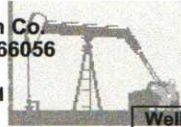


Cell # 620-363-2683

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056



Office # 913-795-2991

Surface: 20' of 6"	Cemented: 5 Sacks	Hole Size: 8 3/4"
Longstring: 348' of 2 7/8" 8 round pipe	Cemented: 50	Hole Size: 5 5/8"
SN:	Packer:	
Plugged:	Bottom Plug:	

TD: 350'

Well Log

Well #: 21W-14
Location: SW,NW,SE,NW, S9-T20-R23E
County: LINN
FSL: 3311' S
FEL: 3655' E
API#:15-107-24992-00-00
Started: 6/16/14
Completed: 6/17/14

Lease:	Stainbrook
Owner:	Bobcat Oilfield Services Inc.
OPR #:	3895
Contractor:	DALE JACKSON PRODUCTION CO.
OPR #:	4339

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
2	2	Top Soil	1	308.5	Shale
2	4	Clay	1.5	310	Shale (Oil Sand Stks)(Poor Bleed)
29	33	Lime	11	321	Shale
3	36	Shale	3	324	Coal
2	38	Black Shale	6	330	Shale
22	60	Lime	6	336	Lime
3	63	Shale	TD	350	Shale
2	65	Black Shale			
2	67	Lime			
5	72	Shale			
6	78	Lime			
4	82	Shale			
11	93	Light Shale (Limey)			
39	132	Shale			
24	156	Sandy Shale			
40	196	Shale			
1	197	Coal			
3	200	Shale			
13	213	Light Shale (Limey)			
15	228	Shale			
3	231	Coal			
3	234	Shale			
3	237	Lime			
29	266	Shale			
8	274	Lime			
2	276	Shale			
1	277	Light Shale (Slight Oder)			
1	278	Light Shale (Limey)(Slight Oder)			
1.5	279.5	Oil Sand (Some Shale)(Fair Bleed)			
2.5	282	Oil Sand (Some Shale)(Good Bleed) (Limey)			
.5	282.5	Shale (Oil Sand Stks)(Fair Bleed)			
3	285.5	Oil Sand (Some Shale)(Fair Bleed)			
1	286.5	Oil Sand (Some Shale)(Poor Bleed)(Some Water)			
2	288.5	Oil Sand (Shaley)(Fair Bleed)			
3.5	292	Sandy Shale(Oil Sand Stks)(Poor Bleed)			
4	296	Oil Sand (Very Shaley)(Fair Bleed)			
1	297	Sandy Shale			
1.5	298.5	Oil Sand (Some Shale)(Good Bleed)			
1.5	300	Oil Sand (Very Shaley)(Fair Bleed)			SET SURFACE - 12:30 PM - 6/16/14
1.5	301.5	Sandy Shale (Oil Sand Stks)(Poor Bleed)			CALLED IN 11:02 AM - TALKED TO BROOKE
1	302.5	Oil SABnd (Shaley)(Fair Bleed)			LONGSTRING - 348' of 2 7/8" 8' ROUND PIPE
1.5	304	Sandy Shale (Oil Sand Stks)(Poor Bleed)			SET TIME 1:00 PM - 6/17/14
3.5	307.5	Oil Sand (Shaley)(Good Bleed)			CALLED IN 12:04 PM - TALKED TO BROOKE



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API#: 15-107-24992-00-00
Started: 6/16/2014
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OPR #:	3895
Contractor:	DALE JACKSON PRODUCTION CO.
OPR #:	4339

Core Run #1

FT	Depth	Clock	Time	Formation/Remarks	Depth
0	278	0:00	-----	Oil Sand (Some Shale)(Fair Bleed)	279.5
1	279	0:45	.75		
2	280	2:00	1.25	Oil Sand (Some Shale)(Limey)(Good Bleed)	282
3	281	3:00	1		
4	282	3:45	.75	Shale (Oil Sand Stks)(Fair Bleed)	282.5
5	283	4:30	.75		
6	284	5:30	1	Oil Sand (Some Shale)(Fair Bleed)	285.5
7	285	6:15	.75		
8	286	7:30	1.25	Oil Sand (Some Shale)(Poor Bleed)(Some Water)	286.5
9	287	8:30	1		
10	288	9:30	1	Oil Sand (Shaley)(Fair Bleed)	288.5
11	289	10:15	.75		
12	290	11:15	1	Sandy Shale (Oil Sand Stks)(Poor Bleed)	292
13	291	12:30	1.25		
14	292	13:45	1.25	Oil Sand (Very Shaley)(Fair Bleed)	296
15	293	14:45	1		
16	294	15:45	1	Sandy Shale	297
17	295	17:00	1.25		
18	296	18:30	1.5	Oil Sand (Good Bleed)(Some Shale)	
19	297	19:45	1.25		
20	298	20:45	1		



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Lease :	Stainbrook
Owner:	Bobcat Oilfield Services Inc
OPR #:	3895
Contractor:	DALE JACKSON PRODUCTION CO.
OPR #:	4339

Core Run #2

FT	Depth	Clock	Time	Formation/Remarks	Depth
0	298	0:00	-----	Oil Sand (Some Shale)(Good Bleed)	298.5
1	299	1:15	1.25	Oil Sand (Very Shaley)(Fair Bleed)	300
2	300	2:45	1.5		
3	301	4:15	1.5	Sandy Shale (Oil Sand Stks)(Poor Bleed)	301.5
4	302	5:45	1.5	Oil Sand (Shaley)(Fair Bleed)	302.5
5	303	7:15	1.5	Sandy Shale (Oil Sabnd Stks)(Poor Bleed)	304
6	304	8:15	1		
7	305	9:45	1.5	Oil Sand (Shaley)(Good Bleed)	307.5
8	306	11:15	1.5		
9	307	12:30	1.25		
10	308	14:30	2	Shale	308.5
11	309	16:00	1.5	Shale (Oil Sand Stks)(Poor Bleed)	310
12	310	17:30	1.5		
13	311	19:30	2	Shale	
14	312	21:00	1.5		
15	313	22:45	1.75		
16	314	24:30	1.75		
17	315	26:15	1.75		
18					
19					
20					

P.1



1/2 Mile North of Louisburg
27295 Metcalf Rd.
P.O. Box 729
Louisburg, Kansas 66053
913-837-2955 • 1-800-521-1764

MOSSMAN LUMBER COMPANY

PAGE NO. 1

True Value.

CUSTOMER NO.	JOB NO.	PURCHASE ORDER NO.	REFERENCE	TERMS	CLEER	DATE	TIME
001			ORDER # 79592	NET 10%	RR	6/16/14	9:33

MOSSMAN LUMBER
27295 METCALF RD.
LOUISBURG, MO 66053

1/2 MILE NORTH OF LOUISBURG
27295 METCALF RD.
LOUISBURG, MO 66053

DEL. DATE: 6/16/14 TERMS: 551
 ELSPR: RR ROBERT ROAD
 TAX: 001 LOUISBURG, KS
 DOC# 179334

 # INVOICE #

 ORDER 79592

FROM MOSSMAN LUMBER 9138375871

QUANTITY ORDERED	UNIT	DESCRIPTION	UNIT PRICE	EXTENSION
240	EA	80# SX FLY ASH CLASS C	5.45 /EA	1,308.00
280	EA	94# PORTLAND CEMENT 1/11	9.50 /EA	2,660.00
14	EA	RETURNABLE PALLET	15.00 /EA	210.00
14	EA	SHRINK WRAPPED PALLET	5.00 /EA	70.00
1	EA	FUEL SURCHARGE	50.41 /EA	50.41
				4,298.41

*Stambrook
2/11/14*

AMOUNT CHARGED TO STORE ACCOUNT **	4,680.97	TAXABLE	4298.41
		NON-TAXABLE	0.00
		SUBTOTAL	4298.41
		TAX AMOUNT	382.56
		TOTAL DUE	4680.97

X RECEIVED BY _____

11/20/97