

CONFIDENTIAL

KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/5/13

OPERATOR: License # 33937
 Name: Meridian Energy Inc.
 Address 1: 1475 Ward Cr.
 Address 2:
 City: Franktown State: CO Zip: 80116 +
 Contact Person: Neal LaFon
 Phone: (303) 688-4022
 CONTRACTOR: License # 33905
 Name: Royal Drilling Inc.
 Wellsite Geologist: Neal LaFon
 Purchaser: Plains Marketing LLC

API No. 15 - 15-051-26077-00-00
 Spot Description:
 NW SE SW SW Sec. 35 Twp. 13 S. R. 19 East West
 510 Feet from North / South Line of Section
 920 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Ellis
 Lease Name: Staab Well #: 1

Field Name:
 Producing Formation: Kansas City
 Elevation: Ground: 2178 Kelly Bushing: 2187
 Total Depth: 3898 Plug Back Total Depth:
 Amount of Surface Pipe Set and Cemented at: 238 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: 1416 Feet
 If Alternate II completion, cement circulated from: 1416
 feet depth to: 0 w/ 350 sx cmt.

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #:
 2/16/2011 2/24/2011 3/31/2011
 Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit)
 Chloride content: 45000 ppm Fluid volume: 50 bbls
 Dewatering method used: evaporated
 Location of fluid disposal if hauled offsite:
 Operator Name:
 Lease Name: License #:
 Quarter Sec. Twp. S. R. East West
 County: Permit #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.
 Signature: *Neal LaFon*
 Title: President Date: 5/5/2011

KCC Office Use ONLY

Letter of Confidentiality Received
 Date: 5/5/11 - 5/5/13
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
 ALT I II III Approved by: *MM* Date: 5-11-11

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Operator Name: Meridian Energy Inc. Lease Name: Staab Well #: 1
 Sec. 35 Twp. 13 S. R. 19 East West County: Ellis **CONFIDENTIAL**

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1470	+714
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elmont	3067	-883
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Arbuckle	3880	-1696
List All E. Logs Run: Dual Induction Microresistivity (microlog) Sonic Cement Bond log Dual Compensated Porosity		Topeka	3189	-1005
		Heebner	3445	-1261
		Toronto	3470	-1286
		Kansas City	3492	-1308

CASING RECORD <input checked="" 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
Production	8.875	4.5	10.5	3895	Class A	170	10% salt 5%kolseal
surf		8.625		237		160	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1416	Class A	350	10% salt, 5% kolseal

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
4	3808-3814		
4	3669-3674		
4	3547-3550		

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TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>3500</u>	Packer At: <u>no pkr</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3/31/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio <u>32</u>

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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ALLIED CEMENTING CO., LLC. 034106

REMIT TO PO BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Russell, KS.

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DATE <u>2-17-2011</u>	SEC <u>35</u>	TWP <u>13 S</u>	RANGE <u>19 W</u>	CAL <u>CONFIDENTIAL</u>	LOCATION	JOB START <u>AM</u>	JOB FINISH <u>1:45 PM</u>
LEASE <u>STAAR</u>	WELL <u>1</u>	LOCATION <u>Hwy 3 Ks. Golf Course Rd.</u>			COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				TWIN TATE			

CONTRACTOR <u>Royal Pkg Rig #1</u>	OWNER
TYPE OF JOB <u>Cement Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>238</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>237</u>
TUBING SIZE <u>4 1/2</u>	DEPTH <u>230</u>
DRILL PIPE <u>4 1/2</u>	DEPTH <u>230</u>
TOOL <u>4 1/2</u>	DEPTH <u>230</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15</u>	
PERFS	
DISPLACEMENT <u>14 1/4 / RBL</u>	
CEMENT	AMOUNT ORDERED <u>160 S&C OMI</u>

EQUIPMENT

PUMP TRUCK CEMENTER Glenn

39A HELPER RON

BULK TRUCK

226 DRIVER MARK

BULK TRUCK

DRIVER

COMMON	@
POZ MIX	@
GEL	@
CHLORIDE	@
ASC	@
HANDLING	@
MILEAGE	@

REMARKS:

Royal Pkg Rig #1 575 879 Hwy 3

Shot in @ 250 #

Displacement

14 1/4 / RBL

MARK'S

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DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
TOTAL	

CHARGE TO Meridian Energy Inc

STREET

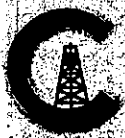
CITY STATE ZIP

To Allied Cementing Co. LLC

You are hereby requested to rent cementing equipment

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@



CONSOLIDATED
Oil Well Services, LLC

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

W112
KCC
MAY 05 2011

TICKET NUMBER 30805
LOCATION Oakley, Ks
FOREMAN Pat Heister

FIELD TICKET TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-24-11		Stark #	35	13 ^s	19 ^w	Ellis
CUSTOMER Meridian Energy Inc			ACCOUNTS 45 1 1/2 E			
MAILING ADDRESS 1475 N. Ward Cr			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Franktown			463	milas Shum		
STATE Co			588	Tosh Gudek		
ZIP CODE 80116			466-TDS	Kim		

JOB TYPE Prod - DV HOLE SIZE 7 1/8 HOLE DEPTH 3895' CASING SIZE & WEIGHT 4 1/2 10.5#
CASING DEPTH 3888' DRILL PIPE _____ TUBING _____ OTHER DV 2 1419
SLURRY WEIGHT 14.5-128 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 21
DISPLACEMENT 63 BBL DISPLACEMENT PSI 700# MIX PSI _____ RATE 5-6 BPM

REMARKS: Safety Meeting, run Float Equipment, Port #1-4-6-8-10-12-14-16-18-20-60, Baskets on #1-4-79, DV Tool on #1, Rig up to casing, circ 1 Hr, Pump 20 BBL KCl, 500 gal mud flush, Mix 170 sks com, 10% salt, 5# Kalsol, 25% DeFoamer, Clear Pump + Lines, Displace Plug w/ 40 BBL H₂O & 23 BBL mud @ 700#, bander, Phys @ 1500#, release Pressure, Float Hotel, open DV Tool circ 1 Hr, Put 30 sks in #1, 20 sks in #11, Pumped 20 BBL KCl, mixed 350-sks 69% com, 8% salt, 14# Flu Sol, Clear Pump + Lines, Displace 23 BBL H₂O @ 700#, Landad Plug @ 2000#, release Pressure, Tool Hotel, Thank You
Cement to surface - Approx 25 BBL Pat + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	2850 ⁰⁰	2850 ⁰⁰
5406	30	MILEAGE	5 ⁰⁰	150 ⁰⁰
1104	170 - SKS	class A cement	16 ⁸⁰	2,856 ⁰⁰
1131	400 - SKS	60/40gr	14 ³⁵	5,740 ⁰⁰
1118-B	2752 #	Barite	124	6,600 ⁰⁰
1110A	850 #	Kalsol	53	4505 ⁰⁰
111	1792 #	Salt	142	33264 ⁰⁰
1107	100 #	Flu-Sol	266	266 ⁰⁰
1142	4 Gal	KCl	3570	14280 ⁰⁰
	500 gal	mud flush	100	500 ⁰⁰
4161	1	AFH Float shoe	342 ⁰⁰	342 ⁰⁰
4179	11	Controlizers	4100	5006 ⁰⁰
4103	3	Baskets	26100	783 ⁰⁰
4276	1	DV Tool	2760 ⁰⁰	2760 ⁰⁰
5407A	25.19	Tan mileage Delivery	158	1,194 ⁰⁰
1146	40#	DeFoamer	972	3888 ⁰⁰
			19921 ⁷⁴	
		Loss 20% Disc -	3,984 ³⁵	
				15,937 ³⁵
			SALES TAX	
			ESTIMATED TOTAL	

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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.



PIPE TALLY

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Meridian Energy Inc.

Date 2/16/11

Company

Stab # 1
Lease

	8.5/8 Size		New		Used		Limited Service		Weight		Grade		Type		Range	
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	45	20														
2		80														
3		80														
4		80														
5		80														
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
Total	228	40														

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516
Total Number of Joints

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Subtotal this page

Tallied By

228.40

GRAND TOTAL

Travis M... [Signature]

Received In Good Order By

Casing Head & Accessories

Other

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."

WELL REPORT

**Well: Meridian Energy Inc. #1 Staab
Approx. SW SW Section 35
510' FSL x 920' FWL
T. 13 S., R. 19 W.
Ellis County, Kansas**

**Elevation: GL 2178
KB 2184**

**Total Depth: Driller 3895
Logger 3898**

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Date spudded: 2/19/11

Date completed: 2/24/11

Drill Stem Test: 2 tests- Kansas City C-G, and J zone.

Results: Ran pipe to further evaluate.

Drilling Contractor: Royal Drilling, Rig 1

Mud Contractor: Andy's Mud

Logs Run: DIL/CNL/FDC Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

FORMATION TOPS

Anhydrite	1470	+714
Elmont	3067	-883
Howard	3137	-953
Topeka	3189	-1005
Heebner	3445	-1261
Toronto	3470	-1286
Kansas City A	3492	-1308
BKC	3744	-1560
CONG	3782	-1598
ARB	3880	-1696
	TD 3898	

SAMPLE DESCRIPTIONS

Unlagged 30' samples then 10' as noted

**2860 Ls, brn, f xtln, some vf oolitic, no por, no show
2900 Ls, wt, f xtln, no por, no show
2920 shaly
2940 shaly**

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2950 Ls, dk gray-blk, micro xtn, dirty, no por, no show
 2970 Ls, brn, f xtn, hard, no show
 2980 Ls, a/a some med-coar xtn, foss, hard, no show
 2990 Ls, gray, micro xtn, lots shaly ls, hard, no show
 3000-3040 shaly
 3050 Ls, lt brn, f-m xtn, hard, no show
 3060 Ls a/a
 3070 shaly

Samples Lagged to log tops

Elmont	3067-3086 Ls, gray, f-coar xtn, foss, hard, no show 3090-3102 Ls, buff- gray, micro xtn, hard, no show 3108-3128 Ls, buff, f xtn, hard, no show
Howard	3137-3163 Ls, brn, m xtn, hard, no show
Topeka	3189-3204 Ls, buff, foss, f xtn, hard, no show 3207-3232 Ls, gray, micro xtn, hard, no show 3234-3250 Ls, wt, chalky, soft, high por, no show Ls, wt, vvf xtn, soft, no show 3260-3270 Ls, gray, dirty, micro xtn hard, no show 3270-3290 Ls, buff, f-m xtn, hard, no show 3300-3310 Ls, wt, chalky, vvf xtn, soft, no show 3324-3332 Ls, gray, f-m xtn, hard, no show 3332-3366 Ls, wt-lt gray, micro xtn, hard, no show 3377-3400 Ls, gray, vf-f xtn, hard, no show some ls, wt vvf xtn, sucrosic, soft/chalky, no show 3410-3420 Ls, wt, f xtn/grnstn, w/f-gd por, sl brn stn, sl odor, tr w/patchy VSSF0, lloks wet , one piece with FSFO when crushed. Show of oil. 3420-3432 Ls, gray, micro xtn hard, no show 3432-3434 Ls, brn, f-m xtn, patches w/dead oil stn/bitumen 3434-3444 Ls, gray, micro xtn, hard, no show
Toronto	3470-3484 Ls, brn, f xtn, patch dead soft bitumen, NSFO
Kansas City A	3492 Ls, wt, micro xtn, hard , no show
B	3500-3508 one grn ls, wt, m xtn, foss, pinpt vug por, p-f por, oil stn VSSF0, poor show on break, rest Ls, gray, micro xtn, hard, no show
C	3517-3530 Ls, wt, m xtn, good pin pt vug por, "druzy cmt", gd stn, some SFO on break, not a lot of quantity, but good qual. (oil droplets in cups)
	Couple grns, ls, micro xtn, gd vug por, gd blk stn, GSFO p-f por.

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- D** 3535-3548 Ls, wt, m xtl, inter gran ppin pt vug por, FSFO on break, gd stn, p-f por, overall a good show
- D'** 3548-3552 shows in samples probably correlate back to this zone as E-F zones appear tight- Ls, wt, m grnstn, p-f vug por, GSFO when crushed, gd blk stn, gd odor, fairly good show.
- E** 3558-3566 Ls, wt, micro xtl, w patchy, vug por, blk stn, GSFO.
- G cfs** 3566-3573 Ls, wt, oolitic, one grn w por, sl stn NSFO
Few grns, ls, wt, med grnstn, v. exc vug por, blk stn,
Trace with FO, poor show
- G** 3575-3600 Ls, wt, oolitic grnstn, compacted/cmtd, tr pin pt intergran por, tr patchy vug por, overall poor p and p, sl stn, tr FO, poor SFO, tite rock, some free oil on break.
- 3600-3612 Ls, wt-gray, mocro xtl, hard, no show
- H** 3623-3641 Ls, wt, micro xtl, and f-m xtl, hard no show, couple grns, ls, wt, med xtl, wgd vug por, drizzly, looks wet, v lt brn stn, poor show of oil.
- I** 3642-3658 Ls, wt, micro xtl, hard, tite no show
Couple grns brn, grnstn, cemented, w/ dead stn.
- J** 3666-3683 Ls, wt, oolitic, exc oomoldic por, blk stn, exc odor bleeding oil, exc SFO. Pay zone.
- K** 3688-3706 Ls, wt, micro xtl, tt ns
- L** 3712-3730 Ls, wt, f xtl - micro xtl, hard, tite, no show
Microlog indicates 2' @ 3713 although I did not see any shows over this interval.
- Base KC** 3740-3766 Shale, red/purple
- 3766-3776 Ls, wt, micro xtl, hard, tite, no show
one grn ls, gray, micro xtl, w tr/ vug por blk stn NSFO.
- Cong** 3782-3798 Chert, red, w vug por, blk stn, GSFO
Couple grns, weathered tripolitic w/ dead oil, "granular" looking, vvf pinpt por.
- 3798-3815 Chert, weathered/tripolitic with dead stn, some black oolitic chert w/ dead bitumen, some chert, wt, patches of trip chert w/dead stn, overall predominately dead oil/bitumen (cfs @ 3815)

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Trace, chert, tripolitic w/ gd bleeding oil, hard,
vfv "granular" bleeding oil exc SFO.

3815-3880 Chert a/a, w/dead oil

Arbuckle 3880-3895 Dolo, wt, f xtl, hard, tite No show.

MUD RECORD

2/19/11 @2845	MW 8.6	VIS 79	WL 8.0	MC 1/32
2/20/11 @3254	MW8.9	VIS 69	WL 8.0	MC 1/32
2/21/11 @3575	MW 9.3	VIS 57	WL 9.4	MC 1/32
2/22/11 @3620	MW8.9	VIS 56	WL 8.0	MC 1/32
2/22/11 @ 3704	MW 9.1	VIS 62	WL 8.8	MC 1/32
2/23/11 @3828	MW9.1	VIS 62	WL 8.8	MC 1/32

DEVIATION SURVEYS

2/17/11 @ 238 1/2 degree
2/21/11 @ 2575 1/4 degree

DRILL STEM TESTS

Dst #1- 3508-3575 OP 5 SI45 OP 90 SI90 Good test
FP 157-198 201-443
SIP 590-536

Rec- 127' OCWM (10%oil,20% water, 70% mud)
496' MW/vsso (80% water, 20% mud)
248' W (chlorides 190,000 ppm, mud filtrate 4800)

Blow- IF- strong blow bob in 3"
ISI- weak blow died 12"
FF- strong blow bob in 4"
FSI- dead

Dst #2- 3655-3704 OP 2 SI45 OP 90 SI90 Good test
FP 32-37 35-58
SIP 766-738

Rec 543' GIP
15' MCO (60% oil, 40% mud) gravity 31 degrees
62' HOGCM (45% gas, 40% oil, 15% mud)

Blow- IF- weak blow built to 1 1/4 "
ISI- weak blow back
FF- Good bob 8"
FSI- weak blow back built to 1/8 "

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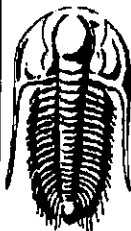
COMMENTS

1. Minor shows in Topeka- looked wet in samples and log.
2. Good shows in C, D, D' and possibly E and F. Log shows some good microlog perm over some of these intervals- the shows were good quality, lots of free oil. Should be tested prior to abandonment as they should contribute some oil- DST did not adequately test the zones because the G porosity was opened up on the test. The following look interesting- 3519-20, 3527-28, 3535-37, 3549-50) Log did not reveal anything in E and F zones but none-the-less there appeared to be some shows over this interval.
3. J zone drill stem tested oil, excellent shows in low perm rock. Looked like pay.
4. Cong-chert zones from 3782-3798 had lots of shows, mostly dead oil/bitumen. There was a trace of tripolitic chert, with exc show of free bleeding oil. If there is enough thickness of this zone it could produce. I believe the zone lagged back to about 3808-3812, as samples were circulated up at 3815 and this is where the live oil was first seen. This zone has some resistivity.

Ran pipe to further test the J zone.

Neal La Fon
Geologist
Franktown, CO
2/26/11

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridan Energy, Inc
1475 N Ward Cr
Franktown Co 80116
ATTN: Neal Lafon

Staab #1
35-15s-19w/Ellis
Job Ticket: 041749 **DST#: 1**
Test Start: 2011.02.21 @ 11:03:36

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: 190000 ppm	
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

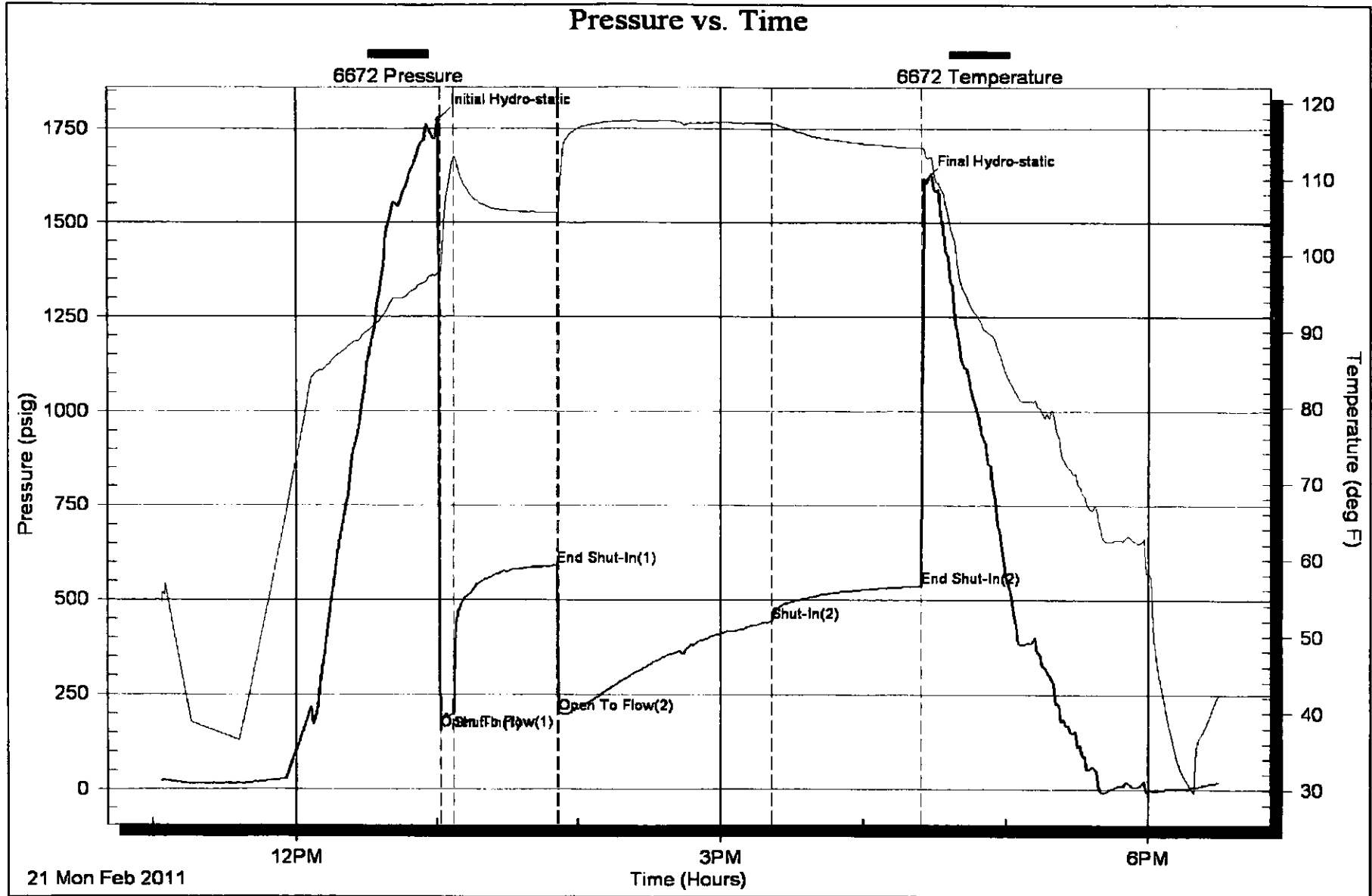
Length ft	Description	Volume bbl
248.00	Water	3.479
496.00	MV with a scum of oil 20%M80%W	6.958
127.00	OCWM 10%O20%W70%M	1.781

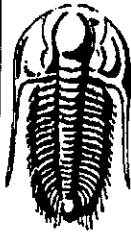
Total Length: 871.00 ft Total Volume: 12.218 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Meridan Energy, Inc
1475 N Ward Cr
Franktown Co 80116
ATTN: Neal Lafon

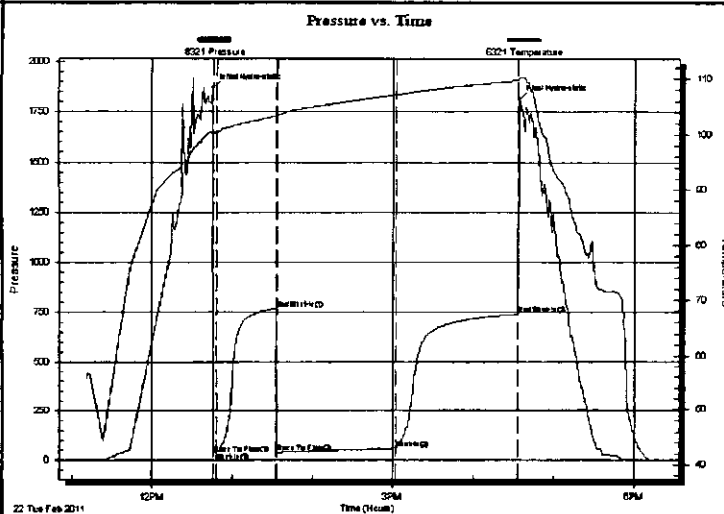
Staab #1
35-15s-19w/Ellis
Job Ticket: 041750 **DST#: 2**
Test Start: 2011.02.22 @ 11:11:30

GENERAL INFORMATION:

Formation: **LKC-J**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 12:45:30
Time Test Ended: 18:12:30
Interval: **3655.00 ft (KB) To 3704.00 ft (KB) (TVD)**
Total Depth: **3704.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **44**
Reference Elevations: **2205.00 ft (KB)**
2200.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8321 Outside
Press@RunDepth: **58.00 psig @ 3660.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.02.22** End Date: **2011.02.22** Last Calib.: **2011.02.22**
Start Time: **11:11:31** End Time: **18:12:30** Time On Btm: **2011.02.22 @ 12:45:00**
Time Off Btm: **2011.02.22 @ 16:34:00**

TEST COMMENT: IFP=Weak blow built to 1 1/4 in
IS=Weak surface blow back
FFP=Good blow BOB in 8 min
FS=Weak surface blow back built to 1/8 in



PRESSURE SUMMARY

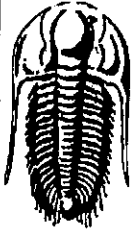
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.15	100.37	Initial Hydro-static
1	32.26	99.89	Open To Flow (1)
3	36.70	100.26	Shut-In(1)
48	765.83	103.32	End Shut-In(1)
49	35.03	103.29	Open To Flow (2)
138	58.00	107.13	Shut-In(2)
228	738.17	109.71	End Shut-In(2)
229	1812.58	110.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MCO 40%M60%O	0.21
62.00	HOCGM 15%M40%O45%G	0.87
0.00	543 GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 041750 **DST#: 2**
Test Start: 2011.02.22 @ 11:11:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MCO 40%M60%O	0.210
62.00	HOCGM 15%M40%O45%G	0.870
0.00	543 GIP	0.000

Total Length: 77.00 ft Total Volume: 1.080 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

