Kansas Corporation Commission Confidentiality Requested: OIL & GAS CONSERVATION DIVISION Yes No

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
Address 2:	Feet from North / South Line of Section
City:	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	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
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	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Demois #	Chloride content: ppm Fluid volume: bbls
Commingled 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
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 Approved by: Date:



CORRECTION #1

Operator Name: _ Lease Name: __ Well #: _ 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). No **Drill Stem Tests Taken** Yes Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum No Samples Sent to Geological Survey Yes No J Yes Cores Taken No Electric Log Run ___ Yes List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) Yes Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? No (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? (If No, fill out Page Three of the ACO-1) Yes PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated Depth (Amount and Kind of Material Used) TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No Date of First, Resumed Production, SWD or ENHR. Producing Method: Gas Lift Flowing Pumping Other (Explain) **Estimated Production** Bbls. Oil Bbls Gas Mcf Water Gas-Oil Ratio Gravity Per 24 Hours METHOD OF COMPLETION: **DISPOSITION OF GAS:** PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion
Operator	Encore Natural Resources, LLC
Well Name	Haas I-1
Doc ID	1313409

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	9	7	10	40	Portland	14	50/50 POZ
Completio n	5.6250	2.8750	8	1588	Portland	235	50/50 POZ

ਪ ਕੋਟੇਂਂਂary Drilling Jrew King - Manager/Driller

Bar Drilling, LLC Phone: (719) 210-8806

1317 105th Rd. Yates Center, KS 66783

nian King ırles King y King ore Natural Resources, LLC ttsdale, AZ 85255 . Box 28760 Job/Project Name/No. Company/Operator Driller/Crew Cement Type: Cement Used: Casing Length: Bit Size: Casing Size: Well API# Well No. Surface Record I 15-001-30962 Portland 14sx 11 1/4 401 711 Lease Name Haas Type/Well PDC PDC Type <u>Q</u> 11 1/4 Size 5 7/8 Bit Record 4561s, 1638e Well Location From Woodson County **4**0 Õ 1588 6 ಠ State ₩ **1** SS Core # Total Depth **11** 1588 2.125" Size Z S 1/4 Coring Record Date Started From 5/28/2014 Sec. 1535 2 1563 Twp. 占 Date Completed 5/30/2014 % Rec. Rge, 13E 99

						sandy lime	1410	67
						shale	1367	48
						KC lime	1248	6
						(red&green) shale	1126	2
	1					lime	1101	
	Ran 1580'+- 2 7/8" casing	Ran 1580'+-				shale .	991	13
		Well Notes:				lime	913	43
		II II II				shale	843	36
						lime	836	16
						shale	816	53
						sandy lime.	753	17
						lime	717	3
						shale	713	L
	==u 3		no samples lost cir	1588	1563	lime/shale	534	56
			core	1563	1537	lime	256	2
			oil sand	1537	1535	shale	252	
10.			shale	1535	1529	lime	231	00
			5' lime	1529	1525	shale	228	8
			shale	1525	1521	lime	200	92
			lime	1521	1500	shale	192	78
			shale	1500	1488	lime	178	44
			lime	1488	1481	shale	144	J.
			sandy shale	1481	1434	lime	45	38
			lime	1434	1410	overburden	38	0
Formation	т _о	From	Formation	То	From	Formation	10	mo.

Hurricane Services, Inc. 3613 A Y Road Madison, KS 66860 Office # 620-437-2661 Brad Cell # 620-437-6765



Ticket Number_	100488	3
Location	11	adison .
Foreman	Brad	Butter

Address			CCIII	CITE DEL VIC	CHOKOL		A THE RESIDENCE OF THE PARTY OF	Market Committee and Committee
Address City State Zip	Custome	er#	W	ell Name &	& Number	Sec./To	wnship/Range	County
Address City State Zip			Ha	SS # II.	-1			- Granway
Truck # Driver 301 Jefty 303 Bryan 303 Bryan 304 Jefty 303 Bryan 304 Jefty 303 Bryan 304 Jefty 303 Bryan 304 Jefty 304 Jefty 305 Jef	200 10-11-	1	Mailing .	Address				Zip
Displacement: 9.15 203 Bryan Displacement PSI: 1000 106 Cherk: Right Cement Left in Casing: 0 14/2-156 Frice Right Cement 2300 2820.00 \$3.25/Mile 3.250 \$3.	Exterpose	25 LLC	<u>P.O.</u>	$B_{\infty} = 28$	3010	Scottsdo	15 AZ	85255
Displacement PSI: 1000 106 Cheryle 128		Constitue						
Displacement PSI: 1000 106 Charlie 107 1								Jerry
Displacement PS: 700c 706 Cheins 27/8" Cement Left in Casing: 0 74/5-15/5 Enc. 37 570 53.25/Mile 3.2.50 3.25/Mile 3.2.50 3.25/Mile 3.2.50 3.25/Mile 3.2.50 3.25/Mile 3.2.50 3.20.00 3.20								Bryan
### P 1/5 Pump charge \$50.00 ## P 1/5 Pump charge \$50.00 \$3.25/Mile 3.7.50 ## P 1/5 A 20.00 ## P 1/5 A 20.00 ## P 1/5 A 20.00 #################################	1588			mi u	and the first property of the second			Charle
Pump charge \$50,00 \$3.25/Mile \$3.250 \$3.2		PBTD:			Cement Let	t in Casing:	146-156	En'r
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12.00 2820.00 27.00 27.00 27.00 27.00 27.00 27.00 27.52 Sales Tax 237.30 23		-	Descr	iption of .	Servcies or i	Product		850,00
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			-	Property Age				
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Pamped 5 Bbs WATER Ahea		Joits Josephis Joseph	Laterprises LLC Longstring 57/8" Casing Size 1588 Casing We Tubing: PBTD: Units O Mileage SACKS 60/ 1bs. F. 1bs. C. This. WATE His. WATE His. WATE Tons Bulk Truck Plugs 2" Plugs 2" Plugs 2" Plugs 2" Plugs 2" Plugs 2" Plugs 2"	Customer # WA Ha Mailing Enterprises LLC P.O. Longstring 5'78" Casing Size: Casing Weight: Tubing: 2 PBTD: 1.58 Inits Descr O Mileage SACKS 60/40 Pozz /bs. Gel /bs. Gel /bs. Gel /bs. Gel /bs. WATO The His. WATO The His. WATO The Wite Ime. S Tons Bulk Truck M Plugs 27/8" To Plugs 27/8" To Sor Auhila Then fist is in any of the Pamped 5 Bbs water Ahea Sor Au	Customer # Well Name a Hass # I Mailing Address Enterprises 22C P.O. Brx 28 Longstrhas Casing Size: 1588 Casing Weight: Tubing: 27/8" PBTD: 1581 Units Description of Mileage SACKS 60/40 Pozmik comes 1bs. Gol 27 1bs. Flocals 14" Polsk 1bs. COI - 26 C 1bs. Gol Flush His. WATU Truck His. WATU Truck His. WATU Truck His. WATU Truck Wile line Securces Tons Bulk Truck Minimum Plugs 27/8" Top Rubbu f 2 Plugs 27/8" Top Rubbu f Sour Auhila There I is I study from pur Sour Auhila There I is I study from pur Sour Auhila There I is I study from pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I study for pur Sour Auhila There I is I i	Hass T-1 Mailing Address FATER prices LLC P.O. Box 28010 Lengstrhag Casing Size: Displaceme 1588 Casing Weight: Displaceme Tubing: 21/8" Cement Lef PBTD: 1581 Units Description of Serveles or I O Mileage SACKS 60/10 POZMIX CEMENT 1bs. Gel 22 1bs. Flocks 14" PSK 1bs. COI-26 O 1bs. Gel Flush Hulls Hus WATER Transport Wite Ima Services Tons Bulk Truck Minimum charge Plugs 27/8" Top Rubbo Plugs	Customer # Well Name & Number Sec./To Hass # I - 1 Mailling Address City Fater prices LLC P.O. Brx 28010 Scottscha Longstrhas The Casing Size: Displacement: 9.15 LOST Casing Weight: Displacement PSI: 1000 Coment Left in Casing: Coment Left in Cas	Customer # Well Name & Number Sec./Township/Range Hass "I-1 Mailing Address City State FATUR prices LAC P.O. Bx 28010 Scallschale A2, Longstring Truck # 301 Longstring Long Weight: Displacement PSI: /ooc fol. Long Weight: Displacement PSI: /ooc Long Weight: Displa

Summary of Changes

Lease Name and Number: Haas I-1 API/Permit #: 15-073-24214-00-00

Doc ID: 1313409

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	10/08/2014	08/04/2016
Date of First or Resumed Production or		8/30/2014
SWD or Enhr Method Of Completion - Perf	No	Yes
Operator's Phone	440-3512	460-1390
Producing Method Pumping	No	Yes
Production - Barrels Oil		5
Production - Barrels of Water		20
Production - MCF Gas		0
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12 20683	//kcc/detail/operatorE ditDetail.cfm?docID=13 13409

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Tubing Packer At		NA
Tubing Set At		1560
Tubing Size		1
Well Type	EOR	OIL

Summary of Attachments

Lease Name and Number: Haas I-1

API: 15-073-24214-00-00

Doc ID: 1313409

Correction Number: 1

Attachment Name