Confidentiality Requested: Yes No

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

1205652

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:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd. 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	Duilling Fluid Management Dian
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
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
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	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:

	Page Two	1205652
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS: Chaw important tang of formations paratrated Da	tail all aaroo Danart all fin	al appiae of drill atoms toots giving interval tootad, time tool

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		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
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth	Turne of Operation	III On also I land		Turne and D		

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

Yes

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

(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, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	I Product	ion, SWD or ENHF	l.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF (GAS:			_				PRODUCTION INTER	VAL:
Vented Solo	l l	Used on Lease		Open Hole	Perf.	Uually (Submit A	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC	D-18.)		Other (Specify)		(,		





TICKET NU	MBER	4/1/9
LOCATION	Ottas	ua ils
FOREMAN	Fred	Mader

14 70

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

CEMENT	 -			1000010-00
	-	-	 	-

DATE CUSTOMER WELL NAME & NUMBER SEVILOR TOTAL DEPT-ILL VIVE DOACT WELL NAME & NUMBER SEVILOR TOTAL STOMER CALVES FYELF DEU NUMBER CALVES FYELF DEU NUMBER CALVES FOR THE CALVES OF PAUL STOMER TRUCK DERVER TRUCK DERVER 93.9.3 W 110 th S4 93.9.3 W 110 th S4 93.9.3 W 110 th S4 Due (land Park K KS U6210) Due (land Park K KS U6210) DI TRUCK DUE (Land KS	20-431-9210	pr 800-467-8676			CEMEN			TOURICHID	RANGE	COUNTY
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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 fc

AUTHORIZTION_

RECEIVED MAY 1 2 2014

Miami County, KS Well:Doherty KR-50 Lease Owner:Ks Res Esplo

Town Oilfield Service, Inc. (913) 837-8400 Commenced Spudding: 05/06/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
18	soil/clay	18
6	shale	24
22	lime	46
11	shale	57
4	lime	61
40	shale	101
15	lime	116
12	shale	128
26	lime	154
8	shale	162
18	lime	180
3	shale	183
16	lime	199
2	shale	201
2	sand and lime	203
15	sandy shale	218
6	shale	224
6	sand	230
21	sandy shale	251
66	shale	317
4	sand	321
. 5	sandy shale	326
10	sand and sandy shale	349
3	sandy lime	352
2	sand	354
4	sandy shale	359
10	shale	369
3	sandy lime	372
4	sandy lime	376
1	sandy lime	377
1	sandy lime	378
	sandy lime	379
1		
9	limeshale	388
6 4	lime	<u> </u>
4 4	broken sand	402
4	sand	406
22	sandy shale	428
2	coal	430
4	shale	434

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Miami County, KS Town Oilfield Service, Inc. Commenced Spudding: Well:Doherty KR-50 (913) 837-8400 05/06/2014

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3	lime	437
3	sandy lime	440
4	sand	444
12	shale	456
2	lime	458
3	slate	461
16	shale	477
6	lime and shale	483
21	shale	504
2 4	lime	506
3	shale	510
	slate	513
6	shale	519
2	lime	521
3	sand and lime	524
3	sandy shale	527
7	shale	531
2	lime	536
5	shale	541
5	slate	546
2	coal	548
3	sandy shale	551
9	shale	560
17	sand	577
1	sandy lime	578
11	broken sand	579
2	coal and shale	581
7	shale	588
3	lime and shale	591
3	shale	594
6	broken sand	600
2	broken sand	602
3	sandy shale	605
3	broken sand	608
2	broken sand	610
2	broken sand	612
2	sand	614
2	sandy lime	616
2	sand	618
1	sand	619
10	core	629
4	sand	633
13	shale	646
6	sandy lime	652
12	shale	664
6	sandy shale	670
9	shale	679

Miami County, KS Well:Doherty KR-50 Lease Owner:Ks Res Esplo

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<u> </u>	broken sand	683
	shale	740-TD