

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1267581
OIL & GAS CONSERVATION DIVISION



Form ACO-1
November 2016

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

1267581



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 Geologist Report / Mud Logs <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
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Good Earth Ranch "A" 1-36
Doc ID	1267581

Tops

Name	Top	Datum
Anh	1356	858
Heebner	3739	-1525
Lansing	3797	-1583
Stark	4062	-1848
Pawnee	4280	-2066
Ft Scott	4339	-2125
Cherokee	4364	-2150
Miss	4421	-2207



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62666 **DST#: 1**
Test Start: 2015.09.21 @ 02:40:37

GENERAL INFORMATION:

Formation: **Miss Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:08:47

Time Test Ended: 11:55:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 4451.00 ft (KB) To 4459.00 ft (KB) (TVD)

Reference Elevations: 2214.00 ft (KB)

Total Depth: 4459.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: 984.10 psig @ 4452.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.21

End Date: 2015.09.21

Last Calib.: 2015.09.21

Start Time: 02:40:37

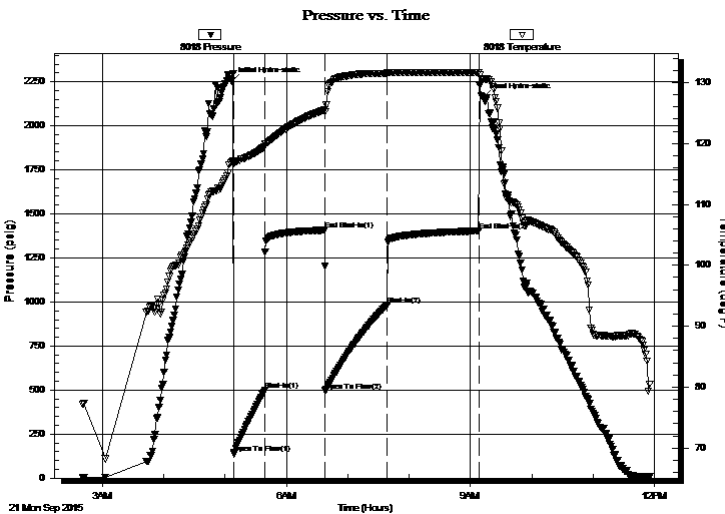
End Time: 11:55:47

Time On Btm: 2015.09.21 @ 05:06:47

Time Off Btm: 2015.09.21 @ 09:12:46

TEST COMMENT: 30-IFP-w k to strg in 4 min
60-ISIP- 1/8"bl bk
60-FFP-w k to strg in 3 min
90-FSIP- 1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.49	117.00	Initial Hydro-static
2	138.44	116.78	Open To Flow (1)
32	496.66	119.49	Shut-In(1)
91	1407.71	125.50	End Shut-In(1)
92	495.88	125.19	Open To Flow (2)
152	984.10	131.50	Shut-In(2)
242	1403.00	131.58	End Shut-In(2)
246	2161.43	130.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	280' GIP	0.00
1425.00	Water	18.62
465.00	HOCW 20%O80%W	6.52
125.00	OCMW 5%O5%M90%W	1.75
60.00	CO	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62666 **DST#: 1**
Test Start: 2015.09.21 @ 02:40:37

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 9.55 in³
Resistivity: ohm.m
Salinity: 3900.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 38 deg API
Water Salinity: 44000 ppm

Recovery Information

Recovery Table

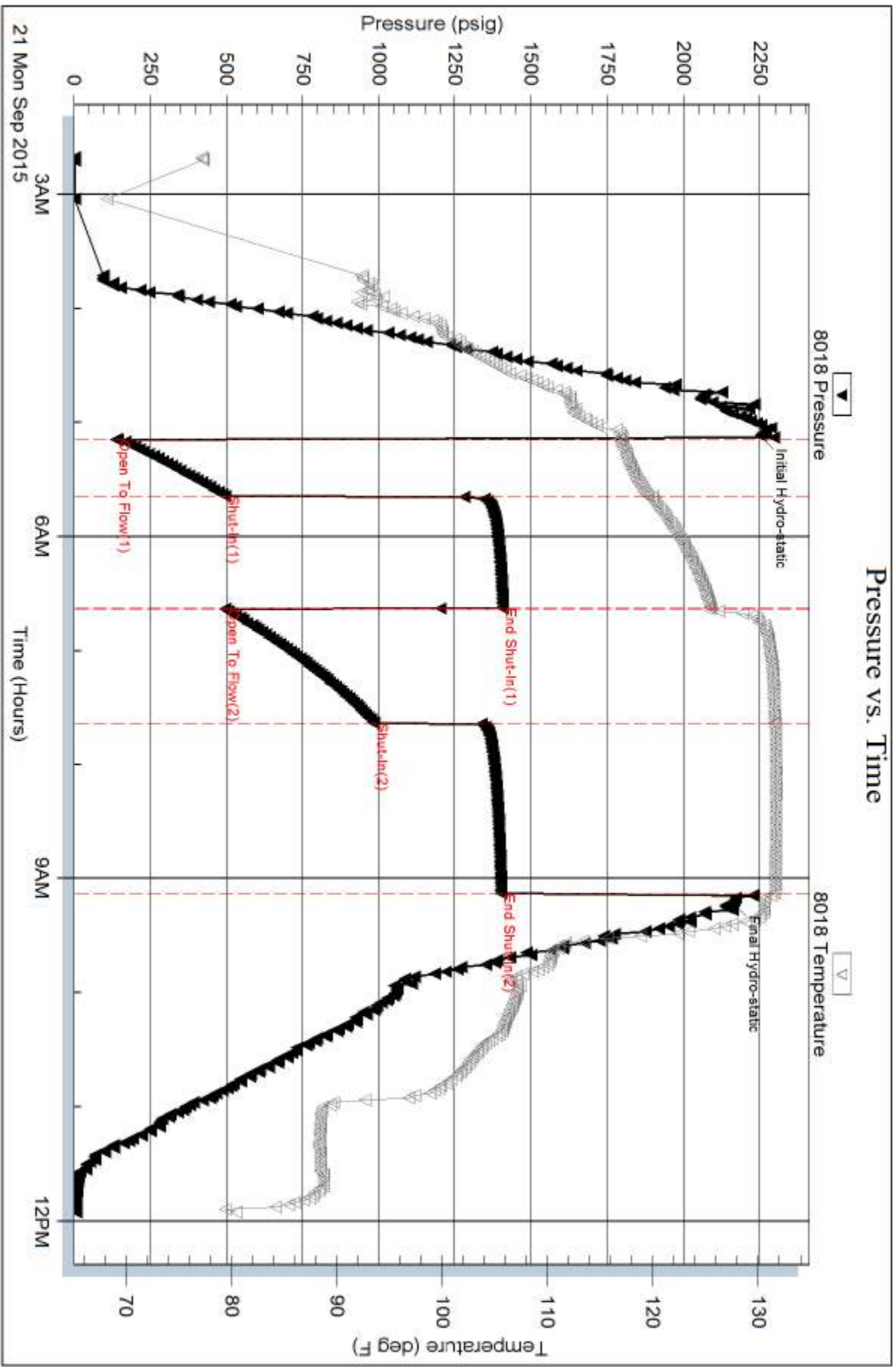
Length ft	Description	Volume bbl
0.00	280' GIP	0.000
1425.00	Water	18.623
465.00	HOCW 20%O80%W	6.523
125.00	OCMW 5%O5%M90%W	1.753
60.00	CO	0.842

Total Length: 2075.00 ft Total Volume: 27.741 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .15@75F





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

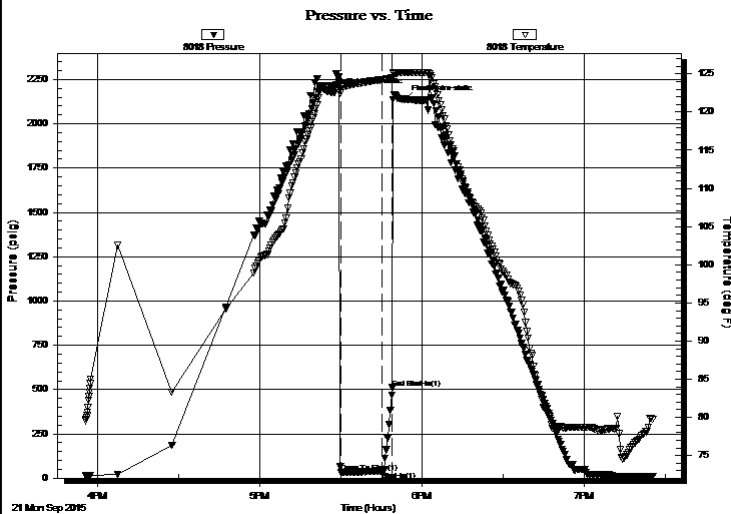
Job Ticket: 62667 **DST#: 2**
Test Start: 2015.09.21 @ 15:55:31

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:29:56
Time Test Ended: 19:25:26
Interval: **4395.00 ft (KB) To 4448.00 ft (KB) (TVD)**
Total Depth: 4459.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Reference Elevations: 2214.00 ft (KB)
2209.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Straddle (Reset)
Tester: Ray Schwager
Unit No: 70

Serial #: 8018 **Inside**
Press@RunDepth: 39.64 psig @ 4401.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.09.21 End Date: 2015.09.21 Last Calib.: 2015.09.21
Start Time: 15:55:31 End Time: 19:25:26 Time On Btm: 2015.09.21 @ 17:27:26
Time Off Btm: 2015.09.21 @ 17:53:41

TEST COMMENT: 15-IFP-vy w k bl 1/8"bl
7-ISIP-no bl
Cedar Hills Started flow ing w ater , pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.31	123.45	Initial Hydro-static
3	32.22	123.29	Open To Flow (1)
18	39.64	124.22	Shut-In(1)
22	510.13	124.49	End Shut-In(1)
27	2138.47	125.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62667 **DST#: 2**
Test Start: 2015.09.21 @ 15:55:31

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:29:56

Time Test Ended: 19:25:26

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 4395.00 ft (KB) To 4448.00 ft (KB) (TVD)

Reference Elevations: 2214.00 ft (KB)

Total Depth: 4459.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.21 End Date: 2015.09.21

Last Calib.: 2015.09.21

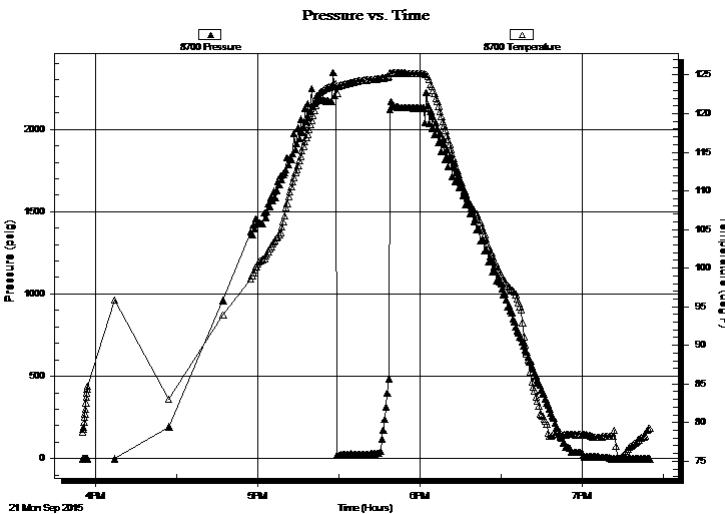
Start Time: 15:55:12 End Time: 19:25:07

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IFP-vy w k bl 1/8"bl
7-ISIP-no bl
Cedar Hills Started flow ing w ater , pulled tool

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

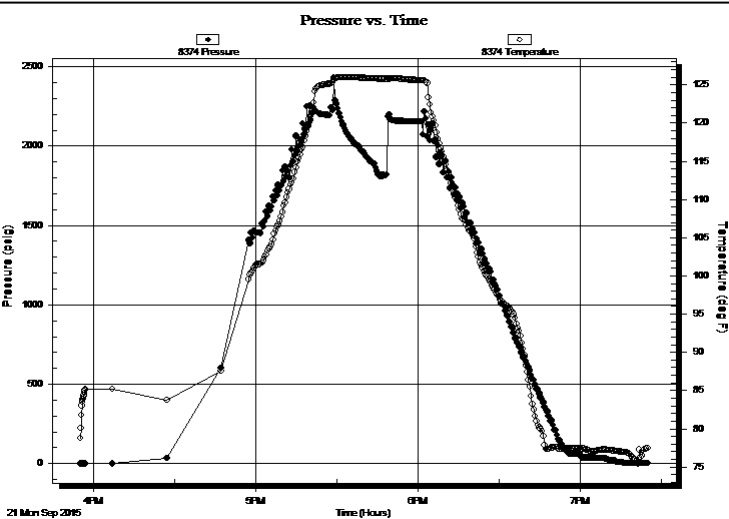
Job Ticket: 62667 **DST#: 2**
Test Start: 2015.09.21 @ 15:55:31

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 17:29:56 Tester: Ray Schwager
Time Test Ended: 19:25:26 Unit No: 70
Interval: 4395.00 ft (KB) To 4448.00 ft (KB) (TVD) Reference Elevations: 2214.00 ft (KB)
Total Depth: 4459.00 ft (KB) (TVD) 2209.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8374 Below (Straddle)
Press@RunDepth: psig @ 4454.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.09.21 End Date: 2015.09.21 Last Calib.: 2015.09.21
Start Time: 15:55:20 End Time: 19:25:15 Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IFP-vy w k bl 1/8"bl
7-ISIP-no bl
Cedar Hills Started flow ing w ater , pulled tool



PRESSURE SUMMARY

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

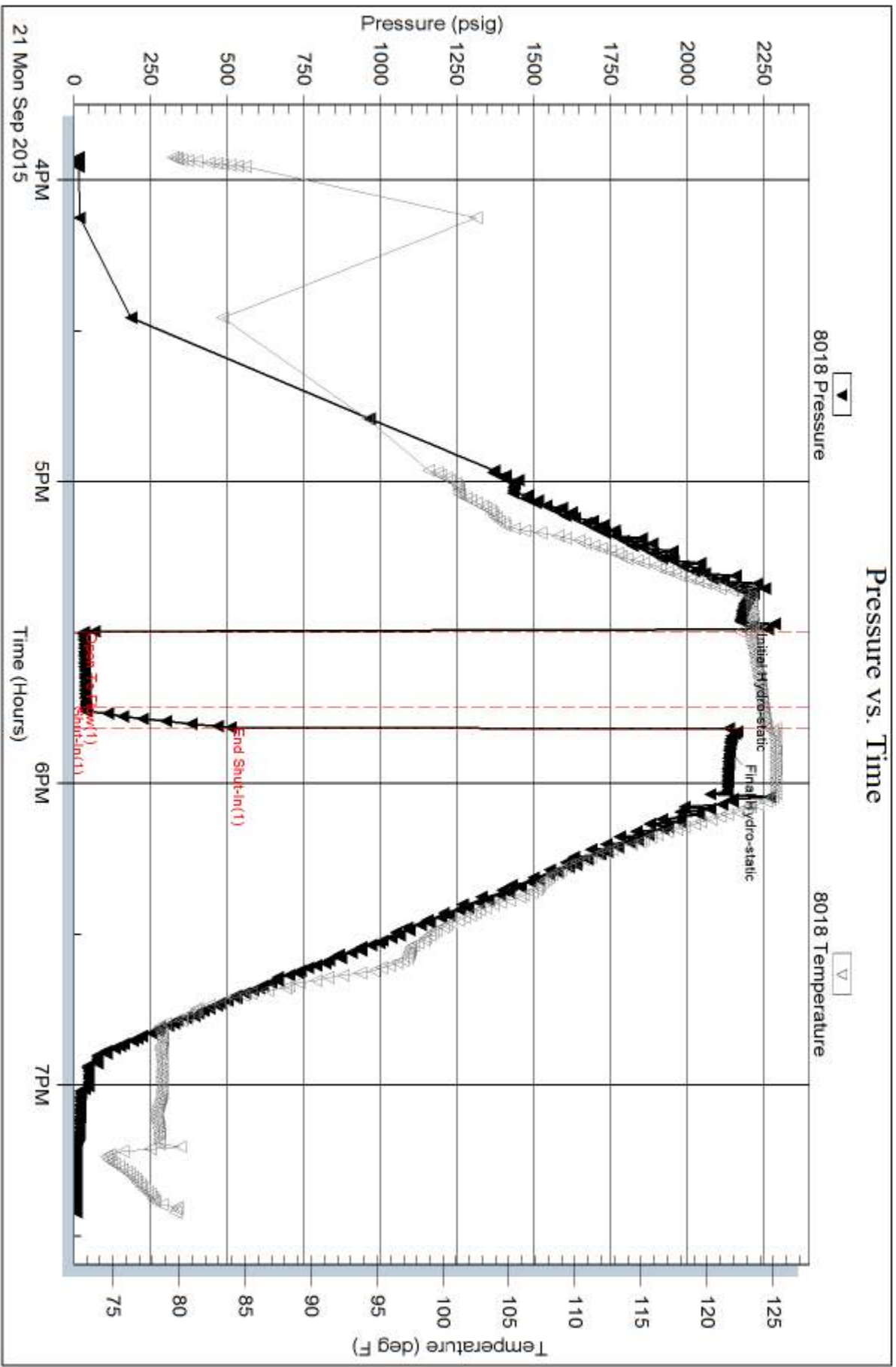
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

* Recovery from multiple tests

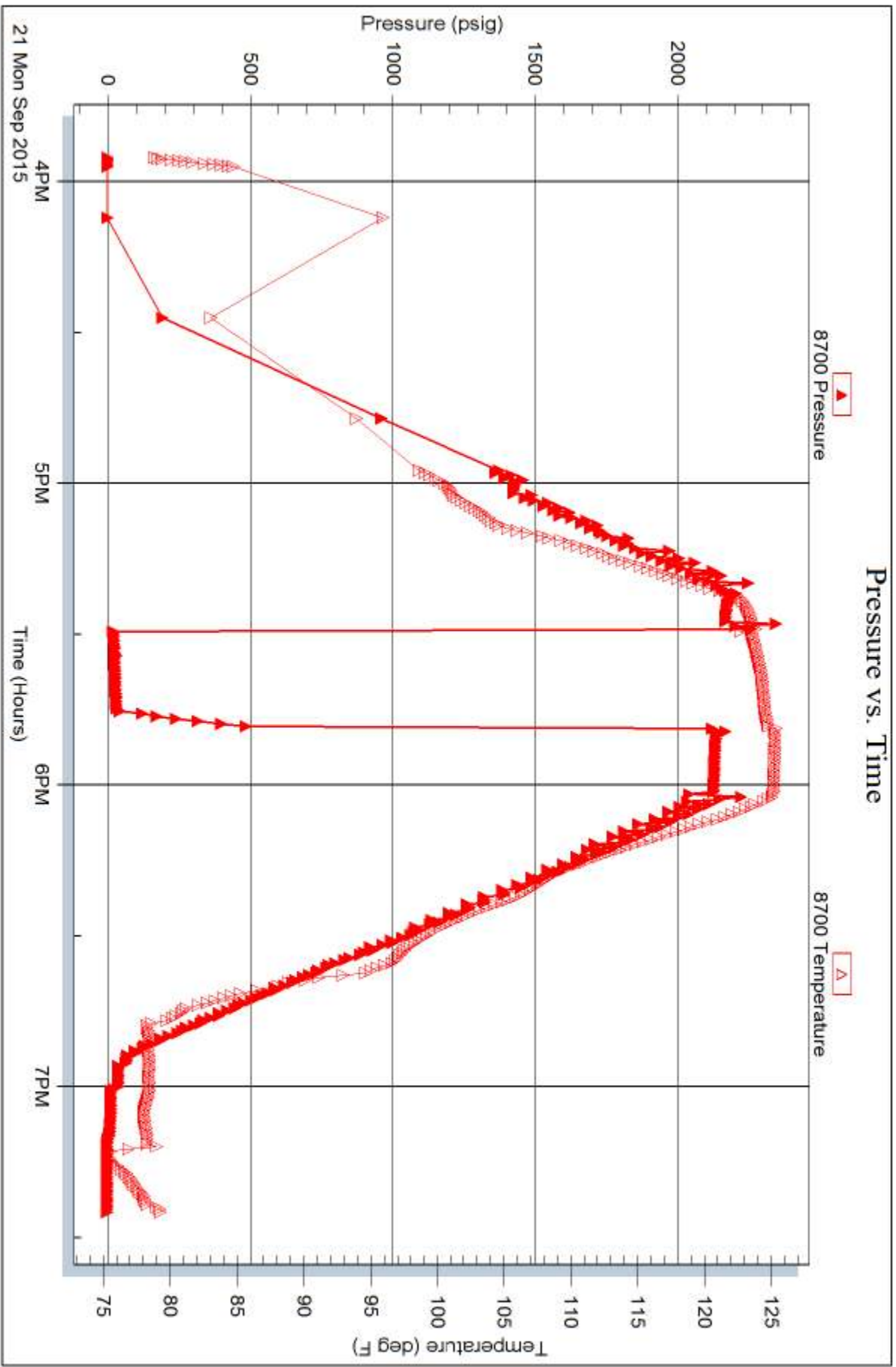


Serial #: 8700

Outside Cobalt Energy LLC

Good EarthRanchA1-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62867

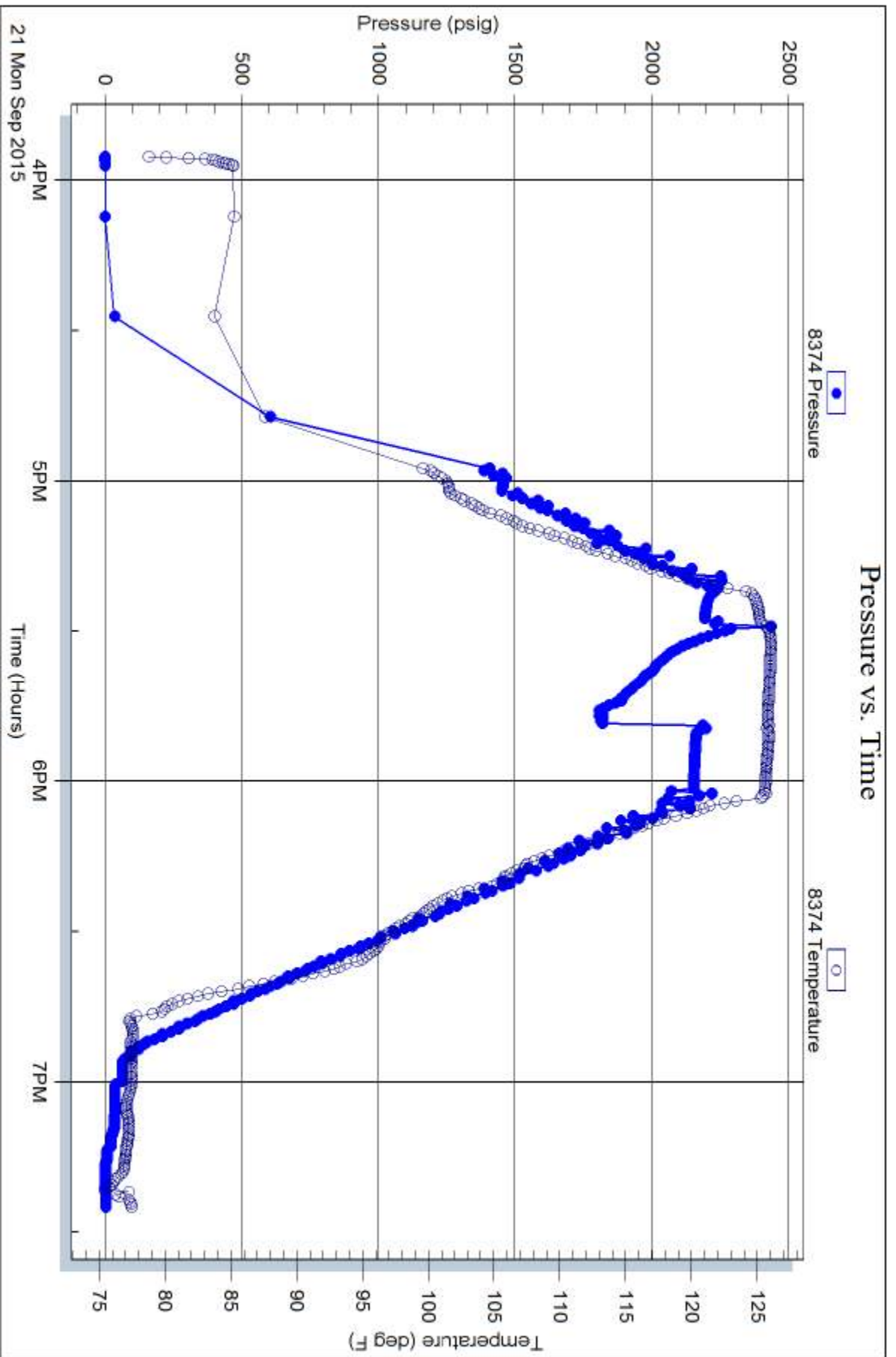
Printed: 2015.09.21 @ 21:08:15

Serial #: 8374

Below (Stratton) Energy LLC

Good EarthRanchA1-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62867

Printed: 2015.09.21 @ 21:08:15

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Cobalt Energy LLC	ELEVATIONS	KB 2214'
LEASE	Good Earth Ranch 'A' #1-36	FIELD	CER
LOCATION	335' fsl & 2305' fwl	LOCATION	36 TWSP 22 RGE 23w
SEC	36	COUNTY	Hodgeman STATE Kansas
CONTRACTOR	Murfin Drilling Co. Rig 16	CONTRACTOR	Murfin Drilling Co. Rig 16
SPUD	9/15/2015	COMP	9/21/2015
RTD	4459'	LTD	4456'
MUD UP	3356'	TYPE MUD	Chemical
SAMPLES SAVED FROM	3600' TO RTD	CONDUCTOR	none
DRILLING TIME KEPT FROM	3600' TO RTD	SURFACE	8-5/8" at 217'
SAMPLES EXAMINED FROM	3600' TO RTD	PRODUCTION	none
GEOLOGICAL SUPERVISION FROM	3650'	ELECTRICAL SURVEYS	Pioneer Wireline
GEOLOGIST ON WELL	Robert D. Hendrix	Race Log	

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	1356 (.853)	1361 (.853)
Heebner	3729 (.1525)	3739 (.1525)
Lansing	3797 (.1583)	3800 (.1586)
Stark Shale	4062 (.1848)	4065 (.1851)
Pawnee	4276 (.2062)	4281 (.2067)
Ft Scott	4339 (.2125)	4344 (.2130)
Cherokee Shale	4364 (.2150)	4368 (.2154)
Mississippian	4421 (.2207)	4419 (.2205)

AP# 15-083-21917

REMARKS:

DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
1350	Anhydrite		Anhydrite 1361 (+853)
1393	Anhydrite		Base Anhydrite 1393 (+821)
3600	Limestone: white to tan, f-mxn, sl chalky, granular, fossiliferous, no vis por		
	Shale: gray, black		
50	Limestone: tan, f-mxn, fossiliferous, no vis por		Geologist on location 3650' at 3:02 am 9/19/2015
	Shale: gray, red, green, silty		
3700	Limestone: white, fxn, v-chalky, sl fossiliferous, no vis por		
	Limestone: white to tan, f-mxn, chalky, granular, fossiliferous, no vis por		
50	Shale: red, gray, dark gray,		Heebner 3731 (-1517)
	Limestone: tan to brown, fxn, dense, sl fossiliferous, no vis por		
	Shale: red, dark gray, black		
	Shale: gray, green, red		down 20 min had to mix mud and increase volume due 80 bbls loss
3800	Limestone: tan, fxn, sl chalky, sl fossiliferous, no vis por		Lansing 3800 (-1586) 8:00am, 9/19/2015
	Shale: gray to lt gray		
	Limestone: tan to white, f-mxn, sl chalky, fossiliferous, no vis por		
	Limestone: tan, fxn, sl chalky, sl cherty, fossiliferous, no vis por		
50	Limestone: tan to white, fxn, sl chalky, fossiliferous, no vis por		
	Limestone: tan, fxn, sl chalky, sl cherty, fossiliferous, no vis por		
3900	Shale: gray, red		
	Limestone: tan, fxn, sl chalky, sl cherty, fossiliferous, no vis por		
	Shale: gray, black		
	Limestone: tan, f-mxn, oolitic, fossiliferous, no vis por		
50	Limestone: tan to white, fxn, sl chalky, sl cherty, fossiliferous, no vis por		
	Shale: gray, green, dark red		
	Limestone: tan to white, f-mxn, sl chalky, sl cherty, oolitic, fossiliferous, no vis por		
	Shale: gray, black		
	Limestone: tan to gray, f-mxn, sl chalky, granular, fossiliferous, no vis por		
4000	Shale: gray, green, red, black		
	Limestone: tan, fxn, chalky, fossiliferous, no vis por		
50	Limestone: tan to brown, mxln, chalky, oolitic, sl fossiliferous, pr oolitic por		
	Limestone: tan, mxln, chalky, oolitic, sl fossiliferous, gd oolitic por, ns		
4100	Shale: black carbonaceous		Stark Shale 4065 (-1851)
	Shale: gray, black, red		
	Limestone: tan to brown, f-mxn, oolitic, sl fossiliferous, fr to gd oolitic to vug por, ns		
	Limestone: tan to white, fxn, sl chalky, fossiliferous, pr vug por		
50	Shale: gray, black, red		
	Limestone: tan to white, mxln, chalky, granular, fossiliferous, no vis por		
	Shale: gray, dark gray		
50	Limestone: tan to pink, fxn, some optical, hard, brittle, no vis por		
	Limestone: tan to brown, f-mxn, oolitic in part, sl fossiliferous, no vis por,		
	Shale: gray, red		
	Limestone: tan, fxn, sl chalky, oolitic in part, sl fossiliferous, a few pieces have gd oolitic por, ns		
	Shale: gray, red		
4200	Limestone: tan, fxn, sl chalky, mostly dense, no vis por		
	Shale: gray		
	Limestone: tan, fxn, dense, fossiliferous, no vis por		8:00am, 9/20/2015
	Shale: gray, red		
50	Limestone: tan, fxn, dense, cherty, sl fossiliferous, no vis por		
	Limestone: tan to white, fxn, granular, sl cherty, no vis por		
	Shale: gray, green, red		
	Limestone: tan, fxn, dense, sl cherty, no vis por		
4300	Shale: gray, dark gray, red		Pawnee 4281 (-2067)
	Limestone: tan, fxn, dense, clear calcite replacement, sl fossiliferous, no vis por		
	Shale: gray, red, black		
	Limestone: tan to white, fxn, chalky, clear calcite fill, sl fossiliferous, no vis por		
	Limestone: tan to brown, v-fxn, dense, sl fossiliferous, no vis por		
50	Limestone: tan, fxn, dense, sl cherty, sl fossiliferous, no vis por		
	Shale: gray, red, black		
	Shale: black, carbonaceous		Ft Scott 4344 (-2130)
	Shale: gray, red, black		
	Limestone: tan to brown, fxn, mostly dense, fossiliferous, 2 pieces fr pp por, slsfo, no odor		wt 9.6, vis. 69, lcm 3# Mud-Co, Rick Hughes
	Shale: black, carbonaceous		Cherokee Shale 4368 (-2154)
	Limestone: tan to brown, v-fxn, mostly dense, fossiliferous, abundant calcite fill, no vis por		Short trip 30 stands
	Shale: gray, dark gray		
	Limestone: tan, brown, gray, fxn, fossiliferous, no vis por		
4400	Shale: gray, green		
	Limestone: tan, fxn, pyritic, fossiliferous, no vis por		
	Shale: gray, brown, red, black		
4419	Limestone: tan, brown, gray, fxn, cherty, fossiliferous, 5 pieces fr pp por, slsfo, faint odor		Mississippi Warsaw 4419 (-2205)
	Dolomite: brown, gray, f-mxn, cherty (green, gray), 1% sample fr op por, slsfo, dull yellow fluorescence, faint odor		
	Sandstone: clear, md-grn, sub-angular, mod sorted, pr intergranular por, gdsfo.		
	Dolomite: tan to brown, f-mxn, cherty (green, gray), 1% sample pr interxn por, slsfo, bright yellow fluorescence, good odor		
4451	Dolomite: tan to brown, fxn, sucrosic, glauconitic, chert fresh (white, gray, yellow), 3% sample fr interxn por, gd sat stain, slsfo, bright yellow fluorescence, good odor		Miss Osage 4451 (-2237)
			8:00am, 9/21/2015 wt 9.3, vis. 65, lcm 3# Mud-Co, Rick Hughes Pipe Strap .17' long to board
4500			

Cobalt Energy LLC
 Good Earth Ranch 'A' #1-36
 335'fsl & 2305'fwl
 36-22-23w, Hodgeman County, Kansas
 KB=2214', GL=2209'
 API: 15-083-21917

QUALITY OILWELL CEMENTING, INC.

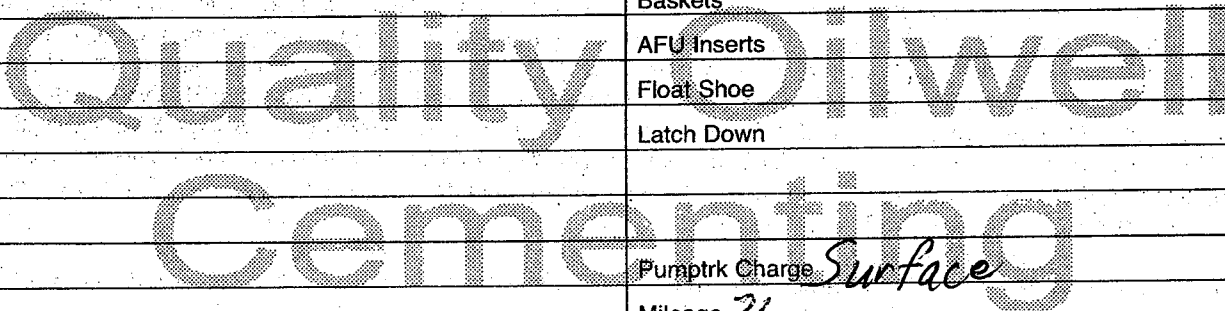
Federal Tax I.D.# 20-2886107

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

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

No. 1627

Date	9-15-15	Sec.	36	Twp.	22	Range	23	County	Hodgeman	State	Ks	On Location		Finish	4:45 PM	
Lease	Good Earth Ranch A							Location	Hanston, Ks - 5W to 224 Rd, 1/25							
Well No.	1-36							Owner	1w N/Into watch out for Helium LPS							
Contractor	Murfin 16							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	Surface							Charge To	Cobalt Energy							
Hole Size	12 1/4"							T.D.	218'							
Csg.	8 3/8"							Depth	218'							
Tbg. Size								Street								
Tool								City	State							
Cement Left in Csg.	15'							Shoe Joint	15'							
Meas Line	Displace 13 BLS							The above was done to satisfaction and supervision of owner agent or contractor.								
EQUIPMENT																
Pumptrk	18	No.	Cementer		Helper		Trautis								Common	148
Bulktrk	14	No.	Driver		Driver		David								Poz. Mix	37
Bulktrk	p.w.	No.	Driver		Driver		Rick								Gel.	0.3
JOB SERVICES & REMARKS																
Remarks:	Cement did Circulate															
Rat Hole																
Mouse Hole																
Centralizers																
Baskets																
D/V or Port Collar																
Used 160 SX of Cement																
FLOAT EQUIPMENT																
Handling 103 194																
Mileage																
Guide Shoe																
Centralizer																
Baskets																
AFU Inserts																
Float Shoe																
Latch Down																
Pumptrk Charge Surface																
Mileage 31																
Tax																
Discount																
Total Charge																
X Signature <i>Ray Ardel</i>																



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. 1631

Date	9-22-15	Sec.		Twp.		Range		County	Hodgeman	State	KS	On Location		Finish	3:00 AM
Lease								Well No.		1-36					
Contractor								Murfin		16		Owner			
Type Job								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.							
Hole Size								7 7/8" 8"		T.D.		4459'			
Csg.								Depth		Street					
Tbg. Size								4 1/2" D.P.		Depth		1450'			
Tool								Depth		City					
Cement Left in Csg.								Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line								Displace		H2O/mud		Cement Amount Ordered			
												220 60/40 4% Gel Mud			
												Flo-seal			
												Common			
												132			
Pumptrk								5		No.		Cementer			
												Helper			
Bulktrk								15		No.		Driver			
												Travis			
Bulktrk								P.U.		No.		Driver			
												Billy			
												Rick			
												Poz. Mix			
												88			
												Gel.			
												8			
												Calcium			
												Hulls			
												Salt			
Remarks:								1450' - 50 SX				Flowseal			
Rat Hole								580' - 50 SX				55 #			
Mouse Hole								260' - 50 SX				Kol-Seal			
Centralizers								60' - 20 SX				Mud CLR 48			
Baskets								Rathole - 30 SX				CFL-117 or CD110 CAF 38			
D/V or Port Collar								Mouse hole - 20 SX				Sand			
												Handling			
												228			
												Mileage			
												FLOAT EQUIPMENT			
												Guide Shoe			
												Centralizer			
												Baskets			
												AFU Inserts			
												Float Shoe			
												Latch Down			
												Pumptrk Charge			
												plug			
												Mileage			
												31			
												Tax			
												Discount			
												Total Charge			
X Signature								ang daniel							

Cement did Circulate

