



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1119399
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1119399

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Schmitt 6
Doc ID	1119399

Tops

Name	Top	Datum
Anhydrite	766	+1013
Tarkio Lime	2417	-638
Topeka	2672	-893
Heebner	2913	-1134
Toronto	2930	-1151
Lansing	2972	-1193
Base Kansas City	3177	-1398
Arbuckle	3228	-1449

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 21, 2013

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-167-23843-00-00
Schmitt 6
SE/4 Sec.04-15S-14W
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen Bangert

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Schmitt #6
S/2-NW-SW-SE (760' FSL & 2310' FEL)
Section 4-15s-14w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: December 15, 2012
Completed: December 21, 2012
Elevation: 1779' K.B; 1777' D.F; 1771' G.L.
Casing program: Surface; 8 5/8" @ 431'
Production; 5 1/2" @ 3305'
Sample: Samples saved and examined 2200' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2200 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were four (4) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors Completion and Production Services Co; Dual Induction, Compensated Density/Neutron Log and Micro

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	766	+1013
Base Anhydrite	803	+976
Grand Haven	2346	-567
1 st Tarkio Sand	2358	-579
Dover	2371	-592
2 nd Tarkio Sand	2377	-598
Tarkio Lime	2417	-638
Elmont	2476	-697
Topeka	2672	-893
Heebner	2913	-1134
Toronto	2930	-1151
Lansing	2972	-1193
Base Kansas City	3177	-1398
Arbuckle	3228	-1449
Rotary Total Depth	3306	-1527
Log Total Depth	3306	-1527

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

1ST TARKIO SAND SECTION

2358-2366' Sand; gray, highly shaley, silty, poorly developed no shows.

2ND TARKIO SAND SECTION

2377-2384' Sand; gray, grayish green, very fine grained, sub rounded, friable, fair intergranular porosity, micaceous, silty, brown stain, show of free oil and questionable odor.

Drill Stem Test #1 **2349-2400'**

Times: 30-30-45-45

Blow: Fair

**Recovery: 35' slightly oil cut mud
(10% oil, 50% mud)
30' very slightly oil cut muddy water
(5% oil, 10% water, 85% mud)
60' oil spotted muddy water
(90% water, 10% mud)**

**Pressures: ISIP 615 psi
FSIP 617 psi
IFP 21-46 psi
FFP 54-76 psi
HSH 1118-1044 psi**

TOPEKA SECTION

2860-2870' Limestone; white/gray, fossiliferous, sub oomoldic, chalky, poor stain, no free oil and no odor in fresh samples.

TORONTO SECTION

2930-2940' Limestone; white, gray, finely crystalline, fossiliferous, scattered intercrystalline porosity, dark brown and black stain, no free oil and no odor in fresh samples.

LANSING SECTION

2972-2982' Limestone; gray, tan, finely crystalline, oolitic/fossiliferous, poor visible porosity, trace dark brown stain, no free oil and no odor.

2996-3002' Limestone; cream, tan, finely crystalline, oolitic, sub oomoldic, scattered porosity, light brown stain, no show of free and no odor.

3011-3023' Limestone; white, tan, finely crystalline, oolitic, sub oomoldic, chalky, trace dark brown stain, no free oil and no odor.

3056-3066' Limestone; tan, gray, finely crystalline, poor visible porosity, no shows.

- 3068-3080' Limestone; cream, tan, finely oolitic/fossiliferous, poor porosity, chalky, few cherty, no shows.
- 3118-3126' Limestone; cream, tan, fossiliferous, chalky, poor porosity, no shows.
- 3138-3146' Limestone; white, gray, cream, finely crystalline, oolitic/fossiliferous, scattered intercrystalline to vuggy type porosity, dark brown stain, no free oil and no odor.
- 3154-3166' Limestone; cream, tan, finely crystalline, oolitic, few fossiliferous, poor intercrystalline type porosity, brown and black stain, no free oil and no odor.
- 3190-3196' Limestone; white, light gray, finely crystalline, poor visible porosity, no shows.

ARBUCKLE SECTION

- 3229-3233' Dolomite; white, light gray, fine to medium crystalline, scattered porosity, golden brown stain, show of free oil, and good odor in fresh samples.

Drill Stem Test #2 **3200-3233'**

Times: 30-30-30-30

Blow: Weak

Recovery: 20' clean oil
10' very slightly oil cut mud
(5% oil, 95% mud)

Pressures: ISIP 1058 psi
FSIP 1025 psi
IFP 19-21 psi
FFP 24-26 psi
HSH 1667-1592 psi

- 3233-3240' Dolomite; as above, fair intercrystalline porosity, scattered vuggy type porosity, golden brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #3 **3231-3240'**

Times: 30-45-30-45

Blow: Weak

Recovery: 25' gas in pipe
125' clean oil
30' slightly oil cut mud
(20% oil, 80% mud)

Pressures: ISIP 979 psi
FSIP 959 psi
IFP 22-46 psi
FFP 53-76 psi
HSH 1652-1550 psi

3240-3246' Dolomite; white, medium crystalline, fair intercrystalline porosity, few fine vuggy porosity, golden brown stain, good show of free oil and fair odor in fresh samples.

Drill Stem Test #4 3234-3246'

Times: 30-45-45-60

Blow: Strong

Recovery: 105' gas in pipe
165' clean oil
30' very slightly oil cut muddy water
(5% oil, 20% water, 75% mud)

Pressures: ISIP 964 psi
FSIP 966 psi
IFP 20-48 psi
FFP 55-91 psi
HSH 1659-1592 psi

3246-3260' Dolomite; white, light gray, fine and medium crystalline, poor visible porosity, brown stain, show of free oil and fair odor in fresh samples.

3260-3280' Dolomite; white/gray, medium crystalline, scattered intercrystalline porosity, poor stain, trace of free oil and no odor.

3280-3306' Dolomite; white, cream, medium crystalline, poor porosity, slightly cherty, brown stain, trace of free oil and faint odor.

Rotary Total Depth 3306
Log Total Depth 3306

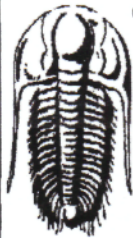
Recommendations:

5 1/2" production casing was set and cemented on the Schmitt #6.

Respectfully submitted;

James C. Musgrove & *Kurt Talbott*
James C. Musgrove and
Kurt Talbott,
Petroleum Geologists





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
 8411 Preston Rd Ste 800 Dallas TX 75225
 ATTN: Kurt Talbott

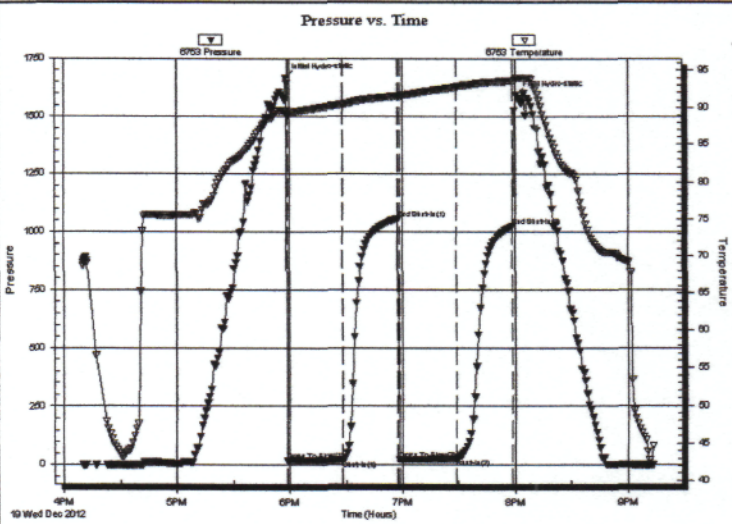
4-15s-14w Russell,KS
Schmitt #6
 Job Ticket: 51245 **DST#: 2**
 Test Start: 2012.12.19 @ 16:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:59:00
 Time Test Ended: 21:13:30
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Interval: **3200.00 ft (KB) To 3233.00 ft (KB) (TVD)**
 Total Depth: 3233.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1779.00 ft (KB)
 1771.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6753 Inside
 Press@RunDepth: 26.06 psig @ 3201.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 16:10:05 End Time: 21:13:29 Time On Btm: 2012.12.19 @ 17:58:00
 Time Off Btm: 2012.12.19 @ 20:00:30

TEST COMMENT: IF-1 1/2" blow
 ISI-No blow
 FF- 1/4" blow
 FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.94	89.62	Initial Hydro-static
1	19.47	88.89	Open To Flow (1)
30	20.83	90.44	Shut-In(1)
60	1058.01	91.54	End Shut-In(1)
61	24.20	91.43	Open To Flow (2)
91	26.06	92.76	Shut-In(2)
121	1025.27	93.54	End Shut-In(2)
123	1591.86	93.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SGO 5%G 95%O	0.28
10.00	VSOCM 5%O 95%M	0.14

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
8411 Preston Rd Ste 800 Dallas TX 75225
ATTN: Kurt Talbott

4-15s-14w Russell,KS
Schmitt #6
Job Ticket: 51246 **DST#: 3**
Test Start: 2012.12.20 @ 06:35:00

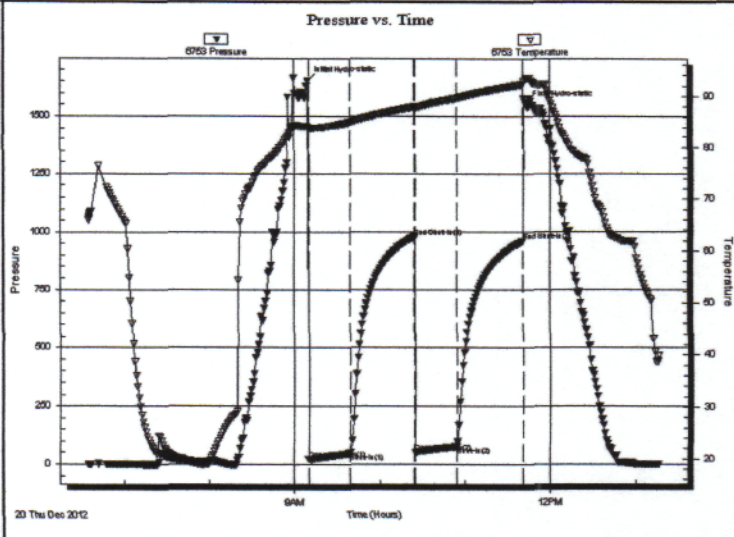
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:10:00
Time Test Ended: 13:16:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59
Interval: **3231.00 ft (KB) To 3240.00 ft (KB) (TVD)**
Reference Elevations: 1779.00 ft (KB)
Total Depth: 3420.00 ft (KB) (TVD) 1771.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6753 **Inside**
Press@RunDepth: 76.24 psig @ 3232.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
Start Time: 06:35:05 End Time: 13:16:29 Time On Btm: 2012.12.20 @ 09:09:30
Time Off Btm: 2012.12.20 @ 11:43:00

TEST COMMENT: IF-4" blow
ISI-No blow
FF-Very weak surface blow died in 10 min
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.47	83.98	Initial Hydro-static
1	21.62	83.48	Open To Flow (1)
30	45.68	84.95	Shut-In(1)
75	979.18	87.94	End Shut-In(1)
76	52.54	87.74	Open To Flow (2)
105	76.24	89.62	Shut-In(2)
151	959.03	92.25	End Shut-In(2)
154	1550.14	93.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM 10%O 90%M	0.42
125.00	GO 20%G 80%O	1.75
0.00	25ft GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 6249

Cell 785-324-1041

Date	12-15-12	Sec.	4	Twp.	15	Range	14	County	Russell	State	KS	On Location		Finish	6.5pm
Location													Russell S to River 1 W 15 to W 14th		

Lease	Schmitt		Well No.	6		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Contractor	Southwind 3					Charges To	9 Mai. Oub								
Type Job	Surface		T.D.	431		City	State								
Hole Size	12 1/4		Depth	431		The above was done to satisfaction and supervision of owner agent or contractor.									
Csg.	8 5/8		Shoe Joint	DOTA		Cement Amount Ordered	225.60 3900 2900-1								
Tbg. Size			Displace	2.6 FBL											

EQUIPMENT				Common
Pumptrk	5	No.	Cementer Helper	135
Bulktrk	8	No.	Driver	90
Bulktrk	pu	No.	Driver	5
			Driver	9

JOB SERVICES & REMARKS	
Remarks:	Hulle
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 238
	Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	8 5/8 HTM wood plug
	Pumptrk Charge Surface
	Mileage 11

X Signature	Jay Shinn	Tax	
		Discount	
		Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6125

Date	12-21-12	Sec.	4	Twp.	15	Range	14	County	Russell	State	KS	On Location		Finish	8:30PM			
Lease	Schmitt							Well No.	6	Location Russell, KS - S to Walters Rd, 1/2 W, N into								
Contractor	Southwind		#3		Owner							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Production																	
Hole Size	7 7/8"		T.D.		3306'		Charge To							Mai oil operations				
Csg.	5 1/2" 14# NEW		Depth		3302.75'		Street											
Tbg. Size			Depth				City									State		
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.	19.15'		Shoe Joint		19.15'		Cement Amount Ordered									150 sy 60/40 18% Salt 2% Gel 4# F.S. 100 sy		
Meas Line			Displace		80 BS		60/40 10% Salt 2% Gel 4# F.S. - 1000 gal Mud Clear 48											
EQUIPMENT																		
Pumptrk	16	No.	Cementer	Travis		Rick		Common								150		
			Helper					Poz. Mix								100		
Bulktrk	14	No.	Driver	Lonnie W				Gel.								5		
			Driver					Calcium										
Bulktrk	1	No.	Driver	Lonnie M.														
JOB SERVICES & REMARKS																		
Remarks:															Salt		49	
Rat Hole															Flowseal		50#	
Mouse Hole															Kol-Seal			
Centralizers	Shoe Jt, 1-9, 21, 22														Mud CLR 48		1000 gal	
Baskets	middle 10# Jt														CFL-117 or GD110 CAF 38			
D/V or Port Collar	pipe on bottom, break														Sand			
Circulation	pump 1000 gal mud														Handling		304	
Clear 48,	plug Rathole w/ 30 x 60/40														Mileage			
Hook to 5 1/2" casing	+ mix 120 sy 60/40														FLOAT EQUIPMENT			
18% salt, 2% gel	4# F.S., 100 sy 60/40														Guide Shoe			
10% salt 2% gel	4# F.S., shut down.														Centralizer		12 turbo's	
wash pump + lines	Released plug.														Baskets		1 weatherford	
Displaced with 80 BS of water.															AFU Inserts			
Released + Held.															Float Shoe			
															Latch Down			
Lift pressure	700 #														Pumptrk Charge		prod long string	
Land plug to	1400 #														Mileage		11	
Signature <i>Burt Hornum</i>																		
														Tax				
														Discount				
														Total Charge				