

Kansas Corporation Commission Oil & Gas Conservation Division

1087189

Form ACO-1
June 2009
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: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	feet depth to:w/sx cmt.
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
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Spud Date or Date Reached TD Completion Date or Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I I II Approved by: Date:

Side Two



Operator Name: _ Lease Name: _ _ Well #: _ County: _ INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used 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 PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Harrison A 12
Doc ID	1087189

Tops

Name	Тор	Datum
Anhydrite	1493	+660
Topeka	3074	-921
Heebner	3284	-1131
Toronto	3303	-1152
Lansing	3325	-1172
ВКС	3544	-1391
Arbuckle	3564	-1411
LTD	3617	-1464

MUD LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Harrison A #12

Location: Sec. 17 ;Twnsp. 9s.; Rge. 18w.

License Number: 32278 Region: Rooks County, KS

Spud Date: 5-24-2012 Drilling Completed: 6-2-2012

Surface Coordinates: E2 SW SE SE

330' FSL & 940' FEL

Bottom Hole

Coordinates:

Ground Elevation (ft): 2146' K.B. Elevation (ft): 2153' Logged Interval (ft): 2800' To: 3615' Total Depth (ft): L 3617

Formation: Arbuckle

Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: TENGASCO, INC. Address: 1327 Noose Rd.

Hays, KS. 67601

GEOLOGIST

Name: Mike Bair

Company: Basin Resources L.L.C.

Address: Longmont, CO.

FORMATION TOPS

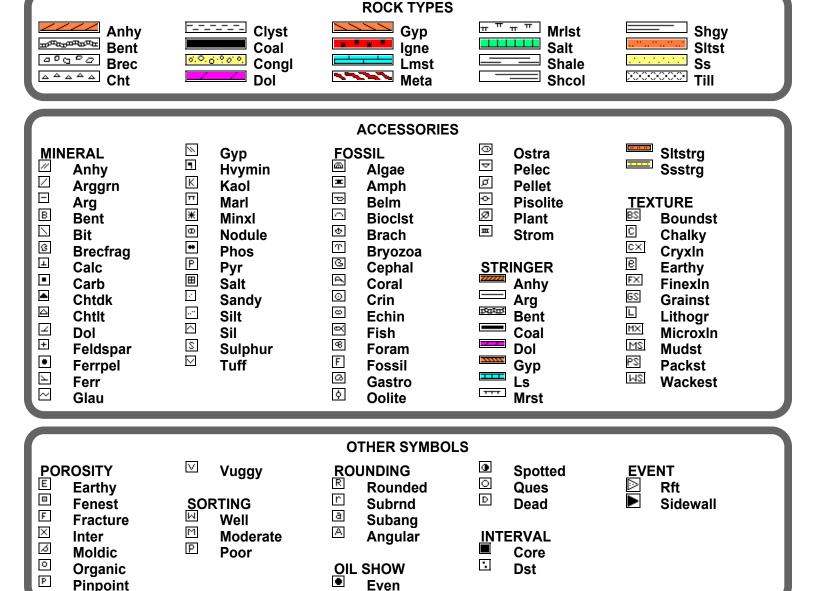
FORMATION	LOG TOP	SAMPLE TOP
Anhydrite	1493 (+660)	
Topeka	3074 (-921)	3077 (-924)
Heebner	3284 (-1131)	3288 (-1135)
Toronto	3303 (-1152)	3306 (-1155)
Lansing	3325 (-1172)	3328 (-1175)
BKC	3544 (-1391)	3546 (-1393)
Arbuckle	3564 (-1411)	3570 (-1417)
TD	3617 (-1464)	3620 (-1467)

DSTs

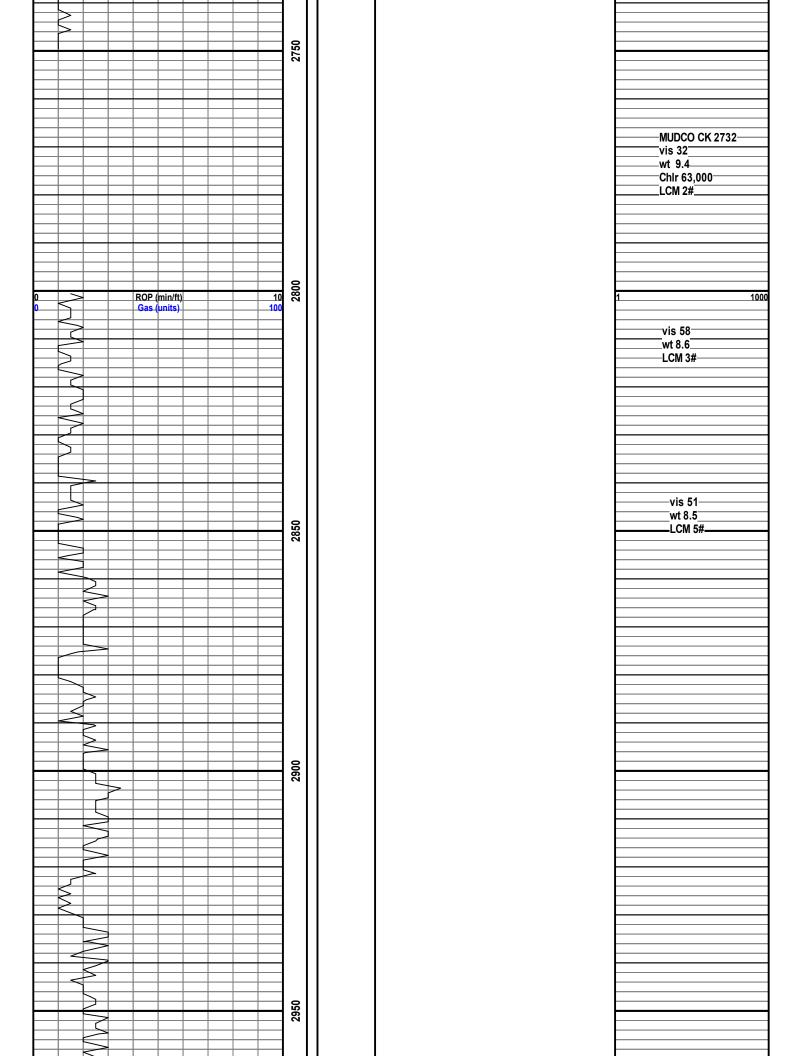
None

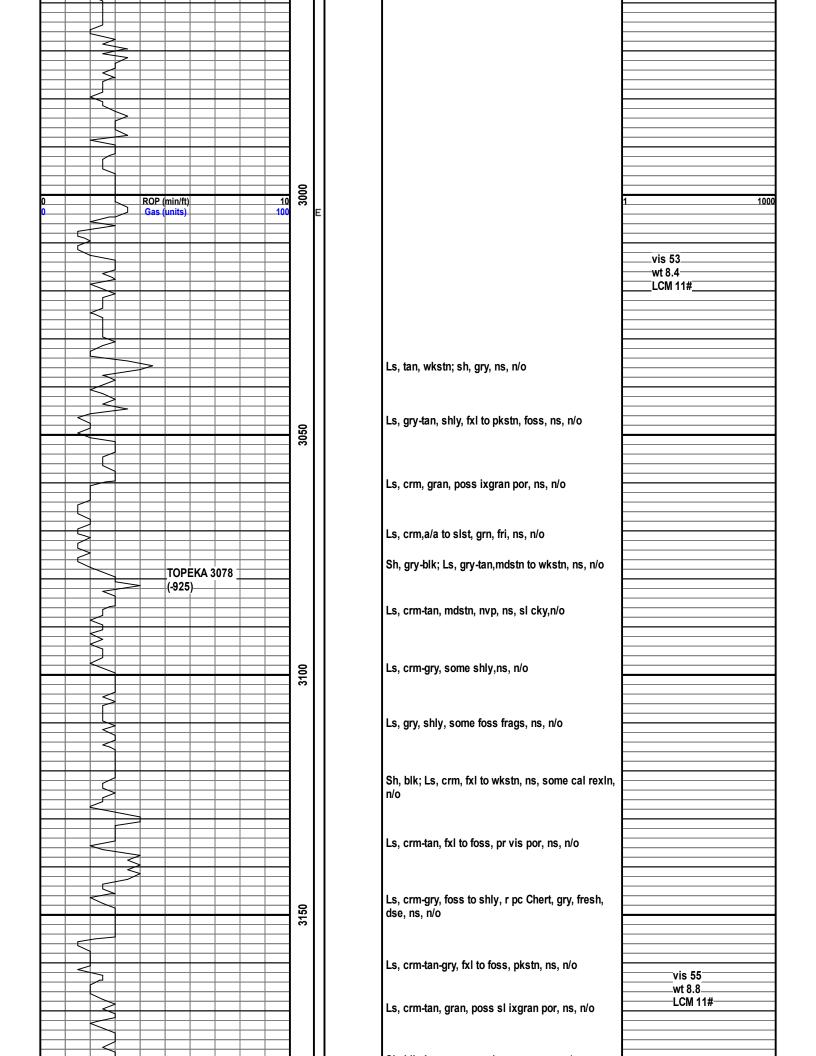
Comments

Production casing was ran to turther test the potential of the Arbuckle formation.



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Curve Track 1 ROP (min/ft) Gas (units)		Depth	Porosity Type Lithology	Geological Descriptions	Remarks TG (Units)
ANHYDRITE TOP 1495 (+658) ANHYDRITE BASE 1532 (+621)	100				1 1000





Ls, wh-crm, midsth, whisth, ris, no MUDCO CX 3180										Sh, blk: Ls, crm, gran, ixgran por, ns, n/o	0
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Wit 6.8 Wit				\vdash	\vdash					LS, WII-CIIII, IIIGSUI, WKSUI, IIS, II/O	
## 1											
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Ls, crm-gry, pr vis por, ns, nio Ls, crm-gry, pr vis por, ns, nio Ls, crm-dan, ful, wkstn to Ls, gry, si shly, ns , nio r pc Sh, bik; Chert, wh, dense, fresh, ns, nio Ls, crm, ful to si gran, spréd sin, si sfo wh bxn, pr to si it largan por, si odor 3250 Ls, crm, ful to si gran, spréd sin, si sfo wh bxn, pr to si it largan por, si odor 3250 Ls, crm, ful to si gran, spréd sin, si sfo wh bxn, pr to si it largan por, si odor 3250 Ls, crm, ful to si gran, spréd sin, ns, nio Ls, crm-brn, foss to shly, ns, nio Ls, gry-tan, meatly, some w micro pyrite xis, Sist, grn, nio Ls, ms, ful, pr vg por, spréd sin, r sfo, low rep, nio 3320 Ls, wn, ful, pr vg por, spréd sin, r sfo, low rep, nio 3320 Ls, wh, ful, pr vg por, spréd sin to Ls, col, spréd sin, r sfo, nio Ls, wh, ful, pr vis por, spréd sin to Ls, col, spréd sin, r sfo, nio Ls, tan, ala to Chert, brn, fid, ns, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf stn, fiow w cal xis, it sar'd sin, r sfo, nio Ls, wh, ful, spréd surf	0		\searrow		ROP (r	nin/ft)			32	a/a: r no Chart transl foss frosh dea n	11 0 0.00
Ls, crm-tan, fxl, wkstm to Ls, gry, sl shly, ns, nio rpc Sh, blk; Chert, wh, dense, freeh, ns, nio Ls, crm, bit to sl gran, spt'd stn, sl sio wh bxn, pr to sl ixgran por, sl odor 3250 Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm-brn, foss to shly, ns, nio aia, sct'd Chert, gry-brn, freeh, dns, ns, nio sl, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, nio Ls, gry-tan, meely, some w micro pyrite xis, Slst, gr, srm-tan, no, rio Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, nio 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, nio 3320 Ls, wh, cky, vnp to Ls, crm, vf gran, sl por, spt'd stn, rsfo, nio Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, apt'd stn, v sl sto wh bxn, nio Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, apt'd stn, v sl sto wh bxn, nio Chert, transi; Ls, ool, aia, nio Ls, tan, aia to Chert, brn, fxd, ns, nio Ls, wh, fxl, spt'd surf stn, few w cal xis, it sat'd sin, r sfo, nio Ls, wh, fxl, spt'd surf stn, few w cal xis, it sat'd sin, r sfo, nio Ls, wh-kan, fxl, nvp, ns; to Ls, r po wh, sl gran, it sat'd sin, r sfo, nio Ls, wh-kan, fxl, nvp, ns; to Ls, r po wh, sl gran, it sat'd sin, spt'd sin, spt'd ixgran, nio	0				Gas (inits)		100		ara, i pe onere uansi, ioss, iresii, use, ii	LCM 11#
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r pc Sh, blk; Chert, wh. dense, fresh, ns, n/o Ls, crm, bit to sl gran, sprtd sin, sl slo wh bxn, pr to sl ixgran por, sl odor 3250 Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl sin, nsfo, nvo Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm, sn, n/o Ls, crm, sh, pr vg por, sprtd stn, r sfo, low rep, n/o 3320 Ls, crm, th, pr vg por, sprtd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, sprtd stn, rslo, n/o Ls, wh, fit, pr vis por, sprtd stn to Ls, ool, aprtd stn, v sl sto wh bxn, n/o Ls, wh, stl, pr vis por, sprtd stn to Ls, ool, aprtd stn, v sl sto wh bxn, n/o Ls, tan, midstn-wkstn, few foss frage, r pc Ls, wh, txl, sprtd surf stn, pr por, nsfo, n/o Ls, tan, als to Chert, brn, fitd, ns, n/o Ls, tan, als to Chert, brn, fitd, ns, n/o Ls, wh, fit, ny, ns; to Ls, r pe wh, sl gran, it sard sin, sl so wh bxn, sprtd ixgran, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sl, n/p, ns; to Ls, r pe wh, sl gran, it sard sin, sl sl wh bxn, n/o Ls, wh, sl, sl wh bxn, sprtd ixgran, n/o										Les, crim-gry, pr via por, rie, rivo	
r pc Sh, blk; Chert, wh. dense, fresh, ns, n/o Ls, crm, bit to sl gran, sprtd sin, sl slo wh bxn, pr to sl ixgran por, sl odor 3250 Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Ls, crm, sl gran, foss, nvp, nsfo, sl odor Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl sin, nsfo, nvo Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm, sn, n/o Ls, crm, sh, pr vg por, sprtd stn, r sfo, low rep, n/o 3320 Ls, crm, th, pr vg por, sprtd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, sprtd stn, rslo, n/o Ls, wh, fit, pr vis por, sprtd stn to Ls, ool, aprtd stn, v sl sto wh bxn, n/o Ls, wh, stl, pr vis por, sprtd stn to Ls, ool, aprtd stn, v sl sto wh bxn, n/o Ls, tan, midstn-wkstn, few foss frage, r pc Ls, wh, txl, sprtd surf stn, pr por, nsfo, n/o Ls, tan, als to Chert, brn, fitd, ns, n/o Ls, tan, als to Chert, brn, fitd, ns, n/o Ls, wh, fit, ny, ns; to Ls, r pe wh, sl gran, it sard sin, sl so wh bxn, sprtd ixgran, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sprtd surf stn, tww u cal xls, it sard sin, r slo, n/o Ls, wh, sl, sl, n/p, ns; to Ls, r pe wh, sl gran, it sard sin, sl sl wh bxn, n/o Ls, wh, sl, sl wh bxn, sprtd ixgran, n/o										1	
Ls, crm, fxl to si gran, sprd stn, si sfo wh bxn, pr to si kyran por, si odor 3250 Ls, crm, si gran, foss, nvp, nsfo, si odor Ls, crm-brn, foss to shly, ns, n/o Ls, crm-brn, foss to shly, ns, n/o Sh, blk, si carb, platy; r pc Ls, crm, pr por, si sin, nsfo, n/o Ls, gry-lan, meally, some w micro pyrite xis, Sist, grn, ns, n/o Ls, crm-lan, fxl, r pfc w sh incl, si cky, ns, n/o Ls, crm, fxl, pr vg por, sprd stn, r sfo, low rep, n/o 3320 Ls, wh, fxl, yr vi por, sprd stn to Ls, col, sprd stn, nsfo, n/o Ls, wh, fxl, sprd surf stn, fw fos frags, r pc Ls, wh, fxl, sprd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o										Ls, crm-tan, fxi, wkstn to Ls, gry, si sniy	, ns , n/o
Ls, crm, fxl to si gran, sprd stn, si sfo wh bxn, pr to si kyran por, si odor 3250 Ls, crm, si gran, foss, nvp, nsfo, si odor Ls, crm-brn, foss to shly, ns, n/o Ls, crm-brn, foss to shly, ns, n/o Sh, blk, si carb, platy; r pc Ls, crm, pr por, si sin, nsfo, n/o Ls, gry-lan, meally, some w micro pyrite xis, Sist, grn, ns, n/o Ls, crm-lan, fxl, r pfc w sh incl, si cky, ns, n/o Ls, crm, fxl, pr vg por, sprd stn, r sfo, low rep, n/o 3320 Ls, wh, fxl, yr vi por, sprd stn to Ls, col, sprd stn, nsfo, n/o Ls, wh, fxl, sprd surf stn, fw fos frags, r pc Ls, wh, fxl, sprd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o	<u> </u>	-			\vdash						
Ls, crm, fxl to si gran, spfd stn, si sfo wh bxn, pr to si kyran por, si odor 3250 Ls, crm, si gran, foss, nvp, nsfo, si odor Ls, crm-brn, foss to shly, ns, n/o Ls, crm-brn, foss to shly, ns, n/o Ls, crm-brn, foss to shly, ns, n/o Sh, bik, si carb, platy; r pc Ls, crm, pr por, si stn, nsfo, n/o Ls, gry-lan, meally, some w micro pyrite xis, Sist, grn, ns, n/o Ls, crm-lan, bd, r pfe w sh incl, si cky, ns, n/o Ls, crm, bd, pr vg por, spfd stn, r sfo, low rep, n/o 3320 Ls, wh, tkl, pr vg por, spfd stn to Ls, col, spfd stn, nsfo, n/o Ls, wh, tkl, pr vis por, spfd stn to Ls, col, spfd stn, nsfo, n/o Ls, wh, tkl, pr vis por, spfd stn to Ls, col, spfd stn, nsfo, n/o Ls, wh, tkl, pr vis por, spfd stn to Ls, col, spfd stn, nsfo, n/o Ls, wh, tkl, spfd surf stn, fw fos frags, r pc Ls, wh, tkl, spfd surf stn, pr por, nsfo, n/o Ls, wh, tkl, spfd surf stn, flow w cal xis, it safd stn, r sfo, in that safd stn, r sfo, in that safd stn, r sfo, in that safd stn, sl sfo wh bxn, spfd kgran, n/o Ls, wh-tan, tkl, nvp, ns; to Ls, r pc wh, sl gran, it safd stn, r sfo, n/o stn, spfd kgran, n/o											
Ls, crm, fxl to si gran, sprd stn, si sfo wh bxn, pr to si kyran por, si odor 3250 Ls, crm, si gran, foss, nvp, nsfo, si odor Ls, crm-brn, foss to shly, ns, n/o Ls, crm-brn, foss to shly, ns, n/o Sh, blk, si carb, platy; r pc Ls, crm, pr por, si sin, nsfo, n/o Ls, gry-lan, meally, some w micro pyrite xis, Sist, grn, ns, n/o Ls, crm-lan, fxl, r pfc w sh incl, si cky, ns, n/o Ls, crm, fxl, pr vg por, sprd stn, r sfo, low rep, n/o 3320 Ls, wh, fxl, yr vi por, sprd stn to Ls, col, sprd stn, nsfo, n/o Ls, wh, fxl, sprd surf stn, fw fos frags, r pc Ls, wh, fxl, sprd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh, fxl, sprd surf stn, flow w cal xis, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o Ls, wh-fxn, fxl, nvp, ns; to Ls, rpc wh, si gran, it sard stn, r sfo, n/o	_			_						r no Sh blk: Chart wh danca frach no	n/o
bs slikgran por, slidor 3250 Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Shibik, sligran, foss, myp, nsfo, sligran, nsio Shibik, sligran, foss, myp, nsfo, sligran, s										r pc 311, bik, chert, wii, delise, ilesii, iis,	100
bs slikgran por, slidor 3250 Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Shibik, sligran, foss, myp, nsfo, sligran, nsio Shibik, sligran, foss, myp, nsfo, sligran, s		_		-	\vdash						
bs slikgran por, slidor 3250 Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Ls, crm. shill, sligran, foss, myp, nsfo, slidor Shibik, sligran, foss, myp, nsfo, sligran, nsio Shibik, sligran, foss, myp, nsfo, sligran, s				_						Ls, crm, fxl to sl gran, spt'd stn, sl sfo w	h bxn, pr
Ls, crm, si gran, foss, nvp, nsfo, si odor Ls, crm-brn, foss to shiy, ns, n/o Ls, crm-brn, foss to shiy, ns, n/o Ala, scfd Chert, gry-brn, fresh, dns, ns, n/o Sh, bik, si carb, platy: r pc Ls, crm, pr por, si stn, nsfo, n/o Ls, gry-lan, mealy, some w micro pyrite xis, Sist, grn, ns, n/o Ls, crm-brn, fxl, r pg cw sh incl, sl cky, ns, n/o Ls, crm, txl, r pg cw sh incl, sl cky, ns, n/o Ls, crm, txl, pr vg por, spfd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, si por, spfd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spfd stn to Ls, ool, spfd stn, v si sfo wh bxn, n/o Chert, transi; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spfd surf stn, few, oss frags, r pc Ls, wh, fxl, spfd surf stn, few w cal xis, it safd stn, r sfo, n/o Ls, wh, txl, spfd surf stn, few w cal xis, it safd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, si gran, it safd stn, r sfo, si sfo wh bxn, spfd ixgran, n/o	<u> </u>									to sl ixgran por, sl odor 3250	71
Ls, crm, st gran, foss, nvp, nsfo, sl odor Ls, crm-brn, foss to shly, ns, n/o Ala, sctd Chert, gry-brn, fresh, dns, ns, n/o Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-lan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, sptd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, sptd stn, nsfo, n/o Ls, wh, fxl, pr vis por, sptd stn to Ls, ool, sptd stn, v sl slo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, sptd surf stn, pr por, nsfo, n/o Ls, tan, fxl, nr pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it satd stn, sl sfo wh bxn, sptd ixgran, n/o											
Ls, crm, st gran, foss, nvp, nsfo, sl odor Ls, crm-brn, foss to shly, ns, n/o Ala, sctd Chert, gry-brn, fresh, dns, ns, n/o Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-lan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, sptd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, sptd stn, nsfo, n/o Ls, wh, fxl, pr vis por, sptd stn to Ls, ool, sptd stn, v sl slo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, sptd surf stn, pr por, nsfo, n/o Ls, tan, fxl, nr pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it satd stn, sl sfo wh bxn, sptd ixgran, n/o	\vdash		-		\vdash						
Ls, crm, st gran, foss, nvp, nsfo, sl odor Ls, crm-brn, foss to shly, ns, n/o Ala, sctd Chert, gry-brn, fresh, dns, ns, n/o Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-lan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, sptd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, sptd stn, nsfo, n/o Ls, wh, fxl, pr vis por, sptd stn to Ls, ool, sptd stn, v sl slo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, sptd surf stn, pr por, nsfo, n/o Ls, tan, fxl, nr pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh, fxl, sptd surf stn, few w cal xls, it satd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it satd stn, sl sfo wh bxn, sptd ixgran, n/o									20		
Ls, crm-brn, foss to shly, ns, n/o a/a, sct'd Chert, gry-brn, fresh, dns, ns, n/o Ala, sct'd Chert, gry-brn, fresh, dns, ns, n/o Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r pic w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, fxl, pr vis por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf'stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, spt'd surf'stn, few w cal xis, it sat'd sin, r sfo, n/o Ls, wh, fxl, spt'd surf'stn, few w cal xis, it sat'd sin, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it sat'd sin, r sfo, n/o			\leq			$ \overline{+}$ $\overline{-}$	 		32		
### A set of Chert, gry-brn, fresh, dns, ns, n/o ### A set of Chert, gry-brn, fresh, dns, ns, n			$\sqsubseteq \le$							Ls, crm, sl gran, toss, nvp, nsfo, sl odor	
### A set of Chert, gry-brn, fresh, dns, ns, n/o ### A set of Chert, gry-brn, fresh, dns, ns, n											
### A set of Chert, gry-brn, fresh, dns, ns, n/o ### A set of Chert, gry-brn, fresh, dns, ns, n											
### A set of Chert, gry-brn, fresh, dns, ns, n/o ### A set of Chert, gry-brn, fresh, dns, ns, n											
### A set of Chert, gry-brn, fresh, dns, ns, n/o ### A set of Chert, gry-brn, fresh, dns, ns, n	\vdash			_	\vdash					le crm-hrn foss to shly ne n/o	
Heebner 3288 (4-1135) Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Sist, grn, ns, n/o Ls, crm-fxl, r plc w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, txl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo n/o Ls, wh-fxl, nxl, nxp, ns; to Ls, r pc wh, sl gran, it sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o										L3, Cilii-bili, 1033 to 3111y, 113, 1110	
Heebner 3288 (4-1135) Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Sist, grn, ns, n/o Ls, crm-fxl, r plc w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, txl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo n/o Ls, wh-fxl, nxl, nxp, ns; to Ls, r pc wh, sl gran, it sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o			\leq	-	\vdash						
Heebner 3288 (4-1135) Sh, blk, sl carb, platy; r pc Ls, crm, pr por, sl stn, nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Sist, grn, ns, n/o Ls, crm-fxl, r plc w sh incl, sl cky, ns, n/o Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, txl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo n/o Ls, wh-fxl, nxl, nxp, ns; to Ls, r pc wh, sl gran, it sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o											
Heebrer 3288										a/a, sct'd Chert, gry-brn, fresh, dns. ns. r	1/0
nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p op or, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, vs l sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, lt sat'd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, lt sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o			Z							ara, oota onora, gry orn, noon, ano, no, n	
nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p op or, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, vs l sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, lt sat'd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, lt sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o			-								
nsfo, n/o Ls, gry-tan, mealy, some w micro pyrite xls, Slst, grn, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p[c w sh incl, sl cky, ns, n/o Ls, crm-tan, fxl, r p op or, spt'd stn, r sfo, low rep, n/o 3320 Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, vs l sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, ftd, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, lt sat'd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, lt sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o											
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Toronto 3306 C.(1153) C. L.s., crm. fxl., r p[c w sh incl., sl cky, ns, n/o L.s., crm. fxl., pr vg por, spt'd stn, r sfo, low rep, n/o 3320 vic. 53 wt 8.8 L.CM 10# L.s., wh., cky, vnp to L.s., crm., v f gran, sl por, spt'd stn, nsfo, n/o L.s., wh., fxl., pr vis por, spt'd stn to L.s., ool, spt'd stn, v sl sfo wh bxn, n/o vis 53 wt 8.9 L.CM 14# L.s., tan, mdstn-wkstn, few foss frags, r pc L.s., wh, fxl., spt'd surf stn, pr por, nsfo, n/o L.s., tan, a/a to Chert, brn, fid, ns, n/o L.s., wh., fxl., spt'd surf stn, pr por, nsfo, n/o L.s., wh., fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, sto wh.s., spt'd ixgran, n/o L.s., wh.fxl., spt'd ixgran, n/o L						(-1135)				nsfo, n/o	
Toronto 3306 C.(1153) C. L.s., crm. fxl., r p[c w sh incl., sl cky, ns, n/o L.s., crm. fxl., pr vg por, spt'd stn, r sfo, low rep, n/o 3320 vic. 53 wt 8.8 L.CM 10# L.s., wh., cky, vnp to L.s., crm., v f gran, sl por, spt'd stn, nsfo, n/o L.s., wh., fxl., pr vis por, spt'd stn to L.s., ool, spt'd stn, v sl sfo wh bxn, n/o vis 53 wt 8.9 L.CM 14# L.s., tan, mdstn-wkstn, few foss frags, r pc L.s., wh, fxl., spt'd surf stn, pr por, nsfo, n/o L.s., tan, a/a to Chert, brn, fid, ns, n/o L.s., wh., fxl., spt'd surf stn, pr por, nsfo, n/o L.s., wh., fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o L.s., wh.fxl., spt'd surf stn, sto wh.s., spt'd ixgran, n/o L.s., wh.fxl., spt'd ixgran, n/o L			$\vdash \subseteq$								
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Toronto 3306 (-(.1153)) Ls, crm, fxl, pr vg por, spt'd stn, r sfo, low rep, n/o 3320 Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, f/d, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o										Ls, crm-tan, fxl, r p[c w sh incl, sl cky, n	s, n/o
Lansing 3328 (-(1175) Lansing 3328 (-(1175) Ls, wh, cky, vnp to Ls, crm, v f gran, sl por, spt'd stn, nsfo, n/o Ls, wh, fxl, pr vis por, spt'd stn to Ls, ool, spt'd stn, v sl sfo wh bxn, n/o Chert, transl; Ls, ool, a/a, n/o Ls, tan, mdstn-wkstn, few foss frags, r pc Ls, wh, fxl, spt'd surf stn, pr por, nsfo, n/o Ls, tan, a/a to Chert, brn, fid, ns, n/o Ls, wh, fxl, spt'd surf stn, few w cal xls, it sat'd stn, r sfo, n/o Ls, wh-tan, fxl, nvp, ns; to Ls, r pc wh, sl gran, it sat'd stn, sl sfo wh bxn, spt'd ixgran, n/o	_	_	\searrow	_							
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odor Ls, wh, mst fxl, no vis por; Chent, trans, ns, nio LcM 15# Ls, wh, crm, fxl to ool, nvp, r pc it surf sin, left sto will sin, left sto medge w cal xis, fr sfo, low rep, v wk odor Ls, lit gry-wh, fxl-wskstn, ns, nio; Chent, transil, fild, ns Ls, wh-crm, it surf stn, few w stn on edge, msfo, nio als b Ls, wh-crm, it surf stn, few w stn on edge, msfo, nio als b Ls, wh, pkstn, si lox), si loxol por, sprid stn, sin, rs nio; chent, whereast 3550 Ls, sin w si gran, al skyran por, even sarfd stn, si sin, rs nio; chent, whereast 3550 Ls, wh-km, lw, prestn (ook), si loxol por, sprid sin, v si sfo, v wk odor; Chent, wh-transi 3550 Ls, wh-km, nvp, ns, nio 3550 Ls, wh, sil, si vsp por, fr sin, sil sfo, it odor wis 881- abdril Sh, gry-red, Chert, trans-wh, ns, nio MIDCO CK 3545- vis 681- v							-cts	3U-6U						ixool por, It surf stn to r spt'd sat'd stn, It sfo, wk	vie 62
Ls, wh. my thick, no vis por; Chert, trans, ns, nio Sh. bitk: Ls, wh., crm, fxl to ool, myp, r pc it surf atn, msfb, nio Ls, crm, fxl to ool, all ixcol por, sprid sarid stn, L-fr slow hixts, fr odor, low rep 3470 Ls, wh, hy br noil stn on edge w cal xis, fr sfb, low rep, v wk odor Ls, it gry-wh, fxl-wekstn, ns, nio; Chert, transl, fxl, ns Ls, wh-crm, it surf stn, flow w atn on edge, msfb, nio Ls, ala to si gran, al ixgran por, even sarid stn, si sfb, rsn vag in O 3510 ala to Ls, wh, prstn, si lat por, v si sfb, nio ala to Ls, wh, prstn, mix poly, si lindo por, sprid stn, v si sfb, v wi sfb, v wk odor; Chert, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh si gran, si stn, nsfb, nio Ls, crm, wkstn, r pc Ls, wh si gran, si stn, nsfb, nio Ls, trt, si v gp por, fr stn, si sfb, it door ARBIDIOC KS 3545 Ls, wh, fxl, si cky, sprid it surf stn, nsfb, nio Dolo, crm-alanon, f4mul, sprid to sarid stn, si-le (r pr pc) ala por, fr sid sid who, r noder, sh, gry 3575 40 min Dolo, crm-famil, sit-fi bit por, r pc si-li-fi vg por, sprid to sarid stn, L-fr sfb wit bun, many barren, fr odd sid stn, L-fr sfb wit bun, many barren, fr odd side side side side side side side si															
Ls, wh, mat fid, no vis por, Chert, trans, ns, no Sh, bit; Ls, wh, crm, fxi to ool, myp, r pc it surf str, usfor, no Ls, crm, fxi to ool, si ixxol por, spfrd sard str, L-fr slow hixxn, fr dodr, own rps 3470 Ls, wh, my brn oil str on edge w cal xis, fr sfo, low rep. v wk odor Ls, it gry-wh, fxi-wekstan, ns, n/o; Chert, transl, ild, ns Ls, wh-crm, it surf sh, flew w str on edge, nsfo, n/o Ls, sla to al gran, al ixgran por, even sard stn, al sfo, r sm vg, n/o 3510 aria to Ls, wh, grans (nol), sl incol por, spfrd stn, v sl sfo, n/o aria to Ls, wh, grans (nol), sl incol por, spfrd stn, v sl sfo, v wk odor; Chert, wh-ransl 3530 Ls, crm, wksth, r pc Ls, wh al gran, al stn, nsfo, n/o Ls, wh-tan, nrp, ns, n/o 3550 Ls, fxi, sl vg, pc, fr stn, sl sfo, it odor NIDCO CK 3545 Vis 80+ Wt. 7.8 Ohr 2000 Ls, wh, fxi, sl cky, spfrd it surf sin, nsfo, n/o Dolo, crms-almon, f4mxl, spf to sard stn, sl-fr (r pc gl) it por, fr sg to sh tran, fr snor, n/o Dolo, crms-almon, f4mxl, spf to sard stn, sl-fr (r pc gl) it por, fr sg to sh tran, fr snor, n/o Dolo, crms-almon, f4mxl, spf to sard stn, sl-fr (r pc gl) it por, fr sg to sh tran, fr snor, n/o Dolo, crms-almon, f4mxl, sl-fr (pc pc, spf to sard stn, sl-fr (r pc gl) it por, fr sg to sh tran, fr snor, n/o Dolo, crms-almon, f4mxl, sl-fr (pc pc, spf to sard stn, sl-fr (pc pc, spf to sard stn, sl-fr (pc, spf t					—										
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620														Ls, wh, mst fxl, no vis por; Chert, trans, ns, n/o	
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620				\leq										•	
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620				2											
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620	<u> </u>				>										
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620					\geq							Н			
str, nsfo, n/o Ls, crm, fxi to cod, si ixool por, spt'd sat'd str, L-fr slo wh bxn, fr coder, low rep 3470 Ls, wth, hvy brn oil str on edge w cal xis, fr sio, low rep, v wk odor Ls, kit gry-wth, fxi-wskstri, ns, n/o; Chert, transl, fid, ns Ls, wth-crm, it surf stn, fiew w stn on edge, nsfo, n/o Ls, alto si gran, si ixgran por, even sat'd stn, si sfo, rsm vg, n/o 3510 alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, pkstri, sl ixi por, v si sfo, n/o alla to Ls, wth, grnsth (col), si lincol por, spt'd stn, v si sfo, v wk odor; Chert, wth-dransi 3530 Ls, crm, wkstri, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wth-san, nvp, ns, n/o 3550 Ls, wth, si, si vy prof, fr stn, si sfo, lt odor wt si si abdril Sh, gry-red, Chert, trans-wth, ns, n/o Chi 2000 Ls, wth, si, si cky, spt'd it surf stn, nsfo, n/o Chi 2000 Ls, wth, si, si ki por, fre stn, si sfo, int odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few si th vp por, spt'd to said's stn, L-fr sfo wth bxn, fre odor; sh, gry 375' 40 min Dolo, crm, fand, si kir kir por, few di vy por to spinon, std, pr vis por, fr sfo, said's sh, fr sfo, incr in number of show rx, wk-Lir odor 3620 Dolo, wth, std, si-fr kir por, said stn, fr sfo, incr in number of show rx, wk-Lir odor 3620	\vdash		-		\geq				\vdash	_		Н		Sh, blk; Ls, wh, crm, fxl to ool, nvp, r pc It surf	
Ls, cm, ful to col, si ixool por, sprid safd stn, L-fr sfo wh bxn, fr odor, low rep 3470 Ls, wh, hvy brn oil stn on edge w cal xis, fr sfo, low rep, v wk odor Ls, lt gry-wh, ful-wskstn, ns, nio: Chert, transl, ffd, ns Ls, wh-cm, it surf sin, few w stn on edge, nsfo, nio Ls, air to si gran, si ixoran por, even safd stn, si sfo, rsn vg, nio 3510 Ls, wh, stn, ns ixi por, v el sfo, nio air to Ls, wh, gramstu (col), si incol por, sprid stn, v si sfo, v wk odor; Chert, wh-transl 3530 Ls, cm, wkstn, r pc Ls, wh si gran, si stn, nsfo, nio Ls, wh-tan, nvp, ns, nio 3550 Ls, ktl, si vg por, fr stn, si sio, it odor wt s.8. abdn't Sh, gry-red. Chert, trans-wh, ns, nio Ls, wh, fxt, si cky, sprid it surf stn, nsfo, nio Ls, wh, fxt, si cky, sprid it surf stn, nsfo, nio Dolo, cm-asimon, firmst, sprid to safd sin, al-fi tr pc gol xi por, fred sfo wh bxn, fr odor; sh, gry 375 40 min Dolo, cm, fraxt, si fr izi por, r pc si-L fr vg por, sprid sead sin, al-fi re pc gol xi por, fred sfo wh bxn, many barren, fred 3990 Dolo, and 3800 Dolo, cm, first, si kir jor, first fo, incr in number of show rx, wk-Lir odor 3620 Dolo, wh, fxt, si-fxt jor, satd stn, fr sfo, incr in number of show rx, wk-Lir odor 3620											150	Н			
Single S	<u> </u>		-	\leq	<u> </u>						34				
Single S				\geq											
Ls, wh, hry brn oil stn on edge w cal xis, fr sfo, low rep, v wk odor Ls, it gry-wh, fxl-wskstn, ns, n/o; Chert, transl, fid, ns Ls, wh-crm, it surf stn, few w stn on edge, nsfo, n/o Ls, ala to si gran, si ixgran por, even sat'd stn, si sto, r sm vg, n/o 3510 ar'a to Ls, wh, pkstn, si ixi por, v si sfo, n/o ar'a to Ls, wh, pkstn, si ixi por, v si sfo, n/o ar'a to Ls, wh, pkstn, si ixi por, v si sfo, n/o ar'a to Ls, wh, pkstn, si ixi por, v si sfo, n/o ar'a to Ls, wh, grnsth (col), si incol por, sprt'd stn, v si sfo, v wk odor; Chert, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, wh-tan, nvp, ns, n/o 3550 Ls, wh, fxl, si cky, sprt'd it surf stn, nsfo, n/o ARBUCKLE 3570 (-1417) Chi 2040-60 Dolo, crm-salmon, 4moz, sprt'd ssrt's ry gor, sprt's stn, v si sfo, wh bxn, fr odor; sh, gry 377 5 40 min Dolo, crm, frantl, si ixi por, free gry yp por to Salmon, bt, jr, v vis por, fr sfo, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3820 Dolo, wh, fxl, si fxl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3820	_				<u> </u>							Н			
Tow rep., v wk odor Ls, it gry-wh, fxt-wskstn, ns, n/o; Chert, transl, fid, ns												Н		sto wn bxn, tr odor, low rep 3470	
Tow rep., v wk odor Ls, it gry-wh, fxt-wskstn, ns, n/o; Chert, transl, fid, ns	\vdash														
Tow rep., v wk odor Ls, it gry-wh, fxt-wskstn, ns, n/o; Chert, transl, fid, ns				\geq								Н		Ls. wh. hvv brn oil stn on edge w cal xls. fr sfo.	
Ls, lt gry-wh, fxl-wskstn, ns, n/o; Chert, transl, fid, ns Ls, wh-crm, lt surf stn, few w stn on edge, nsfo, n/o Ls, a/a to si gran, si ixgran por, even sat'd stn, si sto, rsn vg, n/o 3510 a/a to Ls, wh, pkstn, si lxl por, v si sfo, n/o a/a to Ls, wh, pkstn, si lxl por, v si sfo, n/o Ls, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, txl, si vg por, fr stn, si sfo, it odor wit 8.8 abdn'l Sh, gry-red, Chert, trans-wh, ns, n/o wit 8.8 wit 7.8 Chir 2000 Ls, wh, fxl, si cky, spt'd it surf stn, nsfo, n/o Dolo, crn-salmon, f-fmxl, spt'd to sat'd stn, si-fr (r pc gd) lxl por, fr-gd sfo wh bxn, fr odor; sh, gry 3757 st 0 min Dolo, crn, fmxl, si-fr ki por, r pc si-fr vg por, spt'd to sar'd stn, l-fr sfo wh bxn, many barren, fr oddr 3590 Dolo, a/a 3600 Dolo, a/a 3600 Dolo, wh, fxl, si-fr ki por, few gd vy por to Salmon, fxl, pr vils por, fir sfo, sat'd stn, fr sfo, incr in number of show rx, wk-Lifr odor 3620					\geq									low rep, v wk odor	
Section Sect				<											
Section Sect															
Section Sect	\vdash								$ \top$	\dashv				Ls, It gry-wh, fxl-wskstn, ns, n/o; Chert, transl. f/d.	
No Ls, a/a to sl gran, sl ixgran por, even sa'rd stn, sl sfo, r sm vg, n/o 35:10 a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o a/a to Ls, wh, granstn (ool), sl incol por, spt'd stn, v sl sfo, v wk odor, Chert, wh-transl 35:30 Ls, wh-tan, nvp, ns, n/o 35:50 Ls, khl, sl y gor, fr stn, sl sfo, it odor wl 8.3 wl 1.7.3 wl 8.3 wl												Н			
No Ls, a/a to sl gran, sl ixgran por, even sa'rd stn, sl sfo, r sm vg, n/o 35:10 a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o a/a to Ls, wh, granstn (ool), sl incol por, spt'd stn, v sl sfo, v wk odor, Chert, wh-transl 35:30 Ls, crm, wkstn, r pc Ls, wh sl gran, sl stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 35:50 Ls, fxl, sl vg por, fr stn, sl sfo, it odor wl 8.a wl 1.7.a Chir 2000 Lc, wh, fxl, sl cky, spt'd it surf stn, nsfo, n/o wl 8.a wl 1.7.a Chir 2000 LCM 10# Chir 2000 LCM 10# Chir 2000 LCM 10# Chir 2000	_			\leq	-							Н			
Ls, a/a to si gran, si kyran por, even sa'td stn, si sfo, r sm vg, n/o 3510 a/a to Ls, wh, pkstn, si ki por, v si sfo, n/o a/a to Ls, wh, pkstn, si ki por, v si sfo, n/o a/a to Ls, wh, pkstn, si ki por, v si sfo, n/o Ls, wh, gran, si kyran por, even sa'td stn, v si sfo, n/o Ls, wh, pkstn, si ki por, v si sfo, n/o Ls, wh, si gran, si stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, ktl, si vg por, fr stn, si sfo, it odor MUDCO CK 3545 Vis 60+ wt 8.8 Schir 20000 Ls, wh, fxl, si cky, sp'td it surf stn, nsfo, n/o Dolo, crm-salmon, f-fmxl, spt'd to sa'td stn, si-fr (r pc gd) ixl por, fr-gd sio wh bxn, fr odor; sh, gry 375 Ad min Dolo, crm, f-mxl, si ki por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sa'td stn, fr odor 3810 incr odor Dolo, wh, fxl, si ki por, sa'td stn, fr sfo, incr in number of show rx, wk-tfr odor 3620				5										Ls, wh-crm, It surf stn, few w stn on edge, nsfo,	
Section Sect					\geq	1								n/o	
Section Sect				_								Н			
a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o a/a to Ls, wh, grnstn (ool), sl inool por, spr'd stn, v sl sfo, v wk odor; Chert, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh sl gran, sl stn, nsfo, n/o Ls, wh-dan, nvp, ns, n/o 3550 Ls, fxl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o Ls, wh, fxl, sl cky, spt'd it surf stn, nsfo, n/o Dolo, crm-salmon, f-fmxl, spt'd to sar'd stn, sl-fr (r pc gd) lxl por, fr-gd sfo wh bxn, fr odor; sh, gry 375 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sar'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, a/a 3600 Dolo, a/a 3600 Dolo, wh, fxl, sl-fr ixl por, few gd vy por to Salmon, fxl, pr vise por, fr sfo, sar'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sar'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	\vdash				-						00	Н			
a/a to Ls, wh, grnstn (ool), sl inool por, spt'd stn, v sl sfo, v wk odor; Chert, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh sl gran, sl stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, fxl, sl vg por, fr stn, sl sfo, lt odor with 8.8 wt. 7.8 wt.											35(Н		sto, r sm vg, n/o 3510	
a/a to Ls, wh, grnstn (ool), sl inool por, spt'd stn, v sl sfo, v wk odor; Chert, wh-transl 3530 Ls, crm, wkstn, r pc Ls, wh sl gran, sl stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, fxl, sl vg por, fr stn, sl sfo, lt odor with 8.8 wt. 7.8 wt.					_							Н			
V sl sfo, v wk odor; Chert, wh-transl 3530				5								Н		a/a to Ls, wh, pkstn, sl ixl por, v sl sfo, n/o	
V sl sfo, v wk odor; Chert, wh-transl 3530							_					Н		a/a to le wh groeth (ool) el inool nor ent'd eth	
Ls, crm, wkstn, r pc Ls, wh si gran, si stn, nsfo, n/o Ls, wh-tan, nvp, ns, n/o 3550 Ls, fxl, si vg por, fr stn, si sfo, it odor wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o Ls, wh, fxl, si cky, spt'd it surf stn, nsfo, n/o Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, si-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, si-fr ixl por, r pc si-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr od 3590 Dolo, a/a 3600 Dolo, a/a 3600 Dolo, a/a 3600 Dolo, wh, fxl, si-fr ixl por, sew gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, si-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620					\triangleright							Н		v sl sfo v wk odor: Chart whatrans! 3530	
No Ls, wh-tan, nvp, ns, n/o 3550 Ls, txl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o WL 7.8 Chir 2000 LCM 10# Chir 2000 Chir 200						\geq						Н		V 31 310, V WK Odor, Officia, Wil-trains 1 0000	
No Ls, wh-tan, nvp, ns, n/o 3550 Ls, txl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o WL 7.8 Chir 2000 LCM 10# Chir 2000 Chir 200												Н			
No Ls, wh-tan, nvp, ns, n/o 3550 Ls, txl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o WL 7.8 Chir 2000 LCM 10# Chir 2000 Chir 200												Н			
No Ls, wh-tan, nvp, ns, n/o 3550 Ls, txl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 abdn't Sh, gry-red, Chert, trans-wh, ns, n/o WL 7.8 Chir 2000 LCM 10# Chir 2000 Chir 200	_			<								Н		le crm wketn r no le whelgran eletn nefo	
Ls, wh-tan, nvp, ns, n/o 3550 Ls, fxl, sl vg por, fr stn, sl sfo, lt odor MUDCO CK 3545 vis 60+ wt 8.8 WL 7.8 Chir 2000 Ls, wh, fxl, sl cky, spt'd it surf stn, nsfo, n/o Dolo, crm.salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm. f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 ROP (minft) Gas (units) O O Gas (units) Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620															
Ls, fxl, sl vg por, fr stn, sl sfo, it odor					<	1						Н			
Ls, fxl, si vg por, fr stn, si sfo, it odor												Н		Le sub ten mun ne n/o 2550	
BKC 3546 (-1393) BKC 3546 (-1393) ARBUCKLE 3570 C1417) C1417) C15 20-40-60 Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600	_			_		-						Н		Ls, wn-tan, nvp, ns, n/o 3550	
BKC 3546 (-1393) BKC 3546 (-1393) ARBUCKLE 3570 C1417) C1417) C15 20-40-60 Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600												Н			
BKC 3546 (-1393) BKC 3546 (-1393) ARBUCKLE 3570 C1417) C1417) C15 20-40-60 Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600	\vdash	$\vdash \vdash$						\vdash		\exists				Ls, fxl, sl vg por, fr stn, sl sfo, lt odor	MIIDCO CK 3545
abdn't Sh, gry-red, Chert, trans-wh, ns, n/o Wt 8.8 WL 7.8 Chir 2000 LCM 10# Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, ala 3600 BOP (min/ft) 100 Gas (units) 100 BOP (min/ft) 100 BOP (min/ft) 100 Dolo, wh, fxl, sl-fr ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620							-BK0	354	6 (-1393	3)—	0			, , , , , , , , , , , , , , , , , , , ,	
abdn't Sh, gry-red, Chert, trans-wh, ns, n/o WL 7.8 Chir 2000 Ls, wh, fxl, sl cky, spt'd it surf stn, nsfo, n/o Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	\vdash									,	355				
ARBUCKLE 3570 C1417) Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620		H								\Box	•			abdn't Sh, gry-red, Chert, trans-wh, ns, n/o	
ARBUCKLE 3570 (-(-417) Cris 20-40-60 Dolo, crm. salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm. f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600															
ARBUCKLE 3570 (-1417) cfs 20-40-60 Dolo, crm-salmon, f-fmxl, spt'd to sat'd stn, sl-fr (r pc gd) ixl por, fr-gd sfo wh bxn, fr odor; sh, gry 3575 40 min Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, ala 3600 Dolo, crm, f-mxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	\vdash			\subseteq					$ \top$	\dashv					
Continue				上										Ls, wh, txl, sl cky, spt'd lt surf stn, nsfo, n/o	
Continue	\vdash	\vdash		1						\dashv		1 L		A . (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
cfs 20-40-60 Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620							_		LE 3570	0 🗆			4 4		
Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por, spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	\vdash				 	-	٠.		\vdash	-			4 4	pc ga) ixi por, tr-ga sto wn bxn, fr odor; sh, gry	
spt'd to sat'd stn, L-fr sfo wh bxn, many barren, fr odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620							_cfs	20-40	-60	\Box			4 4		
Odr 3590 Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	\vdash		<u> </u>		<u> </u>				\vdash	-			44	Dolo, crm, f-mxl, sl-fr ixl por, r pc sl-L fr vg por,	
Dolo, a/a 3600 Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620													7 4		
Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620		\vdash	\leq	-	-	+			\vdash				44	odr 3590	
Dolo, crm, fmxl, sl ixl por, few gd vy por to Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor 3610 incr odor Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620												<u> </u>	4 4	Dolo, a/a 3600	
Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor Gas (units) Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620 wt 8.9 LCM 12 1/2# 1000	\vdash									\dashv		<u> </u>	7 1	,	
Salmon, fxl, pr vis por, fr sfo, sat'd stn, fr odor Gas (units) Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620 wt 8.9 LCM 12 1/2# 1000		\square										<u> </u>	4 4		vio 70
ROP (min/ft) 100 3610 incr odor 1 LCM 12 1/2# 1000												 	4 4	Dolo,crm, tmxl, sl ixl por, few gd vy por to	
Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620			$\overline{}$		DOD	(mi 151)				40	009	F	4-7		1 014 40 4/0#
Dolo, wh, fxl, sl-fr ixl por, sat'd stn, fr sfo, incr in number of show rx, wk-Lfr odor 3620	0			2	Gas	μιιπ/π) units)					3	E	4-4		1000
number of show rx, wk-Lfr odor 3620	\vdash	\vdash	\leq	-	-					$\vec{-}$			4 4		
			\geq							\equiv			4 4		
Dolo, a/a to Dolo, wh. cherty nr vis nor few sl vo	<u> </u>	$\vdash\vdash$	-			 				\dashv			7 7	number of show rx, wk-Lfr odor 3620	
Dolo, a/a to Dolo, wh. cherty nr vis nor few sl vo			<	-									44		
	<u> </u>	\vdash			<u> </u>	-				_			4, 4,	Dolo, a/a to Dolo, wh. cherty, pr vis por, few sl vg.	

		TD 36								spt'd surf stn, sl sfo wh bxn, incr bsarren, fr odor	
\vdash	ᆣᇅ	D 361	! <i>'</i> —								
	\neg										
										Dolo, a/a to dolo, f-mxl, mst sl por, spt'd stn, sl	
\vdash	-				-					sfo - few fr sfo wh bxn, incr barren, L-fr odor	
\vdash	\dashv		_		-					3620 60	
	\neg									3020 00	
\vdash	-			_							
\vdash					-						
									3650		
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\vdash	\dashv			-	-		-				
	\dashv				_						
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	\neg										
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	\neg								00		

ALLIED OIL & GAS SERVICES, LLC 056127 Federal Tax I.D.# 20-5975804

P.O. B RUSSI		NSAS 676	65				SER	VICE POINT: Russ	ell
JE -25.12	SEC.	TWP	RANGE	CA	ALLED OUT	,	ON LOCATION	JOB START	JOB FINISH
LEASE HATTISON	WFI L#	A -12	LOCATION ACI	nvilla	210	21	winto	COUNTY	STATE
OLD OR NEW Cir		1	LOCATION (IS II		7,00	MM	- 7 //	1,0010	
CONTRACTOR TYPE OF JOB HOLE SIZE	Ameri	CLIN > (FILL T.D	20/c ×2		OWNER				
CASING SIZE		.	PTH 26H		AMOUN		ERED 1703	ix 4455	A
TUBING SIZE		DE	PTH				3711	27.60	
DRILL PIPE TOOL			PTH					•••	
PRES. MAX			PTH NIMUM		СОММО	N	170	@ 16-25	2762.50
MEAS. LINE			OEJOINT 15		POZMIX			@	
CEMENT LEFT IN	CSG.		15		GEL		3	@ 21.25	63.75
PERFS.			12 III		CHLORI	DE	_(e	@ 30.20	349.20
DISPLACEMENT	EOU		4161		ASC			_@ @	
	EQU	IPMENT	,						
PUMPTRUCK (CEMENT	ER XIL	4					@	
11.72	HELPER	tony						_@	
BULK TRUCK		-						_@ @	
	DRIVER	LOAY	<i>'</i>					@	
BULK TRUCK #	DRIVER							@	
1	DRIVER				HANDL		179	_@2.25	402.76
	DEI	LI DVC.			MILEAC	ј Е			4543.01
	REG	MARKS:						TOTAL	4040.01
ran 6 DX de	经 2	H# 1:	stiblist Like	lation			SERVI	CE	
mix 703%	123 A	31/1 2	1.60. Displace	w	DEPTH (OF JOB			
154 by sho	ixi	iń.					CHARGE		1125.00
16mt M	0 151	white &	& suffer.		EXTRA			@	
D. D.	0	1	0		MILEAG		11HV 49	_@_ <i>7W</i> _ @	343.45
			MANK	,	MANIFO	mL mL	11/ 49	@ 44D	196,00
			1.1				CF	@	
CHARGE TO:	Ac	ngasc	0						
STREET	,		THANKS!					TOTAL	16644
CITY	ST.	ATE	ZIP			P	LUG & FLOAT	EQUIPMEN	T
						-		@	
								_@	
To: Allied Oil & (3as Servi	ces. LLC						_@	
You are hereby re				nt					
and furnish cemer	iter and h	elper(s) t	o assist owner or	•	-			_@	
contractor to do w								TOTAL	<i>D</i>
done to satisfaction								IUIAL	
contractor. I have TERMS AND CO					SALES T	AX (If	Any) 200	0.05	
1 LIGHTO ACCO		ing matet	. on the levelses		TOTAL C	HARO	Any) IES	0.267.	.61
DOINTED MAKE						4.4	150 1692	54	D IN 20 D LVC
PRINTED NAME_	,	. /	1 -		DISCOU	141 A	- 10/M	r rai	פאש מכי אוו ט
	1 -16	//							
	-41	11.11	.(-	_
SIGNATURE A	reth	Karl	ર્ષ					B	5
SIGNATURE	eth	Karl	rl					B	5

ALLIED OIL & GAS SERVICES, LLC 056420 Federal Tax 1.D.# 20-5975804

RUSSELL, KANSAS 67665	•		ICE POINT:	oll Ks.
DATE 6-3-12 SEC. TWP. RANGE 8W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 9:00 Am
LEASE HARRISON WELL # A - 12 LOCATION PLAINE	1111e K5, 2W.	2N 4W	COUNTY	STATE
OLD ORNEW Circle one)			J	
HOLE SIZE 7 7/8 RT.D. 5 3620	OWNER TD. 3617 CEMENT			
CASING SIZE 5 4 New 14#DEPTH 3619 TUBING SIZE DEPTH	AMOUNT ORDE	RED_180	sx ASC.	
DRILL PIPE DEPTH	500 Gal	DER 2 M	ID ~ FIUSH	
TOOL PORT Colha @ DEPTH (52) PRES. MAX 2200 # MINIMUM 300#	COMMON_	D 5	@	
MEAS. LINE SHOE JOINT 2/	POZMIX			
PERFS.	GEL		_@	
DISPLACEMENT 87. 7864	CHLORIDE	SX	@ <u>1900</u>	3420-
EQUIPMENT			@	12-60
	mud FLush	500	_@ <u>/.27</u> @	635
PUMPTRUCK CEMENTER Gleve G. # 417 HELPER WOOD V.			@	
# 417 HELPER WOODY O. BULK TRUCK	180 com.		_@	
# 473 DRIVER Cony	20 Sale	11000	_@ _@	
BULK TRUCK # DRIVER	4-GeL	Car	@ <u></u>	2/0000
PONT Coller ON#50	HANDLING //	× 180× 1011	@ <u>2.55</u>	970.20
REMARKS: (1521)	8820			5430.20
RAN 87 NEW JOINT'S OF 14# 5%" CSG.	_		101112	
SeT @ 3619 Recieved Circ. Drop AFU		SERVI	CE	
BAIL C'IRCULATE HR. MIX MED FLUSH + Coment W/150 SX ASCA Cleap-Lin	P. DEPTH OF IOR	2/.19		-
Release Plug, 4 Displace 87.98 BBL FRESH	PUMP TRUCK C		6	2225
Water, LAND LATCH DN. Plug @ 2200 # - Release Pressure & Plug - (HELD),	EXTRA FOOTAG		@ 750	34300
30 SX @ Rat Hole, HANK'S	MILEAGE 49	Y ME	@	
		LYME	@ 42	19600
~	ROTATing	Head Rom	41 @_	200-
CHARGE TO: TENGASCO INC.				
·			TOTAL	296400
STREET		z	TOTAL	296400
STREETSTATEZIP	pri	IC & TI OAT		
11/	PLI	JG & FLOAT		
11/	PLI Floatshoe	ug & float		
11/2	Floatshoe Latch Down	ig & Float Tig Assy		
To: Allied Oil & Gas Services, LLC.	FIDATShoe LATCH DAWN 5 - Centrol	ug & float Ng Assy 2843		
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	Floatshoe LATCH Down 5-Centroll 2-BASKET Cost Coll	ig & Float Ng 438y 2843 3		
To: Allied Oil & Gas Services, LLC.	Floatshoe LATCH Down 5-CentRAL 2-BASKET COLL	ug & Float Tijā Assy Zedis 3	@	38106 19400 24500 47200 26000
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	Floatshoe LATCH DAWY S-Centroll 2-BASKET CONT COIL	UG & FLOAT		38106 19400 24500 47200 26000
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"	Floatshoe LATCH DOWN S-CONTROL 2-BASKET PORT COIL	Tug assy Zens S	eQUIPMEN @ @ 49 @ @ 23 C @ @ TOTAL	38106 19400 24500 47200 26000
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	FIDATShoe LATCH DOWN 5-CENTRAL 2-BASKET COIL SALES TAX (IFA	filig Assy 20 Ass 3 R 1y) 500	eQUIPMEN @ 49 6 @ 23 6 6 TOTAL	38106 19400 24500 47200 26000
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.	FIDETShoe LATCH DOWN 5-CENTRIL 2-BASKET PORT COIL SALES TAX (IFA	Tilg Assy 22843 318 119) 500 1228	@ 4900 @ 23000 @ TOTAL	38106 19400 24500 47200 260000 389200
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	FIDETShoe LATCH DOWN 5-CENTRIL 2-BASKET PORT COIL SALES TAX (IFA	Tilg Assy 22843 318 119) 500 1228	@ 4900 @ 23000 @ TOTAL	38106 19400 24500 47200 260000 389200
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ALLIED OIL & GAS SERVICES, LLC 056423

Federal Zax I.D.# 20-5975804 alt to P.O. BOX 31 SERVICE-POINT RUSSELL, KANSAS 67665 JOB FINISH 11:30 Augus TWP. RANGE SEC. CALLED OUT ON LOCATION JOB START 1:00 COUNTY STATE LOCATION Plainwille KS, 202N 4W LEASE PARISON WELL # A-12 OLD OR NEW (Circle one) OWNER CONTRACTOR TYPE OF JOB **HOLE SIZE** CEMENT CASING SIZE 5 1/2 **AMOUNT ORDERED** DEPTH TUBING SIZE 2 7/2 DEPTH **DRILL PIPE** DEPTH TOOL PORT COllar @ PRES. MAX 800 H DEPTH MINIMUM 300 # COMMON 165 SX MEAS. LINE SHOE JOINT POZMIX IIO SX CEMENT LEFT IN CSG. GEL PERFS. CHLORIDE DISPLACEMENT Gaus & 4360 @ F10-5 eu **EQUIPMENT** CEMENTER Gileun Gi PUMP TRUCK # 4/7 BULK TRUCK HELPER WOODY O, The @ 481 BULK TRUCK DRIVER HANDLING 289 70781 SX@ MILEAGE 49 TON MILE @ 11 REMARKS: TOTAL 6260.46 14/61 Test CSG, + PC. SERVICE 800 # HELD. PORT COllaps 1521 OPEN P. CALLAR of Reciouses DEPTH OF JOB 1.5.2/ MixeD 2 ToTal OF 275 46 GeL 44 Flor Soul, Displaced SBAL PUMPTRUCK CHARGE CloseD PORT COHOR EXTRA FOOTAGE (HELD), RAN MILEAGE 49 HYME @ 2 5 Joint'S OF TUBING MANIFOLD @ @ 4 °° CHARGE TO: CHARGE TO: TOTAL 1564 00 STREET. PLUG & FLOAT EQUIPMENT STATE Rep, Pat Persona 1D LI PULLATE TO To: Allied Oil & Gas Services, LLC. SURFGER 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 TOTAL -0 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL 255,30 SÁLES TAX (If Any) _ TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES 7824.46 DISCOUNT 20/50 2/93.90 IF PAID IN 30 DAYS PRINTED NAME_ BS 6-11 5630,56 Hay Wagni