



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1090753
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: _____

1090753

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 052451

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberal KS

DATE <u>6-8-12</u>	SEC <u>30</u>	TWP <u>30S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00am</u>	JOB FINISH <u>3:00am</u>
Fitzgerald A LEASE		WELL # <u>3-30</u>	LOCATION <u>South of Sibleto KS</u>		COUNTY <u>Haskell</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR Stirling Drilling Co rig #5 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 1824 CEMENT AMOUNT ORDERED 450sk AMD Cement 1/4 Plo

CASING SIZE 8 5/8 24 DEPTH 1819 150sk class A 27.6ol 3%CC 1/4 Plo

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1000 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 41 ft

CEMENT LEFT IN CSG. 41 ft

PERFS. _____

DISPLACEMENT 113.26

EQUIPMENT

PUMP TRUCK CEMENTER Jose Gonzalez / David M.

#549-550 HELPER Cesar P.

BULK TRUCK _____

#451-251 DRIVER Angel T.

BULK TRUCK _____

#530-554 DRIVER Vicente T.

REMARKS:

Thank you!!

CHARGE TO: McCoy Petroleum Corp

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Calvin Mikkelsen

SIGNATURE Calvin Mikkelsen

COMMON 600 SK @ 16.25 9750.00
POZMIX _____ @ _____
GEL 3 SK @ 21.25 63.75
CHLORIDE 21 SK @ 58.20 1222.20
ASC _____ @ _____
Sodium meta 846lb @ 3.00 2538.00
Gyp Seal 8 SK @ 34.20 273.60
Flo Seal 151 lb @ 2.70 407.70

HANDLING 667.30 @ 2.25 1501.43

MILEAGE 1035.50 @ 2.35 2433.43

TOTAL 18190.11

SERVICE

DEPTH OF JOB 1819

PUMP TRUCK CHARGE 1925.00

EXTRA FOOTAGE @ _____

MILEAGE Heavy 35 @ 7.00 245.00

MANIFOLD +head @ 200.00 200.00

Light 33 @ 4.00 140.00

TOTAL \$2510.00

PLUG & FLOAT EQUIPMENT

8 5/8

Guide shoe 1 @ 394.00 394.00

APV float 1 @ 382.00 382.00

Centralizers 4 @ 64.00 256.00

Basket 1 @ 478.00 478.00

Rubber plug 1 @ 112.00 112.00

TOTAL \$1622.00

SALES TAX (if Any) _____

TOTAL CHARGES \$22322.11

DISCOUNT _____ IF PAID IN 30 DAYS

\$ 14509.37

ALLIED OIL & GAS SERVICES, LLC KID 052455

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberals KS

DATE <u>6-14-12</u>	SEC <u>30</u>	TWP. <u>30S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00am</u>	JOB FINISH <u>10:00am</u>
LEASE <u>Fitzgerald</u>	WELL# <u>3-30</u>	LOCATION <u>South of Siblette KS</u>			COUNTY <u>Haskell</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR Sterling Drilling Co rig #5 OWNER

TYPE OF JOB 4 long strings
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 4 1/2 10.5 DEPTH 4808.70
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.15
 CEMENT LEFT IN CSG. 42.15
 PERFS.
 DISPLACEMENT 75.78

CEMENT
 AMOUNT ORDERED 150sk class H ASC
5# Gilsomite .5% FL-160
50sk 60/40/4% Gel

EQUIPMENT
 PUMP TRUCK CEMENTER Jose Gonzalez
 # 549-550 HELPER Lenny B.
 BULK TRUCK
 # 470-528 DRIVER Vicente T.
 BULK TRUCK
 # DRIVER

COMMON <u>Class A</u>	<u>30</u>	@ <u>16.25</u>	<u>487.50</u>
POZMIX	<u>20</u>	@ <u>8.50</u>	<u>170.00</u>
GEL	<u>2</u>	@ <u>21.25</u>	<u>42.50</u>
CHLORIDE		@	
ASC	<u>150</u>	@ <u>19.00</u>	<u>2850.00</u>
<u>Gilsomite</u>	<u>750 lb</u>	@ <u>.89</u>	<u>667.50</u>
<u>FL-160</u>	<u>71 lb</u>	@ <u>17.20</u>	<u>1221.20</u>
<u>Super Flush</u>	<u>750 gal</u>	@ <u>1.27</u>	<u>952.50</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>247 culst</u>	@ <u>2.25</u>	<u>555.75</u>
MILEAGE	<u>374.50 tra mil</u>	@ <u>2.35</u>	<u>880.08</u>
			TOTAL <u>\$7827.03</u>

REMARKS:

Thank you

SERVICE

DEPTH OF JOB	<u>4808.70 ft</u>
PUMP TRUCK CHARGE	<u>2405.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>Heavy T</u>	<u>35</u> @ <u>7.00</u> <u>245.00</u>
MANIFOLD <u>thead</u>	<u>1</u> @ <u>200.00</u> <u>200.00</u>
<u>Light T</u>	<u>35</u> @ <u>4.00</u> <u>140.00</u>
	@
TOTAL <u>\$2990.00</u>	

CHARGE TO: Mccoy Petroleum Corp.
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>4 1/2</u>			
<u>AFV Float shoe</u>	<u>1</u>	@ <u>327.00</u>	<u>327.00</u>
<u>Latch dam Plug</u>	<u>1</u>	@ <u>233.00</u>	<u>233.00</u>
<u>Centralizer</u>	<u>4</u>	@ <u>48.00</u>	<u>192.00</u>
		@	
		@	
			TOTAL <u>\$752.00</u>

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES \$11569.03

PRINTED NAME Colvin Mikkelsen
 SIGNATURE [Signature]

DISCOUNT _____ IF PAID IN 30 DAYS
\$7519.87

ALLIED OIL & GAS SERVICES, LLC 056224

Federal Tax I.D.# 20-5975804

PERMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>6-27-12</u>	SEC <u>30</u>	TWP <u>30</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Fitz Gerald</u>				WELL # <u>A-3-30</u>	LOCATION <u>Sublette 45-7E-1/2 W into</u>	COUNTY <u>Haskell</u>	STATE <u>Ks.</u>
<input type="checkbox"/> OLD OR NEW (Circle one)							

CONTRACTOR mid western Well Service OWNER Same

TYPE OF JOB <u>AWP</u>
HOLE SIZE _____ T.D. _____
CASING SIZE <u>4 1/2</u> DEPTH <u>4480</u>
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. _____
PERFS. _____
DISPLACEMENT _____

CEMENT

AMOUNT ORDERED 120 sks @ 40 4% Gel
15 sks Gel on side 200th Hulls on Side.

COMMON	<u>72</u>	SKS	@ <u>\$16.25</u>	\$ <u>1170.00</u>
POZMIX	<u>48</u>	SKS	@ <u>\$4.30</u>	\$ <u>208.80</u>
GEL	<u>20</u>	SKS	@ <u>\$21.25</u>	\$ <u>425.00</u>
CHLORIDE			@ _____	
ASC			@ _____	
			@ _____	
			@ _____	
			@ _____	
			@ _____	
			@ _____	
			@ _____	

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>Darren Racette</u>
BULK TRUCK # <u>347</u>	HELPER <u>Tyler Ellipse</u>
BULK TRUCK # _____	DRIVER <u>Brandon Wilkison</u>
BULK TRUCK # _____	DRIVER _____

HANDLING 153.88 ^{fr} @ \$2.10 \$ 323.15
 MILEAGE 6.21 X 35X @ \$2.35 \$ 510.77
TOTAL 2936.22

REMARKS:

Full casing Pump Gel spacer
mix 50 SKs Cement 1860'
mix 50 SKs Cement 660'
mix Cement To Surface 40'

Thank You.

CHARGE TO: McCoy Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	\$ <u>1250.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>35</u> @ <u>\$7.00</u>	\$ <u>245.00</u>
MANIFOLD _____ @ _____	
<u>PLV Mileage</u> @ <u>\$4.00</u>	\$ <u>140.00</u>
	@ _____
TOTAL	\$ <u>1635.00</u>

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
TOTAL CHARGES 4,471.92

PRINTED NAME Calvin Mikkefer DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

*McCoy Petroleum Corporation
Fitz-Gerald 'A' #3-30
25'N & 50'E of N/2 S/2 NE, Section 30-30S-31W
1625'FNL & 1270'FEL
Haskell County, Kansas
API # 15-081-21988-0000*

06-06-12 Mix mud. Drill rathole and mousehole. Spud 12 ¼" hole at 7:00 AM.

06-07-12 TD 1400'. Drilling ahead.

06-08-12 TD 1824' WOC. Driller's Anhydrite 1750-1770'. Deviation 1° @ 1824'. Ran 44 joints of new 8 5/8" 24#, J-55 surface casing. Tally = 1804'. Set at 1819' KB. Welded straps on bottom 3 jts, tacked collars on next 2 and top 3 jts. Centralizers on joints 1, 4, 6 and 41. Basket @ 120'. Float insert in top of 1st joint. Basic Energy cemented with 450 sacks of AMD with 3% CC, 2% Gypseal, 2% Sodium, and 1/4#/sk Floseal followed by 150 sx of Class A with 2% CC and ¼#/sk Floseal. Plug down @ 3:00 A.M. Cement did circulate.

***DST #1, 4672-4697' (Swope Porosity)
Open 30", SI 60", Open 60", SI 90"
Blow off Bottom of Bucket in 7" on 1st open period. Blow back 2.5" decrease to ½" on 1st shut-in period.
Blow off bottom of bucket in 4" on 2nd open period. Blow back 2" decreased to weak surface blow on 2nd shut-in period.
Recovered: 590' Weak Gas In Pipe
 70' Gassy Mud (10% gas, 90% mud)
 240' Gassy Slightly Oil Cut Mud (20% gas, 5% oil, 75% mud)
 310' Total Fluid
FP 37-85# 101-132#
ISIP 840#
FSIP 845#***

06-15-12 RTD 4810'. LTD 4804'. Made short trip up to base of surface casing. Weatherford ran Dual Induction, Density/Neutron and Micrologs. Conditioned hole and LDDP. Ran 114 joints of new 4½", 10.5# S-55 production casing. Tally = 4804.06'. Set casing at 4802' LTD. Shoe joint 42.15'. PBTD 4760'. Centralizers on joints 1, 3, 5, and 7. RU Allied Cementing. Pumped 750 gals of super flush, 5 bbl water spacer and 18 bbls of mud flush. Cemented with 150 sacks of ASC cement (2% gel, 6% gypseal, 5% PL160, 10% salt, 5#/sk flocele). Good circulation throughout job. Lift pressure 600#. Landed plug @ 1000#. Plug down @ 9:53 AM. Plugged rathole with 30 sacks and mousehole with 20 sacks of 60/40 Pozmix. Job supervised by Calvin Mikkelson. Notified Michelle Pennington at KCC. Rig released at 11:15 AM. **WOCT.**

*McCoy Petroleum Corporation
Fitz-Gerald 'A' #3-30
25'N & 50'E of N2 S2 NE, Section 30-30s-31w
1625'FNL & 1270'FEL
Haskell County, Kansas
API # 15-081-21988-0000*

Page 2

SAMPLE TOPS

*McCoy Petroleum Corp
Fitzgerald 'A' #3-30
1625FNL & 1270FEL
Sec. 30-30S-31W
KB: 2858'*

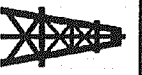
Heebner	4174 (-1316)
Lansing	4240 (-1382)
'G' Zone	4524 (-1666)
Stark	4685 (-1827)
Swope	4693 (-1835)
Swope Por.	4693 (-1835)
Hushpuckney	4762 (-1904)
Hertha Por.	4773 (-1915)
RTD	4810 (-1952)

Electric Log TOPS

*McCoy Petroleum Corp
Fitzgerald 'A' #3-30
1625FNL & 1270FEL
Sec. 30-30S-31W
KB: 2858'*

Heebner	4168 (-1310)
Lansing	4234 (-1376)
'G' Zone	4518 (-1660)
Stark	4678 (-1820)
Swope	4684 (-1826)
Swope Por.	4686 (-1828)
Hushpuckney	4755 (-1899)
Hertha Por.	4767 (-1909)
LTD	4804 (-1948)

06-27-12 Set CIBP @ 4480'. Bailed 2 sx cement on top. Shot casing at 3400', could not pull free. TIH to shoot casing. Could not get below 2516'. Shot off at 2615'. Pulled casing to 1860' and set 50 sx plug. Pulled casing to 660' and set 50 sx plug. Pulled casing to 40' and set 15 sx plug. Topped off with 10 sx. **Well P&A.**



JERRY A. SMITH

CERTIFIED PETROLEUM GEOLOGIST

GEOLOGIST'S REPORT

DRILLING TIME and SAMPLE LOG

COMPANY: MCCOY PETROLEUM CORPORATION		ELEVATIONS	
LEASE: FITZGERALD "A" #3-30		K.B. 2858	
FIELD: LETTE SE		D.F. 2856	
LOCATION: 1625' FNL & 1270' FEL		G.L. 2845	
SEC. 30	TWSP. 30	RNG. 31W	Measurements Are All From: KB
COUNTY: HASKELL		STATE: KANSAS	
CONTRACTOR: STERLING DRLG. RIG #5		CASING	
SPUD: 6/6/12	COMP. 6/14/2012	SURFACE: 8 5/8" @ 1819'	
RTD. 4810	LTD. 4804	PRODUCTION: 4 1/2" @ 4806'	
MUD UP: 3500	TYPE MUD: CHEMICAL	ELECTRICAL SURVEYS WEATHERORD: MPD/MDU, MAIMIE, MML	
API No. 15-081-21988		TO: RTD	
SAMPLES SAVED FROM: 4000		TO: RTD	
DRILLING TIME KEPT FROM: 4000		TO: RTD	
SAMPLES EXAMINED FROM: 4000		TO: RTD	
GEOLOGICAL SUPERVISION FROM: 4160		TO: RTD	
GEOLOGIST ON WELL: JERRY A. SMITH			
FORMATION TOPS	LOG	SAMPLES	
HEEBNER	4168 (-1310)	4174 (-1316)	
LANSING	4236 (-1378)	4240 (-1382)	
"G" ZONE	4518 (-1660)	4524 (-1666)	
STARK	4677 (-1819)	4685 (-1827)	
SWOPE	4684 (-1826)	4690 (-1833)	
HUSHPUCKNEY	4753 (-1895)	4763 (-1905)	

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

LITHOLOGY	DEPTH	<p>DRILLING TIME IN MINUTES PER FOOT</p> <p>Rate of Penetration Increases</p> <p>5" 10" 15" 20" 25"</p>	SAMPLE DESCRIPTIONS	REMARKS
		<p>GAS DETECTOR BY STERLING DRLG TOOKE DAQ DST (1) BY TRILOBITE MUD BY MUD-Co</p> <p>S.H.T.'s</p>		

1824' 3/4°
4697' 1°

VERT. LOG SCALE: 5" = 100'

4000

20

40

60

80

4100

20

40

60

80

Lm - CRM, FX, CHKY
IN FT. No Vis. P.

Lm - CRM, FX, SCAT
PR INTXN P. NS.
CHKY IN FT.

SH - DK GY.

Lm - CRM, LF GY, FX, Foss
IN FT. DSE.

Lm - LF GY, FX, DSE.

Lm - TA, LF GY, FX
FOSS IN FT. DSE ->
SUB - CHKY.

Lm - LF TA, LF GY, FX
DSE -> SUB - CHKY.

SH - DK GY.

Lm - LF GY, FX, DSE.

Lm - AA w/ SCAT LF GY,
OBS, SUP, DSE CNT.

Lm - LF GY, FX, w/ SCAT
CNT - AA.

Lm - AA.

Lm - AA.

SH - M -> DK GY, ABD
Lm - AA.

SH - BLK, CARB.

Lm - LF GY, LF TA, FX,
FOSS IN FT. DSE.

Lm - LF GY, FX, DSE.

SH - BLK, CARB.

Lm - LF -> M GY, FX, DSE.
SH - M -> DK GY.

Lm - CRM, LF GY, FX.

MUD @ 4046:
9.0 WT, 46 VIS, 10.0 FILT,
2600 CHLOR, 1.5 # LCM

HEEBNER
4174 (-1316) SMPL
4168 (-1310) LOG

4200

LM - CRM, Lt Gy, FX, Foss, DSE -> SUB-CHKY.

LM - AA.

LM - Lt M Gy, FX, DSE, w/ ABD, M Gy, Gy - w/ GRN SH.

SH - AA, w/ SCAT M Gy, FX, DSE LM.

LM - Lt Gy, Gy - TN, FX, Foss IN PT, DSE -> SUB-CHKY.

LM - Gy - TN, FX, Foss, DSE -> SUB-CHKY.

SH - M Gy, Gy - GRN - w/ SCAT LM - Gy, FX, DSE.

LM - Lt - M Gy, FX, DSE, Foss IN PT.

LM - AA.

LM - Lt TN, FX, DSE, CHKY, SCAT, M Gy, ORG, SHP, DSE CNT.

LM - SCAT CNT - AA.

LM - Lt TN, Lt Gy, FX, DSE -> SUB-CHKY, w/ SCAT CNT - AA.

SH - M Gy.

LM - CRM, FX, DSE, No Vis φ, w/ SCAT CNT - AA.

LM - CRM, Lt TN, Lt Gy, FX, DSE -> SUB-CHKY.

LM - AA, w/ SCAT CNT - AA.

SH - DR Gy.

LM - CRM, FX, CHKY.

LM - CRM, Lt Gy, FX, SPSEY Foss, DSE -> SUB-CHKY, SCAT M Gy, ORG, SHP, DSE CNT.

LM - AA.

LM - AA, No Vis φ.

LM - AA.

LM - AA.

20

40

60

80

4300

20

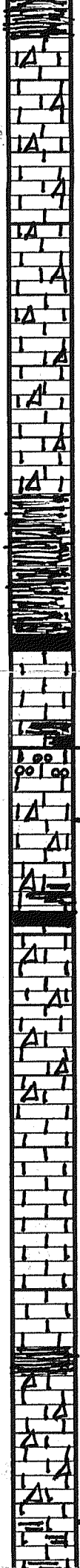
40

60

80

4400

LANSING
4240 (-1382) SMPL
4236 (-1378) LOG



20
40
60
80
4500
20
40
60
80
4600
20

LM - LT - M Gy Gy - TA.
FX. DSE.

LM - AA w/ ABD Gy SH.

LM - LT Gy, LT TA, FX.
CHKY. No Vis ϕ .

LM - AA w/ M Gy, Opa,
SH, DSE CNT.

CHKY LM - AA. CHKY.

CHKY LM - AA. CHKY.

LM - Gy - TA, FX. DSE -
SUB - CHKY. w/ LT - M
Gy, Opa, SH, DSE CNT.

LM - AA. Inc in SH.

ABD. M Gy, GRN, DR RD
SH.

SH - BLK, CARB.

LM - M Gy, FX. DSE.
SPSLY FOSS.

4526 50 UGK

LM - GRN, LT Gy, LT TA, FX.
DSE. w/ LT - M Gy, Opa,
SH, DSE. SCAT LT IN SH.
No TO. WK OOR.

LM - GRN, LT - M Gy, FX.
DSE. SCAT CNT.
M Gy, Opa, SH, DSE.

LM & SCAT CNT - AA.

SH - BLK, CARB.

LM & SCAT CNT - AA.

LM - GRN, LT Gy, LT
TA, FX. FOSS IN PH. DSE.
SCAT PR VGY ϕ . NS.

LM - GRN, LT Gy, LT TA.
FX. FOSS IN PH. DSE.

LM - AA.

LM - GRN, LT TA, FX.
FOSS. DSE - SUB -
CHKY.

LM - AA.

LM - GRN, CHKY w/ LM -
LT - M Gy, FX. DSE.

LM - AA. No Vis ϕ . TA.
M Gy, Opa, SH, DSE
CNT.

LM - GRN, CHKY w/ LM - LT
LT - M Gy, FX. DSE. No
Vis ϕ . NS.

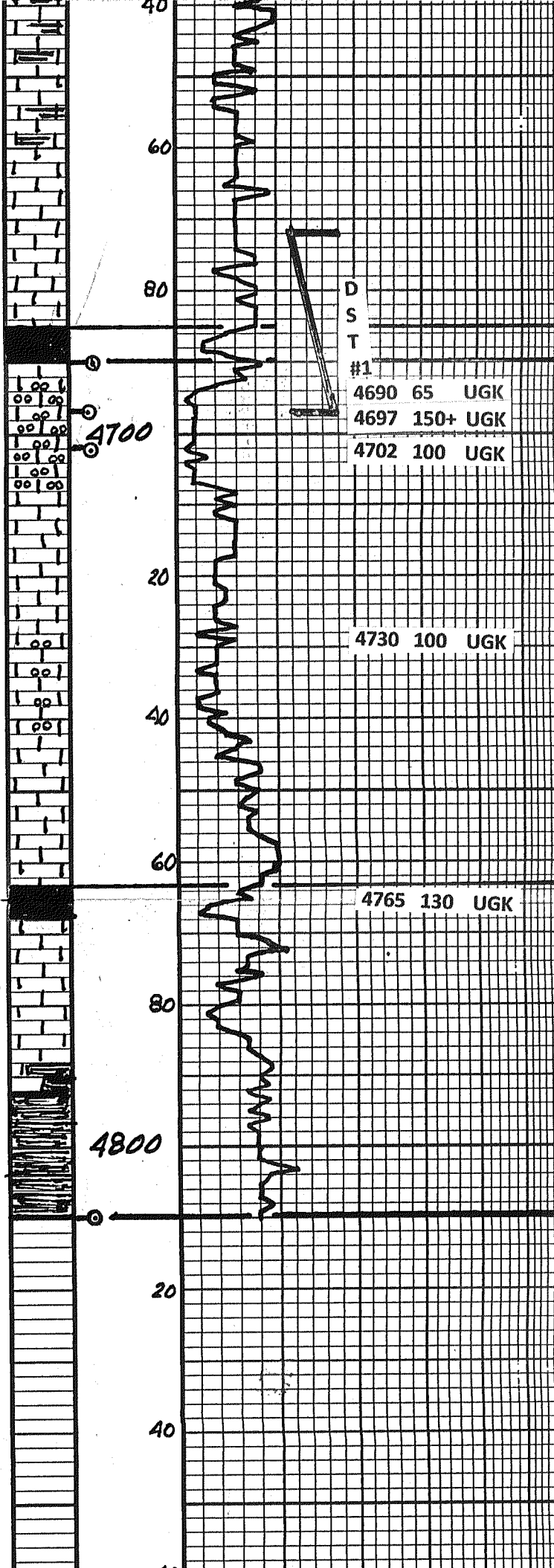
LM - AA. No Vis ϕ . NS.

LM - AA w/ ABD Gy,
GRN, RED SH.

"G" ZONE
4524 (-1666) SMP
4518 (-1660) LOG

MUD @ 4553:
9.0 WT, 47 VIS, 8.8 FILT,
1600 CHLOR, 1 # LCM

PULL SHORT TRIP @ 4577'



LM - LT - M BY GY -
 M - DK GY DSE. SCATT
 M BY SH.

LM & SCATT SH - AA.

LM & SCATT SH - AA.

LM - CM, CNKY - LM -
 M - DK GY GY - TH. FX.
 DSE.

SH - BLK, CARB.

D
 S
 T
 #1
 4690 65 UGK
 4697 150+ UGK
 4702 100 UGK

LM - LT, LT BY, OBRIC
 w/ G.D. JUMP Q. STR
 DOOR. G.D. JUMP GAS & LT

LM - LT BY - TH. FX. OBRIC
 EXCEL. JUMP Q. V. W/ G.
 FREE DOOR. NO VIS. JUMP.
 ALL G. BARREN.

LM - LT - M BY. FX. DSE.
 w/ SCATT M, SUB - CNKY
 LM.

LM - LT - M - DK GY DSE.
 GY - TH. FX. DSE. w/ SCATT
 M, CNKY LM.

4730 100 UGK

LM - DK GY GY - TH. OBRIC
 SPLX. OBRIC. NO DOOR.
 No JUMP

LM - M - DK GY. FX. DSE.
 No VIS. Q. w/ LM - M
 CNKY - 27 GY. SUB -
 CNKY.

LM - LT - M - DK GY. FX
 DSE.

4765 130 UGK

SH - BLK, CARB.

LM - WH. V. CNKY - LM -
 DK GY. FX. DSE. NO.

LM - LT - M BY. FX. DSE.
 w/ SUB - CNKY. w/ SCATT
 M, SET. CNKY LM.

SH - M - DK GY.

SH - DK GY, GY - G.N. SURY
 IN PT.

SH - DK GY, GY - G.N. SURY
 IN PT.

SH - AA. SURY. IN PT.

4700

4800

STARK
 4685 (-1827) SMPL
 4677 (-1819) LOG

SWOPE
 4690 (-1832) SMPL
 4684 (-1826) LOG

PIPE STRAP @ 4697'
 4705.40 BOARD
 4702.14 STRAP
 3.26 SHORT

MUD @ 4697:
 9.1 WT, 50 VIS, 10.4 FILT,
 1500 CHLOR, 1# LCM

HUSHPUCKNEY
 4763 (-1905) SMPL
 4753 (-1895) LOG

TOTAL DEPTH
 4810 (-1952) ROTARY
 4804 (-1946) LOG

DST #1: 4672-97
 30-60-60-90
 IF: BOB IN 7 MINS.
 ISI: 2 1/2" -> 1/2"
 FF: BOB IN 4 MINS.
 FSI: 2" -> WK SURF. BLO
 RECOVERED:
 70% 20% 100% 0% 00% M

LITHOLOGY	4900	60 80		70' GM (10% G, 90% M TR. OIL) 240' G & OCM (20% G, 5% O, 75% M) No WATER SIP'S: 839-844# FP'S: 36-84/101-132# HP'S: 2321-2261# BHT: 121° F	
				DRILLING TIME MINUTES/FOOT 5" 10" 15" 20" 25" Rate of Penetration Increases	SAMPLE DESCRIPTIONS

COMPANY: MCCOY PETROLEUM CORPORATION	ELEVATION: 2858 KB		
LEASE: FITZGERALD "A" #3-30			
LOCATION: 1625' FNL & 1270' FEL	SEC 30	TWP 30	RGE 31W
COUNTY: HASKELL	STATE: KANSAS		

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

Sam Brownback, Governor

August 15, 2012

Scott Hampel
McCoy Petroleum Corporation
8080 E CENTRAL STE 300
WICHITA, KS 67206-2366

Re: ACO1
API 15-081-21988-00-00
FITZGERALD 'A' 3-30
NE/4 Sec.30-30S-31W
Haskell 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,
Scott Hampel



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

8080 E Central STE 300
Wichita, KS 67206

ATTN: Jerry Smith

Fitzgerald "A" #3-30

30-30s-31w Haskell,KS

Start Date: 2012.06.13 @ 07:08:16

End Date: 2012.06.13 @ 17:25:46

Job Ticket #: 48280 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.06.15 @ 14:46:58

McCoy Petroleum Corp.

30-30s-31w Haskell,KS

Fitzgerald "A" #3-30

DST # 1

KC Swope

2012.06.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corp.
8080 E Central STE 300
Wichita, KS 67206
ATTN: Jerry Smith

30-30s-31w Haskell,KS
Fitzgerald "A" #3-30
Job Ticket: 48280 **DST#: 1**
Test Start: 2012.06.13 @ 07:08:16

GENERAL INFORMATION:

Formation: **KC Swope**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 09:53:16
Time Test Ended: 17:25:46
Interval: **4672.00 ft (KB) To 4697.00 ft (KB) (TVD)**
Total Depth: 4697.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 2858.00 ft (KB)
2845.00 ft (CF)
KB to GR/CF: 13.00 ft

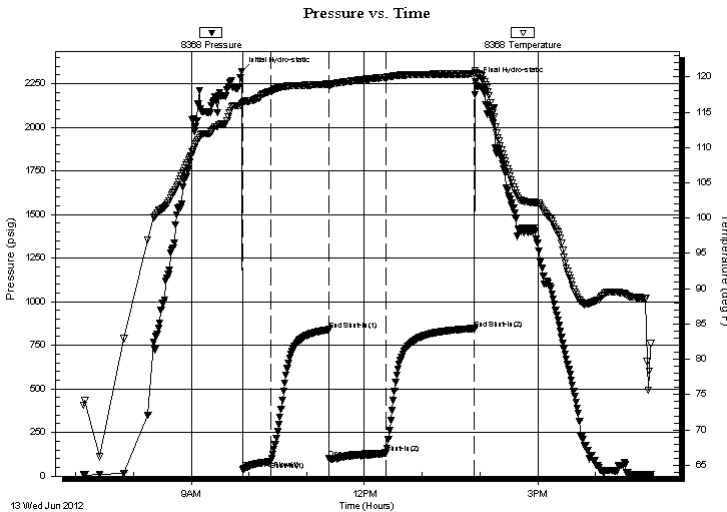
Serial #: 8368

Inside

Press @ Run Depth: 132.34 psig @ 4673.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.13 End Date: 2012.06.13 Last Calib.: 2012.06.13
Start Time: 07:08:16 End Time: 16:57:46 Time On Btm: 2012.06.13 @ 09:52:16
Time Off Btm: 2012.06.13 @ 13:55:31

TEST COMMENT: IF: BOB @ 7 min.
IS: 2 1/2" Return Died back to 1/2".
FF: BOB @ 4 min.
FS: 2" Return died back to weak return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2321.05	116.22	Initial Hydro-static
1	36.95	116.25	Open To Flow (1)
31	84.62	117.97	Shut-In(1)
91	839.76	118.98	End Shut-In(1)
91	101.22	118.70	Open To Flow (2)
151	132.34	119.95	Shut-In(2)
242	844.60	120.45	End Shut-In(2)
244	2261.68	120.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	g m 10g 90m	0.34
240.00	g s o c m 20g 5o 75m	1.18
0.00	590' weak gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp.
 8080 E Central STE 300
 Wichita, KS 67206
 ATTN: Jerry Smith

30-30s-31w Haskell, KS

Fitzgerald "A" #3-30

Job Ticket: 48280 **DST#: 1**
 Test Start: 2012.06.13 @ 07:08:16

GENERAL INFORMATION:

Formation: KC Swope			
Deviated: No Whipstock:	0.00 ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 09:53:16		Tester: Shane McBride	
Time Test Ended: 17:25:46		Unit No: 55	
Interval: 4672.00 ft (KB) To 4697.00 ft (KB) (TVD)		Reference Elevations: 2858.00 ft (KB)	
Total Depth: 4697.00 ft (KB) (TVD)		2845.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 13.00 ft	

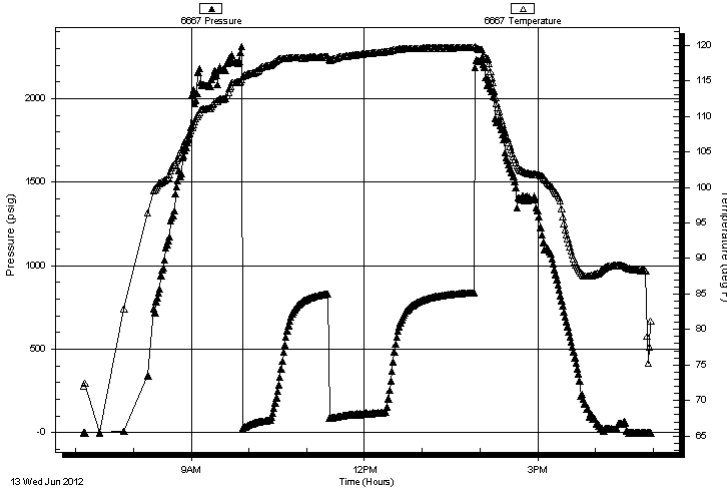
Serial #: 6667

Outside

Press@RunDepth:	psig @ 4673.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2012.06.13	End Date:	2012.06.13
Start Time:	07:08:16	End Time:	16:57:46
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: IF: BOB @ 7 min.
 IS: 2 1/2" Return Died back to 1/2".
 FF: BOB @ 4 min.
 FS: 2" Return died back to weak return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
70.00	g m 10g 90m	0.34
240.00	g s o c m 20g 5o 75m	1.18
0.00	590' weak gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

30-30s-31w Haskell,KS

8080 E Central STE 300
Wichita, KS 67206

Fitzgerald "A" #3-30

Job Ticket: 48280

DST#: 1

ATTN: Jerry Smith

Test Start: 2012.06.13 @ 07:08:16

Tool Information

Drill Pipe:	Length: 4319.00 ft	Diameter: 3.80 inches	Volume: 60.58 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 332.00 ft	Diameter: 2.25 inches	Volume: 1.63 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 62.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 87000.00 lb
Depth to Top Packer:	4672.00 ft			Final 89000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4646.00	
Shut In Tool	5.00			4651.00	
Hydraulic tool	5.00			4656.00	
Jars	5.00			4661.00	
Safety Joint	2.00			4663.00	
Packer	5.00			4668.00	27.00 Bottom Of Top Packer
Packer	4.00			4672.00	
Stubb	1.00			4673.00	
Recorder	0.00	6667	Outside	4673.00	
Recorder	0.00	8368	Inside	4673.00	
Perforations	19.00			4692.00	
Bullnose	5.00			4697.00	25.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

30-30s-31w Haskell,KS

8080 E Central STE 300
Wichita, KS 67206

Fitzgerald "A" #3-30

Job Ticket: 48280

DST#: 1

ATTN: Jerry Smith

Test Start: 2012.06.13 @ 07:08:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	g m 10g 90m	0.344
240.00	g s o c m 20g 5o 75m	1.180
0.00	590' weak gas in pipe	0.000

Total Length: 310.00 ft

Total Volume: 1.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

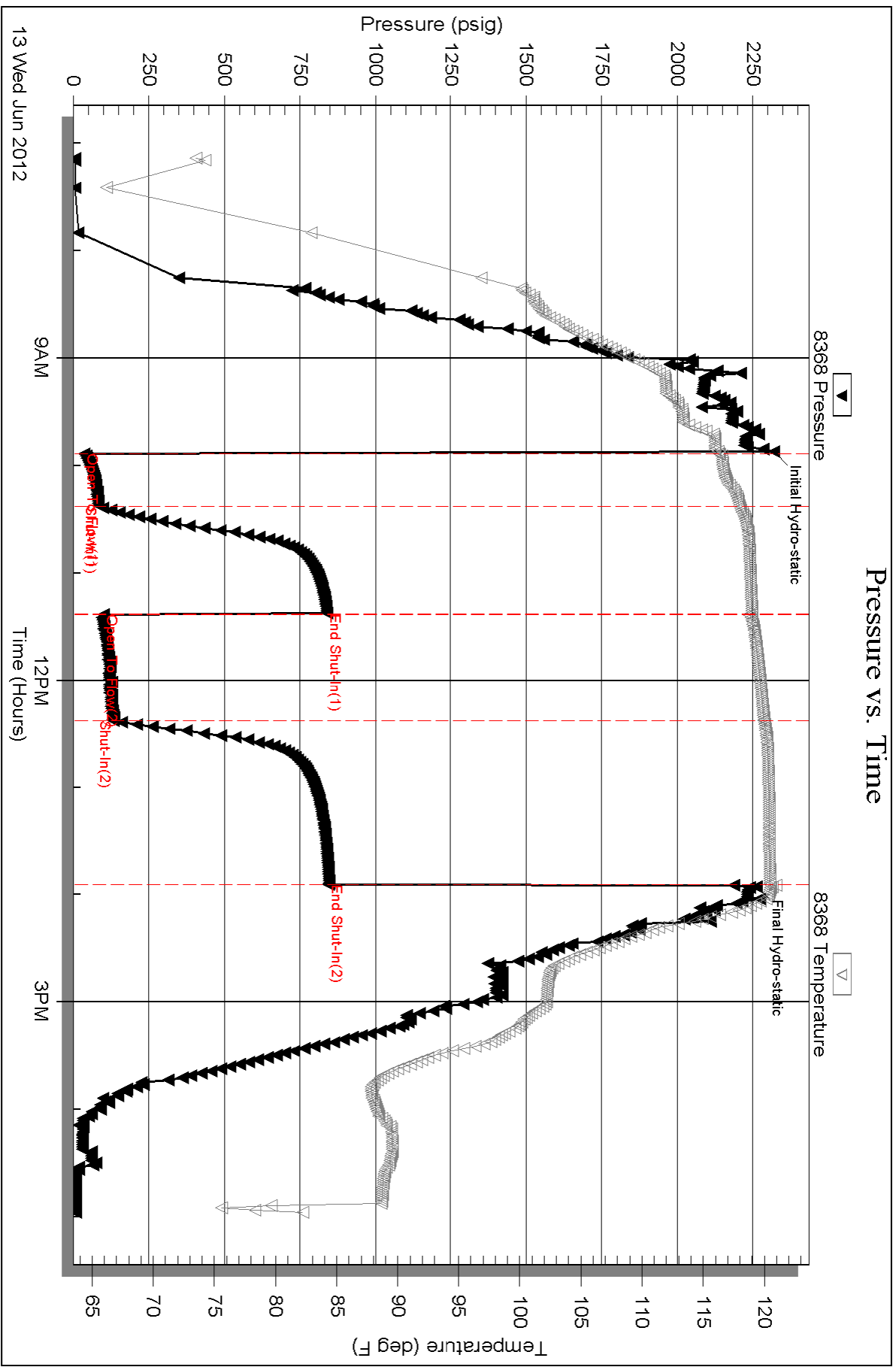
Serial #: 8368

Inside

McCoy Petroleum Corp.

Fitzgerald "A" #3-30

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48280

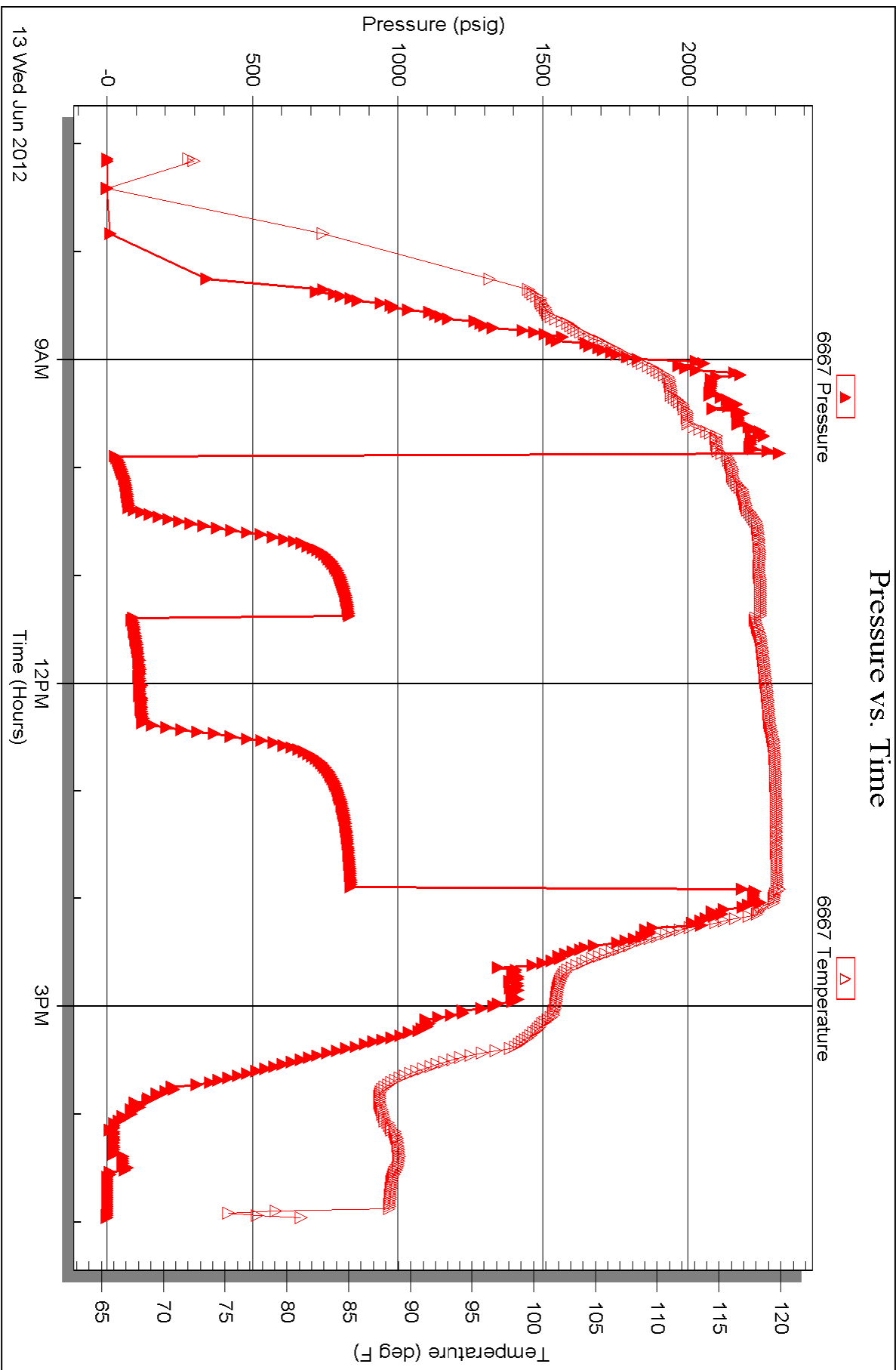
Printed: 2012.06.15 @ 14:47:00

Serial #: 6667

Outside McCoy Petroleum Corp.

Fitzgerald "A" #3-30

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48280

Well Name & No. Fitzgerald "A" #3-30 Test No. 1 Date 6/13/12
 Company McCoy Petroleum Corp. Elevation 2858 KB 2845 GL
 Address 8080 E central STE 300 Wichita ks 67206
 Co. Rep / Geo. Jerry Smith Rig Sterling Rig #5
 Location: Sec. 30 Twp. 30 Rge. 31 W Co. Haskell State Ks

Interval Tested 4672 - 4697 Zone Tested KC Swope
 Anchor Length 25 Drill Pipe Run 4319 Mud Wt. 9.1
 Top Packer Depth 4668 Drill Collars Run 332 Vis 50
 Bottom Packer Depth 4672 Wt. Pipe Run 0 WL 10.4
 Total Depth 4697 Chlorides 1500 ppm System LCM 1

Blow Description BoB @ 7 min.
2 1/2" Return Died back to 1/2"
BoB @ 4 min.
2" Return Died back to weak return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>gm</u>	<u>10%</u>	<u>Trace</u>	<u>90%</u>	<u>90%</u>
<u>240'</u>	<u>gsocm</u>	<u>20%</u>	<u>5%</u>	<u>75%</u>	<u>75%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>590' wear gas in pipe</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 310' BHT 121° Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

- (A) Initial Hydrostatic 2321
- (B) First Initial Flow 30
- (C) First Final Flow 84
- (D) Initial Shut-In 839
- (E) Second Initial Flow 101
- (F) Second Final Flow 132
- (G) Final Shut-In 844
- (H) Final Hydrostatic 2261

- Test 1250
- Jars 250
- Safety Joint 75
- Circ Sub N/C
- Hourly Standby 1h 100
- Mileage 196 RT 161.20
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

T-On Location 06:30
 T-Started 07:08
 T-Open 09:53
 T-Pulled 13:53
 T-Out 17:25

Comments _____

 Sub Total 0
 Total 1836.20

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Approved By [Signature] Sub Total 1836.20
 Our Representative [Signature]
 MP/DST Disc't _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.

Trainee [Signature]