# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

_	Form ACO-1
	October 2008
	Form Must Be Typed
	14.
• • • •	<b>Z</b> I
	74

OPERATOR: License # 33989	API No. 15 - 081-21868-00-00
Name: Bengalia Land & Cattle Company	Spot Description:
Address 1: 1633 South Boston	NW_NE_Sec. 13 Twp. 27 S. R. 31 East West
Address 2:	
City: Tulsa State: OK Zip: 74119 +	
Contact Person: Jennifer Sexton	Footages Calculated from Nearest Outside Section Corner:
Phone: (918) 587-8022	VINE INW ISE ISW
CONTRACTOR: License # 33784	County: Haskell
Name:Trinidad Drilling Limited Partnership	Lease Name: Leonard Well #: 1-13
Wellsite Geologist: John Hughes	Field Name: N/A
Purchaser: N/A	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 2794 Kelly Bushing: 2806
New Well Re-Entry Workover	Total Depth: 5375 Plug Back Total Depth: 5369
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set: Feet
Dry Other(Core, WSW, Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from:
If Workover/Re-entry: Old Well Info as follows:	feet depth to: sx cmt.
Operator:	Drilling Fluid Management Plan AH II NOR 9-16-09
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:
Plug Back:Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Docket No.:	·
Dual Completion Docket No.:	Operator Name:
Other (SWD or Enhr.?) Docket No.:	Lease Name: License No.:
3-23-09 WOC WOC	Quarter Sec. Twp. S. R. East West
Spud Date or Pate Reached TD Completion Date or Recompletion Date  Completion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workover or co of side two of this form will be held confidential for a period of 12 months if requiable tiality in excess of 12 months). One copy of all wireline logs and geologist we BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for All requirements of the statutes, rules and regulations promulgated to regulate to	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information juested in writing and submitted with the form (see rule 82-3-107 for confidential report shall be attached with this form. ALL CEMENTING TICKETS MUST rm with all temporarily abandoned wells.
are complete and correct to the best of my knowledge.  Signature: Level 1	KCC Office Hoe ONLY
August 20 2000	KCC Office Use ONLY
$\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$	Letter of Confidentiality Received
Subscribed and sworn to before me this do day of	J. Barring If Denied, Yes Date: 9/16/09-DG
2009	Wireline Log Received  Geologist Report Received KANSAS CORPORATION COMMISSION
Motory Bublis:	Geologist Report Received MINORO CURTURATION QUINTIDA
Date Commission Expires: 04-13-10	EXP. 04/13/10 SEP 0 2 2009
1017	PUBLIC OF RECEIVED
	OF OKLANII
·	William Charles

perator Name: Beng	jalia Land & Catt	le Compa	ny	Lease !	Name: Le	eonard		. Well #: 1-10	3
ec. 13 Twp. 27				County	<sub>/:</sub> Hask	.ell			
	sed, flowing and shu s if gas to surface to	ut-in pressur est, along w	res, whether s	netrated. De shut-in press	etail all co ssure reacl	ores. Report all the check	, hydrostatic pressi	ures, bottom l	giving interval tested, hole temperature, fluid Electric Wireline Logs
Orill Stem Tests Taken (Attach Additional St	'hoots)	☐ Ye	s 📝 No		<b>√</b> Lo	g Formatio	on (Top), Depth and	d Datum	Sample
Samples Sent to Geolo		✓ Ye	s 🗌 No		Name	<b>;</b>		Тор	Datum
Cores Taken Electric Log Run	ectric Log Run				Stone Chase	Corral e		1770 2660	+1036 +146
(Submit Copy) ist All E. Logs Run:					Lansin St. Lo	ng		4150 5242	-1344 -2436
Array Compen Dual Spaced N									
AND THE RESERVE OF THE PROPERTY OF THE PROPERT	**************************************	Repo		RECORD	✓ Nev urface, inter	w Used	tion, etc.		
Purpose of String	Size Hole Drilled	Size	e Casing (In O.D.)	Weig Lbs. /	ight	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8		24#		1763	Class C Varicem	460	3% CC; 1/4# Polyflake
							Class C Halcem	150	2% CC; 1/4 # Polyflake
Production	7 7/8	5 1/2		14#		5331	Class G Econocem	280	2% CC; 1/4# Polyflake
			ADDITIONA	L CEMENTI!	NG / SQU	JEEZE RECORD			
Purpose:  —— Perforate  —— Protect Casing  —— Plug Back TD  —— Plug Off Zone	Depth Top Bottom	Туре	of Cement	#Sacks	Used		Type and Pe	Percent Additives	s
Shots Per Foot	PERFORAT Specify	TION RECOR Footage of E	D - Bridge Plug Each Interval Pe	gs Set/Type erforated			acture, Shot, Cement Amount and Kind of Mal		ord Depth
4 SPF	5296-5312					500 Gal 15	5% HCL		
TUBING RECORD: 2 3		Set At: 5331		Packer A 5257	At:	Liner Run:	Yes No		
Date of First, Resumed F N/A	Production, SWD or E	nhr.	Producing Met	_	Flowing	g Pumpi	ing 🔲 Gas Lift	t Otl	ther (Explain)
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 0	Mcf	Wate	er B	Bbls. G	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:			METHOD OF	F COMPLE	ETION:		PRODUCT	TION INTERVAL:
Vented Sold	h	*		Perf. [ WOC	Dually	Comp. Co	ommingled		KANSAS CORPORATION (

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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### Bengalia Land & Cattle Company

1633 South Boston Tulsa, Oklahoma 74119

Telephone (918) 587-8022 Fax Line (918) 728-2300

August 31, 2009

KCC – Conservation Division Attn: Steve Bond 130 S. Market, Room 2078 Wichita, KS 67202

RE: Well Completion Forms

Dear Steve:

Enclosed is the ACO-1 form for the following wells:

Leonard # 1-13 Mc Graw # 1-7 Rundell # 1-30

Please hold this information confidential for as long as allowable.

Should you require any additional information, please contact me at the above number.

Yours truly,

Jennifer Sexton MP of Operations

KANSAS CORPORATION COMMISSION
SEP 0 2 2009
SEC ENVEL

#### GEOLOGIST REPORT JAMES JACKSON

Top Lansing – 4150' (-1344) Top St Louis 5242' (-2436)

Bengalia Land & Cattle Co.

Leonard # 1-13

Section 13-T27S-R31W

Haskell County, Kansas

Ground Level – 2794'

KB-2806'

TD Driller 5375'

TD Logger 5377'

Drilling Company – Trinidad Drilling Rig 216

Surface Casing 8 5/8" cemented in 12 ¼" hole at 1763'

Production Casing 5 ½ " to 5331'

## Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 358491 Ship To #: 2719572 Quote #: Sales Order #: 6593962 Customer: BENGALIA LAND & CATTLE COMPANY Customer Rep: Piland, James Well Name: Leonard API/UWI #: Well #: 1-13 Field: City (SAP): SUBLETTE County/Parish: Haskell State: Kansas Contractor: TRINIDAD Rig/Platform Name/Num: 208 Job Purpose: Cement Multiple Stages Well Type: Development Well Job Type: Cement Multiple Stages Sales Person: HARPER, JOE Srvc Supervisor: PATTERSON, HARRY MBU ID Emp #: 359371 **Job Personnel HES Emp Name** Emp# **HES Emp Name** Exp Hrs Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# PATTERSON, HARRY GREEN, SCOTT 301261 LOPEZ, JUAN Rosales 198514 13 359371 Anthony Louis SCOTT, MORRES 222222 **Equipment** Distance-1 way HES Unit # Distance-1 way **HES Unit#** HES Unit# Distance-1 way **HES Unit #** Distance-1 way 10251401C 10897857 50 mile 50 mile 75821 50 mile Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 4/1/09 13 5 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 31 - Mar - 2009 22:00 CST 31 - Mar - 2009 Form Type BHST 22:00 On Location CST Job depth MD Job Depth TVD 5250. ft 5250. ft 01 - Apr - 2009 Job Started 03:35 CST Water Depth Wk Ht Above Floor 01 - Apr - 2009 3. ft Job Completed 11:40 CST Perforation Depth (MD) From То Departed Loc 01 - Apr - 2009 13:30 CST **Well Data** Description New / Max Size ID Weight Thread Grade Top MD Bottom **Bottom** Top Used pressure in in lbm/ft MD ft TVD TVD psig ft ft ft Multiple Stage 3000. 3000. Cementer Production Open 9. 1700. 5250. Hole Production Unknow 5.5 4.892 17. J-55 5250 Casing Surface Casing Unknow 8.625 8.097 24. J-55 1700. n Sales/Rental/3rd Party (HES) Description Qty uom Qty Depth Supplier SHOE, FLOAT, 5 1/2 8RD, 2 3/4 SUPER SEAL 1 EA CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4 EA 1 CTRZR ASSY,5 1/2 CSG X 7 7/8 HOLE, HINGED 15 ĒΑ KIT, HALL WELD-A 2 EA CMTR, TY P ES, 5-1/2 8RD 14-17LBS/FT 1 EA PLUG SET - FREE FALL - 5-1/2 8RD & 1 EΑ COV, LOCK RING GRV, 5-1/2 ES CMTR 1 EA BSKT, CEM, 5 1/2 CSG X 7 7/8, 8 3/4 H EA

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Summit Version: 7.20.130

## Cementing Job Summary

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pe	Size	Qty	Make	Depth	Туре	Size	Qty	Make	Depth		Туре	Size	Q1	y I	Make
Shoe										Тор	Plug				
Shoe					Bridge Plug								-		
Collar					Retainer					SSR	plug set				
										Plug	Containe	or			
Tool	5 1/2	1	HES	3005.25	<del></del>					Cent	tralizers				
							ineous l	Materia	ls						
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nent Fl	<u> d</u>	<u> </u>	Co	nc	Inhibit				IC	San	d Type	<u> </u>	Size	Qty	
					······································	F	luid Da	ta							
Sta	ge Typ	ю.		Flu	id Name		Qty	/ Qt			Yield		Rate	Total	Mix
								uo			ft3/sk	Gal/sk	bbl/min	Fluid (	Gal/sk
											<u> </u>		.0		
			VARICE	M (TM) C	EMENT (452	009)	80.0	0 sac	ks   1	1.4	2.89	17.8		17	.8
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		- 10	CAL-SEA	AL 60, 50	LB BAG (101	217146	3				l	L			
							<u>,                                      </u>								
0.25	lbm					/									
0.2	%						<del></del>	<del></del>				<del></del>	<del></del>		<del></del>
5 lb	m						<del></del>								
6.82	Gal				(13333.20)							<del></del>	•		
Water	•						54.0	0 bb	8	33	0	n	0		<del></del>
Displac	cemen	t						"	.   0.		.0				
2 gal/N	Mgal	(	CLAYFIX	II, HALT	ANK (100003	729)									
Mud							73.0	0 bb	1 9	9.			.0		
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6.315		-	RESH W	IATED									. <u></u> l.		
	Shoe Shoe Collar Float Tool  g Agt nent Fl  tage/F  Sta  MUD First Lead C 0.25 17.803 First Cemer 5 9 0.75 0.25 0.25 Uater Displan 2 gal/I Mud Displan 2 gal/I Mud Displan 2 gal/I Secor Lead C 2 9 0.1 5 lb 0.25 ld 0.25 ld 0.25 ld 0.25 ld 0.25 ld 0.26 ld 0.26 ld 0.27 ld 0.27 ld 0.27 ld 0.28 ld 0.28 ld 0.29 ld 0.29 ld 0.20 ld 0	Shoe Shoe Collar Float Tool 5 1/2  g Agt ment Fld  tage/Plug #: Stage Typ  MUD FLUSH First Stage Lead Cement 5 % 0.25 lbm 17.803 Gal First Stage Cement 5 % 0.75 % 0.25 lbm 6.82 Gal Water Displacement 2 gal/Mgal Mud Displacement 2 gal/Mgal Stage Type  MUD FLUSH Second Stag Lead Cement 2 % 0.1 % 5 lbm 0.25 lbm 22.284 Gal Second Stag Fail Cement	Shoe Shoe Collar Float Tool 5 1/2 1  g Agt ment Fld  tage/Plug #: 1  Stage Type  MUD FLUSH III First Stage Lead Cement 0.25 lbm 17.803 Gal First Stage Tail Cement 5 % 0.25 lbm 6.82 Gal Water Displacement 2 gal/Mgal Mud Displacement 2 gal/Mgal First Stage Type  MUD FLUSH III Second Stage Lead Cement 2 % 0.1 % 5 lbm 6.25 lbm 7 Second Stage First Stage Type  MUD FLUSH III Second Stage Lead Cement Ceme	Shoe Shoe Collar Float Tool 5 1/2 1 HES  g Agt Coment Fld Coment Fld Coment Fld Coment Fld Coment Coment Float  Stage Type  MUD FLUSH III MUD FL First Stage Lead Cement 0.25 ibm POLY-E- 17.803 Gal FRESH N First Stage Tail ECONOCE Cement 5 % CAL-SE/ 0.75 % HALAD(F) 0.25 ibm POLY-E- 0.2 % WG-17, 5 ibm KOL-SE/ 6.82 Gal FRESH N Water Displacement 2 gal/Mgal CLAYFIX Mud Displacement 2 gal/Mgal CLAYFIX  MUD FLUSH III MUD FLU Second Stage Lead Cement 2 % CALCIUM 0.1 % WG-17, 5 5 ibm KOL-SE/ 5 ibm FRESH V  8 CALCIUM 0.1 % FRESH V  9 CALCIUM 10 CALCIUM 11 CALCIUM 12 CALCIUM 12 CALCIUM 13 CALCIUM 14 CALCIUM 15 CALCIUM 16 CALCIUM 17 CALCIUM 18	Shoe Collar Float Tool 5 1/2 1 HES 3005.25  g Agt Conc ment Fld Conc  MUD FLUSH III MUD FLUSH III - First Stage Lead Cement 0.25 lbm POLY-E-FLAKE (17.803 Gal FRESH WATER First Stage Tail Conc  5 % CAL-SEAL 60, 50 0.75 % HALAD(R)-322, 50 0.25 lbm POLY-E-FLAKE (17.802 Gal FRESH WATER  5 % CAL-SEAL 60, 50 0.75 % HALAD(R)-322, 50 0.25 lbm FOLY-E-FLAKE (17.802 Gal FRESH WATER  5 % CAL-SEAL 60, 50 0.75 % HALAD(R)-322, 50 0.25 lbm FOLY-E-FLAKE (17.802 Gal FRESH WATER  5 % CAL-SEAL 60, 50 0.75 % HALAD(R)-322, 50 0.25 lbm FOLY-E-FLAKE (17.802 Gal FRESH WATER  Water Displacement 2 gal/Mgal CLAYFIX II, HALT  Mud Displacement 2 gal/Mgal CLAYFIX II, HALT  MUD FLUSH III MUD FLUSH III - S Second Stage Lead Cement 2 % CALCIUM CHLOR 0.1 % WG-17, 50 LB SK 5 lbm KOL-SEAL, BULK 0.25 lbm POLY-E-FLAKE (17.802 Gal FRESH WATER  4 CALCIUM CHLOR 0.1 % FRESH WATER  5 Second Stage FALCEM (TM) SY 5 lbm FRESH WATER  4 HALCEM (TM) SY 5 lick Comment	Shoe	Shoe	Shoe	Shoe	Shoe	Shoe	Shoe	Shoe	Shoe	Shoe

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## Cementing Job Summary

age/Plug	#: 2											
Stage T	уре		F	luid Nam	8	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk		1	Total Mix Fluid Gal/s
Displacer	nent					73.0	0 bbl	8.33	.0	.0	.0	
Fluid								1				
2 gal/Mgal	1	CLA,	YFIX II, HAL	TANK (1	00003729	9)						
iculated \	Values	3	Pr	ssures				٧	olumes			
cement		5	hut In: Ins	tant	l	ost Returns		Cement S	lurry		Pad	
Cement		5	Min		(	Cement Retu	rns	Actual Di	splacem	ent	Treatm	ent
radient		1	5 Min			Spacers					Total Job	
						Rates						÷ ,
ating			Mixi	ng	5	Disp	lacement	5		Avg. Jo	ob	5
ent Left In	Pipe	Amo	unt 40 ft	Reaso	n Shoe	Joint			<del></del>	<del> </del>		
ling # 1 @		ID	Frac rir	g # 2 @	ID	Frac I	Ring # 3 @	IC	)	Frac Ring	#4@	ID
	Stage 1 Displacer Fluid 2 gal/Mga Iculated ement Cement adient ating	Stage Type  Displacement Fluid 2 gal/Mgal Iculated Values ement Cement radient ating	Stage Type  Displacement Fluid 2 gal/Mgal CLAY Culated Values Ement Cement Tadient  ating Ent Left In Pipe Amo	Displacement Fluid 2 gal/Mgal CLAYFIX II, HAL Iculated Values Pro- ement Shut In: Ins Cement 5 Min radient 15 Min  ating Mixing ent Left In Pipe Amount 40 ft	Displacement luid 2 gal/Mgal CLAYFIX II, HALTANK (1 Iculated Values Pressures ement Shut In: Instant Cement 5 Min adient 15 Min Mixing ent Left In Pipe Amount 40 ft Reaso	Displacement luid 2 gal/Mgal	Stage Type Fluid Name Qty  Displacement 73.00 2 gal/Mgal CLAYFIX II, HALTANK (100003729)  Iculated Values Pressures ement Shut In: Instant Lost Returns Cement 5 Min Cement Returnation Spacers  Rates ating Mixing 5 Displant Left In Pipe Amount 40 ft Reason Shoe Joint	Stage Type Fluid Name Qty uom  Displacement 73.00 bbl Fluid 2 gal/Mgal CLAYFIX II, HALTANK (100003729)  Iculated Values Pressures Fement Shut In: Instant Lost Returns Fadient 5 Min Cement Returns Fadient 15 Min Spacers  Rates  Atting Mixing 5 Displacement Font Left In Pipe Amount 40 ft Reason Shoe Joint	Stage Type Fluid Name Qty Uom Density Uom Density Ibm/gal  Displacement Pluid Pressures Pressure	Stage Type Fluid Name Qty Uom Density Ibm/gal Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Ibm/gal   Pield ft3/sk   Pield ft3/	Stage Type Fluid Name Qty uom Density lbm/gal Fluid Gal/sk  Displacement luid Pressures Volumes  Shut In: Instant Lost Returns Cement Slurry  Cement Shut In: Instant Cement Returns Actual Displacement adient 15 Min Spacers Load and Breakdown  Rates  Mixing 5 Displacement 5 Avg. Jeent Left In Pipe Amount 40 ft Reason Shoe Joint	Stage Type   Fluid Name   Qty   Qty   uom   Density   ft3/sk   Gal/sk   bbl/min   Displacement   73.00   bbl   8.33   .0   .0   .0   Qual/Mgal   CLAYFIX II, HALTANK (100003729)   Culated Values   Pressures   Volumes

KANSAS CORPORATION COMMISSION

SEP 0 2 2009

#### Field Ticket

Field Ticket Number: 6	579875 Field Ticket	Date: Tuesday, March 24, 2009
She To: BENGALIA LAND & CATTLE COMPANY Leonard, 1-13 2719572 SUBLETTE, KS 67877	Job Name: Order Type: Well Name: Company Code: Customer PO No.: Shipping Point: Sales Office: Well Type: Well Category:	Surface Casing Streamline Order (ZOH) Leonard 1-13 1100 NA Liberal, KS, USA Hwy 54 West Mid-Continent BD Gas Development  A  A  A  A  A  A  A  A  A  A  A  A  A

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI  Number of Units	100	MI	0.00	5.76	576.00	437.76	138.24
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT  Number of Units	100	МІ	0.00	9.79	979.00	744.04	234.96
16091	ZI - PUMPING CHARGE  DEPTH  FEET/METERS (FT/M)  Variants condition	1 1700 0	EA FT	0.00	4,028.00	4,028.00	3,061.28	966.72
141	RCM II W/ADC,/JOB,ZI NUMBER OF UNITS	1	JOB	0.00	1,990.00	1,990.00	1,512.40	477.60
74038	ZI PLUG CONTAINER RENTAL-1ST DAY  DAYS OR FRACTION (MIN1)	1	EA	1,322.00	0.00	1,322.00	1,004.72	317.28
101227839	PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1,	EA	0.00	380.00	380.00	288.80	91.20
452009	VARICEM (TM) CEMENT	430	sĸ			19,324.20	14,686.39	4,637.81
100005053	CALCIUM CHLORIDE HI TEST PLT	16	sĸ	0.00	214.80	3,436.80	2,611.97	824.83
101216940	POLY-E-FLAKE	108	LB	0.00	7.84	846.72	643.51	203.21
100003623	WG-17-GELLING AGENT	41	LB	0.00	65.29	2,676.89	2,034.44	642.45
452986	HALCEM (TM) SYSTEM	150	sĸ			6,741.00	5,123.16	1,617 84
100005053	CALCIUM CHLORIDE HI TEST PLT	4	,sk	0.00	214 80	859.20	ns corporation	N COMMISSIDIA!
101216940	POLY-E-FLAKE	38	LB	0.00	7 84	<b>KAN</b> 297.92	2264R17	2009 71 50

Field Ticket Number: 6579875

Field Ticket Date: Tuesday, Marin 160

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN NUMBER OF TONS	35 28.1	МІ	0.00	3.35	3,294.73	2,503.99	790.74
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI NUMBER OF EACH	629 1	CF	0.00	5.49	3,453.21	2,624.44	828.77
100004727	SHOE,GID,8-5/8 8RD	12/	EA	0.00	614.00	614.00	337.70	276.30
100004702	VLVASSY,INSR FLOAT,8-5/8 8RD, 24 lbs/ft	1/	EA	0.00	679.00	679.00	373.45	305.55
100013933	FILLUP ASSY - 1.500 ID - 7 IN 8-5/8	1,/	EA	0.00	150.00	150.00	82.50	67.50
100004484	CENTRALIZER ASSY - API - 8-5/8 CSG X	3 🗸	EA	0.00	195.00	585.00	321.75	263.25
100005045	KIT,HALL WELD-A	1 🗸	EA	0.00	74.30	74.30	37.15	37.15
Halliburton Rep:	MERSHEK WILTSHIRE			Totals	USD	52,307.97	39,308.86	12,999.11

Customer Agent:

**JAMES PILAND** 

Halliburton Approval

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X Customer Signature Complete Complete

FIELD TICKET TOTAL, USD

12 999,11



KANSAS CORPORATION COMMISSION

SEP 0 2 2009
Field Ticket Date: Tuesday, March 24, 2009
RECEVED

Summit Version:

7.20.130

## Cementing Job Summary

The Road to Excellence Starts with Safety Sold To #: 358491 Ship To #: 2719572 Quote #: Sales Order #: 6579875 Customer: BENGALIA LAND & CATTLE COMPANY Customer Rep: PILAND, JAMES Well Name: Leonard Well #: 1-13 API/UWI #: 15-081-21868 Field: City (SAP): SUBLETTE County/Parish: Haskell State: Kansas Legal Description: Section 13 Township 27S Range 31W Contractor: TRINIDAD Rig/Platform Name/Num: 16 Job Purpose: Cement Surface Casing Well Type: Development Well Job Type: Cement Surface Casing Sales Person: HARPER, JOE Srvc Supervisor: WILTSHIRE. MBU ID Emp #: 195811 MERSHEK Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# DAVIS, DARREN 3 376575 JOHNSON. 445261 LOPEZ, JUAN Rosales 198514 6 **CHRISTOFER Michael** WILTSHIRE. 6 195811 MERSHEK T Equipment HES Unit # Distance-1 way **HES Unit #** Distance-1 way **HES Unit #** Distance-1 way **HES Unit#** Distance-1 way Job Hours Date On Location Operating Date On Location Operating Date On Location Operating Hours Hours Hours Hours Hours Hours 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 1700. ft Job Depth TVD Job Started 24 - Mar - 2009 23:23 CST Water Depth Wk Ht Above Floor 5. ft Job Completed 25 - Mar - 2009 00:52 CST Perforation Depth (MD) From To Departed Loc 25 - Mar - 2009 02:00 CST Well Data Description Max ID Weight New / Size Thread Grade Top MD **Bottom Bottom** Top Used pressure in in lbm/ft ft MD TVD TVD psig ft ft ft Surface Open 12.25 1700. Hole Surface Casing Unknow 8.625 8.097 24. J-55 1700. n Sales/Rental/3<sup>rd</sup> Party (HES) Description Qty Qty uom Depth Supplier PLUG, CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 MA EA SHOE, GID, 8-5/8 8RD 1 EΑ VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft 1 EA FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8 1 EΑ CENTRALIZER ASSY - API - 8-5/8 CSG X 3 EA KIT, HALL WELD-A EA Tools and Accessories Type Size Qty Make Depth Type Size Qty Make Depth Type Size Make Guide Shoe Packer Top Plug Float Shoe Bridge Plug **Bottom Plug** KANSAS CORPORATION COMMISSION
SEP 0 2 2009
RECEIVED Float Collar Retainer SSR plug set Insert Float Plug Container Stage Tool Centralizers

# Cementing Job Summary

						ous Ma	terials						
Gellin			Conc	Surfacta	nt		Conc	Acid	Туре		Qty	Cond	: 1%
Treatn	nent Fld		Conc	Inhibitor			Conc	San	d Type		Size	Qty	+ "
,				N	Flu	id Data					<del></del>	<u></u>	
	tage/Plug										•.		
Fluid #	Stage	Туре	Fluid	Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gai/sk	Rate bbl/min	Total Fluid G	
1	Water Sp	oacer					bbl	8.33	.0	.0	.0		
2	Lead Ce	ment	VARICEM (TM) CEN	MENT (45200	9)	430.0	sacks	11.4	2.86	17.57		17.5	7
	3 %		CALCIUM CHLORIC	E - HI TEST	PELLET	(1000050	)53)	<del></del>		.1	L		<u>-</u>
	0.25 lbm	l	POLY-E-FLAKE (10	1216940)			<del></del>				<del></del>		
	0.1 %		WG-17, 50 LB SK (1	00003623)						<del></del>	······		
	17.572 G	al	FRESH WATER		··········	· · · · · · · · · · · · · · · · · · ·							
3	Tail Cem	ent	HALCEM (TM) SYS	HALCEM (TM) SYSTEM (452986) 150.0 sacks 14.8 1.34 6.32 6.3							6.32		
	2 %		CALCIUM CHLORID		PELLET	(1000050	53)	·		<u> </u>			-
	0.25 lbm		POLY-E-FLAKE (101	216940)									
	6.324 Ga		FRESH WATER										
4	Displace Fluid	ment					ppl	8.33	.0	.0	.0	<del></del>	
Ca	iculated	Values	Pressu	ires				V	olumes	<del></del>	<del></del> -	· · · · · · · · · · · · · · · · · · ·	
Displac	cement		Shut In: Instant		Lost Re	turns		Cement S			Pad	<del></del>	
	Cement		5 Min			Returns		Actual Dis	splacem	ent	Treatm	ent	
rac G	radient		15 Min		Spacer	3		Load and			Total J		
	· ·	• • •				ates							
Circul			Mixing		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Displac	ement			Avg. Jo	b		
	ent Left in			ason Shoe									
rrac H	Ring # 1 @		D Frac ring #	2 @		Frac Ring				Frac Ring	4 @	ID	
Th	e Inform	ation	Stated Herein Is	Correct	Custom	er Represe	1	ignature	1				

KANSAS CORPORATION COMMISSION
SEP 0 2 2009
RECEIVED

Summit Version: 7.20.130

Wednesday, March 25, 2009 01:09:00

# Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 358491	Ship To #: 2719572	Quote #:	Sales Order #: 6579875
Customer: BENGALIA LAND &	CATTLE COMPANY	Customer Rep: P	ILAND. JAMES
Well Name: Leonard	Well #:		APVUWI #: 15-081-21868
	(SAP): SUBLETTE Co	unty/Parish: Haskell	State: Kansas
Legal Description: Section 13	Township 27S Range 31\	N	
Lat: N 0 deg. OR N 0 deg. 0 mil		<del></del>	R E 0 deg. 0 min. 0 secs.
Contractor: TRINIDAD	Rig/Platform N		
Job Purpose: Cement Surface (			Ticket Amount:
Well Type: Development Well	Job Type: Cem	ent Surface Casing	
Sales Person: HARPER, JOE	Srvc Supervison		MBU ID Emp #: 195811

Activity Description	Date/Time	Cht	Rate bbi/ min		ume bi		sig sure	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	03/24/2009 16:30							
Arrive At Loc	03/24/2009 20:00							
Pre-Job Safety Meeting	03/24/2009 20:15				*			
Start Job	03/24/2009 23:23							
Test Lines	03/24/2009 23:23						3000. 0	
Pump Spacer 1	03/24/2009 23:25		6	20	··········		100.0	RIG WATER
Pump Lead Cement	03/24/2009 23:31		6	219			100.0	430 SKS VARICEM @ 11.4#
Pump Tail Cement	03/25/2009 00:08		6	36			140.0	150 SKS HALCEM @ 14.8#
Drop Plug	03/25/2009 00:15		6		275	111	150.0	END CEMENT
Pump Displacement	03/25/2009 00:16		6	111			50.0	RIG WATER
Other	03/25/2009 00:45		2	101			380.0	SLOW RATE
Other	03/25/2009 00:48						400.0	PRESSURE BEFORE LANDING PLUG
Bump Plug	03/25/2009 00:48		2		111		1350. 0	FLOAT HELD
End Job	03/25/2009 00:52							
Cement Returns to Surface	03/25/2009 01:05				60			60 BBLS, 118 SACKS, OF CEMENT TO PIT

KANSAS CORPORATION COMMISSION
SEP 0 2 2009
Sales RECEIVES

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