

#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1064837

Form ACO-4 Form must be typed March 2009

# APPLICATION FOR COMMINGLING OF Commingling ID # \_ PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERAT	FOR: License #	API No. 15				
Name:_		Spot Description:				
Address	1:		_ Sec Twp	S. R East West		
Address	2:		Feet from No	rth / South Line of Section		
City:	State: Zip:+		Feet from Eas	st / West Line of Section		
Contact	Person:	County:				
Phone:	()	Lease Name:	Well	#:		
1.	Name and upper and lower limit of each production interval to	be commingled:				
	Formation:	(Perfs):				
	Formation:	(Perfs):				
	Formation:	(Perfs):				
	Formation:	(Perfs):				
	Formation:	(Perfs):				
2.	Estimated amount of fluid production to be commingled from e					
	Formation:	BOPD:	MCFPD:	BWPD:		
	Formation:	BOPD:	MCFPD:	BWPD:		
	Formation:	BOPD:	MCFPD:	BWPD:		
	Formation:	BOPD:	MCFPD:	BWPD:		
	Formation:	BOPD:	MCFPD:	BWPD:		
<ul><li>□ 3.</li><li>□ 4.</li></ul>	Plat map showing the location of the subject well, all other well the subject well, and for each well the names and addresses of Signed certificate showing service of the application and affidation	of the lessee of record or ope	erator.	es within a 1/2 mile radius of		
For Con	nmingling of PRODUCTION ONLY, include the following:					
☐ 5.	Wireline log of subject well. Previously Filed with ACO-1:	Yes No				
☐ 6.	Complete Form ACO-1 (Well Completion form) for the subject					
	Complete Form ACC-1 (Well Completion form) for the subject	wen.				
For Con	nmingling of FLUIDS ONLY, include the following:					
7.	Well construction diagram of subject well.					
8.	Any available water chemistry data demonstrating the compati	ibility of the fluids to be com	mingled.			
current in mingling	<b>VIT:</b> I am the affiant and hereby certify that to the best of my nformation, knowledge and personal belief, this request for comistrue and proper and I have no information or knowledge, which sistent with the information supplied in this application.	Sı	ubmitted Electroni	ically		
KCC	C Office Use Only	Protects may be filed by an	v narty having a valid interact	in the application. Protects must be		
	enied Approved			in the application. Protests must be filed wihin 15 days of publication of		

Date: \_

15-Day Periods Ends: \_\_

Approved By: \_

#### AFFIDAVIT OF NOTICE SERVED

RE: Application for Commingling of Production

Well Name: Hess #2-33

Legal Location: SW/NW/NE/NW Section 33-13S-31W, Gove County, Kansas

The undersigned hereby certificates that he/she is a duly authorized agent for the applicant, and that on the 10<sup>th</sup> day of October, 2011, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

Ritchie Exploration, Inc., 8100 E. 22nd North, Bldg 700, Wichita, KS 67226

I further attest that notice of the filing of this application was published in **The Gove County Advocate**, the official county publication of **Gove County**, Kansas and **The Wichita Eagle**, Wichita, Kansas. Copies of these affidavits of publication are attached.

Signed this 10th day of October, 2011.

Applicant of Duly Authorized Agent:

Ronald N. Sinclair, President of Grand Mesa Operating Company

Subscribed and sworn to before me this 10th day of October, 2011.

Notary Public:

Phyllis E. Brewer, Notary Public 🤇

My Commission Expires: July 21, 2015

PHYLLIS E. BREWER

Notary Public - State of Kansas

My Appt. Expires 7/2//5

# BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS NOTICE OF FILING APPLICATION

RE: Grand Mesa Operating Company, License #9855—Application for a commingling of production for the Hess #2-33, located in Gove County, Kansas.

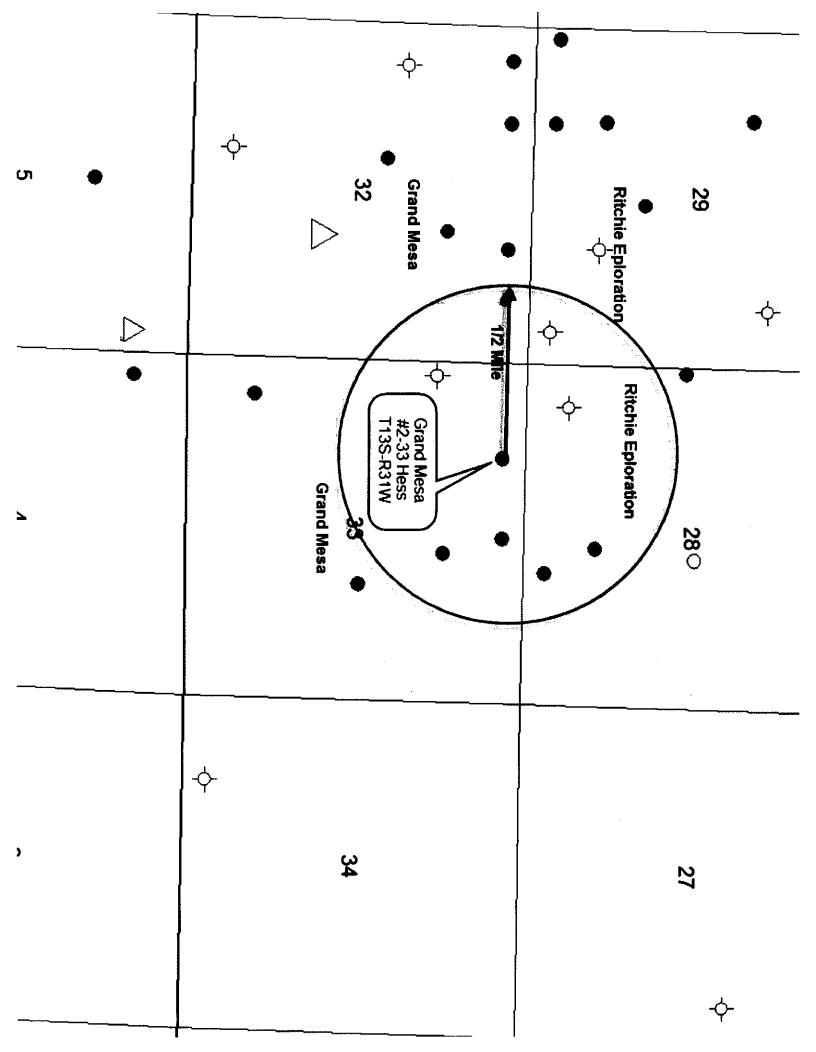
TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners and all persons concerned.

You, and each of you, are hereby notified that Grand Mesa Operating Company – has filed an application for commingling production or fluids from the Lansing/KC, Ft. Scott and Johnson Formations. The subject well, the Hess #2-33, is located 485 feet from the north line and 1540 feet from the west line in the SW NW NE NW of Section 33, Township 13 South, Range 31 West, Gove County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days of the publication of this notice. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Grand Mesa Operating Company Ronald N. Sinclair, President 1700 N. Waterfront Pkwy, Bldg 600 Wichita, KS 67206-5514 (316) 265-3000





# CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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 # 9855	API No. 15 - 15-063-21910-00-01
Name: Grand Mesa Operating Company	Spot Description:
Address 1: 1700 N WATERFRONT PKWY BLDG 600	SW_NW_NE_NW_Sec33 Twp13 S. R31 ☐ East  West
Address 2:	485 Feet from V North / South Line of Section
City: WICHITA State: KS Zip: 67206 + 5514	Feet from East / 🗸 West Line of Section
Contact Person: Ronald N. Sinclair	Footages Calculated from Nearest Outside Section Corner:
Phone: ( 316 ) 265-3000	□ne ☑nw □se □sw
CONTRACTOR: License # 31985	County: Gove
Name: Gonzales Well Service, Inc	Lease Name: Hess Well #: 2-33
Wellsite Geologist: Bob Schreiber	Field Name: Wildcat
Purchaser: NCRA	Producing Formation: Lansing/Ft. Scott/ Johnson
Designate Type of Completion:	Elevation: Ground: 2878 Kelly Bushing: 2877
New Well	Total Depth: 4650 Plug Back Total Depth: 4622
✓ OII	Amount of Surface Pipe Set and Cemented at: 223 Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: 2383 Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from: 2383
Cathodic Other (Core, Expl., etc.):	feet depth to: 0 sx cmt.
If Workover/Re-entry: Old Well Info as follows:	leet depth to:
Operator: Grand Mesa Operating Company	
Well Name: Hess #2-33	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: 06/29/2011 Original Total Depth: 4650	, ,
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: 22000 ppm Fluid volume: 1000 bbls
Conv. to GSW	Dewatering method used: Evaporated
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
✓ Commingled Permit #:	
Dual Completion Permit #:	Operator Name:
☐ SWD Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSecTwpS. R East West
GSW Permit #:	County: Permit #:
09/06/2011 09/13/2011	
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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
Letter of Confidentiality Received  Date:10/07/2011
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution  ALT ☐ I ☑ III ☐ III Approved by: NAOMI JAMES Date: 10/07/2011

Side Two



. Well #: \_2-33 Hess Operator Name: Grand Mesa Operating Company Lease Name: Sec. 33 Twp.13 S. R. 31 Teast 7 West County: Gove INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report. □ Sample ✓ Log Formation (Top), Depth and Datum ☐ Yes √ No Drill Stem Tests Taken (Attach Additional Sheets) Top Datum Name Samples Sent to Geological Survey √ No No changes from the original ACO-1 ☐ Yes √ No Cores Taken ✓ No Yes Electric Log Run Electric Log Submitted Electronically Yes ☐ No (If no, Submit Copy) List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Type and Percent Size Hole Size Casing Weight Type of # Sacks Purpose of String Additives Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type and Percent Additives # Sacks Used Type of Cement Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth 4359-4365 4359-4365 600gals. 15% RWR-1 acid, w/additives 4359-4365 4084-4089 900gals, 15% HC-1 acid, w/additives 4084-4089 250gals. 15% RWR-1 acid, w/additives 4084-4089 500gals. 15% RWR-1 acid, w/additives Packer At: Liner Run: TUBING RECORD: Size: Set At: √ No Yes 2.875 4595 Producing Method: Date of First, Resumed Production, SWD or ENHR. Gas Lift Flowing Pumping Other (Explain) 09/13/2011 Gas-Oil Ratio Bhis Gravity Estimated Production Oil Bbls. Gas Mcf Water Per 24 Hours 0 12 107 PRODUCTION INTERVAL: METHOD OF COMPLETION: DISPOSITION OF GAS: Open Hole ✓ Perf. Dually Comp. ✓ Commingled 4084-4484 ☐ Vented ☐ Sold ☐ Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.)

Other (Specify)

P.O. Box 25 Cheyenne Wells, CO 80810

### Invoice

Date	Invoice #		
9/14/2011	56698		

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

	 		 	_
Ship To				

	Requested By	Terms	Sales Rep.	Ship	Lease		
		Net 30	JK	9/7/2011	HESS 2-33		
Quantity	Item Code		Description		Price Each	Amount	
600 2 1	RWR-1 15% AR-630 DUMP JOB TRUCK TIME	GALLONS GALLONS HOURS Sales Tax - GOVE C			2.26 24.10 158.00 95.00 8.05%	1,356.00 48.20 158.00T 332.50T 39.49	

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

\$1,934.19

Total

Acidizing Report PRO-STIM CHEMICALS								1 "	1-7-//	
Customer	ERAND MES	·(	Pro-Stirn C	hemical Yard	Digha	ke1	Pro-8	Stim Numb	er A	3 56A6
Well Name &	k Number	2-33	Field	·			Form	ation	Š	pot
County	Stat	e KS	ВНТ		YD		Inten	/al	1359-6	.5-
	Well Type: Completion ☐ Recompletion ☐ Workover ☐ OII ☐ Gas ☐ Water ☐ Disposal ☐ Perl ☐ OH ☐									
Job Pumped	l Via: Tubing 內	Casing [] Annu	ılus 🗇 CTU	Combin	ation □ P	lug Depth			Packer De	pth 43.35
Casing Size	5/2	GRD WT	Dep	oth	Tubing Si	ze: 2 7	13	GRD	TWT S	Spot
Casing Vol.	J J. Com	Tbg Vol 25, 4	Ann	1 Vol , 7	OH Vol	(D)		Total Dis	placement	2 4.1
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1-1				Treatment	Synopsis					- -
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Customer F	Representative	114	<u> </u>		Pro-S	Stim Super	visor			
Jak Majde										

P.O. Box 25 Cheyenne Wells, CO 80810 SEP 2 6 2011

### Invoice

Date	Invoice #
9/14/2011	56696

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

	Requested By	Terms	Sales Rep.	Ship	Lease	e
		Net 30	S M	9/7/2011	HESS 2	-33
Quantity	Item Code		Description		Price Each	Amount
30 3 3 2 2 2 28 1	I .	GALLONS GALLONS GALLONS GALLONS GALLONS BRLS HOURS Sales Tax - GOVE C	O.		1.28 30.34 17.39 13.42 18.83 24.10 3.16 158.00 95.00 8.05%	1,152.00 910.20 52.17 40.26 37.66 48.20 88.48 158.00T 332.50T 39.49

Total

\$2,858.96

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

Acidizing	g Report	PR	O-5TIM	CHEMICA	L <b>5</b>			Date	9-7-11
Sustomer	Grand 1	Mesa	Pro-Stim	Chemical Yard	Dialite	97	Pro-Stlm Num	ngr/	56698
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Avg Inj Rate	Fluid BPM 3.	<u> </u>		Treatment Total Injected	Synopsi		o22 bc1	Oil	

SEP 26 2011

P.O. Box 25 Cheyenne Wells, CO 80810

### **Invoice**

Date	Invoice #				
9/14/2011	56744				

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

	Requested By	Terms	Sales Rep.	Ship	Lease	
ļ		Net 30	JК	9/9/2011	HESS 2-	33
Quantity	Item Code		Description		Price Each	Amount
1 30 1	RWR-1 15% AR-630 KCL BIOCIDE - 2% DUMP JOB TRUCK TIME	GALLONS GALLONS BRLS HOURS Sales Tax - GOVE	CO.		2.26 24.10 3.16 158.00 95.00 8.05%	565.00 24.10 94.80 158.00T 285.00T 35.66
	, 					

Phone # Fax # E-mail

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

\$1,162.56

Total

	Acidizing Report PRO-STIM CHEMICALS  Date 9-9-11										
Mean   Marker   Marker   Mean   Marker   Mean   M	Customer	¿Pant Nu	e Ce	Pro-Stim C	hemical Yard	D196	TO1	Pro-	Stim Nu	mber A 3	3 56744
Well Type   Completion     Recompletion     Workover     Oil   Gain   Waler (1   Dispose   Perf C) OH   Oil   September   Play Depth   Packer Depth   40.2.3	Well Name 8			Field	<u> </u>			Forn	nation		Spot
Well Type   Completion     Recompletion     Workover     Oil   Gain   Waler (1   Dispose   Perf C) OH   Oil   September   Play Depth   Packer Depth   40.2.3	County 6	UNC State	KS	внт		YD		Inter	val L	1084 -	89
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Casing Size:   GRD   WT   Depth   Tubing Size:   GRD   WT   Spot	Job Pumped	Via: Tubing 5	Casing [] Ann	ulus 🗇 CTU	J 🗆 Comb	ination 🗆	Plug Depth	1		Packer	Depth H023
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Tubing   Casing   Proposed Pump Tings   AOL   20   Leave Loc   10:15	Casing Vol.		Tbg Vol	Anr	Nol	OH Vol		<del> </del>	Total	Displacement	25
Treatment Record   Time   Type Fluid   Fluid   Propertions   Propertio	Maximum P	ressure	Tubing	Cas	sing	Proposi	ed Pump Th	mge	AOL	Leave	
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9 148 1. 7 25.7 590 9 149 11 1.0 26.2 62.2 9 157 7 10 26.2 440 9 157 7 10 30.2 4420 9 157 10 1.0 31.0 390  Treatment Synopsis  Treating Prs. Max 900 Final 31.6 Avg. 800 ISIP 200 5'SI 30 5'C 1010'SIC' 10 15' SI	<del></del>								•		
9 149 11 1.0 26.2 629 9 151 71 1.0 28.2 449 9 153 7.0 30.2 425 9 154 11 7.0 31.0 340  Treatment Synopsis  Avg Inj Rate Treating Prs. Max 900 Final 310 Avg. 800 ISIP 200 5'SI 30 SC 1510 5'SI											
153		11	1.0	26.2							
Treatment Synopsis  Avg Inj Rate Treating Prs. Max 100 Final 310 Avg. 800 ISIP 200 5'SI 305C 1G10'SIC' 10 IS'SI		/1	1.0	28.2		490					
Treatment Synopsis	9153	-	1.0	30,2		420					
Treatment Synopsis	9754	11	1.0	31.0		390					
Avg Inj Rate         Fluid BPM         Total Injected         H20         Z.5         Acid         6         Oil           Treating Prs.         Max         100         Final         31 ° Avg.         80 ° ISIP         200         5'SI         30 %C         16'0'\$IC' 10         15' SI	.,										
Treating Pis. Max 100 Final 316 Avg. 800 ISIP 200 5'SI 3050 15'SI					Treatme	nt Synops	s			-,	
	Avg Inj Rate	Fluid BPM		·			- Α		6		
Pro Chim Supervisor	Trealing Prs.	Max 100	Final 3	10 Avg.	800	ISIP 2	20 s	'sı 3c	1500	1010 FIELD	15' 51
Customer Representative Pro-Stim Supervisor	-	Representative	Vale	A 1	br. =	Pro	o-Stim Supe	ervisor			

SEP 26 2011

### Invoice

P.O. Box 25 Cheyenne Wells, CO 80810

Date	Invoice #
9/21/2011	56810

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

	Requested By	Terms	Sales Rep.	Ship	Leas	e
		Net 30	JК	9/12/2011	HESS 2	-33
Quantity	Item Code	***	Description		Price Each	Amount
500 2	RWR-1 15% AR-630 4% KCL DUMP JOB TRUCK TIME	GALLONS GALLONS BRLS HOURS Sales Tax - GOVE C	OO.		2.26 24.10 3.26 158.00 95.00 8.05%	1,130.00 48.20 81.50 158.00T 285.00T 35.66

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

\$1,738.36

Total

Acidizing	Report	PRO	7-STIM (	HEMICAL	.5				Date	1-12-11
Customer	GRANDA	resa	Pro-Stim (	Pro-Stim Chemical Yard Dlykron Field				im Numb		3 56810 Spot
ell Name 8		55 2-33	Field					ition	······································	Spot
ounty 6	Stat	e /<>	внт	Ý	′D		Interva	al 4//5	84-4	1089
	Completion □ R		Workover 🗆	Oil [] Gas []	Water (	☐ Disposa	ID P	enf 🖸 (		
b Pumped	l Via: T∪bing 🌠	Casing [] Ann	nulus [] CT	U □ Combina	tlon 🗆	Plug Depth			Packe	r Depth
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asing Vol.	- ,	Tbg Vol	Ar	n Vol	OH Vol			Total Dis	placemen	24
laximum P	ressure	Tubing	Ca	ısing	Propose	ed Pump Tim	9	AOL	Leave	2)45
pecial Insti	ructions:	5009a(	150	11 Rw	R-1	+ 21	A RO	3 a		
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<del></del>		Rate	Increment	Treatment Cum		ssure	Γ΄			
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Avg Inj Rate	Fluid 8PM	Final 5		Total Injected H	Synopsi 20 2 5	Aci	d [ ]	2. J.c	Dil 7 () 0'Si	15' SI



KANSAS CORPORATION COMMISSION Oil & Gas Conservation Division **CONFIDENTIAL** 

Form ACO-1 June 2009

#### **WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form Must Be Typed Form must be Signed All blanks must be Filled

OPERATOR: License # 9855	API No. 15 - 15-063-21910-00-00					
Name: Grand Mesa Operating Company	Spot Description: 485' FNL & 1540' FWL					
Address 1: 1700 N WATERFRONT PKWY BLDG 600	SW_NW_NE_NW_Sec. 33 Twp. 13 S. R. 31 ☐ East Wes					
Address 2:	485 Feet from V North / South Line of Section					
City: WICHITA State: KS Zip: 67206 + 5514						
Contact Person: Ronald N. Sinclair	Footages Calculated from Nearest Outside Section Corner:					
Phone: (316) 265-3000	□NE ☑NW □SE □SW					
CONTRACTOR: License # 30606	County: Gove					
Name: Murfin Drilling Co., Inc.	Lease Name: Well #: 2-33					
Wellsite Geologist: Bob Schreiber	Field Name: Wildcat					
Purchaser: NCRA	Producing Formation: Johnson zone					
	Elevation: Ground: 2872 Kelly Bushing: 2877					
Designate Type of Completion:    New Well   Re-Entry   Workover	Total Depth: 4650 Plug Back Total Depth: 4622					
	Amount of Surface Pipe Set and Cemented at: 223 Feet					
✓ Oil Wsw SwD Slow	l control of the cont					
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?   ✓ Yes No  2383					
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: 2383 Feet					
CM (Coel Bed Methane)	If Alternate II completion, cement circulated from: 2383					
Cathodic Other (Core, Expl., etc.):	feet depth to: 0 w/ 300 sx cmt.					
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; 22000 ppm Fluid volume: 1000 bbls					
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used: Evaporated					
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 #:	QuarterSec TwpS. R					
ENHR Permit #:	County: Permit #:					
GSW Permit #:	County Fortilit #.					
05/27/2011 06/09/2011 06/29/2011						
Spud Date or Recompletion Date  Date Reached TD  Completion Date or Recompletion Date						

#### **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
Letter of Confidentiality Received  Date: _08/04/2011
Confidential Release Date:  ✓ Wireline Log Received  ✓ Geologist Report Received  □ UIC Distribution  ALT □ I ✓ II □ Iff Approved by: NADMI JAMES Date: 08/04/2011

Side Two

1060650

Operator Name: Grand Mesa Operating Company				_ Lease	Lease Name: Hess Well #: 2-33					
Sec. 33 Twp.13	s. R. 31	East	✓ West	County	: Gove					
INSTRUCTIONS: She time tool open and clo recovery, and flow rate line Logs surveyed. A	sed, flowing and shu es if gas to surface te	t-in pressi st, along v	ures, whether sh with final chart(s	nut-in pres	sure read	ched static level,	hydrostatic pr	ressures, bottom l	hole temp	erature, fluid
Drill Stem Tests Taken (Attach Additional S		<b>∠</b> Y	es 🗌 No		<b></b> ✓L	og Formatio	n (Top), Depth	n and Datum	_	Sample
Samples Sent to Geo	ogical Survey	<b></b> ✓ Y	es 🗌 No		Nam	=		Top Attached	-	Datum ttached
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy		☐ Y4 ☑ Y4 ☑ Y	es 🗌 No		Attached Attached A					
List All E. Logs Run: Attached										
		Repo		RECORD	✓ Ne	w Used	ion, etc.			
Purpose of String	Size Hole Drilled	Siz	ze Casing t (In O.D.)	Wei	ight / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent Additives
Surface	12.25	8.625		23		223	Common	165	3% CC	C, 2% Gel
Production	7.875	5.50		15.5		4643	EA-2	200	-	
			ADDITIONAL	CEMENT	INC / COL	IEEZE RECORD				
Purpose:	Depth	ADDITIONAL CEMENTING / SQUEEZE RECORD  Type of Cement  # Sacks Used  Type and Percent Additives					ŝ	· ·		
Perforate Protect Casing Plug Back TD	Top Bottom 0-2383	SMD	***		•					
Plug Off Zone	-									
Shots Per Foot	PERFORAT Specify	ON RECOR	RD - Bridge Plug Each interval Per	s Set/Type forated			ecture, Shot, Cer mount and Kind o	ment Squeeze Reco of Material Used)	rd	Depth
4	4478-4484					600Gals. 15	% MCA Acid	j .		4478-4484
			1				· <del></del>			
TUBING RECORD:	Size: 2.875	Set At 4595	:	Packer /	At:	Liner Run:	Yes ✓	] No		
Date of First, Resumed 06/29/2011	Production, SWD or EN	NHR.	Producing Met	hod:	ng 🗌	Gas Lift	Other (Explain) _			
Estimated Production Per 24 Hours	Oil 46	Bbls.	Gas 0	Mcf	Wa	er E	Bbis.	Gas-Oil Ratio		Gravity
DISPOSITI	ON OF GAS:			METHOD O	F COMPL	ETION:		PRODUCT	ION INTER	₹VAL:
Vented Solo			_	Perf.	Duali (Submit	y Comp. 🔲 Co	mmingled omit ACO-4)	4478-4484		

Form	ACO1 - Well Completion	
Operator	Grand Mesa Operating Company	
Well Name	Hess 2-33	· _
Doc ID	1060650	

### All Electric Logs Run

CPDCN Microresistivity Log			
Al Shallow Focused Elect. Log			
Microresistivity Log	<u> </u>	 	
Dual Receiver Cement Bond Log			

Form	ACO1 - Well Completion	
Operator	Grand Mesa Operating Company	
Well Name	Hess 2-33	
Doc ID	1060650	

### Tops

Stone Corral	2364	+513
Bs/Stone Corral	2387	+490
Heebner	3874	-997
Lansing	3918	-1041
Muncie Creek	4067	-1190
Stark	4156	-1279
Marmaton	4260	-1383
Little Osage	4380	-1503
Morrow	4496	-1619
Mississippian	4528	-1651
LTD	4647	
		· · · · · · · · · · · · · · · · · · ·

a	CONSOLIDATE OR WAS Services, L	

TICKET NUME	SER 28020
	Makley Ks
FOREMAN	Walt Dinkel

	II Well Service	m, LLG				FOREMAN	Walt Dink	ce [
		FIEL	D TICKET	& TREAT	MENT REP	ORT	Pat Heule	
Box 884, Ch	anute, KS 6672 r 800-467-8676	2 <b>U</b>		CEMEN.				Ks_
DATE	CUSTOMER#	WELL	NAME & NUMBE	R	SECTION	TOWNSHIP	RANGE	COUNTY
		ļ. <u> </u>			33	133	316	GOUR
- 27-11 STOMER	3372	Hes	<del>3 -2 -37</del>				TRUCK#	DRIVER
6 ran	D Mesa	Operation		'	TRUCK#	DRIVER	1	DIGITAL
ILING ADDRE	SS		١		456-T118_	Jim Wood	). )4	
					.566	Damin M	Her	
Υ		STATE	ZIP CODE				<del>   </del>	
					L		WEIGHT 85/8	- 20#
R TYPE SA	rFace-O	HOLE SIZE	1244	HOLE DEPTI	1_223`	CASING SIZE & V	WEIGHT DEA	
SING DEPTH	223	DRILL PIPE		TUBING			OTHER	20'
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DI ACEMEN	-17 3/a 801	DISPLACEMEN"		MIX PSI	<u> </u>	RATE	<u> </u>	<u> </u>
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Ravin 3737		Mo			Pusher		SALES TAX ESTIMATED TOTAL DATE	4256

AUTHORIZTION SOUTHERNY !! (MY) I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

INR	LOG
JUD	LVU

# SWIFT Services, Inc.

DATE 9-1/ PAGENO

TOMER	d Me	sa	WELL NO.			255	JOB TYPE 2-Stage TICKET NO. 9801
ART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1935	,					onlos WIFE
	1						RTD 4650'
							55"X 15,5 X 4648' X 21'
							Cent. 2,4,5,6,7,9, 12,15,54
							Bock 2.55
							DV. Top55 @ 2383'
	1955						Start FE
	2230					<u> </u>	Break Circ Maldel
	2295	4	0			250	Start Pret 20 AN KEL Plush
		5,5	32/0			300	Start Cement 1755Ks EA-2
	2253	د , د.				300	End Cement
	2301		42		<u> </u>		wash Pth
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	3 79 75 00		0		<u> </u>	tran	Drop D.V. L.D. Plug Start Displacement with
	2305	6			<u> </u>	150	Much Much
	23/5	6	60 89			200	<del></del>
		5-			7,	300	Catch Cement
	2325		110			1400	Release Pressure
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						<u> </u>	Flugt held
	2328						Drop Opening Plug
	2350					1100	Open D.U.
						ļ	Circ 2 hrs
	0130	2,5	7/5				Plug BH +MH 25/15 0 ks SMI
	0140	4.5	0		<u> </u>	150	Start KCL flush
	0145	65	20/0			300	Start SMD Cenest 260 SMD
	0310		144				End Coment / Connect Circulate
							Drop Closing Plug
	02/3	6	0			150	Start Displacement
	0215	4	15		·	200	Catch Comet
	0724		5-1			450	Land Plug
						1500	Close DV
•							Pelease Prossyre
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	<del> </del>	1. 6.6.7 10 k	1254/1	all -	_	+	Mick, Josh E, David, and

SWIFT Services, Inc. DATE 07-20-11 **JOB LOG** JOB TYPE ACIDIZETERS TICKET NO. CUSTOMER GILANDMESS WELL NO. 233 PUMPS PRESSURE (PSI) DESCRIPTION OF OPERATION AND MATERIALS TIME Τc TUBING CASING 0845 DNOCHON ACU: 600 6/2 15 1/2 MCA 27815/2 PELES 4478-84 SPOTACIO, PUR 4523 0850 SET AND, AND 44160 START ACIA 2500 3.5 27 D « FLUSH 14 0 كحك 0 ەك 0 *ე*.ა 7.0 0 4.0 90 دی 4.0 14,2 చ్రు IST VAC OGOU 0 COND 40/2666 Jab complete 030 THAMMOUS DAVE + JOSH B

#### **OPERATING COMPANY**

(316) 265-3000 FAX: (316) 265-3455 1700 N. WATERFRONT PARKWAY BLDG. 600 WICHITA, KANSAS 67206-5514

October 10, 2011

Ritchie Exploration, Inc. 8100 E. 22<sup>nd</sup> North, Bldg 700 Wichita, KS 67226

RE:

Application for Commingling

Hess #2-33; SW/NW/NE/NW Sec. 33-13S-31W

Gove County, Kansas

To Whom It May Concern:

Per Kansas Corporation Commission (KCC) regulations 82-3-123 and 82-3-135(a) Grand Mesa Operating Company is providing notice to you regarding the commingling of wellbore production in the above-described well. Please find the attached "APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS", KCC form ACO-4. If you have any questions, please contact me at (316) 265-3000.

Very truly yours,

GRAND MESA OPERATING COMPANY

Ronald N. Sincla

President

RNS;peb

Enclosures

#### **AFFIDAVIT**

STATE OF KANSAS

SS.

County of Sedgwick

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for \_1\_ issues, that the first publication of said notice was

made as aforesaid on the 12th of

October A.D. 2011, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Subscribed and sworn to before me this

12th day of October, 2011

PENNY L 回回 Notary Public My Appt. Expires (

Notary Public Sedgwick County, Kansas

Printer's Fee: \$110.80

#### **LEGAL PUBLICATION**

PUBLISHED IN THE WICHITA EAGLE OCTOBER 12, 2011 (3146662) DEFORE THE STATE CORPORATION

COMMISSION
OF THE STATE CORPORATION
COMMISSION
OF THE STATE OF KANSAS
MOTICE OF FILING APPLICATION
RE: Grand Mesa Operating Company,
License #9855 - Application for a commingling
of production for the Hess #2-33, located in
Gove County, Kansas.
TO: All Oil & Gas Producers, Unleased
Mineral Interest Owners, Landowners and all
persons concerned.
You, and each of you, are hereby notified that
Grand Mesa Operating Company - has filled

persons concerned.
You, and each of you, are hereby notified that Grand Mesa Operating Company - has filed an application for commingling production or fluids from the Lansing/KC, Ft. Scott and Johnson Formations. The subject well, the Hess #2-33, is located 485 feet from the north line and 1540 feet from the west line in the SW NW NE NW of Section 33, Township 13 South, Range 31 West, Gove County, Kansas.
Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days of the publication of this notice. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.
All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Grand Mesa Operating Company Ronald M. Sinclair, President 1700 N. Waterfront PEW. Blida 600

Ronald M. Sinclair, President 1700 N. Waterfront Pkwy, Bldg 600 Wichita, KS 67206-5514 (316) 265-3000

#### AFFIDAVIT OF PUBLICATION State of Kansas. Gove County, ss:

Roxanne Br	oeckelman	
being first duly	sworn, deposes	and
says: That	she	is
co-publ	isher	O <sup>†</sup>

Gove County Advocate, a weekly newspaper printed in the State of Kansas, and published in and of general circulation in Gove County, Kansas, with a general paid circulation on a weekly basis in Gove County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a weekly published at least 50 times a year: and has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office in Quinter in said county as periodical class mail matter.

That the attached notice is a true copy thereof and was published in

the regular and entire issue of said					
newspaper for <u>o</u> consecutive wee publication thereof	k(s), t				
aforesaid on the	12th	day			
of October , 2011, with subsequent publications being made on the following dates:					
		_,			
		_,			
Printer's Fee	\$_ <u>c</u>	2315			
Additional Copies .	\$_				
Affidavit Fees	\$_	200			
Affidavit Fees Total Publication Fe	es .\$ <u>.</u> XVN	2519 Oman			
Subscribed and sw					
this12th		day of			
October		2011			

My commission expires: January 8, 2013

2011

Notary Public

#### LEGAL ADVERTISING

(Published in the Gove County Advocate, Quinter, KS, Wed., October 12, 2011 - 1t)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS NOTICE OF FILING APPLICATION

RE: Grand Mesa Operating Company, License #9855- Application for a commingling of production for the Hess #2-33, located in Gove County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners and all persons concerned.

You, and each of you, are hereby notified that Grand Mesa Operating Company - has filed an application for commingling production or fluids from the Lansing/KC, Ft. Scott and Johnson Formations. The subject well, the Hess #2-33, is located 485 feet from the north line and 1540 feet from the west line in the SW NW NE NW of Section 33, Township 13 South, Range 31 West, Gove County, Kansas.

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All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Grand Mesa Operating Company, Ronald N. Sinclair, President, 1700 N. Waterfront Pkwy., Bldg. 600, Wichita, KS 67206-5514. (316) 265-3000 eli alla alla medit ce y

LINDA L. ZERR NOTARY PUBLIC STATE OF KANSAS My Appt. Exp.

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

October 27, 2011

Ronald N. Sinclair 1700 N Waterfront Pkwy, Bldg 600 Wichita, KS 57206-5514

RE: Approved Commingling CO101105

Hess 2-33, Sec.33-T13S-R31W, Gove County

API No. 15-063-21910-00-01

Dear Mr. Sinclair:

Your Application for Commingling (ACO-4) for the above described well has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period. This application, which was received by the KCC on October 13, 2011 concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

		Estimated Current Production		
Source of Supply	BOPD	MCFPD	BWPD	Perf Depth
Lansing/KC	31	0	0	4084-4089
Ft. Scott	30	0	0	4359-4365
Johnson	46	0	12	4478-4484
Total Estimated Current Production	107	0	12	

Based upon the depth of the Johnson formation perforations, total oil production shall not exceed 200 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

Commingling ID number CO101105 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann Production Department