



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



1102859

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY RANGE OIL COMPANY, INC.
 LEASE MOEDER #1
 FIELD ROSE HILL
 LOCATION 620' FSL & 1650' FWL
 SECTION 4 TOWNSHIP 29S RANGE 3E
 COUNTY BUTLER STATE KANSAS

ELEVATIONS
 KB 1334' GL 1324'
 Measurements Are All
 From KB
 API 15-015-23947-00-00

CONTRACTOR SUMMIT DRILLING
 SPUD 07/08/2012 COMP 07/16/2012
 RTD 3190' (-1856) LTD 3188' (-1854)
 ELECTRICAL SURVEYS
 LOG-TECH: DIL, CNL/CDL

CASING
 SURFACE 8&5/8" @ 220' KB w/
125 sx + 3% CaCl
 PRODUCTION n/a -- D&A

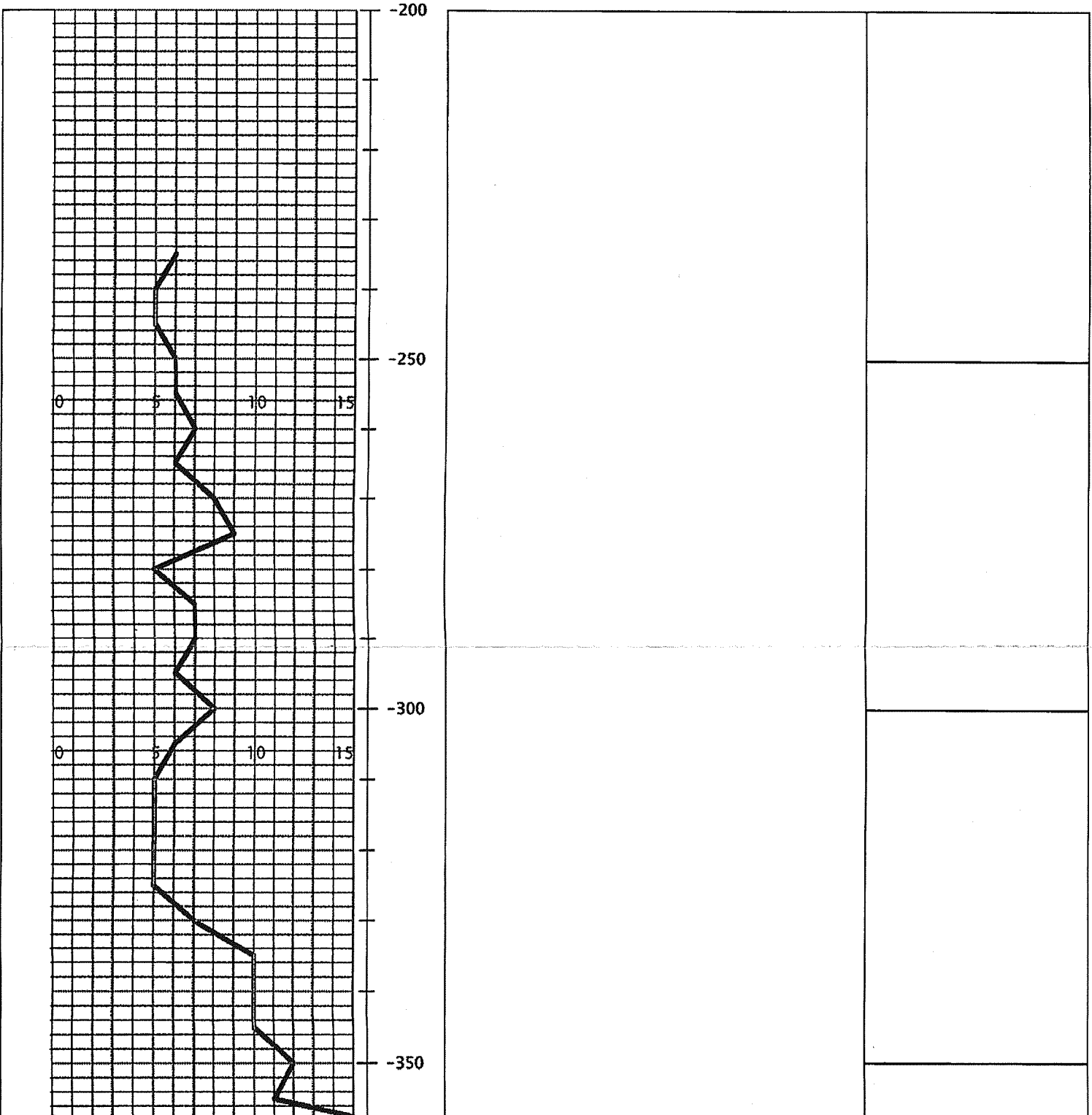
FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
OREAD	1760' (-426)	1760' (-426)	07/07/2012- MIRT.
HEEBNER SH	1801' (-467)	1803' (-469)	07/08/2012- 10:00 AM, PTD 232'. WOC. SHS = 1/4 degree @ 232'.
LANSING	2042' (-708)	2044' (-710)	07/09/2012- 7:40 AM, DRLG @ 518'.
BASE LANSING	2183' (-849)	2184' (-850)	07/10/2012- 7:40 AM, DRLG @ 1303'. SHS = 3/4 degree @ 672'. SHS = 1/2 degree @ 1177'.
KANSAS CITY	2395' (-1061)	2397' (-1063)	07/11/2012- 8:00 AM, DRLG @ 1908'. SHS = 1 degree @ 1618'.
BASE KANSAS CITY	2617' (-1283)	2618' (-1284)	07/12/2012- 8:20 AM, DRLG @ 2351'. SHS = 1 1/4 degrees @ 2119'.
MARMATON	2641' (-1307)	2642' (-1308)	07/13/2012- 8:00 AM, DRLG @ 2720'. SHS = 1 3/4 degrees @ 2620'.
MISSISSIPPIAN CHERT	2880' (-1546)	2879' (-1545)	07/14/2012- 8:00 AM, DRLG @ 2975'. SHS = 1 3/4 degrees @ 3059'.
MISSISSIPPIAN LS	2892' (-1558)	2891' (-1557)	07/15/2012- 7:30 AM, CIRC @ 3145'. Wiper trip @ 3059'.
KINDERHOOK	3065' (-1731)	3066' (-1732)	07/16/2012- 8:00 AM, RTD 3190'. Preparing for E-logs.
UPPER SIMPSON SS	3146' (-1812)	3145' (-1811)	07/17/2012- 7:00 AM, RTD 3190'. Ran Log Tech electric Logs.
MIDDLE SIMPSON SS	3155' (-1821)	3155' (-1821)	
LOWER SIMPSON SS	3169' (-1835)	--	
ARBUCKLE	3176' (-1842)	3176' (-1842)	
RTD/LTD	3188' (-1854)	3190' (-1856)	

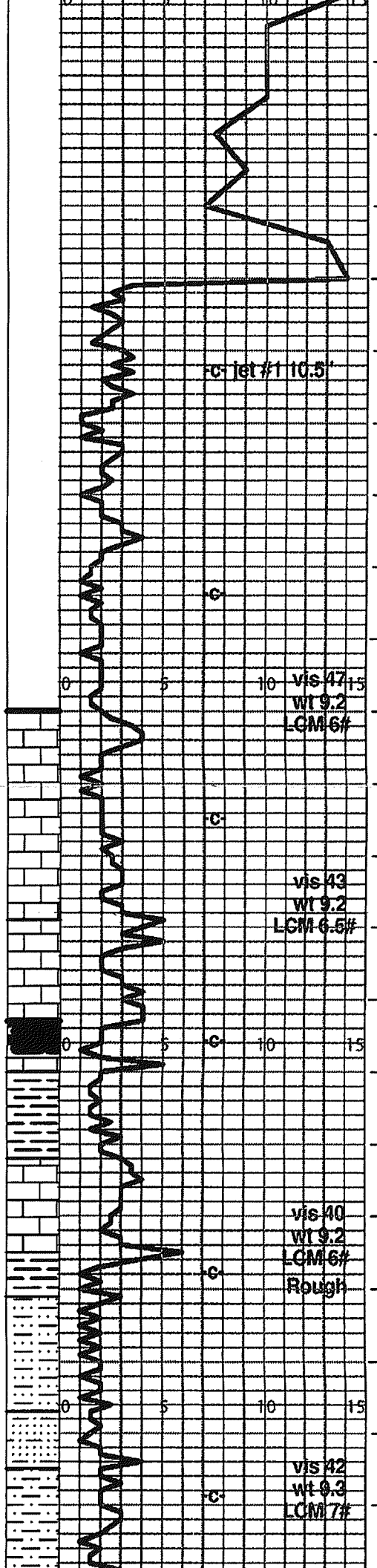
REMARKS:

The decision was made by the operator following sample evaluation,
 E-log evaluation and drill stem testing to plug and abandon the
 ROC Moeder #1 test well.

Respectfully submitted,
Roger L. Martin, Geologist (Wellsite)

LITH	DRILLING TIME ROP MIN/FT	DST DEPTH	SAMPLE DESCRIPTION	REMARKS
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-1700

c- jet #1 10.5'

-1750

vis 47.15
wt 9.2
LCM 6#

{OREAD} LS: cm-tn, xm- mdxln, VRr prt crsx's- 2RX- Vcrs, sm fos & col- gmlr, Pr- Fr Por. NS. sm chiky.

1760' (-426)
OREAD

-1800

vis 43
wt 9.2
LCM 6.5#

Abndt dn- Pr Por, NS.

1803' (-469)
HEEBNER SH

{HEEBNER} SH: blk carb.

LS: gy-tn, dn- frx, sm argil.

SH: gy-blk & gn.

LS: tn-cm, dn- frx, sm chiky, sl fos, Pr- NVP, NS.

-1850

vis 40
wt 9.2
LCM 6#
Rough

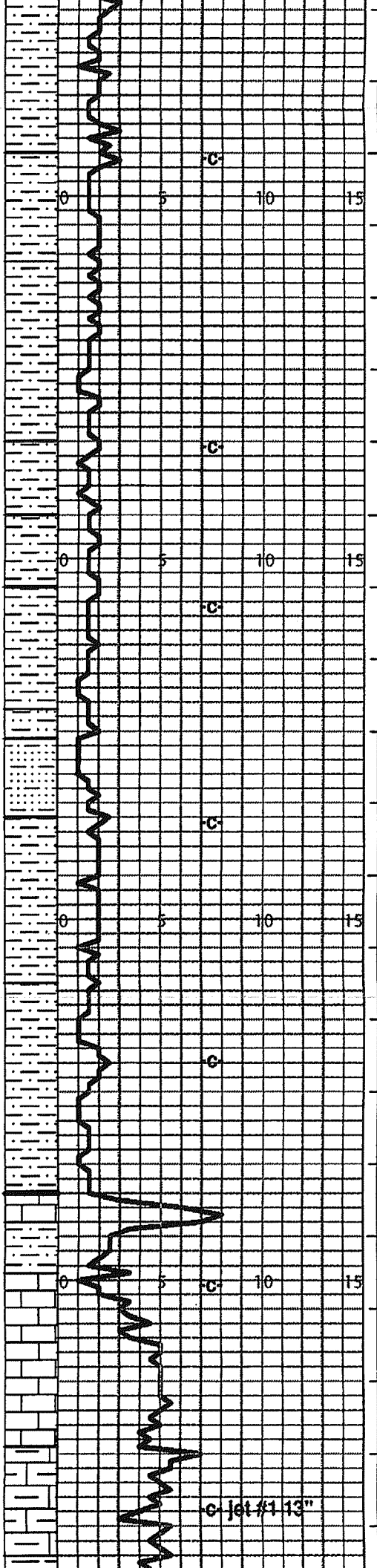
SH: gn-gy & blk.

SILTS: gy, micac, sndy.

SS- SD CLUST: gy-wh, vfn- fn Gr'd, Rnd'd- anglr, well cmt'd- sbfrtbl, Pred VPr- Pr Por, NS. sm silty & shly.

SILTS: AA & SH: pred gy, VRr Sd Clust: AA.

vis 42
wt 9.3
LCM 7#



-1900

SILTS- SH: dk- lt gy, micac.

SILTS: dk- lt gy, micac, sm sndy- Vfn Gr'd.
& SH: gy- blk, sm micac.

SH- SILTS: dk- lt gy, micac.

-1950

SILTS- SH: AA.

AA, Incrs Silts, sm sndy, sm SI calc.

SILTS: AA

& Rr SS: lt bf-gy, Vfn-fn Gr'd, silty, Vwell cmt'd, VPr- Pr Por, NS.

SILTS: dk- lt gy, micac, sm sndy.
& SH: gy- blk.
VRr Sd Clust w/Pr- VPr Por. NS.

-2000

SH- SILTS: dk- lt gy, micac, sm sndy, Rr SD CLUST: AA, NS.

-2050

{LANSING} LS: tn-cm, dn Mdst, cryptox- fnx, VPr- NVP, NS.

SH- SILTS: sm micac & sndy.

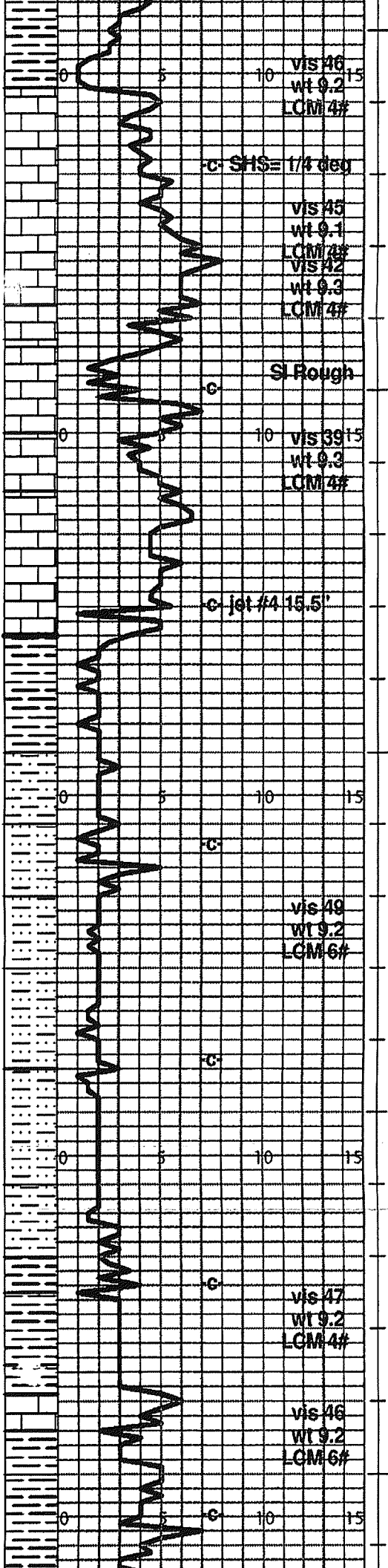
LS: cm-tn, mx- fnxln, VRr crs- Vcrs's- 2RX, VRr Pr- Fr vug Por, fos mlcd Por, NS. sm Pkst & sm wh-chiky, Pred Pr- VPr Por, NS.

c jet #1 13"

SH: av-blk & an-av.

**MUD CHECK
BY FUD MUD:
WT 9.1, VIS 42, PV 26,
YP 18, pH 9.0, WL 9.8,
CI 1100, LCM 6#**

**2044' (-710)
LANSING**



-2100

-2150

-2200

-2250

-2300

LS: cm-tn-gy, mx- fnxln, sm fos Pkst w/Pr- Fr Por: pp Por, l.fos Por, IX Por, NS. sm grnlr Pkst w/Pr l.Gr Por, NS. (Abndt SH- SILTS: AA)

LS: gy-tn-wh, mx- fnxln, VRr md- crsx, Pred Pr Por, sm chlky.

LS: cm-tn-gy, mx- fnxln, sm mdxln, prt crsxln w/Fr- Gd IX Por, sm Fr- Gd vug Por w/2RX, NFO, NC,

LS: AA, sm Fr- Gd Por, sm chlky, NS.

LS: tn-gy-wh, mx- mdx- 2RX, Fr crs- vcrsx's, Pred VPr- Pr Por, sm wh-chlky LS AA, Incrs dn, sm pyrct.

{BASE LANSING} SH: pred dk gy, micac.

SH- SILTS: md- dk gy, micac.

SILTS: lt- dk gy, micac, sm sndy, sm calc.

SILTS: Incrs lt- md gy, sm micac.

SILTS: Anbdnt lt gy, micac & sndy, Vfn Gr'd, sm sl calc.

SILTS: AA.

Incrs SH: dk gy (Abndt SILTS: AA).

SH: Abndt dk gy.

SH: pred dk gy, AA.

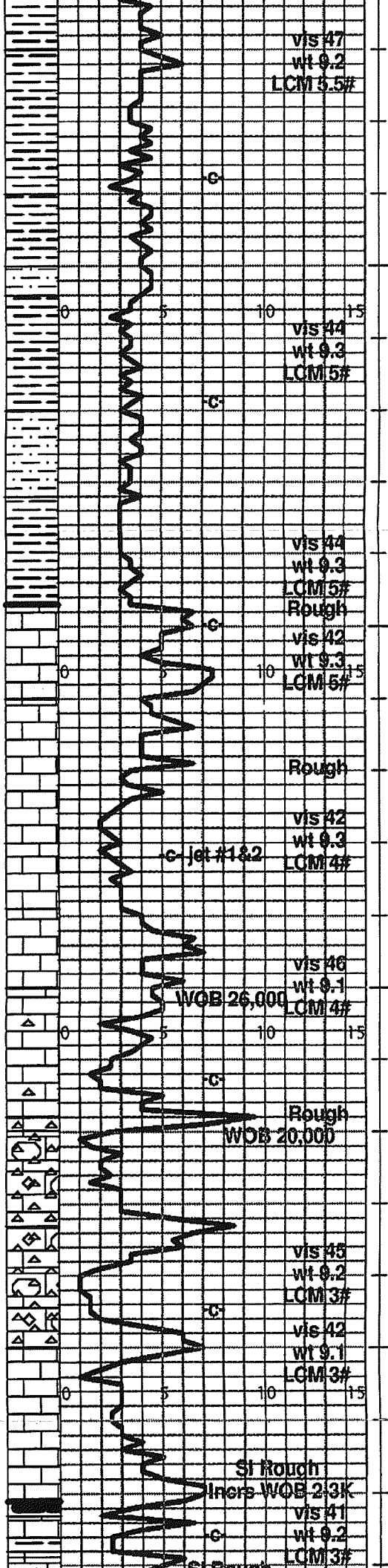
SH: gy- blk.

LS: tn-cm, dn- mx, Fr mdxln, Pr- NVP.

SH: gy- blk, pred carb.

SH: gy-blk, sm calc & lmy, sm blk carb & subcarb.

**2184' (-850)
BASE LANSING**



vis 47
wt 9.2
LCM 5.5#

SH: gy & gn-gy, sm micac.

SH: dk- md gy, sm micac, sm calc.

-2350
SILTS- SH: gy & gn-gy, sm calc & micac.
SH: md- dk gy, micac.

vis 44
wt 9.3
LCM 5#

SH: dk- lt gy, micac AA & SILTS: sm calc.

SH: gy-blk, sm calc & lmy.

vis 44
wt 9.3
LCM 5#
Rough

-2400
{KANSAS CITY} LS: cm-tn-gy, mx- fnxln, pred dn, sm sl fos, Pr- PR Por, IX Por, pp Por. Trc STN- FLR, Trc SFO.

vis 42
wt 9.3
LCM 5#

LS: cm-tn-gy, mx- fnxln, Rr prt mdx w/crs- Vcrsx's- 2RX, sm chiky, Pr- Fr Por: IX Por, pp- vug Por. <5% w/spt'd- subsat FLR, Vlt STN, SI SFO & Cut, VSI Odor. sm chiky- wh, sm ool & fos Pkst.

Rough

vis 42
wt 9.3
LCM 4#

c- Jet #1&2

LS: AA, Incrs md- Vcrs- 2RX, ~5% w/FLR- STN- SFO & Cut, SI Odor, VSI Cherty.

LS: cm-tn-gy, mx- fnx, VRr md- crsx. CHERTY: cm-bf-gy, shrp, opq, <5% pp Por & IX Pr w/FLR, VSI SFO & Vlt STN. Prt wh-chiky.

vis 46
wt 9.1
LCM 4#

-2450
WOB 26,000

LS: tn-wh, mx- fnxln, sm gmlr- fos & Cherty, Pr- Fr Por: pp Por, l.Gr Por, vug Por, l.fos Por. <5% w/FLR- SFO, Vlt STN.

Rough
WOB 20,000

LS: cm-bf-tn, mx- fnxln, sm fos & gmlr, Pr- Fr Por: l.Gr Por, pp Por, IX Por, VRr Gd Por. <5% FLR, VSI SFO, Trc STN. CHERTY: cm-gy-bf, opq, shrp.

vis 45
wt 9.2
LCM 3#

LS: cm-tn-gy, sm mot, mx- fnxln, Rr mdxln- crsx, ool & prt oomldc w/Fr- Gd Por: l.ool Por, IX Por, mlde Por. <5% w/FLR- STN, VSI SFO.

vis 42
wt 9.1
LCM 3#

-2500

LS: cm-tn-gy, sm mot, mx- mdxln, VRr crs- Vcrsx- 2RX, Fr- VRr Gd Por: pp- vgu Por, mlde Por, IX Por. <5% w/FLR- VSI SFO, VRr Vlt STN, sm argil, sm dn.

SI Rough
Incrs WOB 2.3K

vis 41
wt 9.2
LCM 3#

{STARK} SH: blk subcarb- Vcarb.
LS: AA & gy-tn, dn argil. & SH: gn-gy, sm micac, sm calc & lmy.
LS: cm-tn-gy, sm mot, mx- fnxln, sm fn oomldc & prt fn ool

2397' (-1063)
KANSAS CITY
(Trc SFO)

{SI SFO}
**MUD CHECK
BY FUD MUD:**
WT 9.3+, VIS 42, PV 28,
YP 20, pH 9.5, WL 8.8
CI 1500, LCM 4#

{SI SFO}

{VSI SFO}

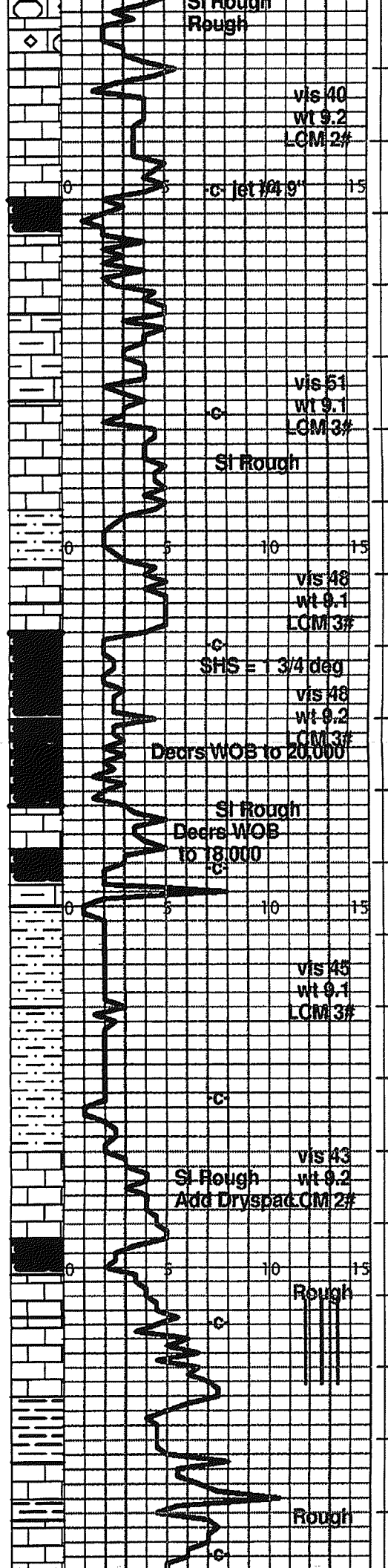
{VSI SFO}

{VSI SFO}

{VSI SFO}

{VSI SFO}

{SI- Fr SFO}



w/-5% Fr- Gd Por: mldc & pp- vug Por, IX Por. >5%<10% w/mot- sat Tn STN, Sl- Fr SFO & GB, Sl- Gd Cut, Frly strng Odor, VRr barren Por.

LS: tn-gy-wh, pred dn- mx & chiky, VRr Vfrxn, Fr Pr- Fr Por, AA. VRr Gd Por, prt barren, VRr Sl SFO- STN

{SI SFO}

LS: tn-gy-wh, pred dn mx & chiky. {HUSHPUCKNEY} SH: blk subcarb- Vcarb.

{Trc SFO}

LS: tn-gy-wh, mx- fnxln, VRr prt mdx- vcrsx- 2RX, sm Sl fos Pkst. Pr- Fr Por: IX Por, l.fos Por, pp Por, Trc SFO- FLR & Vlt STN, Trc Cut.

LS: dk- lt gy-tn-wh, pred dn- mx, sm sl argil- sm prt chiky, Pred VPr- NVP. Trc Por- STN AA. sm SH: AA, gy-blk & blk carb. VRr LS: AA w/Pr- Gd Por, STN- SFO- FLR & Cut.

LS: dk- lt gy- wh, pred dn hd Mdst & mx w/VPr- NVP.

SH: (Incrs) gy-blk & gn-gy & blk subcarb- carb. & SILTS: lt gy, micac.

{Trc SFO}

LS: tn-gy-cm, pred dn mx- fnxln, VRr mdxn, sm 2RX, sm fos, VRr Pr- Fr Por w/Trc SFO- STN- Cut. Pred Pr- NVP. LS: tn-gy-bn, dn- fnx, VPr- NVP.

**2618' (-1284)
BASE KANSAS CITY**

{BASE KANSAS CITY} SH: blk carb & gy- blk subcarb. (& LS AA)

SH: AA.

**2642' (-1308)
MARMATON**

{MARMATON} LS: tn-cm, pred dn- mx- fnx- 2RX, VSl fos, VPr- NVP.

SH: blk carb & subcarb & gy-gn.

LS: gy argil Mdst.

SH: lt- dk gn-gy, sm blk carb, sm SH- SILTS: lt-dk gy & gn-gy, micac, sm sndy: Vfn Gr'd.

SH:AA & SILTS: AA. & SH: md gy & gn-gy.

LS: cm-tn, mx- Rr fnxln, Rr ool- mot, VRr oomldc w/Fr- Gd Por, NS. Pred dn- mx & chiky w/VPr- NVP. NS.

SH: gy- blk subcarb to blk carb & gn-gy.

LS: AA & tn-gy dn Mdst.

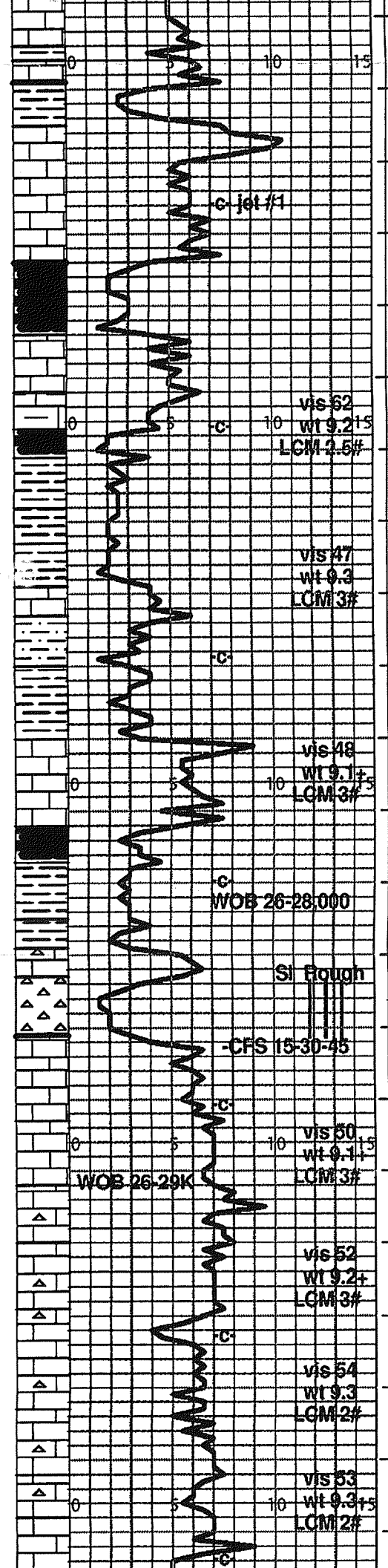
LS: tn-gy-cm, sm mot- fos Pkst, mx- fnxln, VPr- Pr Por, sm wh-chiky & gy dn Mdst.

SH: gy-blk & lt- dk gn-gy, sm pyrtc.

LS: tn-cm-gy, dn- mx- fnx, pre dn to VPr Por, NS.

SH: gn-gy & blk carb.

LS: cm-tn & lt- dk gy- bn, sm mot ool & fos Pkst, sm argil, Abndt dn- NVP.



-2750
-2800
-2850
-2900
-2950

SH: gy-blk, gn-gy, sm calc & lmy. & LS: AA, pred dn Mdst.

SH: Rr blk carb, Abndt dk-lt gy & gn.

LS: cm-tn-bn, sm mot, mx- fnxln- VRr mdx- 2RX, Rr Pkst & Trc Grst w/Por & NS. Abndt dn- sm chlky, sm argil dn Mdst w/Pr- NVP, NS.

SH: blk carb & gn-gy, sm calc & lmy.

LS: cm-tn-gy, dn- mx- fnx, pred dn to VPr Por, sm argil VSI pyrte.

LS: gy & gn-gy, sm argil Mdst.

SH: Rr blk Vcarb & carb.

SH- SILTS: gn-gy, sm micac & calc.

SH: dk- lt gy & gn, sm calc & lmy.

SH: (incrs) blk carb & dk gy-blk.

LS: tn-cm, pred dn- mx, sm prt fnx- 2RX.

(Trc LS: AA w/Por & STN)

SH- SILTS: gy-blk & gn-gy.

SH: AA.

LS: tn-gy, Rr wh, pred dn- mx- fnx, VRr Pr Por: pp Por, IX Por, pred VPr- NVP. sm argil Mdst.

SH: blk subcarb- Vcarb, Abndt dk-md gy & gn-gy.

SH: (2880' spl) VC, Vgt'd rd-mrn & gn-gy & blk, sm carb- Vcarb, Trc Coal.

SH: AA.

(MISSISSIPPIAN CHERT) LS: cm-tn-gy, pred dn- mx- Vfnxn, sm silic- Cherty, Sl pyrte, sm Sl fos, sm lmy Chert. CHERT: wh-cm-bf & tn-orn, ~50% wthrd- smi tripolc, Rr triple w/Fr- Gd visibl IX & vug Por, sm ml.Gr Por. NS. CHERT: bf-tn-orn & gy, frsh- sl wthrd- shrp, Rr pyrte. NS.

(MISSISSIPPIAN LS) LS: tn-gy-bn, dn hd Mdst, mx- fnx.

LS: cm-bf, mx- vfnxn, sm dolomc- sucro, Rr fn-mdx's- 2RX, VPr- Pr IX Por, NS.

LS: AA, sm doloc, sm mot-cm-bf-gy Pkst, sm grnlr, sm argil, Pr- NVP. NS.

LS: cm-bf-gy, mx- vfnxn, Rr fn- mdx's- 2RX, sm fos- mot Pkst. CHERTY: cm-bf-gy, shrp, sm fos.

LS: AA, sm gn-gy argil & Cherty.

LS: cm-bf-gy, mx- fnxln, sm prt md-crsxn, sm 2RX, sm fos Pkst, sm doloc, sm silic. CHERTY: cm-blu-gy, shrp, sm fos, sm qtzc, Rr omg-tn.

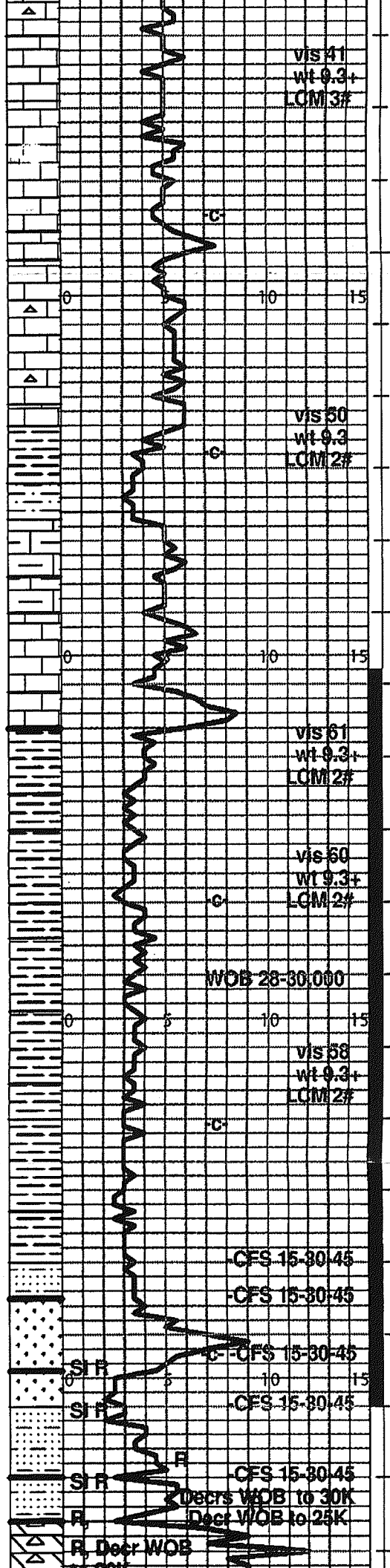
LS: cm-bf-gy, mx- fnx, sm fos Pkst, CHERTY: cm-blu-gy, pred shrp.

LS: cm-bf-gy, mxln- fnx, sm silic, VCherty vos Pkst, sm wh- chlky.

LS: cm-bf-gy & gn-gy, mxln- vfnxn, sm doloc, sm silic. CHERTY: blu-gy, shrp, sm sl argil.

**MUD CHECK
BY FUD MUD:
WT 9.3", VIS 44, PV 30,
YP 22, pH 9.5, WL 8.2,
CI 1400, LCM 2#**

**2879' (-1545)
MISSISSIPPIAN
CHERT**
**2891' (-1557)
MISSISSIPPIAN LS**



vis 41
wt 9.3+
LCM 3#

vis 50
wt 9.3
LCM 2#

vis 61
wt 9.3+
LCM 2#

vis 60
wt 9.3+
LCM 2#

vis 68
wt 9.3+
LCM 2#

WOB 28-30-000

CFS 15-30-45

CFS 15-30-45

CFS 15-30-45

CFS 15-30-45

CFS 15-30-45

CFS 15-30-45

Decrs WOB to 30K
Declt WOB to 25K

R, Deer WOB

LS: cm-bf-gy, mx- vfnxn, sm SI dolomc, sm fos & grnlr Pkst, SI Cherty, sm argil- shly.

LS: AA

LS: cm-bf-gy, mx- vfnxn, sm SI dolomc, sm silic, SI Cherty, sm grnlr fos Pkst, Pr IX Por, I.fos Por, I.Gr Por. NS.

-3000

LS: cm-bf-gy, AA, Incrs fos Pkst- mx- fnxn, Pr- VPr Por, NS.

LS: cm-bf-gy, mx- fnxn, sm grnlr- fragmntl Pkst. CHERTY: cm-blu-gy, sm fos, shrp, Rrprt mdxn, sm VSI dolomc.

LS: AA & dn Mdst & gn-gy argil, VPr- NVP. NS.

SH: lt- dk gn-gy & blk, VRr mrm-rd SH.

SH: AA & SILTS: lt- dk gn-gy, sm calc & lmy.

SH & SILTS & LS: gy, argil Mdst.

LS: gy-tn-cm, Abndt dn Mdst, sm argil- shly.

-3050

LS: gy-tn-cm, dn- cryptox- mx Mdst & mx- fnx Wkst- Pkst, AA.

LS: AA & gy-bn, dn Mdst, sm pyrte.

{KINDERHOOK} SH: lt-dk gy & gn-gy, sm pyrte.

SH: lt-dk gn-gy & sm blk carb.

SH- SILTS: gy, micac.

Incrs SH: blk subcarb- carb- Vcarb & dk gy- blk.

SH: AA, pred dk gy-blk, sm carb.

-3100

SH: dk gy-bn, sm SI dolomc- subcarb, VSI pyrte.

SH: gy-bn-blk, Abndt SI dolomc, VSI micac.

SH: gy-bn-blk, sm mx- dolomc, Rr pyrte, sm carb- Vcarb, sm phos.

SH: AA, sm dolomc & phos, sm pyrte, Rr blk carb SH. (LS: AA)

VRr SD CLUST: gy-wh, Vfn- fn Gr'd, well cmt'd, VPr- Pr Por, sm shly, Trc frbl w/Trc SFO- FLR.

-3150

{UPPER SIMPSON} SS- SD CLUST: wh-gy-Tn- STN, Vfn- Vcrs Gr'd, Pr sort'd, pred fn- md Gr'd, well cmt'd, Pr- Rr Fr Por, spt'd- sat Tn STN- FLR, Fr- Gd SFO, sm dd STN.

{MIDDLE SIMPSON} SS- SD CLUST: gy-wh, gn-gy, pred Vfn Gr'd, Vwell sort'd & Vwell cmt'd- sm shly- gn, Rr Vfn-fn & Vfn-md Gr'd w/Pr Por, VRr Gd Por, ~10% w/SFO- STN. SS- SD CLUST: AA, pred Vfn Gr'd, Vwell cmt'd, Vwell sort'd, Rr Pr sort, Vfn- crs Gr'd, sm shly, pred well cmt'd.

<5% AA w/SFO- STN-FLR. & SH: gn-gy-blk & mrm. SS- SD CLUST: AA, sm fn- md Gr'd, Pr- Fr Por, <5% w/SFO- STN

{ARBUCKLE} DOLO: cm-tn-gy, fn- mdxn, VRr prt crsxn- rhmbc, Rr Fr- Gd Por: vug Por, IX Por. NS. DOLO: bf-tn-gy, incrs mdxn- Rr crsxn- Vcrsxx- 2RX- rhmbc

MUD CHECK BY FUD MUD:
WT 9.2+, VIS 52, PV 32,
YP 22, pH 9.5, WL 7.8,
CI 1100, LCM 2#

3066' (-1732) KINDERHOOK

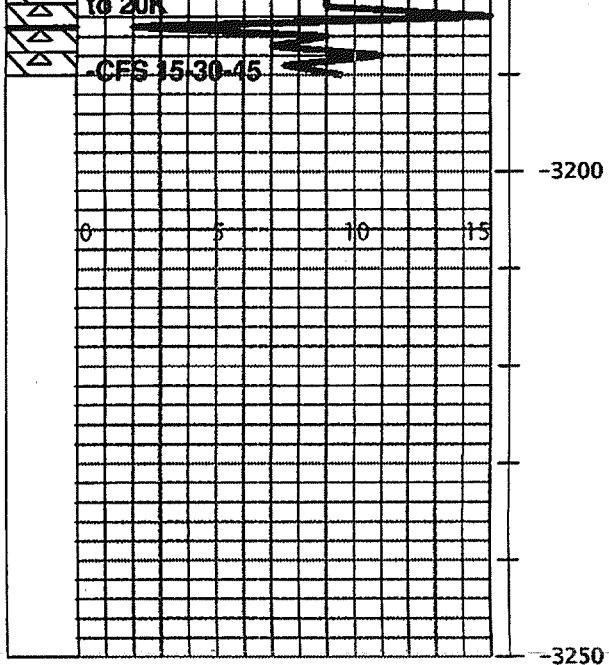
DST #1 SIMPSON 3058'-3160'
30-30-60-60
1st Op: wk blo incrs to 3"
2nd Op: wk blo incrs to 6"

Rec: 222' GWM (1%G,79%M, 20%W- scum oil)
IHP: 1503
IFP: 16-55
ISIP: 1149
FFP: 58-124
FSIP: 1149
FHP: 1489
BHT: 106 F

{Trc SFO} 3145' (-1811)
U.SIMPSON SS {Fr- Gd SFO}

3155' (-1821) M. SIMPSON SS {SI SFO} {VSI SFO}

{VSI SFO} 3176' (-1842)
ARBUCKLE



w/sm Fr- Gd For. NS. Fr pyrte Dolo. CHERTY: cm-bf & transl qtz & blu-gy, sm ool- mot, pred shrp.

3190' (-1856)
RTD

RANGE OIL CO, INC.
MOEDER #1
620' FSL & 1650' FWL
Sec 4-29S-03E
BUTLER CO., KS
API#15-015-23947

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RANGE OIL CO.	Job Number	M353
Well Name	MOEDER #1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3058-3160 SIMPSON SS	Well Operator	RANGE OIL CO.
Surface Location	SEC.4-29S-3E BUTLER CO.KS.	Report Date	2012/07/15
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	ROGER MARTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3058-3160 SIMPSON SS		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/07/15	Start Test Time	12:25:00
Final Test Date	2012/07/15	Final Test Time	23:05:00
		Well Fluid Type	01 Oil
Gauge Name	30037		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

222' GMW 1% GAS, 79% MUD, 20% WTR W/ A THIN SCUM OF OIL, SLIGHT ODOR
222' TOTAL FLUID

CHLOR: 5,000 PPM

PH:8.0

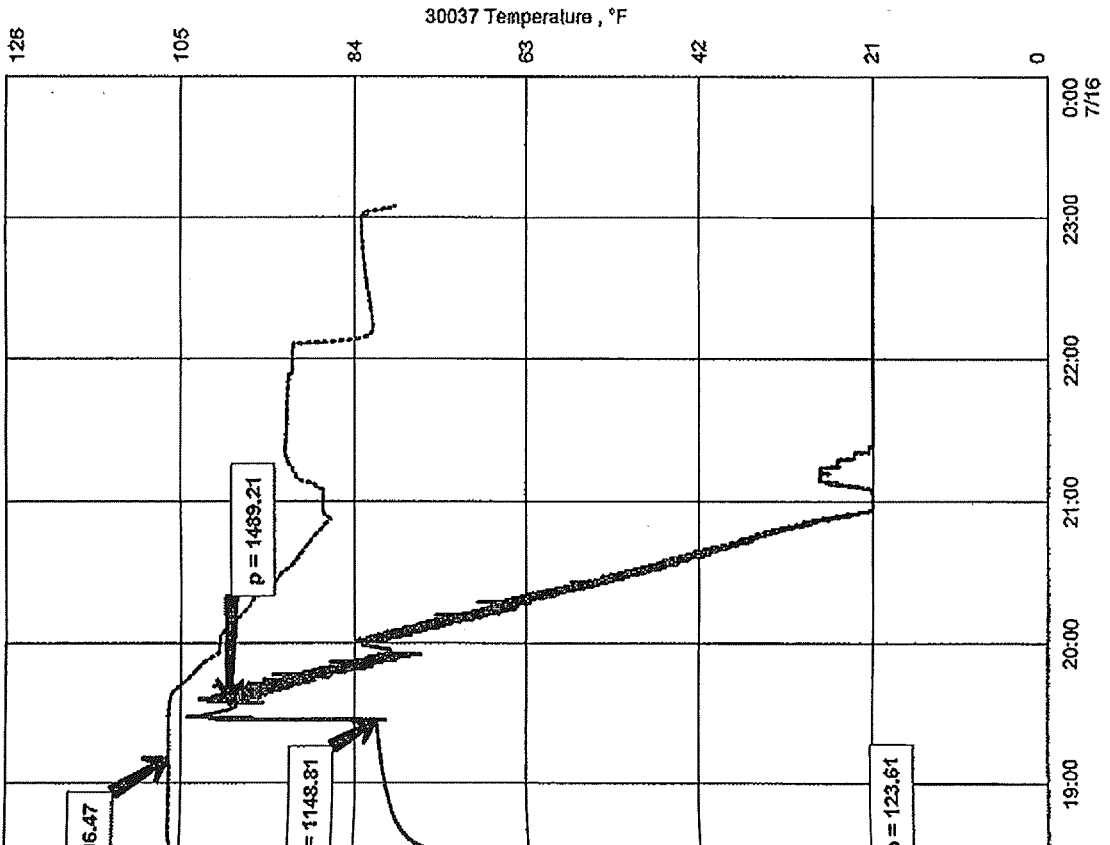
RW: 1.0 @ 88 DEG

TOOL SAMPLE: 100% DRLG MUD

Valldata™ Ver 7.3.0.44 121988
C:\Users\Roger.Friedly\Documents\MIKEDSTWOEDER #1\MDR1DST\MDR1DST1.CHT.15-Jul-12 1

MOEDER #1
Formation: DST#1 3058-3160 SIMPSON SS
Pool: WILDCAT
Job Number: M353

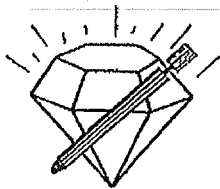
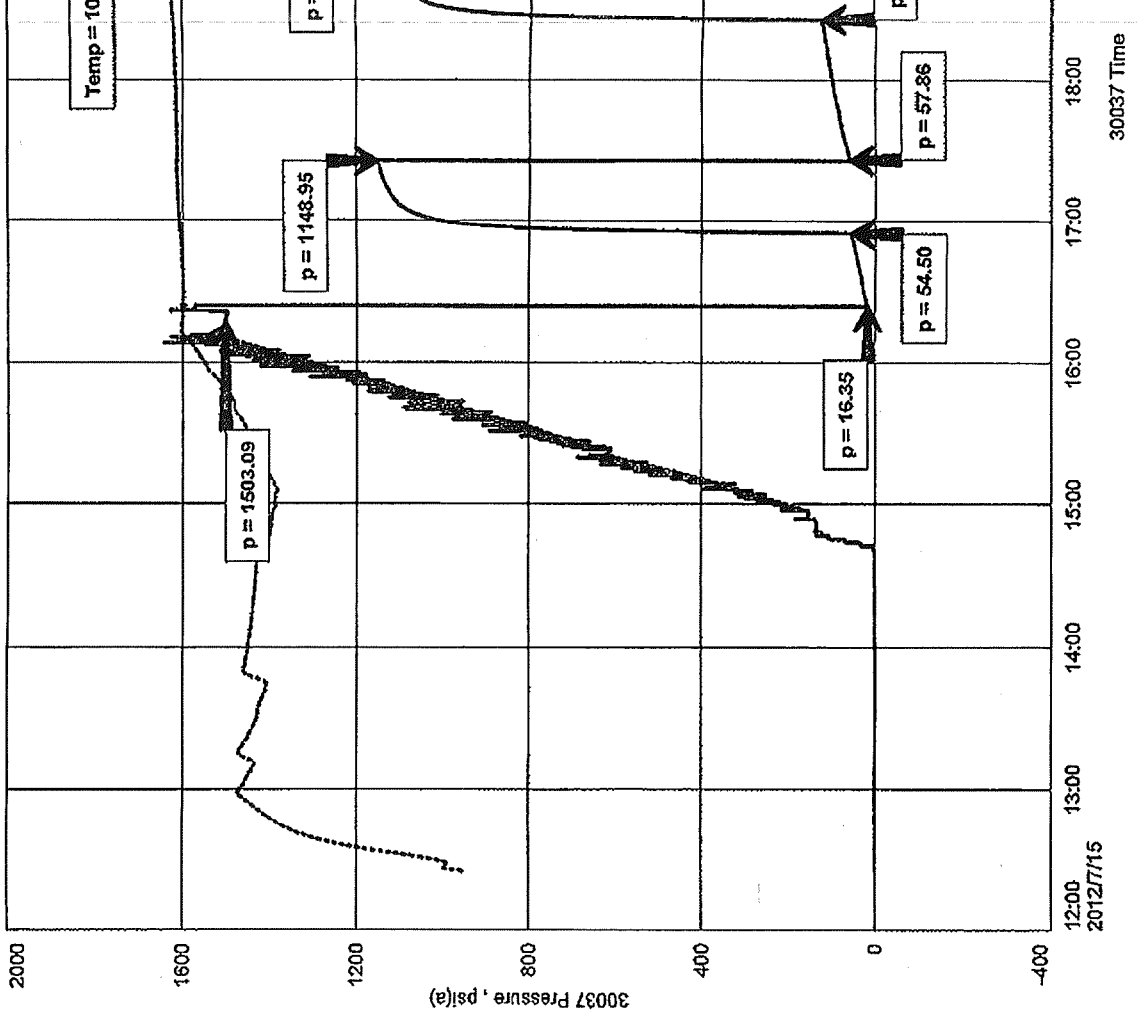
#1



Fast

RANGE OIL CO.
 DST#1 3058-3160 SIMPSON SS
 Start Test Date: 2012/07/15
 Final Test Date: 2012/07/15

MOEDER



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: MDR1DST1

TIME ON: 1225
 TIME OFF: 2305

Company RANGE OIL CO. Lease & Well No. MOEDER #1
 Contractor SUMMIT RIG Charge to RANGE OIL CO.
 Elevation 1334 KB Formation SIMPSON SS Effective Pay _____ Ft. Ticket No. M353
 Date 7/15/2012 Sec. 4 Twp. 29 S Range 3 E W County BUTLER State KANSAS
 Test Approved By ROGER MARTIN Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3058 ft. to 3160 ft. Total Depth 3160 ft.
 Packer Depth 3053 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 3058 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3060 ft. Recorder Number 30037 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 3157 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 57 Drill Collar Length 250 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 7.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,100 P.P.M. Drill Pipe Length 2776 ft. I.D. 3 1/2 in.
 Size: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2 in.

Did Well Flow? NO Reversed Out NO Anchor Length 102 ft. Size 4 1/2-FH In.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 In.

Blow: 1st Open: A WSB THAT INC TO 3" (NO BB)

2nd Open: A WSB THAT INC TO 6" (NO BB)

Recovered 222 ft. of GMW 1% GAS, 79% MUD, 20% WTR W/ A THIN SCUM OF OIL, SLIGHT ODOR

Recovered 222 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 5,000 PPM

Recovered _____ ft. of PH:8.0

Recovered _____ ft. of RW: 1.0 @ 88°

Remarks: _____

TOOL SAMPLE: 100% DRLG MUD

Time Set Packer(s) 4:30 P.M. A.M. P.M. Time Started Off Bottom 7:30 P.M. A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1503 P.S.I.

Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 55 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1149 P.S.I.

Final Flow Period..... Minutes 60 (E) 58 P.S.I. to (F) 124 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1149 P.S.I.

Final Hydrostatic Pressure..... (H) 1489 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.



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D353

Company Range Oil Company, Inc. Lease & Well No. Moeder No. 1

Elevation 1334 KB Formation Simpson SS Effective Pay -- Ft. Ticket No. M353

Date 7-15-12 Sec. 4 Twp. 29S Range 3E County Butler State Kansas

Test Approved By Roger L. Martin Diamond Representative Michael Cochran

Formation Test No. 1 Interval Tested from 3,058 ft. to 3,160 ft. Total Depth 3,160 ft.

Packer Depth 3,053 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,058 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,060 ft. Recorder Number 30037 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,157 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 250 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 7.8 cc. Drill Pipe Length 2,776 ft. I.D. 3 1/2 in.

Chlorides 1,100 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 38' perf. w/64' drill collar Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 - FH in.

Blow: 1st Open: Weak, surface blow increasing to 3 ins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 6 ins. No blow back during shut-in.

Recovered 222 ft. of gassy watery mud with a thin scum of oil & a slight odor = 1.647240 bbls.

(Grind out: 1%-gas;
20%-water; 79%-mud)
Chlorides: 5,000 Ppm
PH: 8.0 RW: 1.0 @ 88°

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks Tool Sample Grind Out: 100%-drilling mud

Time Set Packer(s) 4:30 ~~A.M.~~ P.M. Time Started Off Bottom 7:30 ~~A.M.~~ P.M. Maximum Temperature 106°

Initial Hydrostatic Pressure (A) 1503 P.S.I.

Initial Flow Period Minutes 30 (B) 16 P.S.I. to (C) 55 P.S.I.

Initial Closed In Period Minutes 30 (D) 1149 P.S.I.

Final Flow Period Minutes 60 (E) 58 P.S.I. to (F) 124 P.S.I.

Final Closed In Period Minutes 60 (G) 1149 P.S.I.

Final Hydrostatic Pressure (H) 1489 P.S.I.



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 34911
LOCATION Eureka
FOREMAN Steve Mead

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

FIELD TICKET & TREATMENT REPORT

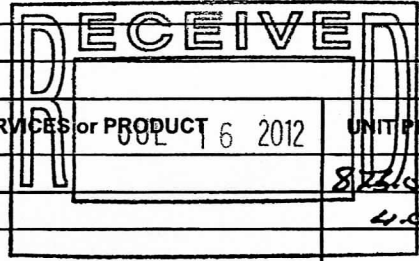
CEMENT APT 15-015-23947

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-8-12	6942	Mosder #1	4	295	3E	Butler
CUSTOMER <u>Range Oil Company, Inc</u>			TRUCK #			
MAILING ADDRESS <u>125 N. Market St #120</u>			DRIVER			
CITY <u>Wichita</u>			STATE <u>KS</u>			
STATE <u>KS</u>			ZIP CODE <u>67202</u>			
CITY <u>Wichita</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>67202</u>			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 232' CASING SIZE & WEIGHT 8 5/8 23'
CASING DEPTH 208 G.L. DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.5# SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 13 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting! Rig up to 8 5/8 casing. Break circulation w/ Fresh water. Mix 125 lbs Class A Cement w/ 3% cacl, 2% Gel & 1/2# Flo-Cele per sk At 14.5# Shut down Release plug. Displace with 13 bbls Fresh water. Shut casing in. Good cement returns to surface. 13 bbls slurry to pit. Job complete Rig down

Thank you



ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
52015	1	PUMP CHARGE	825.00	825.00
52106	40	MILEAGE	4.00	160.00
11041	125 sk	Class A Cement	14.95	1868.75
1102	340#	Cacl. 3%	.74	251.60
1118B	225#	Gel 2%	.21	47.25
1107	62#	Flo-Cele 1/2# per sk	2.35	145.70
5407		Tan Mileage Bulk Trucks	M/C	350.00
4132	2	8 5/8 Centralizers	69.00	138.00
4432	1	8 5/8 Wooden Plug	80.00	80.00
			Sub Total	3866.30
			SALES TAX 6.55%	165.19
			ESTIMATED TOTAL	4032.09

Revin 3737

051080

AUTHORIZATION [Signature] 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
On Well Services, LLC



ENTERED

TICKET NUMBER 34890

LOCATION Eureka, KS

FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-015-23947

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
7-16-12	6942	Moeder #1	4	29S	3E	Butler																
CUSTOMER <u>Range Oil Company Inc</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>Dave G.</td> <td></td> <td></td> </tr> <tr> <td>667</td> <td>Chris B</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	Dave G.			667	Chris B						
TRUCK #	DRIVER	TRUCK #					DRIVER															
445	Dave G.																					
667	Chris B																					
MAILING ADDRESS <u>125 N. Market Ste 1120</u>																						
CITY <u>Wichita</u>		STATE <u>KS</u>	ZIP CODE <u>67202</u>																			

Summit
Drlg

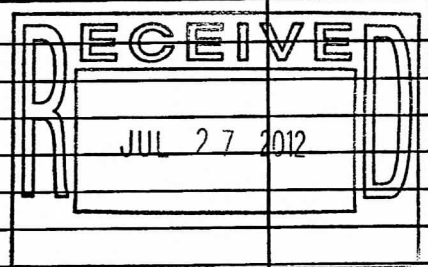
JOB TYPE P.T.A. 0 HOLE SIZE 7 7/8" HOLE DEPTH 3190' CASING SIZE & WEIGHT 8 5/8" surface Pipe
 CASING DEPTH --- DRILL PIPE 4" TUBING --- OTHER ---
 SLURRY WEIGHT --- SLURRY VOL --- WATER gal/sk 6.95 CEMENT LEFT in CASING ---
 DISPLACEMENT --- DISPLACEMENT PSI --- MIX PSI --- RATE ---

REMARKS: Safety Meeting, Rig up to 4" drill pipe & set following phgs

#1 @ 3170' - 35 SKS
 #2 @ 260' - 35 SKS
 #3 @ 60' to surface - 25 SKS Keep hole Full, Job Complete.

Thanks Shannon & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1030.00	1030.00
5406	40	MILEAGE	4.00	160.00
1131	95 SKS	60/40 Pozmix Cement	12.55	1192.25
1118 B	330 #	6el @ 4%	.21	69.30
5407	Tons	Ton mileage bulk Truck	M/C	350.00
			Sub Total	2801.55
			SALES TAX	82.63
			ESTIMATED TOTAL	2884.18



251400

6.55 %

Flavin 3737

AUTHORIZATION [Signature] 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.