



**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: \_\_\_\_\_



1062154

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	SPANGENBERG 35-1
Doc ID	1062154

All Electric Logs Run

MPD/MDN
MML
MSS
MAI/MFE

Form	ACO1 - Well Completion
Operator	Coral Production Corporation
Well Name	SPANGENBERG 35-1
Doc ID	1062154

Tops

Name	Top	Datum
ANHYDRITE	834	+1108
TOPEKA	3010	-1068
HEEBNER	3300	-1257
TORONTO	3318	-1376
LANSING	3430	-1488
BKC	3654	-1712
VIOLA	3703	-1761
SIMPSON	3761	-1819
ARBUCKLE	3799	-1857



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

ATTN: Tim Lauer

Job Ticket: 43935

**DST#: 1**

Test Start: 2011.07.27 @ 05:01:41

## GENERAL INFORMATION:

Formation: **Lansing "C-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:41:11

Time Test Ended: 12:22:26

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

**Interval: 3470.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 516.95 psig @ 3471.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.27

End Date:

2011.07.27

Last Calib.:

2011.07.27

Start Time:

05:01:42

End Time:

12:22:26

Time On Btm:

2011.07.27 @ 06:40:26

Time Off Btm:

2011.07.27 @ 10:30:26

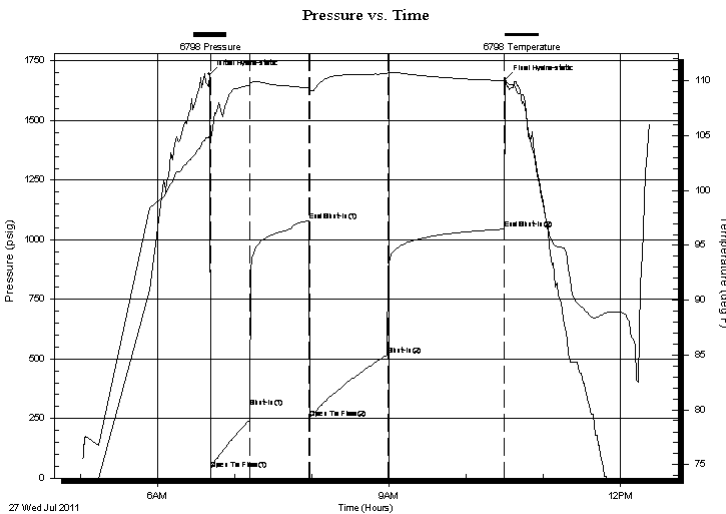
**TEST COMMENT:** IF: Fair Blow, BOB in 5 minutes

IS: Bled Off, No Blow back

FF: Fair Blow, BOB in 10 minutes

FS: Bled Off, No Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1694.48	105.04	Initial Hydro-static
1	37.38	104.40	Open To Flow (1)
32	299.05	109.72	Shut-In(1)
78	1079.44	109.38	End Shut-In(1)
78	252.72	109.06	Open To Flow (2)
139	516.95	110.63	Shut-In(2)
230	1044.86	110.03	End Shut-In(2)
230	1673.00	110.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
632.00	GSY Salt Water 5%G 95%W	8.87
240.00	MCW 30%M 70%W	3.37
150.00	WCM 40%W 60%M	2.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

Job Ticket: 43935

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2011.07.27 @ 05:01:41

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 110000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
632.00	GSY Salt Water 5%G 95%W	8.865
240.00	MCW 30%M 70%W	3.367
150.00	WCM 40%W 60%M	2.104

Total Length: 1022.00 ft      Total Volume: 14.336 bbl

Num Fluid Samples: 0

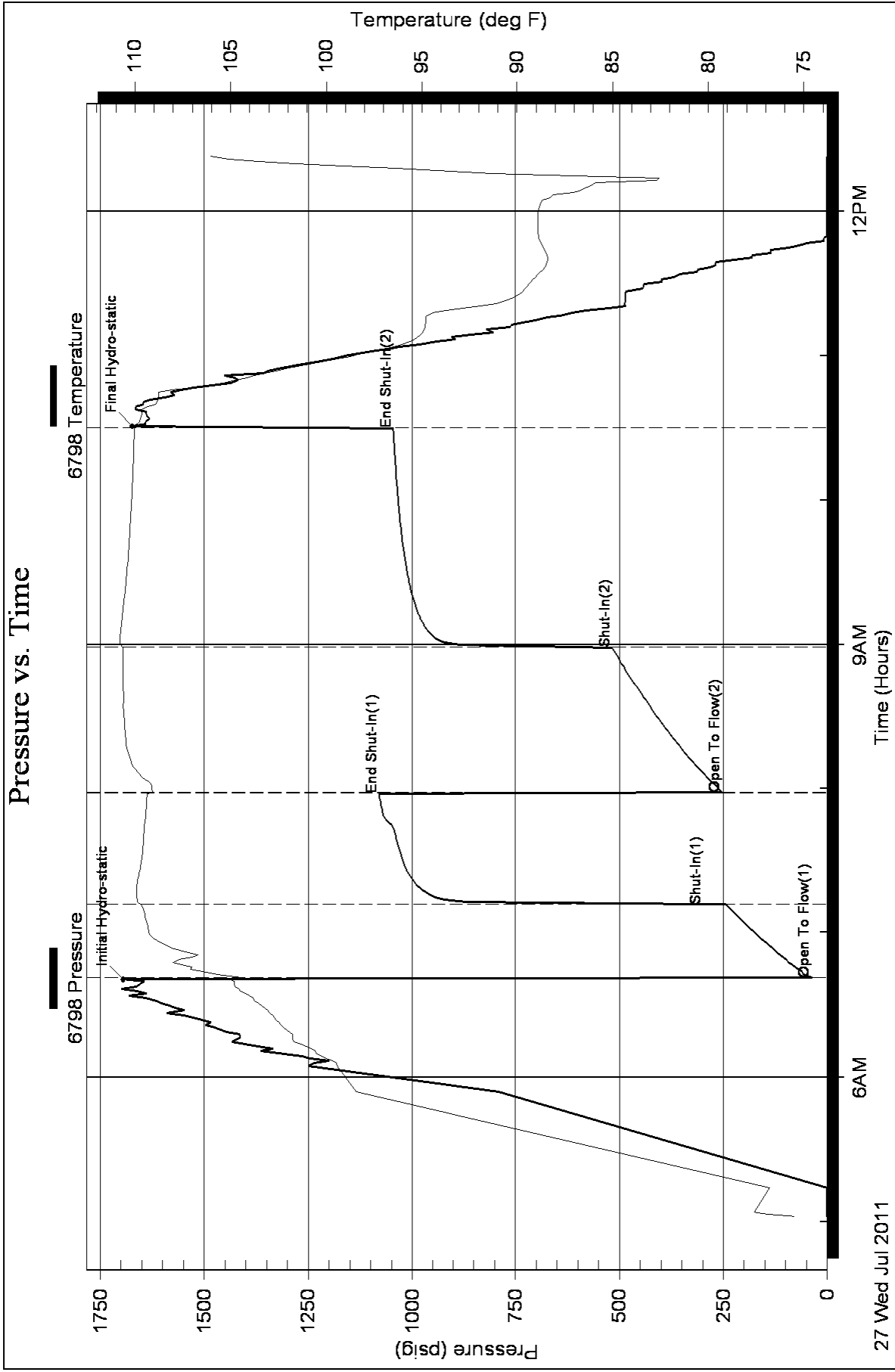
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .055 @ 95 degrees





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

ATTN: Tim Lauer

Job Ticket: 43936

**DST#: 2**

Test Start: 2011.07.28 @ 00:22:44

## GENERAL INFORMATION:

Formation: **Lansing "H & I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:59

Time Test Ended: 07:55:44

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

**Interval: 3545.00 ft (KB) To 3585.00 ft (KB) (TVD)**

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3585.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 119.06 psig @ 3546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.28

End Date:

2011.07.28

Last Calib.:

2011.07.28

Start Time:

00:22:45

End Time:

07:55:44

Time On Btm:

2011.07.28 @ 02:23:29

Time Off Btm:

2011.07.28 @ 06:12:59

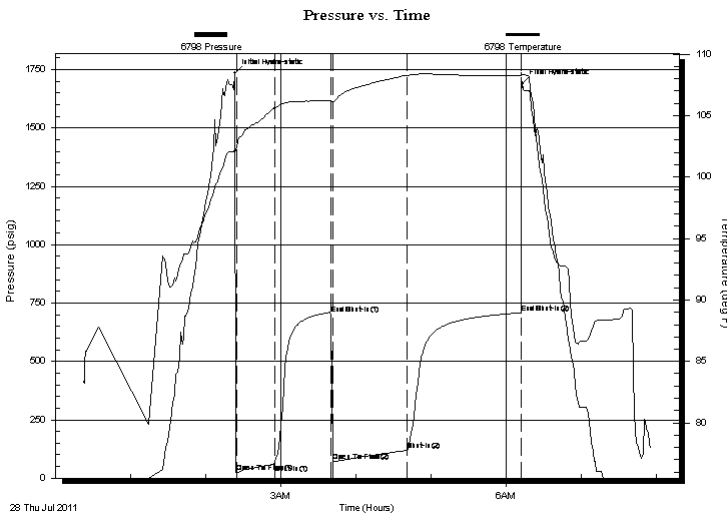
**TEST COMMENT:** IF: Fair Blow , 9 inches

IS: Bled Off, No Blow back

FF: Weak Blow , BOB in 40 minute

FS: Bled Off, No Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.38	102.25	Initial Hydro-static
2	23.50	102.49	Open To Flow (1)
32	61.24	105.64	Shut-In(1)
77	702.40	106.26	End Shut-In(1)
79	72.22	106.08	Open To Flow (2)
138	119.06	108.29	Shut-In(2)
229	708.39	108.24	End Shut-In(2)
230	1690.27	108.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 12%M 88%W	1.68
60.00	SOMCW 2%O 18%M 80%W	0.84
50.00	MWCO 12%M 38%W 50%O	0.70

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

Job Ticket: 43936

**DST#: 2**

ATTN: Tim Lauer

Test Start: 2011.07.28 @ 00:22:44

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

92000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MCW 12%M 88%W	1.683
60.00	SOMCW 2%O 18%M 80%W	0.842
50.00	MWCO 12%M 38%W 50%O	0.701

Total Length: 230.00 ft      Total Volume: 3.226 bbl

Num Fluid Samples: 0

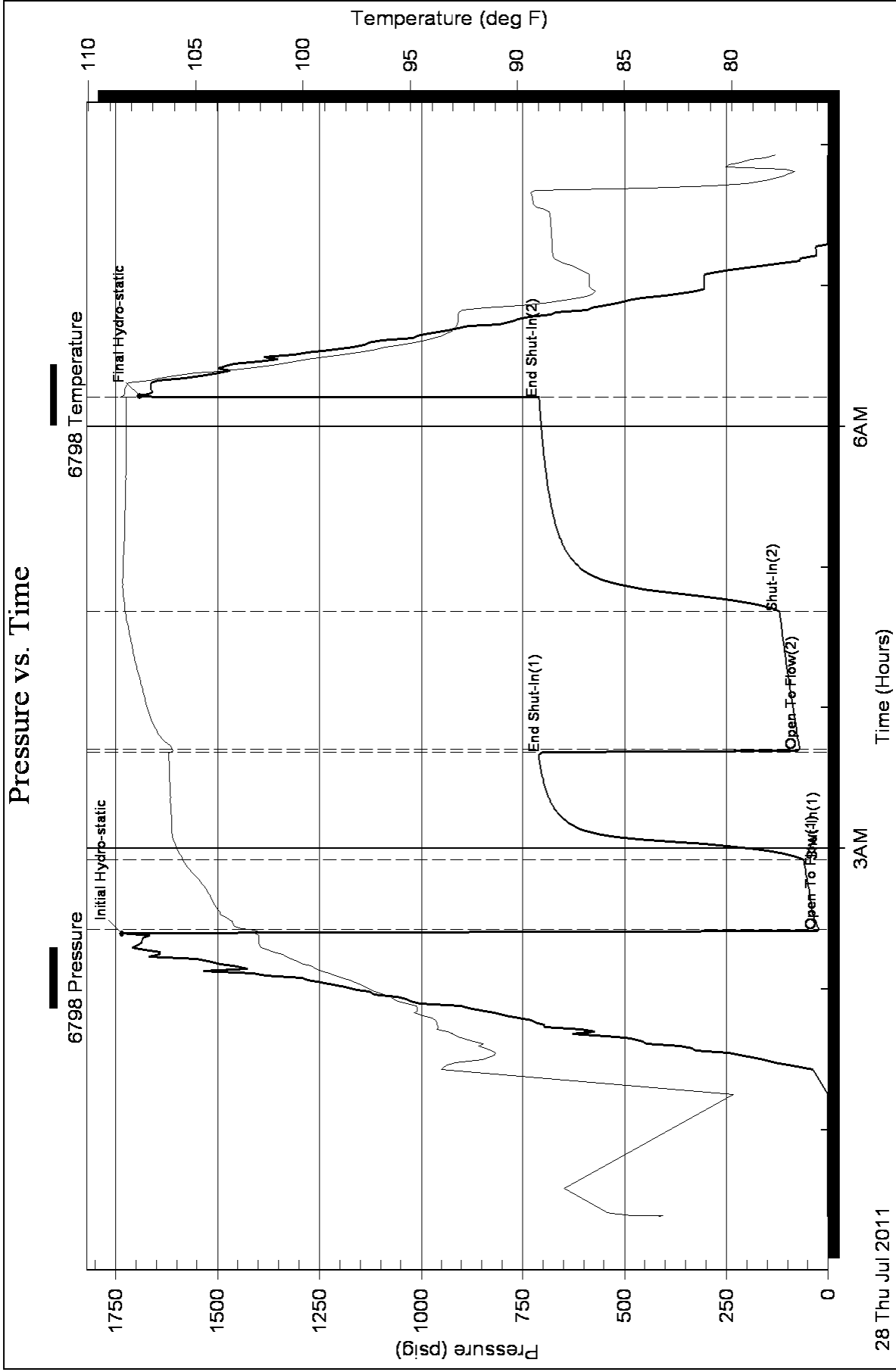
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .075 @ 80 degreeef





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

ATTN: Tim Lauer

Job Ticket: 43937

**DST#: 3**

Test Start: 2011.07.28 @ 17:09:23

## GENERAL INFORMATION:

Formation: **Lansing "J-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:05:38

Time Test Ended: 01:49:08

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

**Interval: 3590.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3660.00 ft (KB) (TVD)

1933.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 423.75 psig @ 3591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.28

End Date:

2011.07.29

Last Calib.:

2011.07.29

Start Time:

17:09:24

End Time:

01:49:08

Time On Btm:

2011.07.28 @ 19:03:08

Time Off Btm:

2011.07.28 @ 22:51:23

## TEST COMMENT:

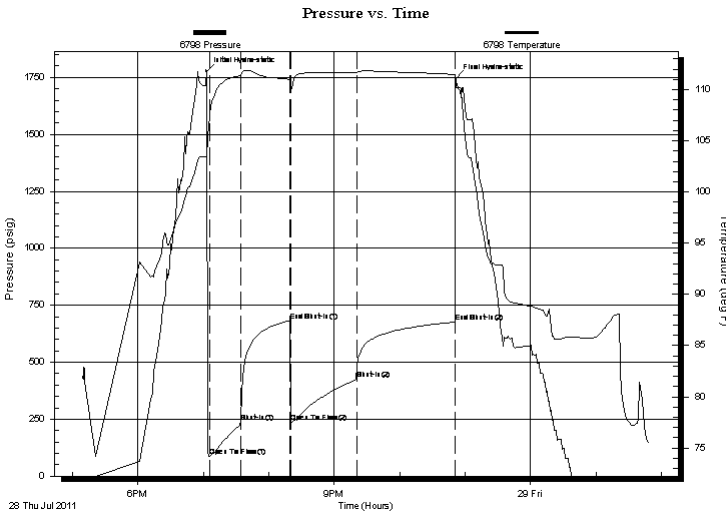
IF: Strong Blow , BOB in 30 seconds

IS: Bled Off , 1 inch Blow back, GTS in 28 minutes

FF: Strong Blow , GTS Immediate, BOB in 2 minutes, Gas w as TSTM

FS: Bled Off , 1 inch Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.62	103.56	Initial Hydro-static
3	85.04	107.19	Open To Flow (1)
31	238.80	111.39	Shut-In(1)
77	682.99	111.00	End Shut-In(1)
78	235.00	109.89	Open To Flow (2)
138	423.75	111.64	Shut-In(2)
228	676.41	111.48	End Shut-In(2)
229	1746.71	110.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2467 GIP	0.00
60.00	GOCM 20%G 30%O 50%M	0.84
1065.00	Gassy Oil	14.94

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corporation

**Spangenberg 35-1**

1600 Stout St Ste 1500  
Denver, CO 80202

**35-21S-14W Stafford**

Job Ticket: 43937

**DST#: 3**

ATTN: Tim Lauer

Test Start: 2011.07.28 @ 17:09:23

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2467 GIP	0.000
60.00	GOCM 20%G 30%O 50%M	0.842
1065.00	Gassy Oil	14.939

Total Length: 1125.00 ft      Total Volume: 15.781 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

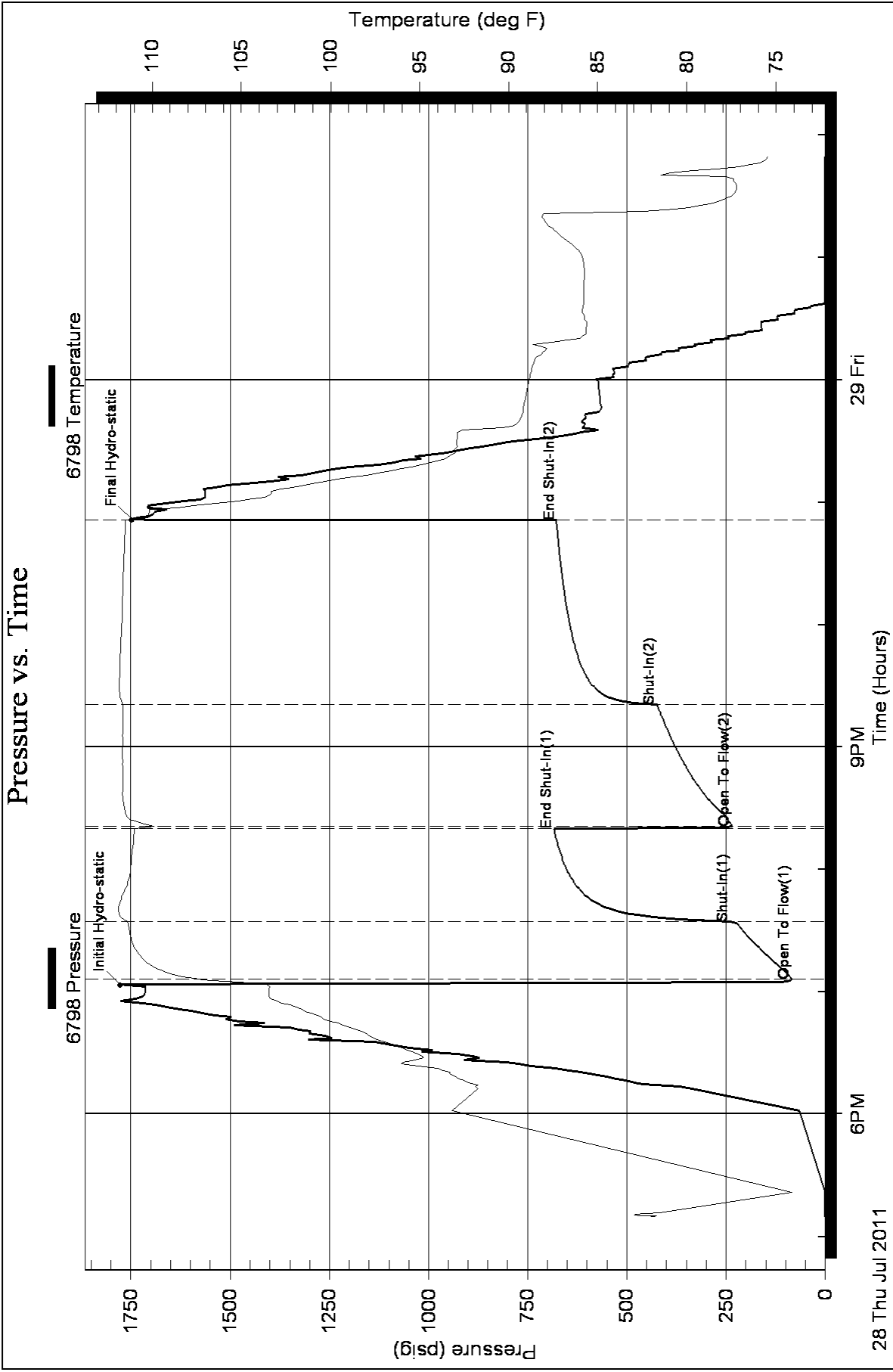
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 22.5 @ 82 degrees

### Pressure vs. Time



# Tim J. Lauer

Petroleum Geologist

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Coral Production Corporation  
 LEASE #35-1 Spangenberg  
 FIELD 330' FNL, 330' FEL, NE/4  
 LOCATION 330' FNL, 330' FEL, NE/4  
 SEC 35 TWSP 21s RGE 14w  
 COUNTY Stafford STATE Kansas  
 CONTRACTOR Maverick Drilling Rig #108  
 SPUD 7-22-2011 COMP 7-30-2011  
 RTD 3805' LTD 3798'  
 MUD UP 2825' TYPE MUD Chemical

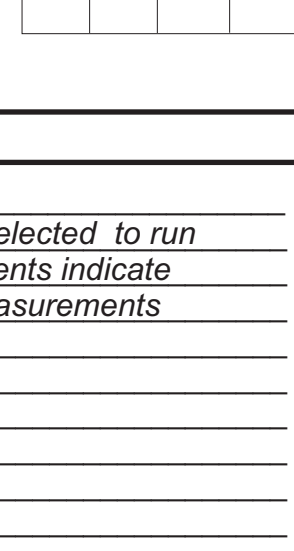
ELEVATIONS  
 KB 1942'  
 DF \_\_\_\_\_  
 GL 1933'  
 Measurements Are All From Kelly Bushing

CASING  
 CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" @ 840'  
 PRODUCTION 5-1/2" @ 3797'

ELECTRICAL SURVEYS  
Weatherford: Sonic, DPL, DIL, ML  
(Engr: Anthony Giambalvo)

SAMPLES SAVED FROM	1000'	TO RTD
DRILLING TIME KEPT FROM	1000'	TO RTD
SAMPLES EXAMINED FROM	3000'	TO RTD
GEOLOGICAL SUPERVISION FROM	2985'	TO RTD
GEOLOGIST ON WELL	Tim J. Lauer	

FORMATION TOPS	ELECTRIC LOG	SAMPLE LOG
Topoka	3010 (-1068)	3010 (-1068)
Heebner	3294 (-1352)	3300 (-1358)
Lansing	3424 (-1482)	3430 (-1488)
Base Ks. City	3646 (-1704)	3654 (-1712)
Penn Cgl	3667 (-1725)	3677 (-1735)
Viola	3694 (-1752)	3703 (-1761)
Simpson Shale	3754 (-1812)	3761 (-1819)
Arbuckle	3792 (-1850)*	3799 (-1857)
Total Depth	3798 (-1856)	3805 (-1863)



ELEVATIONS  
 KB 1942'  
 GL 1933'

COMPANY & WELL Coral Prod #35-1 Spangenberg  
 LOCATION 330' FNL, 330' FEL, NE/4  
 SEC 35 TWSP 21s RGE 14w  
 COUNTY Stafford STATE Kansas

REMARKS  
 Due to structural position and drill stem test results, operator elected to run production casing to further test the location. Log measurements indicate DST and all tops should be moved uphole 7' to match log measurements.

Respectfully submitted,  
  
 Tim J. Lauer  
 7/30/2011

Log template modified from Timothy G. Pierce

ASOTOHITI  
DRILLS TESTS

DEPTH  
SHOES

SAMPLE DESCRIPTION

REMARKS

DRILLING TIME IN MINUTES PER FOOT  
Rate of Penetration Decreases

LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite

3200  
3150  
3100  
3050  
3000  
2950  
2900  
2850  
2800  
2750  
2700  
2650  
2600  
2550  
2500  
2450  
2400  
2350  
2300  
2250  
2200  
2150  
2100  
2050  
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1100  
1050  
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450  
400  
350  
300  
250  
200  
150  
100  
50  
0

How 2933 (-991)  
 Topk 3010 (-1068)  
 L-Brk 3119 (-1159)  
 Qn Hill 3199 (-1257)  
 Hbnr 3300 (-1358)  
 Tor 3318 (-1376)  
 Br Lm 3421 (-1479)  
 Lans 3430 (-1488)  
 BKC 3654 (-1712)  
 Cong 3677 (-1735)  
 Viola 3703 (-1761)  
 Simp 3761 (-1819)  
 Arb 3799 (-1857)  
 RTD 3805' (-1863)  
 LTD 3798' (-1856)

Mud Check at 3211:  
 (After displace and int. mud-up)  
 vis: 50 wt: 8.6 Chlor: 3.600  
 LCM: # Ph: 10.5 WL: 9.6  
 (displace native fluid @ 2825')

Rig Check at 3120:  
 vis: 50 wt: 8.7 LCM: #

Rig Check at 3260:  
 vis: 53 wt: 8.9 LCM: #

Mud Check at 3510:  
 vis: 46 wt: 9.2 Chlor: 5.200  
 LCM: # Ph: 9.5 WL: 10.4

DST (1) 3470'-3510'  
 30-45-60-90  
 Blow: strong, BOB in 5' on FFP  
 no blowback on ISIP  
 strong, BOB in 10' on FFP  
 no blowback on FSIP

150' WCM  
 240' MCW  
 632' Gsy SW  
 1022' Tot. Fluid  
 IHP: 1694 FFP: 253-517  
 IFP: 37-299 FSIP: 1045  
 ISIP: 1079 FHP: 1673  
 Temp: 110°F  
 Chlorides MUD: 5,200 PPM  
 DST: 110,000 PPM  
 Rw = 0.055 Ohms @ 95°F

Mud Check at 3510:  
 vis: 46 wt: 9.2 Chlor: 5.200  
 LCM: # Ph: 9.5 WL: 10.4

DST (2) 3545'-3585'  
 30-45-60-90  
 Blow: fair to good (9') on FFP  
 no blowback on ISIP  
 fair to strong, BOB in 40' on FFP  
 no blowback on FSIP

50' M&WCO  
 60' MCW  
 120' MCW  
 230' Tot. Fluid  
 IHP: 1734 FFP: 272-119  
 IFP: 23-61 FSIP: 708  
 ISIP: 702 FHP: 1690  
 Temp: 110°F  
 Chlorides MUD: 6,000 PPM  
 DST: 92,000 PPM  
 Rw = 0.075 Ohms @ 90°F

Mud Check at 3585:  
 vis: 46 wt: 9.2 Chlor: 6,000  
 LCM: 1 1/2 # Ph: 9.5 WL: 11.2

DST (3) 3590'-3660'  
 30-45-60-90  
 Blow: strong, BOB in 30 seconds on FFP  
 (GTS, TSTM in 28' on ISIP)  
 strong, GTS in 25' on FFP  
 built to BOB in 2' on FFP  
 1' blowback on FSIP

2467' G.I.P.  
 1065' Gsy Oil  
 60' HO&OCM  
 1125' Tot. Fluid  
 IHP: 1777 FFP: 235-424  
 IFP: 85-239 FSIP: 3609.37  
 ISIP: 683 FHP: 1747  
 Temp: 111°F  
 Chlorides MUD: 6,000 PPM  
 DST: NA  
 Rw = NA

Mud Check at 3725:  
 vis: 45 wt: 8.2 Chlor: 8,000  
 LCM: # Ph: 8.0 WL: 11.2

Rot TD reached  
 12:50 PM 7/29/2011

COMPANY & WELL Coral Prod #35-1 Spangenberg  
 LOCATION 330' FNL, 330' FEL, NE/4  
 SEC 35 TWSP 21s RGE 14w  
 COUNTY Stafford STATE Kansas

ELEVATIONS  
 KB 1942'  
 GL 1933'



# 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. 5262

Date	7/30/11	Sec.	35	Twp.	21	Range	14	County	Stafford	State	KS	On Location		Finish	11:15 AM
Lease	SPANGLER BERG			Well No.	35-1			Location	Seward, 1W, 1N, 1/4W, S; into						
Contractor	Maverick Drilling Rig #108							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	Production String			Top Stage			Charge To	Local prod. Co							
Hole Size	7 7/8"			T.D.											
Csg.	5 1/2"			Depth											
Tbg. Size				Depth											
Tool	DV			Depth	1790'			City	State						
Cement Left in Csg.				Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line				Displace	4 3/4 Bbls.			Cement Amount Ordered	225 sx Q-MMC #160 sx Flocelc						

**EQUIPMENT**

Pumptrk	9	No.	Cement Helper	Paul	Common	225 Q-MMC									
Bulktrk	13	No.	Driver	David	Poz. Mix										
Bulktrk	PV	No.	Driver	Matt	Gel.										

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 50#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar #56 1790'	CFL-117 or CD110 CAF 38.
Open DV Tool	Sand
Mix 175 sx down 5 1/2"	Handling 225
Displace	Mileage
Land Plug / Close DV Tool	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Thank You!!

Pumptrk Charge	prod Long String	Top Stage
Mileage	N/C	
Tax		
Discount		
Total Charge		

X Signature 

# 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. 5261

Date	7/30/11	Sec.	35	Twp.	21	Range	14	County	Stafford	State	KS	On Location		Finish	10:15 AM	
Lease	SPANBERG			Well No.	35-1			Location	Seward, 1W, 1N, 14W, S into							
Contractor	Maverick Drilling Rig #108											Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	Production String			Bottom Stage			T.D.	3805'			Charge To	Corat Production Corp.				
Hole Size	7 7/8"			Depth	3798'			Street								
Csg. Size	5 1/2"			Depth				City								
Tbg. Size				Depth	1790'			State								
Tool	DV			Shoe Joint	22"			The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	22'			Displace	92 Bbls.			Cement Amount Ordered	200 sx Q-MDC 4# Per 5# Procell							

**EQUIPMENT**

Pumptrk	9	No.	Cementor	Paul	Common	200 Q-MDC-
Bulktrk	13	No.	Driver	David	Poz. Mix	
Bulktrk	PU	No.	Driver	Matt	Gel.	

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole 30 sx	Salt
Mouse Hole 20 sx	Flowseal 50#
Centralizers <del>1,2,4,9,11,57</del> 1,2,4,9,11,57	Kol-Seal
Baskets 7, 55	Mud CLR 48 500 gal.
D/V or Port Collar #56 1790'	CFL-117 or CD110 CAF 38
Est. Circ. 1/2 hour	Sand
Pump 500 gal. Mud Clean - 48	Handling 200
<del>Plug Rat / Mouse Hole</del>	Mileage
Mix 200 sx down 5 1/2"	5 1/2" FLOAT EQUIPMENT
Displace 100sx 14.5# / 100sx 14.5#	Guide Shoe
Land Plug	Centralizer 1 / 5 - Turbos
Float Head	Baskets 2
	AFU Inserts
	Float Shoe 1
	Latch Down
	DV-TOOL
	Pumptrk Charge
	Mileage 21

Thank You!!

X Signature

Tax  
Discount  
Total Charge

Bottom stage



# ALLIED CEMENTING CO., LLC. 037251

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend W

DATE <u>7-23-11</u>	SEG <u>25</u>	TWP <u>31S</u>	RANGE <u>14E</u>	CALLED OUT	ON LOCATION	JOB START <u>12:15 PM</u>	JOB FINISH <u>1:15 PM</u>
BASE <u>Pangenberg</u>	WELL # <u>37-1</u>	LOCATION <u>Jeward, KS 1/2 mi to</u>		COUNTY <u>Stafford</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>160 160</u>		<u>into</u>			

CONTRACTOR Mauevick #108 OWNER Coral Production

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 840

CASING SIZE 8 5/8 DEPTH 840

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.79

CEMENT LEFT IN CSG. 42.79

PERFS.

DISPLACEMENT 50.75 DR.

CEMENT

AMOUNT ORDERED 265 3/4 60/40  
390 cc 2 1/2 gal 1/4 in 10  
265 Class A 3 1/2 cc 2 1/2 gal

COMMON	<u>424</u>	@ <u>16.25</u>	<u>6,890.00</u>
POZMIX	<u>106</u>	@ <u>8.50</u>	<u>901.00</u>
GEL	<u>9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE	<u>18</u>	@ <u>58.20</u>	<u>1047.60</u>
ASC		@	
<u>1/2 Seal</u>	<u>66</u>	@ <u>2.70</u>	<u>178.20</u>
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>559</u>	@ <u>2.25</u>	<u>1,257.75</u>
MILEAGE	<u>559 x 28 x .11</u>		<u>1,106.82</u>
TOTAL			<u>11,572.62</u>

EQUIPMENT

PUMP TRUCK CEMENTER Greg D.

# 366 HELPER Wayne D.

BULK TRUCK

# 492/198 DRIVER Kenn W.

BULK TRUCK

# 341 DRIVER Kenn W.

REMARKS:

Break circ. w/ rigging  
Run 1500' water ahead  
MIX 265 3/4 60/40 70 cc 2 1/2 gal 10  
MIX 265 3/4 Class A 3 1/2 cc 2 1/2 gal  
Shut down rigging plug  
Displace 200 fresh water  
Run 500 PSI  
Cement dis circ. Shut-in  
Rig down

SERVICE

DEPTH OF JOB	<u>840</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE	<u>540</u>	@ <u>.95</u>	<u>513.00</u>
MILEAGE Touch mile	<u>36</u>	@ <u>7.00</u>	<u>252.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL			<u>1890.00</u>

CHARGE TO: Coral Production

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>Rubber Plug</u>	@ <u>112.00</u>	<u>112.00</u>
<u>Barite plate</u>	@ <u>112.00</u>	<u>112.00</u>
	@	
	@	
TOTAL		<u>224.00</u>

To Allied Cementing Co., 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 Jeremy Stuckey

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 13,686.62

DISCOUNT 20% 2,737.32 IF PAID IN 30 DAYS

10,949.30