

Ackarman Hardware & Lumber
 Ackarman Inc
 160 East Main St
 Sedan, KS 67361
 620-725-3103
 Fax: 620-725-5688

CUSTOMER COPY



INVOICE

1805-120130 PAGE 1 OF 1

SOLD TO
STAN MILLER SM OIL & GAS P. O. BOX 189 SKIATOOK OK 74070

JOB ADDRESS
STAN MILLER SM OIL & GAS P. O. BOX 189 SKIATOOK OK 74070 918-396-3020

ACCOUNT	JOB
00680	0
SOLD ON	5/18/2018 9:41:57 AM
CUST PICKUP	
BRANCH	1000
CUSTOMER PO#	
STATION	A2
CASHIER	DK
SALESPERSON	CM
ORDER ENTRY	

Quantity	UM	Item	Description	D	T	Price	Per	Amount
10	EACH	MP10092	PORTLAND CEMENT 92.6#		Y	15.7500	EACH	157.50

Payment Method(s) Buyer: TOM OAST

Charge to Acct 173.25

KS 10.00%	SubTotal	157.50
	Sales Tax	15.75
	Deposit	
Please Pay This Amount		173.25

KEVIN # 99
 TOM OAST
 Signature TOM OAST

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **3924**
 Foreman Kevin McCoy
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
5-22-18	1180	Keith # 99				Cg	Ks	
Customer S.M. OIL & GAS, INC.			Unit #		Driver		Unit #	Driver
Mailing Address P.O. Box 169			105		DAVE G.			
City SKIATOOK			114		JASON H.			
State OK								
Zip Code 74070								

Job Type Longstring Hole Depth 665' Slurry Vol. 34 BBL Tubing _____
 Casing Depth 661' Hole Size 7 7/8" Slurry Wt. 14.8 Drill Pipe _____
 Casing Size & Wt. 5 1/2 Cement Left in Casing 0' Water Gal/SK _____ Other _____
 Displacement 15.5 BBL Displacement PSI 500 Bump Plug to 1000 PSI BPM _____

Remarks: SAFETY Meeting: Rig up to 5 1/2 casing. BREAK Circulation w/ 20 BBL Fresh water. Pump 300* Gel Flush w/ HULLS, 5 BBL WATER SPACER. MIXED 125 SKS OWC Cement w/ 2* PhenoSeal /SK @ 14.0*/GAL yield 1.52 = 34 BBL Slurry. WASH out Pump & Lines. Shut down. Release Plug. Displace Plug to Seat w/ 15.5 BBL Fresh water. FINAL Pumping Pressure 500 psi. Bump Plug to 1000 PSI. WAIT 2 mins. Release Pressure, Float Held. Shut in @ 0 PSI. Good Cement Returns to SURFACE = 7 BBL Slurry to Pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	30	Mileage	3.95	118.50
C 202	125 SKS	OWC Cement	19.15	2393.75
C 208	250 *	PhenoSeal 2*/SK	1.25 *	312.50
C 206	300 *	Gel Flush	.20 *	60.00
C 214	40 *	HULLS	.45	18.00
C108 A	6.5 TONS	Ton Mileage	M/C	345.00
C 113	3 HRS	80 BBL VAC TRUCK C & E OIL	85.00	255.00
C 224	3300 GALS	CITY WATER	10.00 /1000	33.00
C 404	1	5 1/2 Top Rubber Plug	70.00	70.00
			Sub Total	4655.75
			Less 5%	245.06
			8.5% Sales Tax	245.42
Authorization <u>witnessed by Toby</u> Title _____			Total	4656.11

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Elev 1047

WELL DRILLERS RECORD BOOK

Please save samples at even
5-Foot intervals
Bit size

Lease Keith Well # 99

Operator SMOIL & GAS INC

Show location of well in
section plat below

Sec. 20 Twp. 33S Rge. 10E
County Cherokee
Total Depth 849
Size of hole at bottom 4 3/4"

1 MILE

MILEAGE AND DIRECTION FROM NEAREST TOWN OR HIGHWAY

Driller Lowell Atchison

Drilling Contractor SMOIL & GAS INC

Date well started 5-18-18 completed _____

Casing Furnished by _____

Casing: Amount 48' Size 8 5/8

Miss From _____ To _____

Cement Furnished by SM Sacks 10

Sample Bags _____

Dozer Hours _____

Rig Time Hrs. _____

Core From _____ To _____

Core From _____ To _____

GAS TEST

8-18-18 REMARKS

8-9 Rig to Drill
9-11 Drill 48- hole
11-1 Run casing + cement

5-21-18

11-2 Drill from 48-350
2-3.5 casing + iron for head
Drill from
35-3 50-501

5-22-18

8-9
9-10 Drill from 501-665
10-10.5 Trip out + Lead
trucks

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
0	1	Topsoil	
1	8	clay	
8	14	(silty) shale	
14	16	(mixed) Limer. shale	
16	21	Limer. (mixed)	
21	22	Limer. shale	
22	26	Blk shale	
26	34	(mixed) Limer. shale	
34	38	sdly shale	
38	41	lmy sand w/sh STMS	
41	50	lmy sand	
50	60	ml shale (mixed)	
60	64	limer. shale	
64	66	Limer.	

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
66	68	Blk shale	
68	85	Limer.	w/sh STMS
85	89	Blk shale	
89	91	Limer.	
91	97	ml shale	
97	111	Red shale	
111	116	limer. (mixed)	
116	120	limer. shale	
120	123	Red & gray shale	
123	134	ml shale (mixed)	
134	140	Limer. shale	
140	144	ml shale	
144	150	limer. w/sh STMS	
150	161	Limer.	

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
161	169	Bk shale	
169	177	G shale	
177	181	w/ Lm STMS shaly sand	
181	189	shaly shale	w/ Lm STMS
189	194	shale	w/ Lm STMS
194	206	Red shale	w/ Lm STMS
206	214	G sand	w/ Lm STMS
214	238	Tan sand	
Fresh Water		slight amount. 214 - 238	
238	238	Lmy sand	
238	248	Tan sand	
Increase Fresh Water		fair amount 238 - 248	
248	254	mixed sand	w/ sh STMS
254	260	(laminated) sandy shale	

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
260	305	mg shale	w/ Lm STMS
305	310	mixed Lime	shale
310	348	lime	
348	351	Bk shale	
351	353	lime	
353	354	Bk shale	
354	355	lime	
355	365	mg shale	w/ Lm STMS
365	388	Red shale	
388	390	G sand	w/ sh STMS
390	401	(laminated) sand & shale	
401	411	mg shale	
411	416	mg shale	mixed lime
416	424	G shale	w/ Lm STMS

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
424	428	Red shale	
428	446	G sand w/sh STKS	
446	458	G sand	
Slight Increase water		446-458	salty
458	465	G sand w/sh STKS	
465	473	(no) laminated shale & sand	
473	483	G mg shale	
483	487	G sdy shale	
487	489	Red shale	
489	494	G sand w/sh STKS	
494	495	G sdy shale	
495	515	G sand	
515	518	G sand	
518	532	G mg shale w/snd STKS	
Slight Increase water		498-515	

DEPTH IN FEET		KIND OF ROCK	REMARKS
FROM	TO		
532	546	L T 700 sand	
Increase water		532-546	
546	552	G sdy shale	
552	559	G mg shale w/snd STKS	
559	566	G sand w/sh STKS	
566	572	G sdy shale	
572	647	G mg shale	
647	651	G shale & Lime	
651	654	Lime	
654		G mg shale w/Lm STKS	
	TD	665'	

- 5 1/2" casing set @ 661' cemented with 125 sacks
- Open Hole Drilled/completed From 661-849'

TD 849'