

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1258270
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: _____

1258270



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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Fulsom 1-34 Dst 1

TIME ON: 17:03 July 10
TIME OFF: 03:11 July 11

Company Grand Mesa Lease & Well No. Fulsom 1-34
Contractor Summit Drilling Charge to Grand Mesa
Elevation 1478 Sur Formation Mississippian Effective Pay _____ Ft. Ticket No. RR183
Date July-10-2015 Sec. 34 Twp. 22 S Range 5 E W County Marion State KANSAS
Test Approved By Steve Carl Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 2430 ft. to 2468 ft. Total Depth 2571 ft.
Packer Depth 2425 ft. Size 6 3/4 in. Packer depth 2468 ft. Size 6 3/4 in.
Packer Depth 2430 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2418 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 2469 ft. Recorder Number 5954 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 313 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 1400 P.P.M. Drill Pipe Length 2085 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NA Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out 12 Anchor Length 103A(38P) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 (3 1/2 XH) in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: No Blow **NOBB**
2nd Open: No Blow **NOBB**

Recovered <u>32</u> ft. of <u>M</u> <u>100% M</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample: 100% M</u>	Insurance
Below Straddle Recorder Plugged OFF	Total

Time Set Packer(s) 8:23 PM A.M. P.M. Time Started Off Bottom 9:23 PM A.M. P.M. Maximum Temperature 96

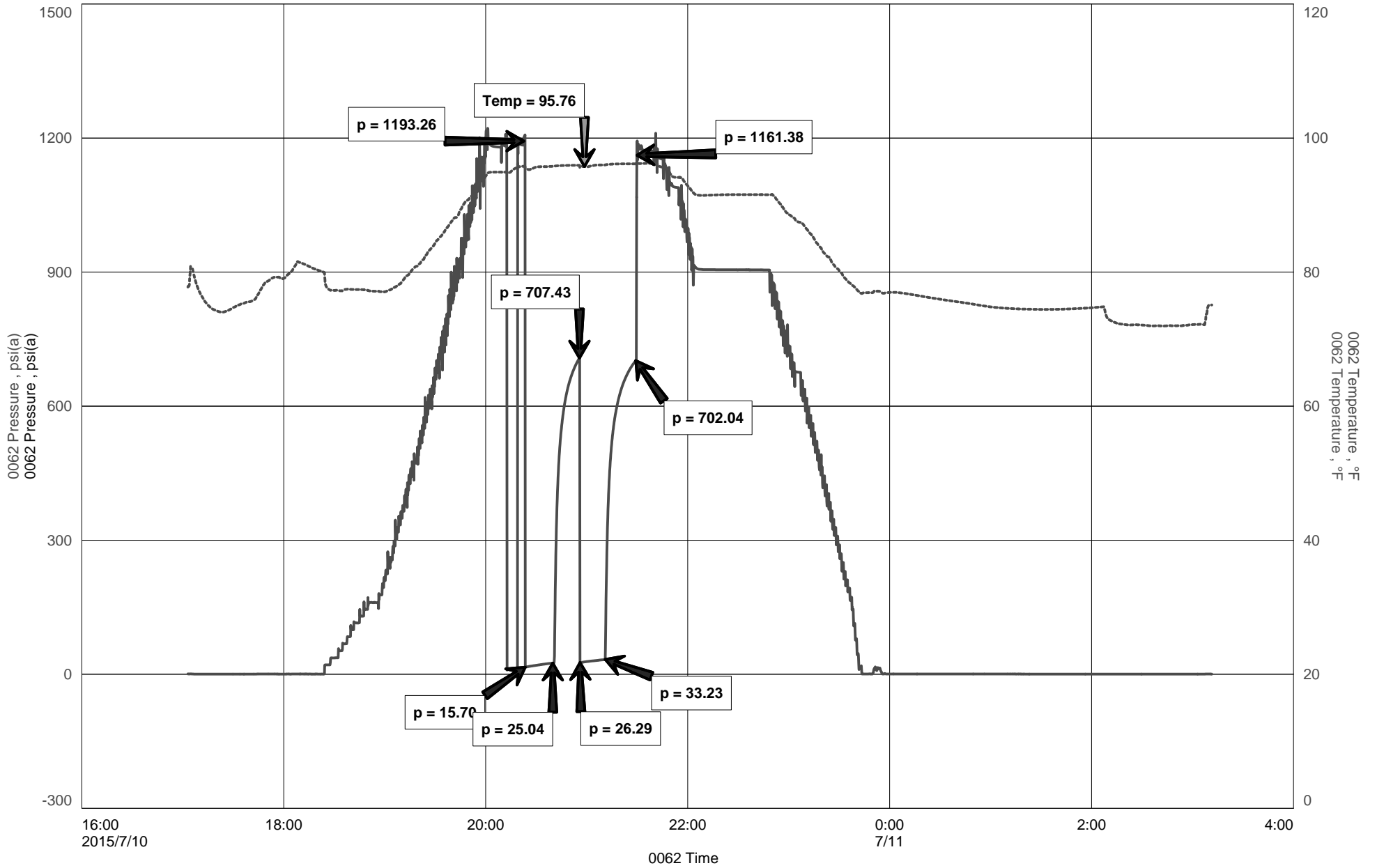
Initial Hydrostatic Pressure..... (A) 1193 P.S.I.
Initial Flow Period..... Minutes 15 (B) 16 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period..... Minutes 15 (D) 707 P.S.I.
Final Flow Period..... Minutes 15 (E) 26 P.S.I. to (F) 33 P.S.I.
Final Closed In Period..... Minutes 15 (G) 702 P.S.I.
Final Hydrostatic Pressure..... (H) 1161 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

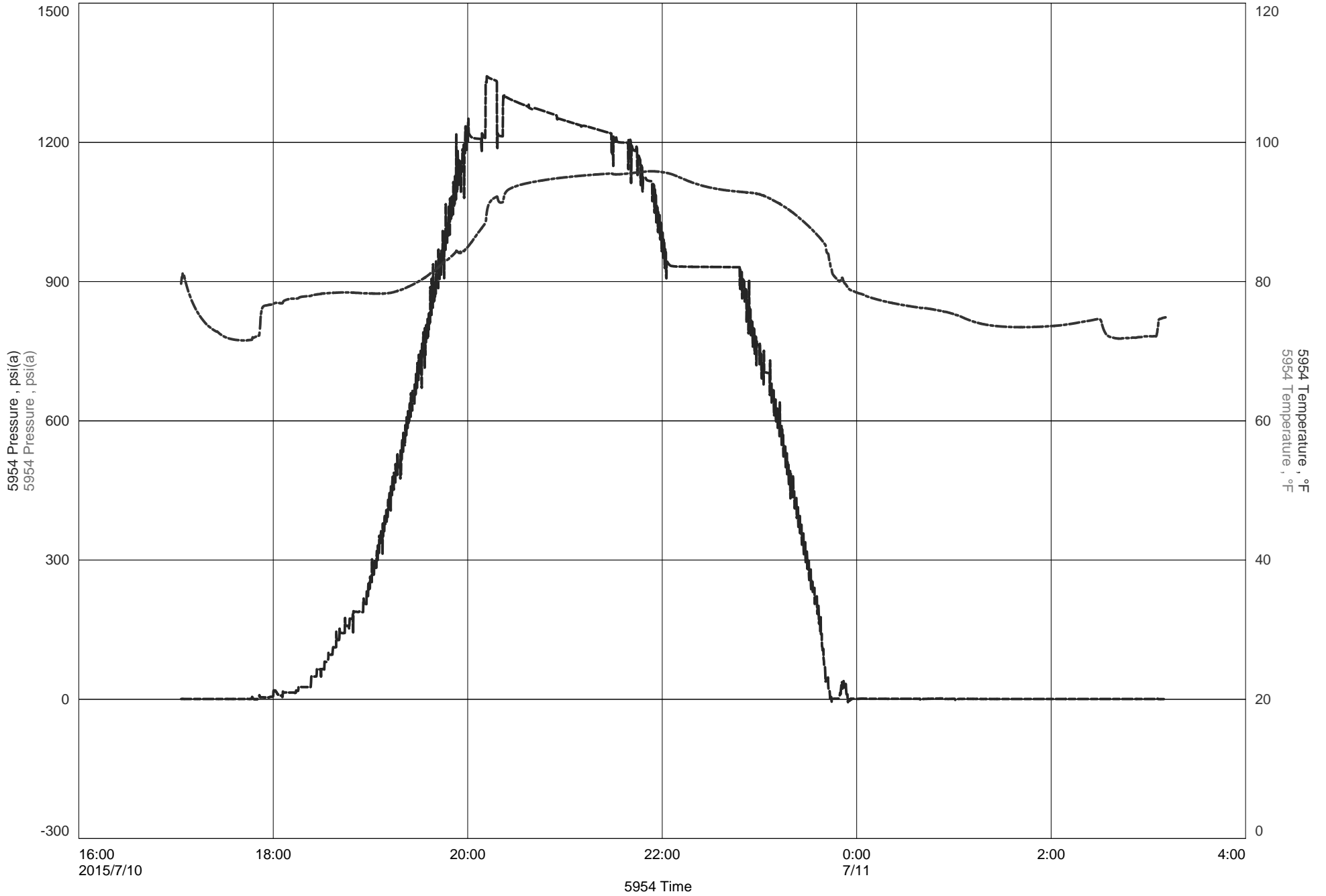
Grand Mesa
Dst 1 Mississippian (2430-2468-2571)
Start Test Date: 2015/07/10
Final Test Date: 2015/07/11

Fulsom 1-34
Formation: Dst 1 Mississippian (2430-2468-2571)
Pool: Wildcat
Job Number: RR183

Fulsom 1-34



Fulsom 1-34





Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
(620) 617-7261

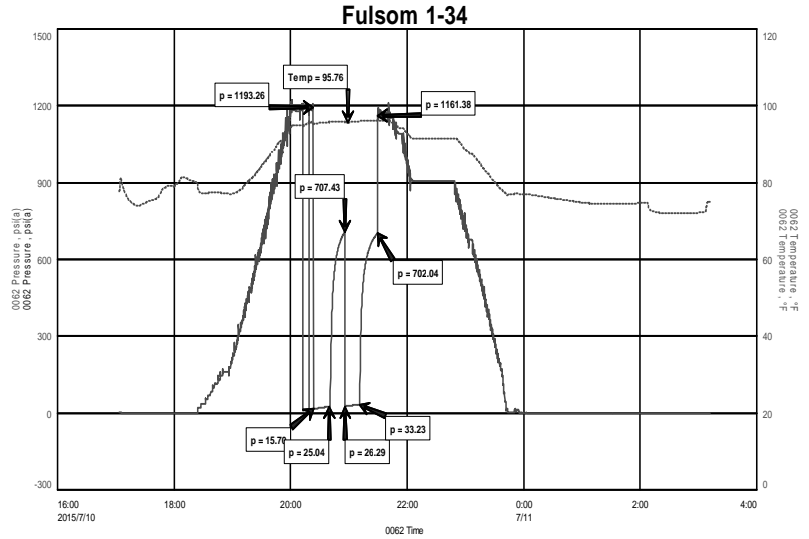
Wellsite Report

General Information

Company Name	Grand Mesa
Contact	Michael J Reilly
Well Operator	Grand Mesa
Well Name	Fulsom 1-34
Surface Location	Sec: 34-22s-5E (Marion County)
Field	Wildcat
Well Type	Vertical
Pool	Wildcat
Test Purpose (AEUB)	Initial Test
Qualified By	Steve Carl
Gauge Name	0062

Test Information

Job Number	RR183
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Mississippian (2430-2468-2571)
Start Test Date	2015/07/10 YYYY/MM/DD
Start Test Time	17:03:00 HH:mm:ss
Final Test Date	2015/07/11 YYYY/MM/DD
Final Test Time	03:11:00 HH:mm:ss



Test Results

Recovery:

32' M 100% M

Tool Sample: 100% M

Below Straddle Recorder Plugged OFF

GRAND MESA

OPERATING COMPANY

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Grand Mesa Operating Co. #1-34 Fulsom
 Location: 664' FNL, 1980' FWL, Sec: 34-22S-5E Marion County Kansas
 License Number: 15-115-21495 Region: Wildcat
 Spud Date: 7/7/2015 Drilling Completed: 7/11/2015
 Surface Coordinates: Lat: 38.098308
 Long: -96.870194
 Bottom Hole Coordinates: Vertical hole
 Ground Elevation (ft): 1487 K.B. Elevation (ft): 1499
 Logged Interval (ft): Surf To: 2570 Total Depth (ft): 2570
 Formation: Kinderhookian at RTD
 Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Grand Mesa Operating Company
 Address: 1700 N. Waterfront Parkway, Bldg. 600
 Wichita, KS 67206-5514
 316-265-3000

GEOLOGIST

Name: Steven P. Carl
 Company: Grand Mesa Operating Company
 Address: 1700 N. Waterfront Pkwy, Bldg #600
 Wichita, Kansas 67206

COMMENTS

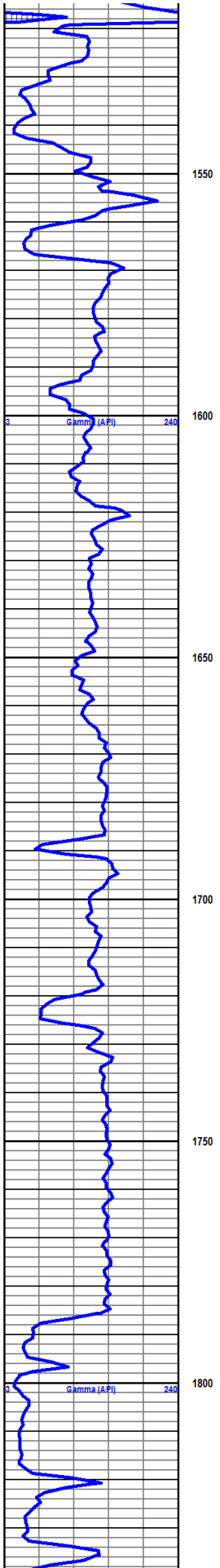
Contractor: Summit Drilling Rig #1
 Surface Casing: 8 5/8, 24# set at 227ft
 Production Casing: None
 Mud by: Fud Mud
 DST's by: Diamond Testing
 Logs by: Weatherford (DIL, CN-CD, ML, Sonic)
 Deviation Surveys: Several, greatest dev = 0.5deg

There were no shows of oil in this test. DST#1 was performed to test the reservoir properties of the Miss. The #1-34 Fulsom was plugged and abandoned.

FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	LOG TOPS	
	Depth	Datum
Lansing	1787	-288
B/Lansing	1929	-430
Kansas City	2042	-543
Stark Shale	2131	-632
B/KC	2181	-682
Little Osage Shale	2377	-878
Mississippian	2427	-928
Gilmore City	None	
Kinderhook SH	2473	-974
VIOLA not pene		
RTD	2570	-1071
LTD	2571	-1072

Curve Track 1 Gamma (API)		Depth	Lithology	SSO, GRS, GSG	Geological Descriptions	Remarks
Gamma (API)	240					
5	240	1500				



This well was drilled with a PDC Bit and averaged 10-15 minute Kelly's from surface to near TD. The rate of penetration was very rapid and was not reflective of changes in lithology from one stratigraphic unit to the next. I have imported and displayed the Gamma Ray curve in lieu of a ROP curve.

Samples Begin at 1600

SH-lt gry, silty, abund coalified plant frags, few pc LS-crm/tan, crs xln, no cup odr, ns

SH-as above, influx ss-gry, vln grn, w/l srt'd, brittle to semi-friable, no cup odr, ns.

Same

Same

Same, decrease in LS

Same

Mostly SS-lt gry, fn-m ed grn, w/l srt'd, sub round, fr int grn por, no cup odr, no fluor, ns.

SS as above, finer grained, still carrying abund plant frags.

Same

SS as above, influx med gry SH-waxy, soft, no cup odr, ns

SH-med gry, uniform, blocky, waxy, no cup odr, ns.

SH- as above, some LS.

SH-as above, influx LS-crm/tan, crs xln, foss-various, no cup odr, ns.

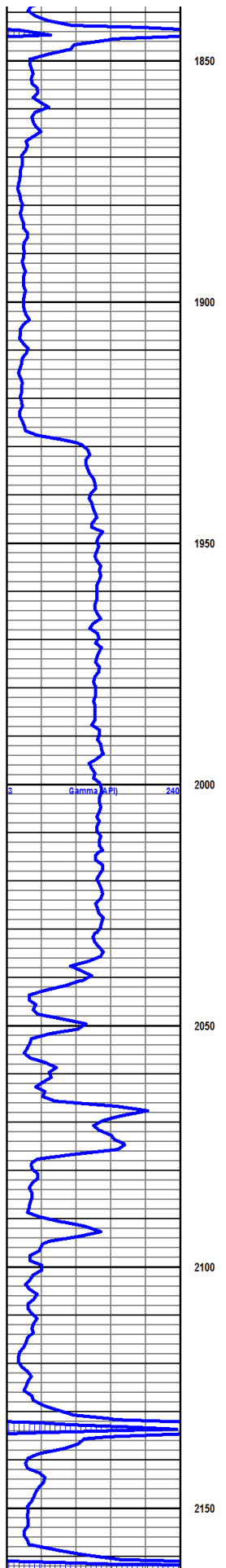
SH- as above, decrease LS.

Same.

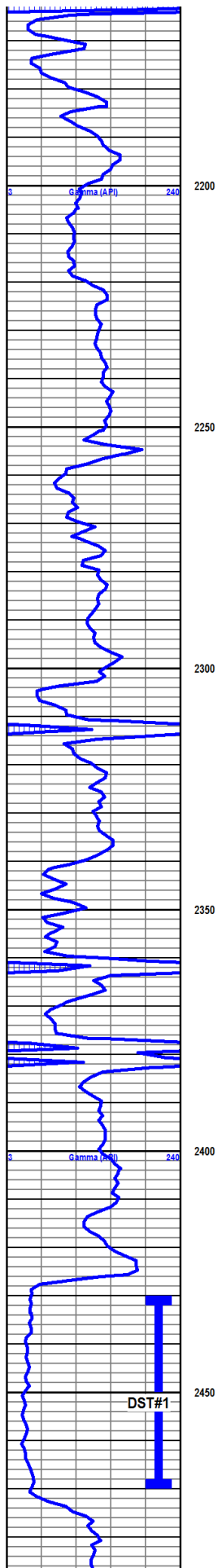
Predom LS-lt gry, med-crs xln, chalky, mottled, ool in part, drk gry mineral inclusions throughout, pr-fr int xln por, no cup odr, ns.

LS-lt gry-wht, fn xln, mottled, chalky/soft, foss in part, uniform in part, few pc milky chert, nvp, no cup odr, ns.

LS-lt gry, crm, crs xln, mottled, sm foss, some chalky, no cup odr, ns.



LS-lt tan, med xln, mottled in part, mostly uniform, some foss, nvp, no cup odr, ns
 1850
 LS- as above
 LS-lt tan/crm, fn-med xln, chalky, foss in part, nvp, no cup odr, ns.
 1900
 same, influx dark gry sh.
 SH-med gry, silty, soft, muddy, sample water dirty gry
 1950
 Same
 Same, no change, no cup odr.
 2000
 Samp, no change.
 2050
 LS-gry/crm/lt tan, fn xln, dense, hard, mostly uniform, nvp, no cup odr, ns.
 MUDSTN-gry/lt tan, v soft, no cup odr, ns.
 MUDSTN-much as above, some wht-chalky, no cup odr, ns.
 2100
 LS-gry/tan, crs xln, foss, sparry, few pcs SH-blk carb.
 LS-gry/tan, crs xln, foss, sparry, few pcs SH-blk carb.
 Mostly LS-gry/tan, fn xln, uniform, slty chalky, influx SH-black, carb, grainy, fissile
 2150
 LS-mostly lt tan, fn xln, mostly uniform, some foss, nvp, abund SH-black carb, no cup odr, ns



Same

SH/MUDS TN-med-lt gry, silty, soft, sticky, sandy in part-fn grn, friable clusters, abundant coalified plant frags.

SS-gry, m uddy, vfn grn, well sorted, dirty, friable clusters, abund black organic frags, no eff in 10% HCL, no cup odr, ns

SS-as above, greater percentage of mudstone'sh, dirty, gry, no cup odr, ns

SH-med-lt gry, soft, sticky, some sandy, decr ss clusters as above, abund black plant foss, no cup odr, ns

SH and SS clusters as above, few LS-med tan, fn xln, foss, dense, hard, nvp, no cup odr, ns.

Same, decr organic frags.

SH-med-drk gry, mostly uniform, waxy, some silty, sm LS-tan, lt gry, fn xln, foss, nvp, no cup odr, ns

same, few pcs SH-blk carb, blocky, grainy.

same, very muddy

SH-m mostly med gry, some brn/m aroon, few ss clusters as above, less muddy/sticky than above, no cup odr, ns

SH-med gry, mostly uniform, blocky, some fiss, no cup odr, ns.

SH as above, LS-med tan, fn-crs xln, some uniform, some e foss, nvp, no cup odr, ns.

SH-blk carb, flood in 2370 smpl.

LS-med tan, fn-crs xln, sparry, rare foss, brittle nvp, no cup odr, ns.

LS- as above, still carrying abund SH-blk, carb, no cup odr, ns.

SH-predom med gry, uniform, some e brn, all silty, some black, decr LS from above, no cup odr, ns

SILTS TN-brn/gy/red, uniform, no cup odr, ns.

SILTS TN- as above, few pcs CONG-varicolored, no cup odr, ns.

SH/MUDS TN-med-drkgry, silty in part, some soft sticky, some firm, waxy, no cup odr, ns,

SS-drk gry, dirty, vfn grn, firm clust-semi-friable, weak to no eff in HCL, abund SH as above, no cup odr, no fluor, ns.

predom SS as above, dirty, fn grn semi-friable clusters, no cup odr, ns.

influx of CHERT-wht, milky, mostly sharp, 20% trip, fnt milky fluor in acetone, pr por, no cup odr, nsfo.

Flood CHERT-wht, milky, predom sharp, some trip, poor por, no cup odr, no fluor, nsfo.

CHERT mostly the same, rare vug por, rare very tiny spots of gilsonite, no cut. influx SH-drk gry/blk, fissile, no cup odr, no fluor, nsfo.

CHERT as above, no cup odr, rare poor por, no fluor, ns.

CHERT-wht/milky, predom sharp, few pcs trip with fr vug por, no cup odr, no fluor, ns.

CHERT as above, no cup odr, rare poor por, v rare blk gilsonite str, will not cut in acetone, no fluor, ns.

CHERT as above, mostly sharp, rare trip, no cup odr, no fluor, ns.

flood, SH-brn/lt gry/grn/maroon, no cup odr, ns

CIRC 2340ft
30mins

CIRC 2397
30mins

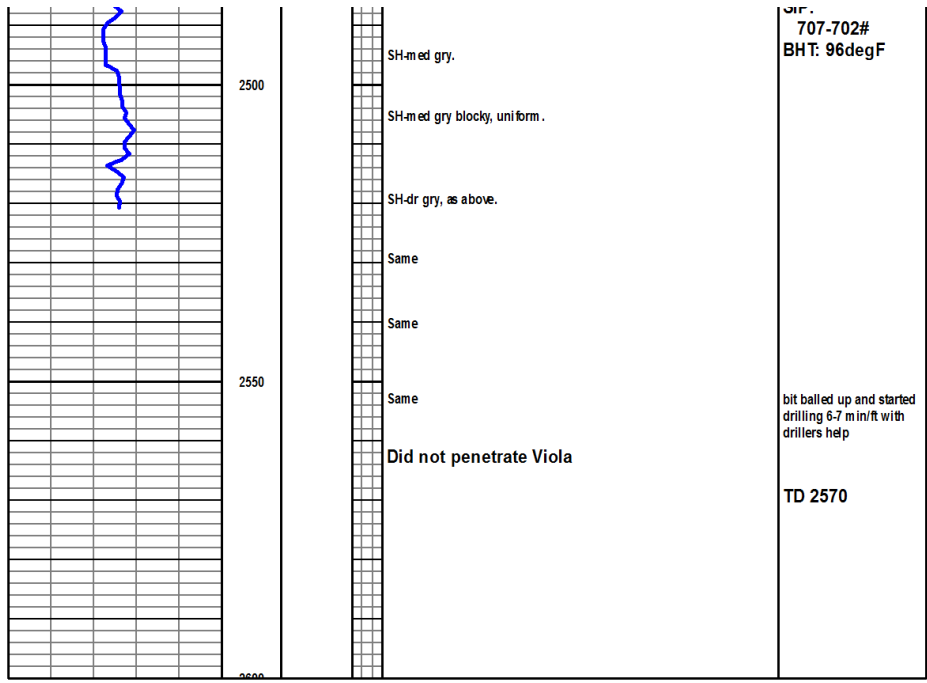
CIRC 2420
30mins

CIRC 2440
30mins

CIRC 2450
30mins

CIRC 2456
30mins

DST#1
2430-2468
15-15-15-15
REC: 32' Mud
SID.





CONSOLIDATED
Oil & Gas Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

Jm 3442
FT 3365

TICKET NUMBER 46106
LOCATION El Dorado
FOREMAN Fuzz

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
7-7-15	3372	Fulson 1-34	34	22	5	Marion	
CUSTOMER		Borns Cementary		TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address		1/4 E 1/4 N E-1/2		760	Chris		
Grand Mesa Operating Co.		Bldg 600		681	Jeremy		
1700 N Water Street		STATE	ZIP CODE				
Wichita		Ks	67206				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 228' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.7 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12.8 DISPLACEMENT PSI 31 MIX PSI _____ RATE _____

REMARKS: safety meeting on summit daly Big up and circulate
mix 1305Ks Class A' 370cc 29oz gel w/ 15% poly-flate. Displace 12 1/2
BAL and shut in.
Cement did circulate approx 4 BAL to pit.

frt placement was brought because of sand excess sand & gravel
while drilling.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE		
CE0002	20	MILEAGE		
CE0711		Tax mileage Delivery (m.w)		
4489 CC5800R	1305Ks	Class A'		
CC5325	366#	Calcium Chloride		
CC5965	1244#	Gel		
CC6075	35#	Poly-flate		
			SALES TAX	
			ESTIMATEE	
			TOTAL	

Revin 3737

AUTHORIZATION [Signature] TITLE Pumper 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

JM 3896
FT 3814
Invoice # 805374

TICKET NUMBER 46149
LOCATION Ch Dorado
FOREMAN Fuzz

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
8-13-15	3372	Fulson #1	34	32	S	Marion
CUSTOMER Grand Mesa Oper			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 1700 W. Waterfront			760	Chris		
CITY Wichita			611	Terry		
STATE KS			692	Jud		
ZIP CODE 67206			670			

JOB TYPE TOPOFF HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH PTA DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on location. Rig up and run 60' of 1" pipe down 8 5/8 casing mix 255Ks 60/40 pos 490gal and circulate to surface.

Thanks Fuzz & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1.00	
CE0002	3.0	MILEAGE		
CE0711	1.1200	Tow mileage Delivery (min)		
		subtotal		
		subtotal		
EE2011	60'	1" PIPE		
WE0853	1 hr	ROBIL Vac Truck		
WL6159	3000gal	city water		
CC5829	5690	255Ks 60/40 490gal		
		subtotal		

SALES TAX _____
ESTIMATED _____
TOTAL _____

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

Ravin 3737