



Operator:
Grand Mesa Operating
Wichita, KS

Blythe 6-4S
Bourbon Co., KS
20-25S-22E
API: 011-24408

Spud Date:	1/30/2014	Surface Bit:	11"
Surface Casing:	8.625"	Drill Bit:	6.75"
Surface Length:	21.70'	Longstring:	762.65'
Surface Cement:	5 sx	Longstring Date:	2/4/2014
Longstring:	4 1/2" 10.5 lb.		

Driller's Log

Top	Bottom	Formation	Comments
0	20	Soil & clay	
20	75	Shale	
75	76	Lime	
76	80	Red Bed	
80	92	Shale	
92	98	Lime	
98	101	Shale	
101	112	Lime	
112	115	Shale	
115	120	Lime	
120	124	Shale	
124	130	Red Bed	
130	142	Shale	
142	144	Lime	
144	186	Shale	
186	187	Coal	
187	196	Shale	
196	219	Lime	
219	252	Shale	
252	258	Lime	
258	264	Shale	
264	286	Lime	20'
286	288	Shale	
288	291	Lime	5'

Blythe 6-45
Bourbon Co., KS

291	303	Shale	
303	307	Sand	Light oil show, tight sand, shaly
307	310	Sand	Mostly shale, very spotty oil show
310	332	Shale	
332	334	Coal	
334	370	Shale	
370	400	Sandy Shale	
400	428	Shale	
428	430	Coal	
430	440	Shale	
440	447	Sand	White, no oil show
447	548	Shale	
548	565	Sand	
565	594	Shale	
594	618	Sand	
618	660	Shale	
660	662	Coal	
662	668	Shale	
668	782	Lime	Miss - See below
782		TD	

Coring

Run	Footage	Rec.	
1	302-322	19'	
2	682-702	20'	
668-673	Lime - light odor, a little oil bleed		
673-678	Good oil bleed, well saturated samples		
678-682	Very good oil show, good drilling break, samples heavily saturated		
682-686	Fair oil saturation on the core		
686-691	Light spotty oil show		
691-695	No oil show		
695-697	Light oil show		



CONSOLIDATED
Oil Well Services, LLC

265833

TICKET NUMBER 42590
LOCATION Ottawa KS
FOREMAN Fred Mader

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
2-7-14	3372	Blythe # 645	W 20	25	22	BB

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Grand Mesa 1700 N Waterfront Pkwy Wichita KS 67206	712	Fred Mader		
	495	Har Bee		
	370	Ki Car		
	548	Mikhaa		

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 782' CASING SIZE & WEIGHT 4 1/2
 CASING DEPTH 762' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 12.2 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix Pump 100# Gel Flush. Pump 7.3 BBL. Tell tale dye. Follow w/ 122 sks 50/50 Por Mix Cement 2 gal 5% Salt 5# Kol Seal/sks. Flush pump + lines clean. Displace 4 1/2" Rubber plug to casing TD. Pressure to 600# PSI. Release pressure to set float valve.

Shut in Casing
Note: Snow & slick roads. Extended travel time
McGraw Drilling - Co. Fred Mader

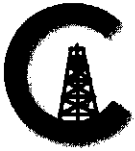
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	[REDACTED]
5406	65 mi	MILEAGE	495	[REDACTED]
5402	767	Casing footage		[REDACTED]
5407	368.74	Ten Miles	548	[REDACTED]
5582C	5 hrs	80 BBL Vac Truck	370	[REDACTED]
1124	1220 SKS	50/50 Por Mix Cement		[REDACTED]
1118B	305 #	Premium Gel		[REDACTED]
1117	236 #	Granulated Salt		[REDACTED]
1110A	600 #	Kol Seal		[REDACTED]
4404	1	4 1/2" Rubber Plug		[REDACTED]

completed

Revin 9737

AUTHORIZATION _____ 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

266093

TICKET NUMBER **48903**

PO BOX 884 STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

LOCATION Thayer, KS

FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-20-14	3372	Blythe #6-4		20	25	22	DB	Mississippi
CHARGE TO				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5303	X-1	PUMP CHARGE Acid Pump	\$Pee	[REDACTED]
5302	X-1	Acid spotter	\$Pee	[REDACTED]
3107	1000 gal	15% HCL Acid		[REDACTED]
3166	3 gal	INHIBITOR		[REDACTED]
3175B	6 gal	STIMUL		[REDACTED]
3171	4 gal	IRON CONTROL		[REDACTED]
3129	850 gal	CITY WATER		[REDACTED]
3172A	1.5 gal	KCl		[REDACTED]
3168A	1 gal	Biodis		[REDACTED]
5604	X-1	FRAC VALVE		[REDACTED]
5311	X-1	Ball detector		[REDACTED]
4326	90	Ball sealers		[REDACTED]
		BLENDING & HANDLING		
		TON-MILES		
		STAND BY TIME		
5306	55 miles	MILEAGE mobilization (2) P/AP.	Min	[REDACTED]
5501A	3 hrs	WATER TRANSPORTS		[REDACTED]
		VACUUM TRUCKS		
		FRAC SAND		
Add's - Acid SPOTTER MORE Ball sealers.				
			7.15	SALES TAX [REDACTED]
				ESTIMATED TOTAL [REDACTED]

Additional 5% discount available if paid within 10 days of invoice date WAC

CUSTOMER or AGENTS SIGNATURE _____ COWS FOREMAN Landon Weisling

CUSTOMER or AGENT (PLEASE PRINT) _____ DATE 2-20-14

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 services on the back of this form are in effect for services identified on this form.