

ALT ☐ I ☒ II ☐ III Approved by: Deanna Garrison Date: 08/22/2012



1091068

Operator Name: D. E. Exploration, Inc. Lease Name: Garberg Well #: AI-111
 Sec. 4 Twp. 19 S. R. 24 ☒ East ☐ West County: Miami

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 ☐ Yes ☒ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No

Electric Log Submitted Electronically ☒ Yes ☐ No
 (If no, Submit Copy)

List All E. Logs Run:

Gamma Ray/Neutron/CCL

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum
 Wayside 168 +649

CASING RECORD ☐ New ☒ 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
Surface	9.875	7	20	22	Portland	3	NA
Production	5.625	2.875	6	249	50/50 Poz	39	See Ticket

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 (Amount and Kind of Material Used)	Depth
3	168-178 - 31 Perfs - 2" DML RTG		

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

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	_____

Commenced Spudding:
7/2/2012

[illegible]

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave

* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

*C - Shaft Center Distance

D - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. 121-111

Farm Garber's

KS Missouri
(State) (County)

4 19 24
(Section) (Township) (Range)

For DE Exploration
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Garvey Farm: M. C. N. County

KS State; Well No. A1-111

Elevation 617

Commenced Spuding 7-2 2012

Finished Drilling 7-5 2012

Driller's Name Chad Weaver

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Brandon Stone

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

4 19 24

(Section) (Township) (Range)

Distance from S line, 4485 ft.

Distance from E line, 2755 ft.

9983-9987 - 4hrs

3- Seals
**CASING AND TUBING
RECORD**

10" Set _____ 10" Pulled _____

7" Set 22' 8" Pulled

6 1/4" Set _____ 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

27/Sept 249.3 2" Pulled

279 TD

CASING AND TUBING MEASUREMENTS

[illegible]



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 251111

Invoice Date: 07/11/2012 Terms: 0/0/30,n/30

Page 1

D.E. EXPLORATION
DOUG EVANS
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

GARBERG AI-111
37360
4-19-24
07-05-2012
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	39.00	10.9500	427.05
1118B	PREMIUM GEL / BENTONITE	166.00	.2100	34.86
1111	SODIUM CHLORIDE (GRANULA	75.00	.3700	27.75
1110A	KOL SEAL (50# BAG)	195.00	.4600	89.70
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00

Description	Hours	Unit Price	Total
368 CEMENT PUMP	1.00	1030.00	1030.00
368 EQUIPMENT MILEAGE (ONE WAY)	40.00	4.00	160.00
368 CASING FOOTAGE	249.00	.00	.00
370 80 BBL VACUUM TRUCK (CEMENT)	2.50	90.00	225.00
510 MIN. BULK DELIVERY	1.00	350.00	350.00

Parts:	630.99	Freight:	.00	Tax:	47.63	AR	2443.62
Labor:	.00	Misc:	.00	Total:	2443.62		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4814



FIELD TICKET & TREATMENT REPORT CEMENT

FOREMAN Alan Mader

REMARKS: Held crew meet. Established rate. Mixed & pumped 1/2 gal poly. mer. Circulated into new pit to condition well. Mixed & pumped 100# gel followed by 39 sk 52152 Cement plug 5# Kal seal, 5 1/2 gal 2 1/2 gal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.

TOS, Chad

Allen Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	40	MILEAGE		160.00
5402	249	Casing Footage		—
5407	min	ten miles		350.00
5502L	2 1/2	80 gal		225.00
1124	39	gal cement		427.05
1118B	1166 #	gel		34.86
1111	75 #	Sgt		27.75
1110A	195 #	Kal seal		89.70
1401	1/2 gal	polymer		23.63
4402	1	2 1/2 plyg		28.00
			SALES TAX	47.14

Baym 3737

Mo Company rep.

25111

AUTHORIZATION

Jim OK'd

TITLE

DATE _____

**ESTIMATED
TOTAL**

2443 62

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