

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1316155

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: State: Zip:+	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	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: Original Total Depth:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West 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 Approved by: Date:										



Operator Name:			Well #:							
Sec Twp	S. R	East West	County:							
open and closed, flow	ring and shut-in pressu	ormations penetrated. Dres, whether shut-in preith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott					
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log			
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth an		Sample			
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	9		Тор	Datum			
Cores Taken Electric Log Run		Yes No								
List All E. Logs Run:										
		0.0000								
		CASING Report all strings set-o	RECORD Ne onductor, surface, inte		ion, etc.					
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives			
Durmaga	Depth		CEMENTING / SQU	EEZE RECORD						
Purpose: Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives						
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrou	ulia fracturing tractment or	a this well?		Yes	No (If No, ski	n quantiana 2 an	(d 2)			
	ulic fracturing treatment or otal base fluid of the hydra	aulic fracturing treatment ex	ceed 350,000 gallons?	= =	= ' '	p questions 2 an p question 3)	u 3)			
Was the hydraulic fractur	ring treatment information	submitted to the chemical o	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)			
Shots Per Foot		N RECORD - Bridge Plug			cture, Shot, Cement					
	Specify Fo	ootage of Each Interval Perf	orated	(Ai	mount and Kind of Ma	terial Used)	Depth			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		l			
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth		Gas Lift C	Other <i>(Explain)</i>					
Estimated Production Per 24 Hours	Oil B		Mcf Wate			as-Oil Ratio	Gravity			
DISPOSITIO	ON OF GAS:		METHOD OF COMPLE	TION:		PRODUCTIO	DN INTERVAL:			
Vented Sold		Open Hole	Perf. Dually	Comp. Cor	mmingled	1110000110	TO THE LANGE.			
	bmit ACO-18.)	Other (Specify)	(Submit A	ACO-5) (Sub	mit ACO-4)					

Form	ACO1 - Well Completion
Operator	JRG Petroleum LLC
Well Name	TOM 1
Doc ID	1316155

Tops

Name	Тор	Datum				
Elgin	3363	-1809				
Heebner	3513	-1959				
Douglas	3547	-1993				
Brown Lime	3691	-2137				
Lansing	3701	-2147				
Stark	4042	-2488				
Marmaton	4153	-2599				
Mississippi	4198	-2648				
Kinderhook	4339	-2785				
Viola	4439	-2885				
Simpson Shale	4511	-2957				
Simpson Sand	4523	-2969				

Form	ACO1 - Well Completion
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Well Name	TOM 1
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	4477-4455	Acid:1000 gal 15% HCl, 1000 gal MCA	
3	4444-4447	3000 gal 15% HCl, 3000 gal MCA	
2	4224-4204	3000 gal 15% HCl, 3000 gal MCA	
	CIBP		4410
		70% N2 foam frac, 50K#prop, 43566 gal foam, 367BBL fluid	4444-4455
		60% N2 foam frac, 34K#prop, 29500 gal foam, 318bbl fluid	

Form	ACO1 - Well Completion
Operator	JRG Petroleum LLC
Well Name	TOM 1
Doc ID	1316155

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	13.375	8.625	23.	262	common	180	2%CaCl
Production	7.875	4.5	11.6	4524	AA 2		10% salt, 2% gel, 3/4\$% CFR-2 & 5# Gilsonite



Figure 1 Station Pratt, ransas Goding Toppe 5 Feet County Barber Ransas Type Job C. N. W Surface PIPE DATA PERFORATING DATA PERFORATION OF THE PRESS ISIP 5 Min. 10 Mi	Gystomer Petroleum, LLC											Date	11	1 -	7 1		
Popply Part Transas Oggling Papply Steet County Barber Regions as Type July Performation Lagar Despitation 2W	Lease					W	ell# 1							<u> </u>	TC	<u>p.</u>	
Type Job C N W - Surface PERFORATING DATA PERFORMANCE OF THE PRESS ISIP STORE TO 28 Cat 1 CM Mal Locide, 25 Lb 1855 C-11 Tat Text To Min. Man Press From To From To 15,6 Lb 1875, 23 Cad 15th Mal 20 cu 17 T. 15th Min. Man Press From To From To Flush 16 Bb 1875 Wall Company to Total Load Annulus Pressure Total Load Annulus Pressure Total Load Annulus Pressure Total Load Annulus Pressure Total Code	Field Order #		1 Pr	att.	ran	595			Gasinda			Count	y Bo	irber		State IT (A)	1595
PEPE DATA PERFORATING DATA PERFORM DAT	Tuna lab											Legal Description 12W					<u> </u>
Depth From To 28 Calc Lim L	PIPI	_			ORAT	ΓING	DATA		feed (JSED			TREA	ATMENT	RESUME		
Depth From To 28 Calc Lim L	Caslfib Size	Tubing Siz	ze .	Shots/F		18	0500	ATOPE	COMM	an Cemen	WITH		L	ESS			
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Total Control of the pressure From To Here		Volume		From.		To \	5.6 Ll			3Gal.15h	Min 20	CU. F	T. 1	sk:			
Supplementary Variety From To Flush 16 Bb Fresh Water Volume Total Load Department of the L	Max Press 250/51.	3.4		From		To		PREC	· ′ ————					· · · ·			
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energy services, L.P.

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Customer	Pelio	leum		Lease No.			Date								
Lease To				Well #					4/27/16						
Field Order	1.5			Casing /	Dep	4/53/	County	her		State					
Type Job	Land	Sture			V(1)		Formatio			Legal D	Description				
PIP	E DATA	~ //	FORATII	NG DATA		FLUID U	SED		TRE		RESUME				
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Max Press	Max Pres	From	7	<u> </u>	Fra	ıc		Avg			15 Min.				
Well Connecti	ion Annulus \	/ol. From		<u>o</u>	<u> </u>			HHP Use	d		Annulus I	Pressure			
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Service Units	70752	27463	7095	9 2101	0			<u> </u>							
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Field Order	Statio	Prost	. k <		Casing	Depth	4/531	County	Bacher		State
Type Job	1/2 10	n4 5/2	inst		CNUI	Formation	_		Legal De	escription	17
PIP	E DATA	PER	FORATIN	IG DATA	FLUID	USED		TI	REATMENT	RESUME	
Casing Size	Tubing Si	ize Shots/	Ft		Acid	· · · ·		RATE	PRESS	ISIP	
Depth 5.3	Depth	From	. То	, ,	Pre Pad		Мах			5 Min.	
Volume	Volume		- 3 To	. 3	Pad -	* , - *	Min	-#· ·	· · · · · · · · · · · · · · · · · · ·	10 Min	1.
Max Press	Max Pres	s From	To)	Frac		Avg			15 Min.	
Well Connecti	on Annulus \	Vol. From	т)			HHP Used		,	Annulus Pr	essure
Plug Depth	Packer D	epth From	То)	Flush		Gas Volum	- 1		Total Load	
Customer Re	presentative	TR COC	iffin	Statio	n Manager	in G	prolle	Treate	Soll	Carcu	
Service Units	70752	27463	7195		0						,
Driver Names	50011	Mike	Boch	<u> </u>	<u>. </u>				<u> </u>		
Time	Casing Pressure	Tubing Pressure	Bbls. P	umped	Rate		· .	· - · · ·	Service Log		
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Customer Lease	Police	bum	//C Le	ease No.					Date Z	//	/			
Field Order #		Post	h.C		<u> </u>	asing	O O Depl	211201	County	15	15/1		State	(23
Type Job			CNW Formation						Legal De	escription 3		1-12		
PIPE DATA PERFORATING DATA			FLUID USED				-	ΓRΕΑΤ	MENT	RESUME	,			
Casing Size	Size Tubing Size Shots/Ft		Acid			RATE PRESS		ISIP						
Depth 10711	Depth	From To		Pre Pad		Max				5 Min.				
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Max Press	Max Press	From	То	·	Frac			Avg HHP Used				15 Min. Annulus P	ressure	
Well Connection 472 D. P. Plug Depth	Packer Dept	FIOIII	То		Flush	<u>. </u>		Gas Volume			Total Load			
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Prepared For: JRG Petroleum

PO Box 149 Medicine Lodge, KS 67104

ATTN: DJ Rebel

Tom #1

31-31s-12w Barber,KS

Start Date: 2016.04.20 @ 21:51:07 End Date: 2016.04.21 @ 03:36:37 Job Ticket #: 57988 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.04.21 @ 08:28:37



JRG Petroleum

31-31s-12w Barber, KS

PO Box 149

Tom #1

Medicine Lodge, KS 67104

Job Ticket: 57988

DST#: 1

ATTN: DJ Rebel

Test Start: 2016.04.20 @ 21:51:07

GENERAL INFORMATION:

Formation: Simpson

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Tester: Leal Cason

> Unit No: 74

Time Tool Opened: 00:20:37 Time Test Ended: 03:36:37

4497.00 ft (KB) To 4531.00 ft (KB) (TVD)

1548.00 ft (KB)

Reference Elevations:

1543.00 ft (CF)

Total Depth: 4531.00 ft (KB) (TVD) Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8525 Press@RunDepth: Inside

73.22 psig @

4498.00 ft (KB)

Capacity: 2016.04.21 Last Calib.: 8000.00 psig

Start Date: Start Time:

Interval:

2016.04.20 21:51:08 End Date: End Time:

03:36:37

Time On Btm: 2016.04.21 @ 00:09:37

2016.04.21

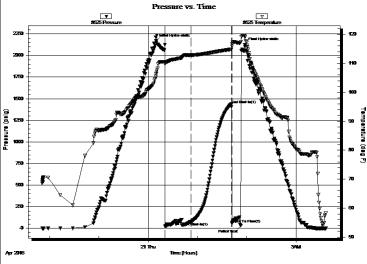
Time Off Btm:

2016.04.21 @ 01:57:37

TEST COMMENT: IF: Weak 1/4 inch Blow

ISI: No Blow Back

FF: Weak Surface Blow, Pulled @ 10 minutes



	PRESSURE SUMMARY								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2166.17	106.25	Initial Hydro-static					
	11	25.02	109.83	Open To Flow (1)					
	43	73.22	112.82	Shut-In(1)					
_	92	1436.33	114.83	End Shut-In(1)					
Temperature (deg F)	93	56.02	115.84	Open To Flow (2)					
ratura	104	30.69	117.32	Pulled Test					
(d e	108	2124.81	119.24	Final Hydro-static					
J									

Recovery

Length (ft)	Description	Volume (bbl)
0.00	55 GIP	0.00
5.00	Mud	0.02

Gas Rat	es	
Chalm (inahaa)	Dragging (nois)	Coo Doto (Mof/d)

Trilobite Testing, Inc Ref. No: 57988 Printed: 2016.04.21 @ 08:28:37



JRG Petroleum

31-31s-12w Barber, KS

Test Type: Conventional Bottom Hole (Initial)

PO Box 149

Medicine Lodge, KS 67104

Tom #1

Job Ticket: 57988

DST#: 1

ATTN: DJ Rebel Test Start: 2016.04.20 @ 21:51:07

GENERAL INFORMATION:

Formation: Simpson

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:20:37 Tester: Leal Cason 74

Time Test Ended: 03:36:37 Unit No:

4497.00 ft (KB) To 4531.00 ft (KB) (TVD) Reference Elevations: Interval: 1548.00 ft (KB)

Total Depth: 4531.00 ft (KB) (TVD) 1543.00 ft (CF)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 5.00 ft

Serial #: 6806 Outside

4498.00 ft (KB) Press@RunDepth: psig @ Capacity: 8000.00 psig

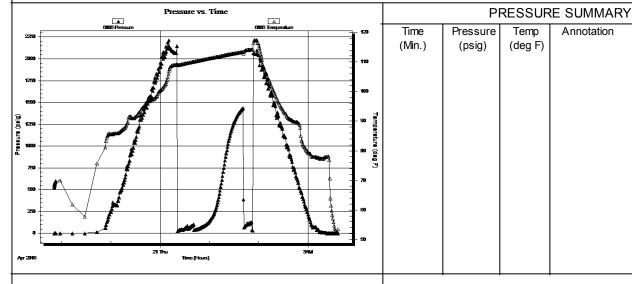
Start Date: 2016.04.20 End Date: 2016.04.21 Last Calib.: 2016.04.21

Start Time: 21:51:08 End Time: 03:36:37 Time On Btm: Time Off Btm:

TEST COMMENT: IF: Weak 1/4 inch Blow

ISI: No Blow Back

FF: Weak Surface Blow, Pulled @ 10 minutes



Recovery

Description	Volume (bbl)
55 GIP	0.00
Mud	0.02
	55 GIP

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc Printed: 2016.04.21 @ 08:28:37 Ref. No: 57988



TOOL DIAGRAM

JRG Petroleum

ATTN: DJ Rebel

31-31s-12w Barber, KS

PO Box 149

Tom #1 Job Ticket: 57988

DST#: 1

lb

Medicine Lodge, KS 67104

Test Start: 2016.04.20 @ 21:51:07

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4368.00 ft Diameter: Length:

0.00 ft Diameter: 121.00 ft Diameter:

2

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume: Total Volume:

61.27 bbl 0.00 bbl 0.60 bbl 61.87 bbl

Tool Weight: 2100.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose:

Tool Chased ft String Weight: Initial 60000.00 lb

Final

Drill Pipe Above KB: 18.00 ft Depth to Top Packer: 4497.00 ft

Depth to Bottom Packer: ft Interval between Packers: 34.00 ft Tool Length: 60.00 ft

Number of Packers:

Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4476.00		
Hydraulic tool	5.00			4481.00		
Jars	5.00			4486.00		
Safety Joint	2.00			4488.00		
Packer	5.00			4493.00	26.00	Bottom Of Top Packer
Packer	4.00			4497.00		
Stubb	1.00			4498.00		
Recorder	0.00	8525	Inside	4498.00		
Recorder	0.00	6806	Outside	4498.00		
Perforations	30.00			4528.00		
Bullnose	3.00			4531.00	34.00	Bottom Packers & Anchor

Total Tool Length: 60.00

Trilobite Testing, Inc Ref. No: 57988 Printed: 2016.04.21 @ 08:28:38



FLUID SUMMARY

JRG Petroleum 31-31s-12w Barber, KS

PO Box 149 **Tom #1**

Medicine Lodge, KS 67104

Job Ticket: 57988

DST#:1

ATTN: DJ Rebel Test Start: 2016.04.20 @ 21:51:07

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:58.00 sec/qtCushion Volume:bbl

Water Loss: 9.59 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl	
0.00	55 GIP	0.000	
5.00	Mud	0.025	

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57988 Printed: 2016.04.21 @ 08:28:38

80

90

Temperature (deg F)

110

120

100

60

70

50

80

90

Temperature (deg F)

100

110

120

50

60

70



Initial Shut-In____

Final Flow ___

Final Shut-In_

Test Ticket

Sub Total $_0$

Total

1535.00

MP/DST Disc't _____

4/10		Commerce Parkwa	ay • Hays, Kansas 6	67601	NO.	57988	
Well Name & No.	To	n 1		Test No	i	Date 04/20/	16
Company JR				Elevation	1548	KB 1543	GL
				1g0, KS 67			
Co. Rep / Geo. D	TR	ebel		Rigwww	14		
Location: Sec.	31	Twp. 315	Rge12 &	co. Barbe	26	State K.S	
Interval Tested 4				simpson			
Anchor Length		7		4368	Μι	ud Wt. <u> </u>	
Top Packer Depth		1149		lun		5 8	
Bottom Packer Depth						9.6	
Total Depth		11		6000 ppm		M_10	
Blow Description I			ch Blow				
ISI: NO BIC							
FF: Weak S	suffai	ce Blow Pu	alled @ 10 p	ninutes			
Rec55	Feet of _	GIP		%gas	%oil	%water	%mud
Rec5	Feet of _	Mud		%gas	%oil	%water	%mud
Rec	Feet of _	200		%gas	%oil	%water	%mud
Rec	Feet of _			%gas	%oil	%water	%mud
Rec	Feet of _			%gas	%oil	%water	%mud
Rec Total	5	внт <i>ј20</i>	Gravity VIC	APIRWN/C	MC°FC	Chlorides N/C	ppm
(A) Initial Hydrostatic		2/66	Test_1150		T-On Loca	ation 20:45	
(B) First Initial Flow		25	Jars250	WI	T-Started	21:51	
(C) First Final Flow		73	Safety Joint_	75	T-Open	00:20	
(D) Initial Shut-In		1436			T-Pulled _	01:32	
(E) Second Initial Flow	4	5-6	☐ Hourly Stand	by	T-Out		
(F) Second Final Flow		30	Mileage	(80° 60	Comment	S	
(G) Final Shut-In		NIA	□ Sampler				
(H) Final Hydrostatic_		2125	□ Straddle		- 🔲 Ruine	d Shale Packer	
				ſ	SEALCY TO SECURIORIES	d Packer	
Initial Open		30					

Approved By Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Accessibility _______1535.00

Sub Total

☐ Extra Recorder

☐ Day Standby _____

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



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

Sam Brownback, Governor

Jay Scott Emler, Chairman Shari Feist Albrecht, Commissioner Pat Apple, Commissioner

September 12, 2016

JR Griffin JRG Petroleum LLC PO BOX 149 MEDICINE LODGE, KS 67104

Re: ACO-1 API 15-007-24301-00-00 TOM 1 NE/4 Sec.31-31S-12W Barber County, Kansas

Dear JR Griffin:

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 4/14/2016 and the ACO-1 was received on September 06, 2016 (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