

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1070094

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WEII	HIGTORY	- DESCRIP	NFII &	IFAGE
				LLASL

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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:
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:	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes If yes, show depth set: Feet If Alternate II completion, cement circulated from: Feet feet depth to: w/ Sx cmt Sx cmt Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: State
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #: SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
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:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II Approved by: Date:							

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

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 Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes	No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No					
List All E. Logs Run:								
		Report all		RECORD No	ew Used ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	ļ		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۶.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit /		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Seltman 7
Doc ID	1070094

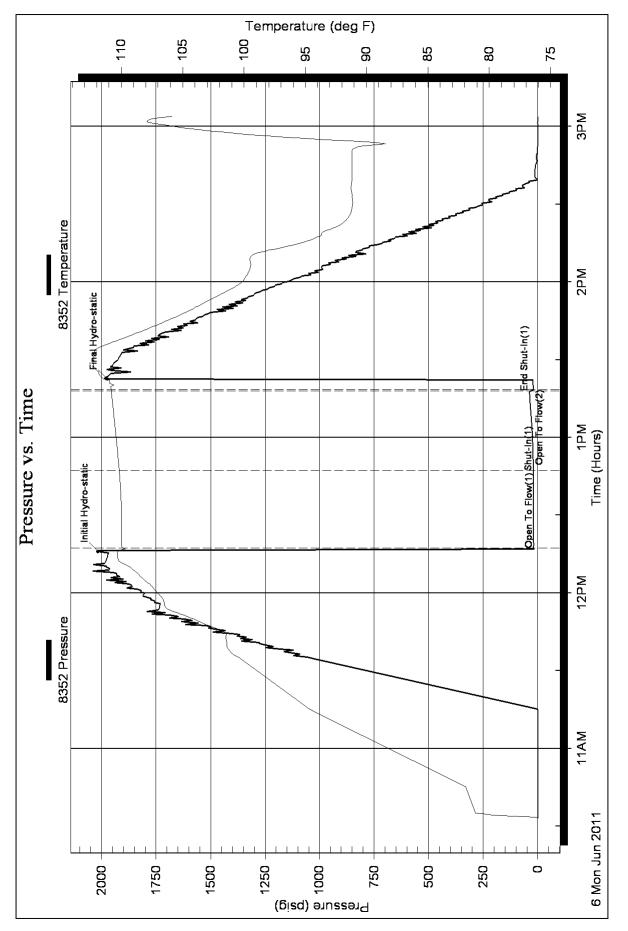
Tops

Name	Тор	Datum
Anhydrite	1305	793
Chase	2175	-77
Heebner	3538	-1440
Lansing	3582	-1484
ВКС	3891	-1793
Pawnee	3980	-1882
Ft. Scott	4038	-1940
Cherokee	4054	-1956
Mississippian	4145	-2045
LTD	4185	-2087

	DRILL STEM TES	T REP	ORT					
	American Warrior inc.		Seltmar	n #7				
ESTING , INC	POBox 399 Garden City Ks. 67846		24-18s-2 Job Ticket		s DST#	t · 1		
	ATTN: Jason Alm				06 @ 10:33:05			
GENERAL INFORMATION:								
Formation:Cher"A" SandDeviated:NoWhipstock:Time Tool Opened:12:17:10Time Test Ended:15:03:39	ft (KB)		Test Type Tester: Unit No:	Conver Andy C 39	ntional Bottom H Carreira	Hole		
Interval: 4050.00 ft (KB) To 4075.00 ft (KB) (TVD) Reference Elevations: 2098.0 Total Depth: 4075.00 ft (KB) (TVD) 2090.0 2090.0 Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 8.0								
Serial #: 8352 Outside Press@RunDepth: 19.30 psig Start Date: 2011.06.06 Start Time: 10:33:05	<pre>@ 4051.00 ft (KB) End Date: End Time:</pre>	2011.06.06 15:03:40	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2011.06.0 6.06 @ 12:15:5 6.06 @ 13:22:3	50		
TEST COMMENT: IF:(30min) Surge IS:(30min) No Re FF:No Blow , Flus								
Pressure vs. T			PRESS	URE SU	MMARY			
802 Presure 000 100 100 100 100 100 100 10	B302 Temperature Temperature	Time (Min.) 0 2 32 62 63 67	19.59 110	F) 28 Initial 90 Open 16 Shut- 82 End S 80 Open				
Recovery				Gas Rate	es			
Length (ft) Description	Volume (bbl)		Ch	oke (inches)	Pressure (psig)	Gas Rate (Mcf/d)		
2.00 Mud	0.01							

	OBITE	DRI	LL STEN	ITEST R	EPORT	-			UMMAR
		Americ	an Warrior inc.			Seltman #	¥7		
TESTING , INC		1 OBOX	POBox 399 Garden City Ks. 67846 ATTN: Jason Alm			24-18s-21v Job Ticket: (DST#:1	
	ATTN:	Test Start: 2011.06.06 @ 10:33:05							
lud and Cushion I	nformation								
/iscosity: 52.0 Vater Loss: 7.9 Resistivity:	00 lb/gal 00 sec/qt 98 in ³ ohm.m 00 ppm inches		Cushion Gas Cus	n Type: n Length: n Volume: shion Type: shion Pressure:		ft bbl psig	Oil API: Water Salinity:		deg AP ppm
Recovery Informati	ion		_						
	Leng	Ith		ery Table		Volume	Т		
	ft					bbl			
	Total Length:	2.00	Mud .00 ft Tota	I Volume:	0.010 bbl	0.010	긱		
	Recovery Com								





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042637 Ref. No:

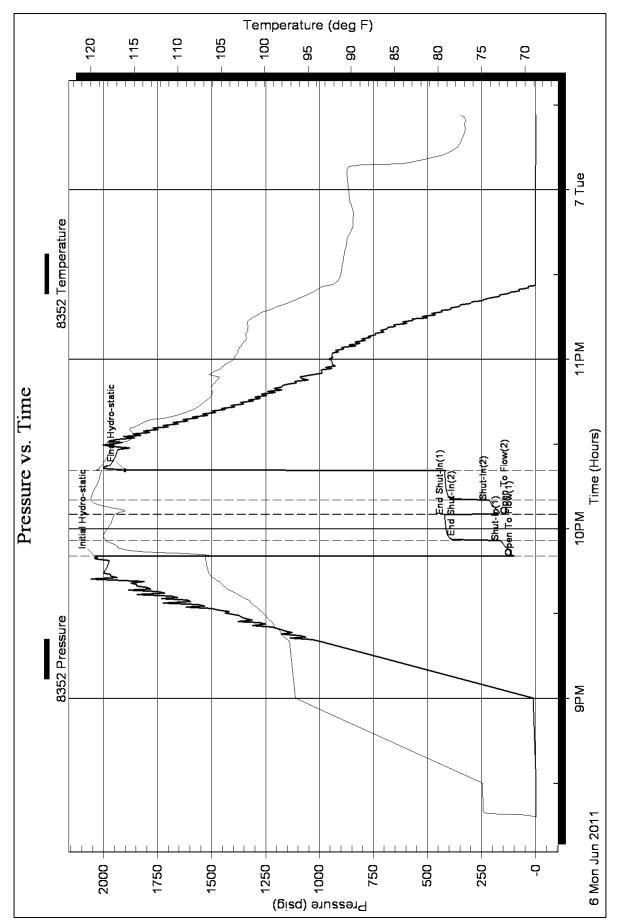
Trilobite Testing, Inc

	DRILL STEM TES	T REPO	ORT			
	American Warrior inc.		Seltr	man #7		
ESTING , IN	POBox 399 Garden City Ks. 67846		-	3s-21w N cket: 04263		[#:2
	ATTN: Jason Alm				.06.06 @ 20:18:0	
GENERAL INFORMATION: Formation: Cher"B" Sand Deviated: No Whipstock	ft (KB)		Test T		iventional Bottom	1 Hole
Time Tool Opened: 21:50:20 Time Test Ended: 00:26:10			Tester Unit No		dy Carreira	
Total Depth: 4100.00 ft (KB)	4100.00 ft (KB) (TVD) TVD) ble Condition: Fair		Refere	ence Elevat KB to G	2090	0.00 ft (KB) 0.00 ft (CF) 0.00 ft
Serial #: 8352OutsidePress@RunDepth:217.78 psigStart Date:2011.06.0Start Time:20:18:0	End Date:	2011.06.07 00:26:10	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 201	8000 2011.06 1.06.06 @ 21:49 1.06.06 @ 22:20	:40
TEST COMMENT: IF:(5min) BOB IS:(10min) No FF:(5min) BOE FS:(10min) No	Return , 2 min.					
Pressure v	. Time		PRE	SSURE	SUMMARY	
5352 Presure 2000 1750 1000 1220 100	11PM 7 Tue	Time (Min.) 0 1 6 16 16 21 31 31 31	(psig) (2032.75 99.80 163.61 419.38 170.40 217.78 417.37	(deg F) 106.84 Ini 106.20 Op 118.24 Sł 117.29 Er 117.08 Op 119.88 Sł 118.73 Er	Annotation itial Hydro-static pen To Flow (1) hut-ln(1) hd Shut-ln(1) pen To Flow (2) hut-ln(2) hd Shut-ln(2) nal Hydro-static	
Recovery				Gas F	Rates	
Length (ft) Description 325.00 MW	Volume (bbl) 4.27			Choke (inche	is) Pressure (psig)	Gas Rate (Mcf/d)
Trilohite Testing Inc	Ref No: 042638				11 06 07 @ 09:34	

		DRI	ILL STEM TEST R	EPOR	Г		FLUID S	UMMARY
	RILOBITE	Americ	can Warrior inc.		Seltman	#7		
	ESTING , INC	POBox	x 399		24-18s-21	v Ness		
	-		en City Ks. 67846		Job Ticket: (DST#:2	
		ATTN:	Jason Alm		Test Start: 2	2011.06.06 @ 2	20:18:05	
Mud and C	ushion Information							
Mud Type: G	Gel Chem		Cushion Type:			Oil A PI:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity	:	ppm
Viscosity: Water Loss:	52.00 sec/qt 7.95 in ³		Cushion Volume: Gas Cushion Type:		bbl			
Resistivity:	ohm.m		Gas Cushion Pressure:		psig			
Salinity:	8200.00 ppm							
Filter Cake:	inches							
Recovery Ir	mormation		Recovery Table					
	Leng	th	Description		Volume bbl			
		325.00	MW		4.272	2		
	Total Length:	325	5.00 ft Total Volume:	4.272 bbl				
	Num Fluid Samp Laboratory Nan Recovery Comr	ne:	Num Gas Bombs: Laboratory Location	0	Serial #	ţ		



24-18s-21w Ness



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Ref. No: 042638

Trilobite Testing, Inc

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Geological Report

American Warrior, Inc. Seltman #7 2200' FSL & 1850' FEL Sec. 24 T18s R21w Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Seltman #7 2200' FSL & 1850' FEL Sec. 24 T18s R21w Ness County, Kansas API # 15-135-25155-0000
Drilling Contractor:	Discovery Drilling Co., Inc. Rig #3
Geologist:	Jason Alm
Spud Date:	June 1, 2011
Completion Date:	June 8, 2011
Elevation:	2090' Ground Level 2098' Kelly Bushing
Directions:	Alexander KS, West 2.5 mi. on Hwy 96, North across railroad crossing ¹ / ₂ mi. into location.
Casing:	1317' 8 5/8" surface casing 4185' 5 1/2" production casing
Samples:	10' wet and dry, 3500' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	Log-Tech, Inc. "Jared Long, Daylan Kerr" CNL/CNL, DIL
Drillstem Tests:	Two, Trilobite Testing, Inc. "Andy Carreira"
Problems:	None
Remarks:	None

	American Warrior, Inc.
	Seltman #7
	Sec. 24 T18s R21w
Formation	2200' FSL & 1850' FEL
Anhydrite	1305', +793
Base	1340', +758
Heebner	3538', -1440
Lansing	3582', -1484
BKc	3891', -1793
Pawnee	3980', -1882
Fort Scott	4038', -1940
Cherokee	4054', -1956
Mississippian	4145', -2047
LTD	4185', -2087
RTD	4185', -2087

Formation Tops

Sample Zone Descriptions

 Cherokee A Sand (4062', -1964): Covered in DST #1 Ss – Quartz, fine to very fine grained, well sorted, sub-rounded, fairly cemented with poor inter-granular porosity, friable in part. light to fair scattered oil stain and saturation in porosity, show of free oil when broken, no odor, good yellow fluorescents, 12-16 units hotwire.
 Cherokee B Sand (4088', -1990): Covered in DST #2 Ss – Quartz, fine to coarse grained, fairly sorted, poorly cemented, sub-rounded with fair to good inter-granular porosity, very light scattered oil stain in cluster, mostly random grains, 4 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.

"Andy Carreira"

DST #1	Cherokee A Sand	
	Interval $(4050' - 4075')$ Anchor Length 25'	
	IHP – 2015 #	
	IFP -30 " – Dead	18-19 #
	ISI -30 " – Dead	37 #
	FFP -10 " – Dead	19 #
	FHP – 1973 #	
	BHT -110° F	

Recovery: 2' Mud

DST #2 Cherokee A Sand

Interva	al (4049' – 4100') Anchor Length 51'	
IHP	- 2032 #	
IFP	– 5" – B.O.B. 2 min.	99-163 #
ISI	– 10" – Dead	419 #
FFP	– 5" – B.O.B. 2 min.	170-217 #
FSI	– 10" – Dead	417 #
FHP	– 1899 #	
BHT	– 118°F	

Recovery: 325' Muddy Water

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Seltman #7	Seltman #6		Seltman #5	
	Sec. 24 T18s R21w	Sec. 24 T18s R21w		Sec. 24 T18s R21w	
Formation	2200' FSL & 1850' FEL	2181' FSL & 2560' FWL		2580' FNL & 2596' FEL	
Anhydrite	1305', +793	1303', +800	(-7)	1293', +806	(-13)
Base	1340', +758	1336', +767	(-9)	1327', +774	(-16)
Heebner	3538', -1440	3532', -1429	(-11)	3522', -1421	(-19)
Lansing	3582', -1484	3576', -1473	(-11)	3566', -1465	(-19)
BKc	3891', -1793	3887', -1784	(-9)	3877', -1776	(-17)
Pawnee	3980', -1882	3971', -1868	(-14)	3962', -1861	(-21)
Fort Scott	4038', -1940	4032', -1929	(-11)	4022', -1921	(-19)
Cherokee	4054', -1956	4048', -1945	(-11)	4038', -1937	(-19)
Mississippian	4145', -2047	4128', -2025	(-22)	4118', -2017	(-30)

Summary

The location for the Seltman #7 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted over the Cherokee Sands, both of which were negative. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing with plans of converting the Seltman #7 into an injection well to waterflood the Cherokee Sand.

Recommended Perforations

Cherokee B Sand:

(4088' - 4098')

DST #2

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.

Hard Rock Consulting, In	DATE	DEPTH	NO S	512E MAKE	11/7%	DEFIN OUT	RET	HOURS				DRILL STE	/ TESTS							T						
Jason Alm Petroleum Geologist P.O. Box 1260 Hays, KS 67601	5-135-25/55-0000									No. Interv	rel IFP/Ter	na 1537/78ma		SEP/Time SH-HS	4 RECOVER	¥		SARA	location 19.m.							
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OPERATOR American Warrior. Inc. LEASE Scitman Well NO. 7 FIELD Pabet LOCATION 2200' FSL & 1850' FEL SEC. 24 TWP. 18s RGE 21 W COUNTY Ness STATE Kansas	ELEVATION KB_ZO98' DF GL_ZO90' Measurements Are All From Kelly Bushing																001.Lime Chert Dolom	SCRIPTIONS	Ce		Fisule	ar to xla w/		o, Bother Col.		t : Fr x/a Osl.
Discovery Drilling Co. Inc. Rig #3 6-1-2011 4185' 4185' 3500' RTD	CASING RECORD SURFACE 8 1/8 "@ 1317" PRODUCTION 51/2"@ 4184"	FORSASTERN	WYERWAL.		LESCRIPTION O	F 969	•	JUGE AMAISSIE										CAMPI	LS. Ten-14 Gr	Ls.a/a	Sh. Bit, Carb.	Las Tan: 244	Sh- 614-Brn- 6	LS- PEtch Tem	Ls - ala, DNS Sh. by - Bm	Lspester to bood
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Anhydrite 1305' +793 1304' +794 -7 Base 1340' +758 1338' +760 -9 Chase 2175' -77 Heebner 3538' -1440 3539'-1441 -11 Lansing 3582' -1484 3584'-1486 -11 BKC 3891' -1793 3892'-1794 -9 Pawnee 3980' - 1882 3980'-1882 -14 Fort Scott 4038' -1940 4038'-1940 -11 Cherokee 4054' - 1956 4054'-1956 -11 Mississippian 4145' - 2047 4146' -2048 - 22 Total Depth 4185' - 2087 4185' - 2087	T185 R2/W Zel comp.									expected both of examine casing	d vie t which i which i with p	nic surve the surve wore neg decision lans of	y. The cy. Two chive. An was ma convert	lew well r drill stem "ter all ga de to ru	nen #7 Was tests were r thereol close n Ste inch pi tmen #7 int kee Soncl.	y GS Un WGS cuduction	Anhydrite Salt Sandate	DRILLING TIN Logarithmic So							M	
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Sh. bry Ben	LS. Offund. Lt, Gay, Fr xtr, Od.	by poor com & Benen, S-Witt. Sh. Ork by	1 - 1 - 11/ 5 / 6/	Lighton - Lt, long, Faxlas, Ool.	LS DN Son . Lt. Con, Subala, Ool.	Ls-ala, Mostly ONS		Ls-ala	Ls-cla	54 - 6m. Bin	LS-Ton. Lt. 6ry. Subela,	Sh- Gry-Ben	15. Ton-14 6 5 Lul	Colland SNS on Jokin		L & DAuhick Li Corrie of the Bert	sh. Gry. Brn	LS- Ton-Lt. Gry, Subela, DNS		Sh-Drk Ger. Gry	LS - Ten-Lt. Eng. Substa, DNS. Sh- Drk Eng. 13/k	sh. Gey-ben	Los-Ton- Gry, Subxla, DNS Sh- Gry. Bra. Gra	sh - a/a	LS. Offich Dits bay. Mothed.	Sh- boy-Bon	LS - Tanit to Cyn Sub xlm, DNS,	Ls-ala	Sh - Gry - Ben . Gen	Ls - Lt. Gry, Subuln, ONS	Ls- alq	Ls. ala	sh. BIK, Carb.	tertante chat muc	55: Quy (10.5/ Proted. F.	U. F. Ch. U. ell Sorte J. Hair Cen., Fair Royal, J. Hoor Herr R. G. Hr. For and Singer Pre- Li. Roth Fluer.	Shi boy. Bin: bink U. Fondy Borren, Many Remison br	Set Of the far Coarse of Parchy Set Pracity Jean Sub Rough 1. 19	60. 55-012. Fr-Mel Gry 4/211	St. Con-Brn- Con. A-Wht-	Sh- a/q	What - Fresh, Subula, ONS, J.	Dolo : AD - What For Successformed	Dolo-dD- alc	Dolo. Dr-ala	
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