



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1088623
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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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 III Approved by: _____ Date: _____

1088623

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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 Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	EnCana Oil & Gas (USA) Inc.
Well Name	Jasper 12V 1 SWD
Doc ID	1088623

All Electric Logs Run

Caliper
Microlog
Porosity, orig & rev1
Resistivity, orig & rev1
LAS-main,repeat,pex-exs-mlt main, pex-exs-mlt repeat, msip-fmi-hngs main, msip-fmi-hngs repeat
mudlog
cbl

Form	ACO1 - Well Completion
Operator	EnCana Oil & Gas (USA) Inc.
Well Name	Jasper 12V 1 SWD
Doc ID	1088623

Tops

Name	Top	Datum
Stone Corral Anhydrite	2130	696
Heebner Shale	3997	-1171
Pawnee	4452	-1626
Fort Scott	3997	-1746
Mississippian	4656	-1830
Gilmore City	4901	-2075
Viola	5012	-2186
Arbuckle	5120	-2294

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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 25, 2012

Sharon Cook
EnCana Oil & Gas (USA) Inc.
5851 LEGACY CIRCLE
PLANO, TX 75024

Re: ACO1
API 15-101-22380-00-00
Jasper 12V 1 SWD
SW/4 Sec.12-20S-29W
Lane 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,
Sharon Cook

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2936581	Quote #:	Sales Order #: 9636809
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Scotts, Steve	
Well Name: Jasper 12H 12V	Well #: 2 / 1	API/UWI #: 15-101-22381	
Field:	City (SAP): DIGHTON	County/Parish: Lane	State: Kansas
Legal Description: Section 12 Township 20S Range 29W			
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	16.5	267804	CARRILLO, EDUARDO Carrillo	16.5	371263	LUNA, JOSE A	16.5	480456
REDFEARN, BRADY Tanner	16.5	497317						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	165 mile	10988832	165 mile	11133699	165 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-05-2012	12	1	7-06-2012	4.5	3.5			

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	05 - Jul - 2012	12:00	CST
Job depth MD	2123. ft		Job Depth TVD	Job Started	05 - Jul - 2012	00:23	CST
Water Depth			Wk Ht Above Floor	Job Completed	05 - Jul - 2012	02:07	GMT
Perforation Depth (MD)	From		To	Departed Loc	05 - Jul - 2012	04:45	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Casing Open Hole				12.25				100.	2132.		
Preset Conductor	Unknown		14.	13.344	50.		J-55	100.			
Surface Casing	Unknown		9.625	8.921	36.			2132.			

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
V ASSY, INSR FLOAT, 9 5/8 LG, 8RD, F/ USE	1	EA		
FILLUP ASSY - 1.500 ID - 9-5/8 &	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	15	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
KIT, HALL WELD-A	1	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		
PLUG, CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		
SUGAR - GRANULATED	100	LB		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			

HALLIBURTON

Cementing Job Summary

Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	H
Stage Tool										Centralizers			
Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	ExtendaCem	EXTENDACEM (TM) SYSTEM (452981)			480.0	sacks	12.4	2.1	11.61		11.61		
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)											
	0.25 lbm	POLY-E-FLAKE (101216940)											
	11.607 Gal	FRESH WATER											
2	HalCem	HALCEM (TM) SYSTEM (452986)			280.0	sacks	15.6	1.2	5.32		5.32		
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)											
	0.125 lbm	POLY-E-FLAKE (101216940)											
	5.319 Gal	FRESH WATER											
3	Top Out Cement	CMT - STANDARD CEMENT (100003684)			200.0	sacks	15.6	1.18	5.25		5.25		
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)											
	5.245 Gal	FRESH WATER											
Calculated Values			Pressures			Volumes							
Displacement	161	Shut In: Instant	950 psi	Lost Returns	0	Cement Slurry	240	Pad					
Top Of Cement	Surface	5 Min		Cement Returns	80	Actual Displacement	161	Treatment					
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	421				
Rates													
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6						
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint									
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID						
The Information Stated Herein Is Correct				Customer Representative Signature									

HALLIBURTON


Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078		Ship To #: 2937774		Quote #:		Sales Order #: 9671164							
Customer: ENCANA OIL & GAS (USA) INC. - EBUS				Customer Rep: Stapleton, Kirk									
Well Name: Jasper 12V			Well #: 1		API/UWI #: 15-101-22381								
Field:		City (SAP): DIGHTON		County/Parish: Lane		State: Kansas							
Legal Description: Section 12 Township 20S Range 29W													
Contractor: Precision			Rig/Platform Name/Num: 207										
Job Purpose: Cement Intermediate Casing													
Well Type: Development Well				Job Type: Cement Intermediate Casing									
Sales Person: DAIGLE, COLTER			Srvc Supervisor: VILLARREAL, ARTURO			MBU ID Emp #: 106127							
Job Personnel													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #						
DALRYMPLE, BRIAN Kieth		10	456242	MENDOSA, VICTOR		10	442596						
				VILLARREAL, ARTURO		10	106127						
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
10025025	165 mile	10240236	165 mile	10872308	165 mile	11288858	165 mile						
11706673	165 mile												
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours						
7-17-12	4	0	7-18-12	6	3								
TOTAL				Total is the sum of each column separately									
Job				Job Times									
Formation Name				Date	Time	Time Zone							
Formation Depth (MD) Top		Bottom		Called Out									
Form Type		BHST		On Location									
Job depth MD		5174.6 ft		Job Depth TVD		5171. ft							
Water Depth		Wk Ht Above Floor		Job Started									
Perforation Depth (MD) From		To		Job Completed		26 - Jun - 2012 02:00 GMT							
Deparated Loc													
Well Data													
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft		
Intermediate Open Hole				8.75				750.	5211.	.	.		
Intermediate Casing	Unknown		7.	6.366	23.		N-80	..	5211.	.	.		
Surface Casing	Unknown		9.625	8.921	36.			.	2132.				
Sales/Rental/3rd Party (HES)													
Description						Qty	Qty uom	Depth	Supplier				
PLUG,CMTG, TOP,7,HWE,5.66 MIN/6.54 MAX CS						1	EA						
Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			
Miscellaneous Materials													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

HALLIBURTON

Cementing Job Summary

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Standard	CMT - STANDARD CEMENT (100003684)	205.0	sacks	15.6	1.18	5.2		5.2	
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	5.204 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement	196	Shut In: Instant		Lost Returns	N	Cement Slurry	43	Pad		
Top Of Cement	3625	5 Min		Cement Returns	N	Actual Displacement	196	Treatment		
Frac Gradient		15 Min		Spacers	5	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						
										

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2937774	Quote #:	Sales Order #: 9671164
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Stapleton, Kirk	
Well Name: Jasper 12V	Well #: 1	API/UWI #: 15-101-22381	
Field:	City (SAP): DIGHTON	County/Parish: Lane	State: Kansas
Legal Description: Section 12 Township 20S Range 29W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Precision	Rig/Platform Name/Num: 207		
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: DAIGLE, COLTER	Srv Supervisor: VILLARREAL, ARTURO	MBU ID Emp #: 106127	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/17/2012 14:30							GO OVER ROUT
Arrive at Location from Other Job or Site	07/17/2012 19:45							LOOK OVER FOR HAZARDS , PINCH POINTS TRIPPING HAZARDS OVER HEAD
Safety Huddle	07/17/2012 20:00							TEST WATER GOOD , TP=5174.63 , TD= 5171 , SHOE = 43.14 , HOLE 8 3/4 , PW-26 # N-80 , EX=9 5/8 ,2130, MUD 9.1 #
Rig-Up Equipment	07/17/2012 20:30							USE SPOTTERS
Safety Meeting	07/18/2012 02:55							STAY AWAY FROM LINES , ANY MAN HAS THE RIGHT TO SHUT JOB DOWN IF UNSAFE ,MAN LOOKING FOR RETURES, TOTAL WATER FOR JOB 200 BBLs
Test Lines	07/18/2012 03:02						3500.0	
Pump Spacer 1	07/18/2012 03:10		2	5			150.0	FRESH WATER
Pump Cement	07/18/2012 03:12		5	43			365.0	205 SKS @ 15.6 # TOP OF CMT 3625 FT , CASING BERST WITH 80 % =5792 26 # N-80
Drop Top Plug	07/18/2012 03:24							
Pump Displacement	07/18/2012 03:26		4	196			850.0	FRESH WATER 1.6 BBLs IN SHOE

Sold To # : 340078

Ship To # :2936581

Quote # :

Sales Order # : 9671164

SUMMIT Version: 7.3.0030

Wednesday, July 18, 2012 04:45:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	07/18/2012 04:15		3	20			1200. 0	TO 1775 PSI
Check Floats	07/18/2012 04:17							FLOATS HELD GOT 1 BBL BACK
Safety Huddle	07/18/2012 04:25							PINCH POINTS TRIPPING HAZARDS
Rig-Down Equipment	07/18/2012 04:30							USE FORK LEFT ,SPOTTERS
Depart Location Safety Meeting	07/18/2012 06:00							THANKS FOR USING HALLIBURTON

Sold To # : 340078

Ship To # :2936581

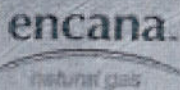
Quote # :

Sales Order # :

9671164

SUMMIT Version: 7.3.0030

Wednesday, July 18, 2012 04:45:00



EMERGENCY RESPONSE PLAN
U.S.A. DIVISION

EMERGENCY RESPONSE TRAINING REPORT

Document No:
ERP-0013
Revised By/Date:
Reviewed By/Date:
ERPComm/05.14.10
Approved By/Date:
ERPComm/05.14.10

Location: Ridge Date 30 AUG 11 Time 0800-1400

Topic: ERP-Advanced ICS ENC 310 Duration of Training

Instructor: J. MAUNNEY / C. CASAVAN Company: Encana

Meeting Type: Training Committee Meeting Look-Back/Lessons Learned Other (Explain):

Discipline Hosting

Drilling Completions Operations Construction Other

SUMMARY OF MEETING (must provide overall understanding of material presented or discussed)

PRESENTATION OF ADVANCED ICS + ERP TRAINING FOR ENCANIA

ATTENDANCE ROSTER (use separate sheet, if necessary)

Printed Name	Job Title	ERP Role	Signature
1. <u>NERISSA MONKES</u>	<u>ETS Field Tech</u>	<u>S.O. (interim)</u>	<u>[Signature]</u>
2. <u>DUSTY VASCOGN</u>	<u>Lease operator</u>	<u>First Responder - IC</u>	<u>[Signature]</u>
3. <u>MARK WELTON</u>	<u>LEASE OPERATOR</u>	<u>FIRST RESPONDER - IC</u>	<u>[Signature]</u>
4. <u>Randy Thomas</u>	<u>Lead Operator</u>	<u>First Responder - IC</u>	<u>[Signature]</u>
5. <u>Kenneth Wood</u>	<u>SWAT Lead</u>	<u>First Responder - IC</u>	<u>[Signature]</u>
6. <u>RICK STARRICK</u>	<u>C.P. Tech</u>	<u>FIRST RESPONDER - IC</u>	<u>[Signature]</u>
7. <u>Weylon Williams</u>	<u>Environment/Lease</u>	<u>Safety officer</u>	<u>[Signature]</u>
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

ABSENTEES (Provide name of absentee and reason (S - Sick, W - Working, P - Personal, RDO - Regular Day Off, Ex - Excused))

Name	Reason	Name	Reason
<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>