Сс	onfiden	tiality	Requested:
	Yes	ΠN	0

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1253593

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.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
	Field Name:
New Well Re-Entry Workover	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	Leastion of fluid disconcel if here lead official
ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Reached TD Recompletion Date of 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	1253593
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCEDUCTIONS. Chause important tang of formations panatrated. Do	tail all aaroo Banart all final	ponion of drill atoms toots giving interval tootod, 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 Sheets)			0			Sample
Samples Sent to Geological Survey		Nam	e		Тор	Datum
Cores Taken Electric Log Run						
				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	IEEZE RECORD			
	Il Survey	I Survey	Nam	i) I Survey Yes No I Survey Yes No Yes No Yes No Yes No Size Hole Size Casing Weight Size Hole Set (In O.D.) Lbs. / Ft. Depth Image: Set (In O.D.) Image: Set (In O.D.) Image: Set (In O.D.) Image: Set (In O.D.)	I) Yes No Size Hole Size Casing	I) Survey Yes No I) Yes No Name Top I) Yes No Image: Survey Yes No I) Yes No Image: Survey Image: Survey Top I Survey Yes No Image: Survey Top I/Yes No Image: Survey Image: Survey Image: Survey Image: Survey Image: Survey Top CASING RECORD New Used Image: Survey Image: Su

Perforate	
Protect Casing	
Plug Back TD Plug Off Zone	

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)
No	(If No, fill out Page Three of the

(If No, fill out Page Three of the ACO-1)

			NRECORD - Bridge Plugs Set/Type otage of Each Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			Depth	
TUBING RECORD: Size:			Set At:		Packer	r At:	Liner R		No	
Date of First, Resumed Production, SWD or ENHF		٦.	Producing Met	thod:	ping	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
				METHOD OF COMPLET					PRODUCTION INTER	2\/A1 ·
DISPOSITION OF GAS:				-	Perf.	_	Comp.	Commingled (Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	HB Energy LLC
Well Name	HB HB 2
Doc ID	1253593

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set		Setting Depth	Type Of Cement		Type and Percent Additives
Surface	11	7	10	21	Portland	8	50/50 POZ
Production	5.6250	2.8750	8	758	Portland	115	50/50 POZ

Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes Isaac Burbank

Well Log

Phone: (785) 979-9493 (913) 963-9127 Fax: (785) 883-2305

Fueling American

HB Energy, LLC HB Well #: HB 2 Sec. 34 Twp. 16 Rng. 21 Franklin County FSL: 1510 FEL: 1575 API: 15-059-27000 Start: 04/29/15 End: 05/02/15

Thickness of Strata	Formation	<u>Total</u>
7	Soil & Clay	7
2	Broken Lime	9
11	Shale	20
27	Lime	47
71	Shale	118
20	Lime	138
7	Shale	145
11	Sand	156
11	Shale	167
8	Lime	175
29	Shale	204
8	Lime	212
3	Shale	215
2	Lime	217
17	Shale	234
25	Lime	259
8	Shale	267
22	Lime	289
5	Shale	294
3	Lime	297
4	Shale	301
5	Lime	306
22	Shale	328
1	Sand	329
4	Sand	333
116	Shale	449
6	Lime	455
4	Shale	459
6	Lime	465
3	Shale	468
6	Lime	474
37	Shale	511

Grey, approximately 3 gal/minute fresh water

Making some water, oil show

Base of the Kansas City / Hertha

Hard Grey, making some gas



2 Broken Sand 522 20% brown sand, 80% shale, light bleed 10 Shale 535 Brown, no oil 3 Lime 544 3 Lime 544 9 Shale 553 1 Lime 554 8 Shale 562 3 Lime 564 8 Shale 565 3 Lime 569 8 Shale 562 3 Lime 572 3 Shale 568 3 Lime 572 3 Lime 574 8 Shale 581 CP 2 Broken Sand 587.5 10 Lime 587.5 2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 2 2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 653	5 4	Lime Broken Sand	516 520	Brown sand & limey sand, good bleed
3 Lime 535 Brown, no oil 6 Shale 541 3 Lime 541 9 Shale 553 1 Lime 554 8 Shale 562 3 Lime 565 3 Shale 568 3 Lime 569 3 Lime 574 6 Shale 562 3 Lime 569 3 Lime 574 6 Shale 581 CP 2 Broken Sand 587.5 Light brown, no oil 5.5 Sand 597.5 Light brown, no oil 5.5 Lime 588 25% 2.5 Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 2 2 Broken Sand 628 1 1 Lime & Shells 641 1 1 Shal		Broken Sand	522	20% brown sand, 80% shale, light bleed
6 Shale 541 3 Lime 544 9 Shale 553 1 Lime 554 8 Shale 562 3 Lime 565 3 Lime 569 3 Lime 569 3 Lime 572 3 Lime 574 7 Shale 581 CP 2 Broken Sand 583 4.5 Sand 597.5 5 Lime 588 2.5 Sand 597.5 2.5 Sand 597.5 2.5 Sand 597.5 2.5 Sand 597.5 2.5 Sand 606 3 Silty Shale 604 2 Broken Sand 628 11 Shale 627 1 Lime & Shells 628 11 Shale 641 11		Shale	532	
3Lime5449Shale5531Lime5548Shale5623Lime5653Shale5683Shale5693Lime5723Shale5874Brown, some porosity, good bleed2Lime5748Brown, light show, hard7Shale581 CP2Broken Sand587.52Broken Sand587.55Lime5882.5Sand597.52.5Sand597.52.6Sitty Shale6042Broken Sand590.51Lime & S17.525% brown sand, 75% shale, gassy, fair oil show6Sitty Shale6042Broken Sand6062Broken Sand6061Lime & Shells6271Lime & Shells62811Shale6292Lime & Shells6411Shale6423Silty Shale6457Shale652. CP1Broken Sand6592.5Shale658.5.5Shale658.5.5Shale658.5.5Shale715.6Brown Sand, 80% shale, light bleed.5.5Shale726.7Sand726.7Sand736.75Shale726 <td></td> <td>Lime</td> <td>535</td> <td>Brown, no oil</td>		Lime	535	Brown, no oil
9Shale5531Lime5548Shale5623Lime5653Shale5683Lime5793Lime5723Lime5743Lime5747Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.55Lime5882.5Sand590.52.5Sand597.52.5Sand590.56Silty Shale6042Broken Sand6067Broken Sand6067Broken Sand6071Lime & Shells62811Shale6411Shale6423Silty Shale6411Shale652 CP1Broken Sand6535.5Shale658.55.5Shale658.55.5Shale75% brown sand, 25% shale, light bleed5.5Shale7123Sandy Shale7151Sand7161Shale7267Shale7267Shale7267Shale7267Shale7267Shale758		Shale	541	
1Lime5548Shale5623Lime5653Shale5663Shale5683Lime569Brown, some porosity, good bleed3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7ShaleS81 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil5Lime5882.5Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6067Braken6271Lime & Shells62811Shale6392Lime & Shells6411Shale6423Silty Shale6457Shale652 CP1Broken Sand6525.5Broken Sand6535.5Shale6515.5Shale6525.5Shale75% brown sand, 25% shale, light bleed5.5Shale7545.5Broken Sand6525.5Shale7156Sandy Shale7157Shale7157Shale7167Shale7267Shale7267Shale7267Shale738 <td></td> <td>Lime</td> <td>544</td> <td></td>		Lime	544	
8Shale5623Lime5653Shale568Black1Lime569Brown, some porosity, good bleed3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7Shale581CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil5Lime5882.5Sand590.5Light brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6066Silty Shale6042Broken Sand6061Lime & Shells62811Shale6423Silty Shale6411Shale6423Silty Shale6457Shale652 CP1Broken Sand6592.5Shale658.57Shale6525.5Broken Sand6595.5Shale658.57Shale6595.3Shale7153Sandy Shale7153Sandy Shale7267Sand7333Brown, no oil10Shale7587Sand7333Brown, no oil25Shale758	9	Shale	553	
3Lime5653Shale568Black1Lime569Brown, some porosity, good bleed3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil.5Lime5882.5Sand590.5Light brown, no oil7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6063Broken Sand6061Lime & Shells6271Lime & Shells6411Shale6392Lime & Shells6411Shale652 CP1Broken Sand653.5Shale658.5.5Shale658.5.5Shale658.5.5Shale658.5.5Shale7123Sandy Shale7153Sandy Shale7161Shale7267Shale7267Sand7338rown, no oil758		Lime	554	
3Shale568Black1Lime569Brown, some porosity, good bleed3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil.5Lime5882.5Sand597.5Light brown, no oil7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6062Broken Sand6063Shale6271Lime & Shells6411Shale6423Silty Shale6423Silty Shale6423Silty Shale6457Shale652 CP1Broken Sand6592.5Shale658.5.5Shale658.5.5Shale658.5.5Broken Sand659.5Broken Sand659.5Broken Sand659.5Broken Sand716.5Shale726.5Shale715.5Shale726.5Shale726.5Shale726.5Shale733.5Brown, no oil.6726.5 <t< td=""><td></td><td>Shale</td><td>562</td><td></td></t<>		Shale	562	
1Lime569Brown, some porosity, good bleed3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil.5Lime5882.5Sand590.5Light brown, no oil7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6062Broken Sand62811Shale62811Shale6411Shale6423Silty Shale6411Shale652 CP1Broken Sand652 CP1Broken Sand6535.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed5.5Shale7123Sandy Shale7151Broken Sand6595.5Broken Sand6595.5Shale7123Sandy Shale7151Sand7161Sand7367Shale7267Sand7338Brown, no oil10Shale758		Lime	565	
3Lime572Sandy brown lime, very soft, very good bleed2Lime574Brown, light show, hard7Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil5Lime5882.5Sand590.5Light brown and, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand597.52Broken Sand6062Broken Sand6062Broken Sand6063Silty Shale62811Shale6411Lime & Shells6411Shale6457Shale652 CP1Broken Sand6535Broken Sand6535.5Shale658.55Shale7123Sandy Shale7151Sand7161Sand7331Shale7267Sande73325Shale758	3	Shale	568	Black
2Lime574Brown, light show, hard7Shale581 CP2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil.5Lime5882.5Sand590.5Light brown, no oil7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Lime & Shells62811Shale6392Lime & Shells6411Shale6457Shale652 CP1Broken Sand6535Shale658.5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed5.3Shale7123Sandy Shale7151Shale7267Sand7337Shale758		Lime	569	Brown, some porosity, good bleed
7 Shale 581 CP 2 Broken Sand 583 90% light brown sand, 10% shale, no oil 4.5 Sand 587.5 Light brown, no oil .5 Lime 588 2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 Brown sand & shale, no oil 2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 1 Lime & Shells 628 11 11 Shale 639 2 2 Lime & Shells 641 1 3 Silty Shale 645 - 7 Shale 652 CP 1 1 Broken Sand 653 75% brown sand, 25% shale, light bleed 5.5 Shale 658.5 - 5 Broken Sand 659 20% brown sand, 80% shale, light bleed 5.3 Shale 712 - - 3 Sandy Shale		Lime	572	Sandy brown lime, very soft, very good bleed
2Broken Sand58390% light brown sand, 10% shale, no oil4.5Sand587.5Light brown, no oil.5Lime5882.5Sand590.5Light brown, no oil7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale6042Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6062Broken Sand6063Shale6271Lime & Shells62811Shale6411Shale6423Silty Shale6457Shale652 CP1Broken Sand6535.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed5.5Shale7123Sandy Shale7153Sandy Shale71510Shale7267Sand73325Shale758	2	Lime	574	Brown, light show, hard
4.5 Sand 587.5 Light brown, no oil .5 Lime 588 2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 7 Shale 658.5 .5 Shale 658.5 .5 Broken Sand 659 .5 Broken Sand 715 .3 Sandy Shale 715 <td>7</td> <td>Shale</td> <td>581 CP</td> <td>-</td>	7	Shale	581 CP	-
4.5 Sand 587.5 Light brown, no oil .5 Lime 588 2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 2 2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 1 Lime & Shells 628 1 11 Shale 639 2 2 Lime & Shells 641 1 1 Shale 642 3 3 Silty Shale 645 7 7 Shale 652 CP 1 1 Broken Sand 653 75% brown sand, 25% shale, light bleed 5.5 Shale 658.5 5 .5 Broken Sand 659 20% brown sand, 80% shale, light bleed 5.3 Shale 712 3 Sandy Shale 715 3 Sandy Shale 715 No oil 1 1 10	2	Broken Sand	583	90% light brown sand, 10% shale, no oil
2.5 Sand 590.5 Light brown, no oil 7 Broken Sand 597.5 25% brown sand, 75% shale, gassy, fair oil show 6 Silty Shale 604 2 Broken Sand 606 Brown sand, 75% shale, gassy, fair oil show 2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 5.5 Shale 658.5 .5 Broken Sand 659 .5 Broken Sand 716 .5 Sand	4.5	Sand	587.5	-
7Broken Sand597.525% brown sand, 75% shale, gassy, fair oil show6Silty Shale604Brown sand & shale, no oil2Broken Sand606Brown sand & shale, no oil21Shale6271Lime & Shells62811Shale6392Lime & Shells6411Shale6423Silty Shale6457Shale652 CP1Broken Sand6535Shale658.5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale71510Shale7267Sand7338Brown, no oil25Shale758	.5	Lime	588	
6 Silty Shale 604 2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 7 Shale 652 CP 1 Broken Sand 653 5.5 Shale 658.5 .5 Broken Sand 659 23 Sandy Shale 712 3 Sandy Shale 715 3 Sandy Shale 715 3 Sandy Shale 726 7 Sand 733 3 Brown, no oil 726 7 Sand 733 3 Shale 758	2.5	Sand	590.5	Light brown, no oil
2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 5 Shale 658.5 .5 Shale 658.5 .5 Broken Sand 659 20% brown sand, 80% shale, light bleed 53 5.5 Shale 712 3 Sandy Shale 715 10 Shale 726 7 Sand 733 8 Frown, no oil 25 Shale 758	7	Broken Sand	597.5	25% brown sand, 75% shale, gassy, fair oil show
2 Broken Sand 606 Brown sand & shale, no oil 21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 5 Shale 658.5 .5 Shale 658.5 .5 Broken Sand 659 20% brown sand, 80% shale, light bleed 53 5.5 Shale 712 3 Sandy Shale 715 10 Shale 726 7 Sand 733 8 Frown, no oil 25 Shale 758	6	Silty Shale	604	
21 Shale 627 1 Lime & Shells 628 11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 75% brown sand, 25% shale, light bleed 5.5 Shale 658.5 .5 Broken Sand 659 20% brown sand, 80% shale, light bleed 53 Shale 712 3 3 Sandy Shale 715 No oil 1 Sand 716 Brown, no oil 10 Shale 726 7 7 Sand 733 Brown, no oil 25 Shale 758 100	2	Broken Sand	606	Brown sand & shale, no oil
11 Shale 639 2 Lime & Shells 641 1 Shale 642 3 Silty Shale 645 7 Shale 652 CP 1 Broken Sand 653 75% brown sand, 25% shale, light bleed 5.5 Shale 658.5 .5 Broken Sand 659 20% brown sand, 80% shale, light bleed 53 Shale 712 3 Sandy Shale 715 No oil 1 Sand 716 Brown, no oil 10 Shale 726 7 7 Sand 733 Brown, no oil 25 Shale 758	21	Shale	627	
2Lime & Shells6411Shale6423Silty Shale6457Shale652 CP1Broken Sand65375% brown sand, 25% shale, light bleed5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	1	Lime & Shells	628	
1Shale6423Silty Shale6457Shale652 CP1Broken Sand65375% brown sand, 25% shale, light bleed5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	11	Shale	639	
3Silty Shale6457Shale652 CP1Broken Sand65375% brown sand, 25% shale, light bleed5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	2	Lime & Shells	641	
7Shale652 CP1Broken Sand65375% brown sand, 25% shale, light bleed5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	1	Shale	642	
1Broken Sand65375% brown sand, 25% shale, light bleed5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	3	Silty Shale	645	
5.5Shale658.5.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	7	Shale	652 CP	
.5Broken Sand65920% brown sand, 80% shale, light bleed53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	1	Broken Sand	653	75% brown sand, 25% shale, light bleed
53Shale7123Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	5.5	Shale	658.5	
3Sandy Shale715No oil1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	.5	Broken Sand	659	20% brown sand, 80% shale, light bleed
1Sand716Brown, no oil10Shale7267Sand733Brown, no oil25Shale758	53	Shale	712	-
10Shale7267Sand733Brown, no oil25Shale758	3	Sandy Shale	715	No oil
7Sand733Brown, no oil25Shale758	1	Sand	716	Brown, no oil
25 Shale 758	10	Shale	726	
25 Shale 758	7	Sand	733	Brown, no oil
TD	25	Shale	758	
			TD	

.

Drilled an 11" hole to 21' Drilled a 5 5/8" hole to 758'

04/29/15 set 21' of 7" surface casing, cemented with 8 sacks of cement.

04/30/15 Cored 1st Squirrel zone.

04/30/15 Cored 2nd/3rd Squirrel zones.

05/01/15 The open hole below permanent casing (657'-758') was filled with cement by Consolidated Oil Well Services, prior to cementing permanent casing.

05/01/15 set 657' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp, 1 float-shoe, and baffle. Baffle set at 627'

C	CONBOLIDATED OIL Well Berviews, LLC



TICKET NUMBER 50955 LOCATION CHANK, KS FOREMAN asey Fernedy

PO Box 884,	Cha	nute, KS	68720	
620-431-9210	l or	800-467	-8676	

Į

FIELD TICKET & TREATMENT REPORT

CEMENT

		,		CEMEN				
DATE	CUSTOMER #	WE	LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
STILLS	3645	HB	# 48-2	}	SE 34	160	21	FR
USTOWER								
HB_	theray				TRUCK #	DRIVER	TRUCK #	DRIVER
ALLING ADDRI	=	_			4/02	Ki Car	1 Jald	Meeting
3131	Virgini	a Rd			7-29	Caskon	~ ^	
NTY .		STATE	ZIP CODE	1	570	GarMoo	~	
Wellsu	ella	US	66062					
HOB TYPE		HOLE SIZE	55/2"	u _ HOLE DEPTH	7581	CASING SIZE & V	VEIGHT JAL	" FUE
ASING DEPTH			627 '		us burk to	657'	OTHER	
					2	CEMENT LEFT in	CASING 30	,
LURRY WEIGH		SLURRY VOL		WATER gal/s	K			
ISPLACEMEN	36346	DISPLACEME		MIX PSI	1.4.	RATE 7 600	1	
EMARKS: 40	lo saidy	meetin	s, establi	shool ci	certetion,	ssinge of	purped 1	5.561
1950 Por	nix cem	ent ut	22 cel	A 14 4	these p	er sta 40	plus ba	<u>k open</u>
de to	657',10	led do	il steel	from u	ell lain	led casin	, on cla	ung j
wood +	errord	200 4	t rel f	lowed b	11 5-6H	s that will	stor nis	end t
unad	1001 sts	5 Ceiner	it com	ent to.	Surface.	Hushed a	un's de	m, pouse
242 " (Inter alu		He w/	3.63 6	bt fresh	unter pte	essurad to	600
		SURE S		xs}.		.,,		
<u>-21 / 1010</u>	ante pres			Sug		-		
	n 1						14	
worker	Sugerea E	<u>ta O</u>					π	
			·····				/	
ACCOUNT CODE	QUANITY	or UNITS	DE	SCRIPTION of	f SERVICES or Pl	RODUCT	UNIT PRICE	TOTAL
5401 CE	auro I		PUMP CHARG	ㅋ?	-		1085.00	
	m/5 m	•	MILEAGE				63.00	
		<u>.</u>		1 J				
	0461 657 ·		Casing.				368,00	
5907cz	munini	mun	toer n	ulage	<u> </u>		Sters	
б [.]	· ·				Trucks		1516.00	
						2	151.60	
					5	wateral		1364.40
1124 00	5840115	sks	5950 5	Smix		_	1322.50	
11112	2070112	<u></u>	Gel				86.46	
11 10 12 00	5916293						71.63	
1107 cci	075 27	#	Flosen				11/04 59	
					materi	als	1480.59	
					-30	5%	444.18	1.2. 11
	[··· ··································				Subtotal		1036.41 29.50
4402 0	P81710 1		2/5"0	hor ple	<u>a</u>			34.20
		······································		٦.	<u> </u>			
			-					
	<u>├</u>							
						7.65%	SALES TAX	81.54
	l		I			7.00	ESTIMATED	1
avin 3737							TOTAL	2511.85
				TITLE			DATE	3141.61

I scknowledge 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 form.