



#1 Koehn-Mollenkamp

2480' FNL & 555' FWL

160' N & 105' W of W/2 W/2 Section 14-15S-36W

Logan County, Kansas

Dirks NE Prospect

2016 Drilling Program

API# 15-109-21459-0000

Elevation: GL: 3314', KB: 3319'

Sample Tops			Ref. Well
Anhydrite	2599'	+720	-15
B/Anhydrite	2618'	+701	-16
Heebner	4032'	-713	-17
Toronto	4054'	-735	-22
Lansing	4082'	-763	-18
Muncie Shale	4248'	-929	-13
Stark Shale	4343'	-1024	-14
Hush	4388'	-1069	-14
BKC	4422'	-1103	-12
Marmaton	4466'	-1147	-10
Altamont	4475'	-1156	-13
Pawnee	4556'	-1237	-15
Myrick	4601'	-1282	-17
Fort Scott	4616'	-1297	-17
Cherokee Shale	4647'	-1328	-20
Johnson	4718'	-1399	-7
Morrow Shale	4780'	-1461	-8
Mississippian	4855'	-1536	-19
RTD	4927'	-1608	

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067625

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
oakley

DATE <u>4-23-14</u>	SEC. <u>14</u>	TWP. <u>15s</u>	RANGE <u>36W</u>	CALLED OUT	ON LOCATION <u>1:30pm</u>	JOB START <u>2:00pm</u>	JOB FINISH <u>2:30pm</u>
LEASE <u>Roehn-Indefkamp</u>			WELL # <u>1</u>	LOCATION <u>Russell Springs S to Robato</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>4E 6N E 1420</u>			

CONTRACTOR W+W 2
 TYPE OF JOB Surface
 HOLE SIZE 1 1/4 T.D. 251'
 CASING SIZE 8 5/8 DEPTH 250.9'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 15.02 BBL

OWNER Same
 CEMENT
 AMOUNT ORDERED 175 sks com 3/8 cc
2 1/2 gel
 COMMON 175 sks @ 17.90 3132.50
 POZMIX @
 GBL 329# @ .50 164.50
 CHLORIDE 494# @ 1.10 543.40
 ASC @
 @
 @
 @
 @
 @
 @
 @
 @

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew Forstlund
 # 431 HELPER Wayne Matelaby
 BULK TRUCK
 # 891 DRIVER Cory Brown
 BULK TRUCK
 # DRIVER

TOTAL 3,840.40

DISCOUNT 48% 1,843.39

REMARKS:

Circulate approx 5' seal top of

thank you

CHARGE TO: Ritchie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

HANDLING 189 cu yd @ 2.48 469.29
 MILEAGE 2.25 ton/mile 8.63 ton 1305.28
 DEPTH OF JOB 250.9'
 PUMP TRUCK CHARGE 1562.25
 EXTRA FOOTAGE @
 HV MILEAGE 55 miles @ 2.70 423.50
 LV MILEAGE 55 miles @ 4.46 242.00
 @
 @

TOTAL 3,952.32

DISCOUNT 48% 1897.11

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @
 TOTAL _____
 DISCOUNT _____%

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

SALES TAX (if Any) _____
 TOTAL CHARGES 7,792.72
 DISCOUNT 3,740.50 (48%) IF PAID IN 30 DAYS
 NET TOTAL 4,052.22 IF PAID IN 30 DAYS



CONSOLIDATED
Oil Well Services, LLC

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

5742
5647

Invoice # 807570

FIELD TICKET & TREATMENT REPORT

TICKET NUMBER 51480
LOCATION Opklay, Ks
FOREMAN Jerry Y Walt

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-10-16	7173	Kochs-Mollentump #1	14	3625S	36W	Logan
CUSTOMER			KS			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			753	Miles S		
STATE			529-7127	Rob S		
ZIP CODE						

JOB TYPE Port collar HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER PC @ 2544
 SLURRY WEIGHT 12.5 SLURRY VOL 1.89 WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT 14661 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Husker services test tool @ 1200# held 5 min open tool taking test rate 4/6661 pm @ 500# mix 350 SKS 60/40 8% gel 1/4# flo seal and 500# hulls wash up - displacer with 14661 close tool press to 1200# held 5 min run 5 jts in & reversed clean with 30661 pull tubing processor casing to 500 # & shut in.

Cement circulated
Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	45	MILEAGE	7.15	321.75
CE0710	15.05	ton mileage delivery	125	1185.19
CC5831	350 SKS	Litchblend VII	17.50	6125.00
CC6075	88 #	flo seal	2.00	1776.00
CC6080	500 #	cotton seed hulls	50	2500.00
			Subtotal	9957.94
			- 40%	3983.18
			Subtotal	5974.76
			SALES TAX	314.45
			ESTIMATED TOTAL	6289.21

Ravin 3737

AUTHORIZATION Greg Rowe 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.



CONSOLIDATED
Oil Well Services, LLC

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

5720
5626

Invoice # 801553

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 51478
LOCATION Dakley Kr
FOREMAN Jerry Y
Miles S
KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-4-16	7173	Kochan-Mollenkamp #1	14	15S	36W	Logan
CUSTOMER			Leot: N to Dakota E to 200 1/2 N E into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cory D		
STATE			515	Rob S		
ZIP CODE			600			
			703			

JOB TYPE long string HOLE SIZE 7 7/8 HOLE DEPTH 4923 CASING SIZE & WEIGHT 5 1/2 15.5 lb
CASING DEPTH 4921 DRILL PIPE _____ TUBING _____ OTHER PC @ 2544
SLURRY WEIGHT 14.2 SLURRY VOL. 1.42 WATER gal/sk _____ CEMENT LEFT IN CASING 21'
DISPLACEMENT 116 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - rig up (WW) run & knot logs. turbos on 1, 2, 4, 6, 8, 12, 56, 58, 76 baskets on 9, 57, 75, Port Collar on 57 @ 2544 run casing to bottom pump ball thru & circulate lhr. pump mud flush with 56 bbl H2O spacers mixed 200 sks Thixoblend III shut down release plug clean pump and lines, displace with 118 bbl fresh water plug loaded @ 1700 # 0 final lift 1200 # released back & float held press back to 500 # & shut in.

Thank you
Jerry & crew

30 sks Rathole

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0458	1	PUMP CHARGE	3900.00	3900.00
CE 0002	45	MILEAGE	7.15	321.75
CE 0710	10.81	ton mileage delivery	1.25	851.25
CC 5862	230 sks	Thixoblend III	26.00	5980.00
CC 6077	1150 #	Kol seal	5.00	5750.00
CC 6000	58 #	CDI-26	7.85	455.30
CC 6155	32 #	CAF-38	10.20	326.40
CC 6125	841 500 gal	mud flush	0.5	325.00
CP 8485	1	5 1/2 AFU Float shoe	585.00	585.00
CP 8254	1	5 1/2 latch down assy	400.00	400.00
CP 8576	9	5 1/2 turbo lizers	110.00	990.00
CP 8629	3	5 1/2 baskets	385.00	1155.00
CP 8776	1	5 1/2 Port Collar # 150696	2850.00	2850.00
			Subtotal	18747.40
			-35%	6550.10
			Subtotal	12197.30
			SALES TAX	709.39
			ESTIMATED TOTAL	12873.96

Ravin 3737

AUTHORIZATION Gay Rowen 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.