

**Bouziden #2** **CMX, Inc.** **DRILLING REPORT**

Well Name: <b>Bouziden #2</b>	API Code:	Ref Well Name: Bouziden #1
Location: N/2 N/2 SW 13/34S/14W	Lease Name: <b>Bouziden #2</b>	Ref Well Operator: CMX, Inc
County / State: BARBER, KS	Field: Aetna	Ref LOC: C SE SE - 13/ 34S/ 14W
GL Level: 1636	Contractor: Duke Drilling Co.	Reference GL: 1638
KB Level: 1645	Operator: CMX, Inc.	Reference KB: 1648

Current Date 02-Apr-99

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**Formation Tops**

ORIGINAL

Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Ref Subsea	+/- To Ref Well	Comments
Cottonwood	0	1645	0	1648	-3	
Lecompton Lime	3697	-2052	3690	-2042	-10	
Kanwaka Shale	3730	-2085	3726	-2078	-7	
Oread Ls	3904	-2259	0	1648	-3907	
Heebner	3937	-2292	0	1648	-3940	
Toronto Lst	3959	-2314	0	1648	-3962	
Upper Douglas Lst	3978	-2333	0	1648	-3981	
Douglas Shale	4020	-2375	0	1648	-4023	
Lansing	4116	-2471	4135	-2487	16	
Stark Shale	4535	-2890	4557	-2909	19	
Base/Kansas City	4597	-2952	4582	-2934	-18	
Mississippi	4716	-3071	4725	-3077	6	
Kinderhook Sand	4990	-3345	5009	-3361	16	
Viola	5082	-3437	0	1648	-5085	
Simpson Shale	5208	-3563	0	1648	-5211	
Simpson Sand	5241	-3596	0	1648	-5244	

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**Drilling Report Details**

Date	Start Depth	Operation	Remarks
9/22/98	0	Making Location	Making location, preparing for Duke Drilling Rig #4 to move in.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/23/98	0	MIRT & spud	Duke Drilling spud #2 Bouziden
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/24/98	1000	Set Surface casin	Rathole ahead to check for loss circulation zone. Did not loose any fluid. Set 8 5/8" x 23 ppf surface casing @ 339'; cemented with 225 sacks 60/40 Pozmix, 2% gel 3% CaCl2, cement circulated at 7:45 AM.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/25/98	1262	Drilling	Drilling at 1262'.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/26/98	2611	Drilling	Drilling at 2611'.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/27/98	3192	Drilling	Drilling at 3192'.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/28/98	3779	Drilling	Drilling at 3779'. 140' from 1st possible zone.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0
9/29/98	4130	Drilling and DST	Drilling at 4130'. Drilling with plugged bit, so samples and drill times through the Douglas are invalid. Might have to run hook well or straddle after log. Proceeding to drill to Lower KC and Mississippia. Structurally, we are running fine to the Bouziden #1.
<b>Daily Mud Details</b>		<b>\$0.00</b>	<b>W.L.:</b> 0 <b>Vis :</b> 0 <b>M.W. :</b> 0 <b>Chlorides:</b> 0

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9/30/98 4412 Drilling and DST Drilling at 4412', KC zone. 300' off Mississippi, next potential test zone. Testing swope

**Daily Mud Details \$0.00 W.L.: 0 Vis : 0 M.W. : 0 Chlorides: 0**

10/1/98 4603 Drilling Drilling at 4603'.

**Daily Mud Details \$0.00 W.L.: 0 Vis : 0 M.W. : 0 Chlorides: 0**

10/2/98 4970 Drilling Drilling at 4970'. Base lwr chert porosity @ 4875' (-3220) +16', 14' poor porosity with good stain.

**Daily Mud Details \$0.00 W.L.: 0 Vis : 0 M.W. : 0 Chlorides: 0**

10/5/98 5240 Set Production C Ran in 96 jts of new 4 1/2" x 10 1/2" ppf with 11.43 shoe joint, talley 4169'; set casing with formation packer shoe at 4156.29'; cemented casing with 100 sacks of EA-Z, 5% calseal, 18% salt, 0.75% Halad, 5# gilsonite/sacks and 180 sacks MidCon II, 2% CaCl2, 0.25# flocele/sx and 5# gilsonite/sx. Pumped plug down at 5:45 AM; float held; released Duke Rig #4.

**Daily Mud Details \$0.00 W.L.: 0 Vis : 0 M.W. : 0 Chlorides: 0**

**Casing History**

Size	Weight	Grade	Brand	Type	Condition	Set Depth	Footage
8 5/8"	23#	API	JJ55	Surface	New	339	0

**Cement Description:** 225 sacks of 60/40 pozmix, 2% gel, 3% CaCl2

4 1/2"	10.5	API	JJ55	Production	New	4156.29	4169
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**Cement Description:** 100 sx of EA-Z, 5% calseal, 18% salt, 0.75% Halad, 5# gilsonite/sx and 180 sacks MidCon II, 2% CaCl2, 0.25# flocele/sx and 5# gilsonite/sx.

**DRILL STEM TEST RESULTS**

DST	Date	Formation	Int Start	Int End	ISIP	FSIP	IFP	FFP	Time Interval
1	9/29/98	Lansing "A"	4130	4150	1537	1539	2-357	371-693	30-45-45-60

**1st Open:** Fair blow increased to off b.o.b. in 4 minutes. **2nd Open:** Fair blow, increased to off b.o.b. in 5 minutes. **Recovery:** 120' SMCW, 1350' of SW.

2	9/30/98	Swope	4530	4545	1506	1566	34-40	52-83	30-45-45-60
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**1st Open:** Strong blow off b.o.b. immediately, GTS in 9 minutes, flow 11.1 MCFG in 10 minutes, decreased to 7.51 in 30 minutes. **2nd Open:** Flow 15.7 MCFG in 5 minutes, increased and stabilized to 20.7 MCFG in 15 minutes. **Recovery:** 50' GCWM, 22% SW, 120' SW.