

DRILLERS LOG

API NO: 15 - 031 - 23867 - 00 - 00

OPERATOR: HARCON ENERGY INC

ADDRESS: 1749 SE 5th Lane, Box 292, LeRoy, KS 66857

WELL #: HI - 12 LEASE NAME: REMER

S. 28	T. 22	R. 16	<u>E.</u>	W.
LOCATION:		SE NW NE SE		
COUNTY:		COFFEY		
ELEV. GR.:		1015 Est		
DF:			KB:	

FOOTAGE LOCATION: 2010 FEET FROM (N) (S) LINE 980 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY GEOLOGIST: HARVEY FRANCIS

SPUD DATE: 4/16/2014 TOTAL DEPTH: 1075 P.B.T.D.

DATE COMPLETED: 4/18/2014 OIL PURCHASER: COFFEYVILLE RESOURCES CRUDE TRANSPORTATION

CASING RECORD

REPORT OF ALL STRINGS - SURFACE, INTERMEDIATE, PRODUCTION, ETC.

PURPOSE OF STRING	SIZE HOLE DRILLED	SIZE CASING SET (in O.D.)	WEIGHT LBS/FT	SETTING DEPTH	TYPE CEMENT	SACKS	TYPE AND % ADDITIVES
SURFACE:	12.25	7	19	40	OWC	59	SERVICE COMPANY
PRODUCTION:	5.875	2.8750 NEW	6.5	1066	OWC		SERVICE COMPANY

WELL LOG

CORES: # _____

RECOVERED: _____

ACTUAL CORING TIME: _____

RAN: 1 - FLOAT SHOE
3 - CENTRALIZERS
1 - CLAMP

FORMATION	TOP	BOTTOM
TOP SOIL	0	3
CLAY	3	9
SAND & GRAVEL	9	24
LIME	24	26
SHALE	26	205
LIME	205	251
SHALE	251	338
LIME	338	353
SHALE	353	367
LIME	367	462
SHALE	462	473
LIME	473	474
SHALE	474	475
LIME	475	476
SHALE	476	486
LIME	486	489
SAND & SHALE	489	517
LIME	517	574
SHALE	574	576
LIME	576	577
SHALE	577	579
LIME	579	613
SHALE	613	619
LIME	619	633
SHALE	633	652
LIME	652	655
SHALE	655	769
LIME	769	775
SHALE	775	797
LIME	797	807
SHALE	807	809
LIME	809	811
SHALE	811	819
LIME	819	828
SHALE	828	830
LIME	830	831
SHALE	831	834
LIME	834	840
SAND & SHALE	840	879
LIME	879	881
SHALE	881	885
LIME	885	892

FORMATION	TOP	BOTTOM
SAND & SHALE	892	895
LIME	895	896
SAND & SHALE	896	913
LIME	913	917
SAND & SHALE	917	933
LIME	933	939
SAND & SHALE	939	953
LIME	953	959
SAND & SHALE	959	965
LIME	965	968
SHALE	968	1002
CAP LIME	1002	1003
SHALE	1003	1004
OIL CAP LIME	1004	1005
SAND & SHALE GOOD OIL SHOW	1005	1007
SAND & SHALE OIL SHOW	1007	1009
OIL SAND	1009	1011
GOOD OIL SAND	1011	1013
SAND GOOD SHOW	1013	1015
OIL SAND SHOW	1015	1017
SAND & SHALE NO SHOW	1017	1019
SAND & SHALE	1019	1063
LIME	1063	1065
SAND & SHALE	1065	1075 T.D.

1005
1017



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 267428

Invoice Date: 04/17/2014 Terms: 0/30/10,n/30

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HARCON ENERGY, LLC
1749 5TH LN. SE
LEROY KS 66857
(620) 964-2547

REAMER H1-12
5220000847
28-22-16
04-16-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	25.00	11.5000	287.50
1118B	PREMIUM GEL / BENTONITE	50.00	.2200	11.00
1110A	KOL SEAL (50# BAG)	125.00	.4600	57.50
1111	SODIUM CHLORIDE (GRANULA	75.00	.3900	29.25

Sublet Performed	Description	Total
9996-170	CEMENT MATERIAL DISCOUNT	-115.57

Description	Hours	Unit Price	Total
445 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
667 80 BBL VACUUM TRUCK (CEMENT)	1.00	90.00	90.00

Amount Due 1368.95 if paid after 04/27/2014

Parts:	385.25	Freight:	.00	Tax:	16.59	AR	1246.27
Labor:	.00	Misc:	.00	Total:	1246.27		
Sublt:	-115.57	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650

4/16/2014
CUSHING, OK

267428

CONSOLIDATED
580762-2300
PONCA CITY, OK
CEMENT FIELD TICKET AND TREATMENT REPORT

620/583-7664
EUREKA, KS

316/22-7022
EL DORADO, KS

527000847
BARTLESVILLE, OK

Customer	Harcon Energy #5023	State, County	Coffey, Kansas	Cement Type	CLASS A
Job Type	Surface	Section	28	Excess (%)	
Customer Acct #		TWP	22	Density	14
Well No	Remer H1-12	RGE	16	Water Required	6.01
Mailing Address		Formation		Yield	1.4
City & State		Tubing		Sacks of Cement	25
Zip Code		Drill Pipe		Slurry Volume	6.2
Contact	Harvey	Casing Size	7	Displacement	1.5
Email		Hole Size	8 5/8	Displacement PSI	100
Cell	620-365-9704	Casing Depth	40	MX PSI	50
Dispatch Location	EUREKA	Hole Depth	41	Rate	3

Code	Cement Pump Charges and Mileage	Quantity	Unit	Price per Unit	
5401S	CEMENT PUMP (SURFACE PIPE)	1	2 HRS MAX	\$870.00	\$ 870.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
EQUIPMENT TOTAL					\$ 870.00

Code	Cement, Chemicals and Water	Quantity	Unit	Price per Unit	
1124	50/50 POZMIX CEMENT W/ NO ADDITIVES	25	0	\$11.50	\$ 287.50
1118B	PREMIUM GEL/BENTONITE (50#)	50	0	\$0.22	\$ 11.00
1110A	KOL SEAL (50 # SK)	125	0	\$0.46	\$ 57.50
1111	GRANULATED SALT (50#) SELL BY #	75	0	\$0.39	\$ 29.25
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0	30% discount		0	\$0.00	\$ (115.57)
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
CHEMICAL TOTAL					\$ 269.68

Code	Water Transport	Quantity	Unit	Price per Unit	
5502C	80 BBL VACUUM TRUCK (CEMENT)	1	8L VACUUM TRUCK (CEM)	\$90.00	\$ 90.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
TRANSPORT TOTAL					\$ 90.00

Code	Cement Floating Equipment (TAXABLE)	Quantity	Unit	Price per Unit	
0	Cement Basket		0	\$0.00	\$ -
0	Centralizer		0	\$0.00	\$ -
0			0	\$0.00	\$ -
0	Float Shoe		0	\$0.00	\$ -
0	Float Collars		0	\$0.00	\$ -
0	Guide Shoes		0	\$0.00	\$ -
0	Baffle and Flapper Plates		0	\$0.00	\$ -
0	Packer Shoes		0	\$0.00	\$ -
0	DV Tools		0	\$0.00	\$ -
0	Ball Valves, Swedges, Clamps, Mac.		0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0	Plugs and Ball Sealers		0	\$0.00	\$ -
0	Downhole Tools		0	\$0.00	\$ -
0			0	\$0.00	\$ -
CEMENT FLOATING EQUIPMENT TOTAL					\$ -

680	DRIVER NAME	John Wade			
445		Joey			
637		Jim			
695		Zed			
Fax 620/431-0012			P.O. Box 4346		
620/431-9210 • 1-800/467-8676			Dept. 970		
Cheyenne, WY 80520			Consolidated Oil Well Services, LLC		
P.O. Box 884			MAIN OFFICE		

completed

6.15%	SUB TOTAL	\$ 1,229.68
	SALES TAX	\$ 16.59
	TOTAL	\$ 1,246.27
	(DISCOUNT)	\$ -
	DISCOUNTED TOTAL	\$ 1,246.27

CONSOLIDATED
Oil Well Services, LLC



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 FORM.



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P.O. Box 4346
Houston, TX 77210-4346

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Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 267534

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Invoice Date: 04/23/2014 Terms: 0/30/10,n/30 Page 1
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HARCON ENERGY, LLC
1749 5TH LN. SE
LEROY KS 66857
(620) 964-2547

REAMER 1 HI-12
47024
SE 28-22-16
04-18-2014
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	160.00	11.5000	1840.00
1118B	PREMIUM GEL / BENTONITE	469.00	.2200	103.18
1111	SODIUM CHLORIDE (GRANULA	336.00	.3900	131.04
1110A	KOL SEAL (50# BAG)	800.00	.4600	368.00
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-732.67

Description	Hours	Unit Price	Total
T-106 WATER TRANSPORT (CEMENT)	2.00	120.00	240.00
518 TON MILEAGE DELIVERY	372.00	1.41	524.52
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	50.00	4.20	210.00
666 CASING FOOTAGE	1065.00	.00	.00

Amount Due 4683.25 if paid after 05/03/2014

Parts:	2471.72	Freight:	.00	Tax:	106.95	AR	3905.52
Labor:	.00	Misc:	.00	Total:	3905.52		
Sublt:	-732.67	Supplies:	.00	Change:	.00		

Signed _____ Date _____

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CONSOLIDATED
Oil Well Services, LLC

267534

TICKET NUMBER 47024
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/18/14	5023	Reamer 1 # HI-12	SE 28	23	16	CO

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Casey Ken	✓ Safety Meeting	
466	Gar Moo	✓	
518	Jam Nes	✓	
505-7106	Jas Ric	✓	

CUSTOMER	MILING ADDRESS	CITY	STATE	ZIP CODE
Harcen Energy	1749 5th Ln SE	Le Roy	KS	66687

JOB TYPE logstring HOLE SIZE 5 7/8" HOLE DEPTH 1075' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 1065' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT Leble bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed + pumped 160 sks 50/50 Pozmix cement w/ 2% gel, 5% salt, + 5 # Kolseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 6.16 bbls fresh water, pressured to 600 PSI, released pressure, shut in casing.

Handwritten signature/initials

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	50 mi	MILEAGE		210.00
5402	1065'	casing footage		
5407A	372	ton mileage		524.52
5501C	2 hrs	Transport		240.00
1124	160 sks	50/50 Pozmix cement	1840.00	✓
111FB	469 #	Premium Gel	103.18	✓
1111	336 #	Salt	131.04	✓
1110A	800 #	Kolseal	368.00	✓
		materials	2442.22	
		-30%	732.67	
		Subtotal		1709.55
4402	1	2 1/2" rubber plug		29.50
		<input checked="" type="checkbox"/> completed	4683.25	
		6.15%	SALES TAX	106.95
		ESTIMATED TOTAL		3905.52

Revin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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 form