-8071 719-767-5925 prostim@hotmail.com

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 Ward Loyd, Commissioner Thomas E. Wright, Commissioner

March 08, 2012

Ronald N. Sinclair Grand Mesa Operating Company 1700 N WATERFRONT PKWY BLDG 600 WICHITA, KS 67206-5514

Re: ACO1 API 15-063-21890-00-00 Hund 1-9 SW/4 Sec.09-14S-31W 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, Ronald N. Sinclair