

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34320
Name: LASSO ENERGY LLC
Address 1: P.O. BOX 465
Address 2: 1125 SOUTH MAIN
City: CHASE State: KS Zip: 67524 + 0465
Contact Person: BRUCE D. KELSO, ENGINEER
Phone: (918) 633-9655
CONTRACTOR: License # MIKE'S TESTING AND SALVAGE 31529
Name: MIKE D. KELSO
Wellsite Geologist: BRUCE D. KELSO
Purchaser: NCRA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other OWWO
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: FOUNDATION ENERGY MANAGEMENT LLC
Well Name: HABIGER #2
Original Comp. Date: 5/16/1968 Original Total Depth: 3669'
 Deepening Re-perf. Conv. to Enhr. Conv. to SWD
 Plug Back: 3669' Plug Back Total Depth
 Commingled Docket No.: D-14375 (OLD DOC.#)
 Dual Completion Docket No.:
 Other (SWD or Enhr.?) Docket No.:
3/1/2010 4/21/2010 4/29/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 159-19210-00-02
Spot Description: C S2 SW SW
SE SW SW SW Sec. 12 Twp. 18 S. R. 10 East West
317 Feet from North / South Line of Section
4713 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: RICE
Lease Name: HABIGER Well #: 2
Field Name: BREDFELDT WEST
Producing Formation: ARBUCKLE (DISPOSAL FORMATION)
Elevation: Ground: 1740 Kelly Bushing: 3
Total Depth: 3669 Plug Back Total Depth: 3669
Amount of Surface Pipe Set and Cemented at: 195 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: - Feet
If Alternate II completion, cement circulated from: 195
feet depth to: SURFACE (0') w/ 150 ^{sx crnt.}

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 15000 ppm Fluid volume: 200 bbls
Dewatering method used: PUMPED
Location of fluid disposal if hauled offsite:
Operator Name: LASSO ENERGY LLC
Lease Name: HABIGER #2 License No.: 34320
Quarter SW Sec. 12 Twp. 18 S. R. 10 East West
County: RICE Docket No.: N/A

WOB - Dlg - 5/7/10

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.

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: *[Signature]*
Title: ENGINEER Date: 4/29/2010
Subscribed and sworn to before me this 4th day of May,
20 10.
Notary Public: *[Signature]*
Date Commission Expires: _____

NOTARY PUBLIC - State of Kansas
IRENE HERZBERG
My Appt. Exp. 8-24-13

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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KANSAS CORPORATION COMMISSION
MAY 07 2010
CONSERVATION DIVISION
WICHITA, KS

Operator Name: LASSO ENERGY LLC Lease Name: HABIGER Well #: 2
 Sec. 12 Twp. 18 S. R. 10 East West County: RICE

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: GAMMA RAY - 4/23/10 - LOG TECH	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>ANHY</td> <td>437</td> <td>+1303</td> </tr> <tr> <td>B/ANHY</td> <td>453</td> <td>+1287</td> </tr> <tr> <td>DOUG</td> <td>2811</td> <td>-1071</td> </tr> <tr> <td>BRLM</td> <td>2889</td> <td>-1149</td> </tr> <tr> <td>LANS</td> <td>2911</td> <td>-1171</td> </tr> <tr> <td>BKC</td> <td>3185</td> <td>-1445</td> </tr> <tr> <td>ARBUCKLE</td> <td>3270</td> <td>-1530</td> </tr> </tbody> </table>	Name	Top	Datum	ANHY	437	+1303	B/ANHY	453	+1287	DOUG	2811	-1071	BRLM	2889	-1149	LANS	2911	-1171	BKC	3185	-1445	ARBUCKLE	3270	-1530
Name	Top	Datum																							
ANHY	437	+1303																							
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LANS	2911	-1171																							
BKC	3185	-1445																							
ARBUCKLE	3270	-1530																							

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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
SURFACE	12 1/4"	8 5/8"	28.0	195'	COM	150	NONE
OLD PRODUCTION	7 7/8"	4 1/2" (NEW/USED)	9.5	3281'	COM	525	NONE
PRODUCTION	3 7/8"	3 1/2" (NEW)	9.3	3246'	60/40	300	NONE

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	-	-	-	SEE ATTACHED DIAGRAM
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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
OPEN HOLE	3281' - 3669' OPEN HOLE	1000 GAL 28% DOUBLE FE ACID	3281'-3669'
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		CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD: Size: <u>2 1/16" DUROLINE</u> Set At: <u>3231'</u> Packer At: <u>3231'</u> Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--

Date of First, Resumed Production, SWD or Enhr. TBD AFTER SWD PERMIT IS GRANTED	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)
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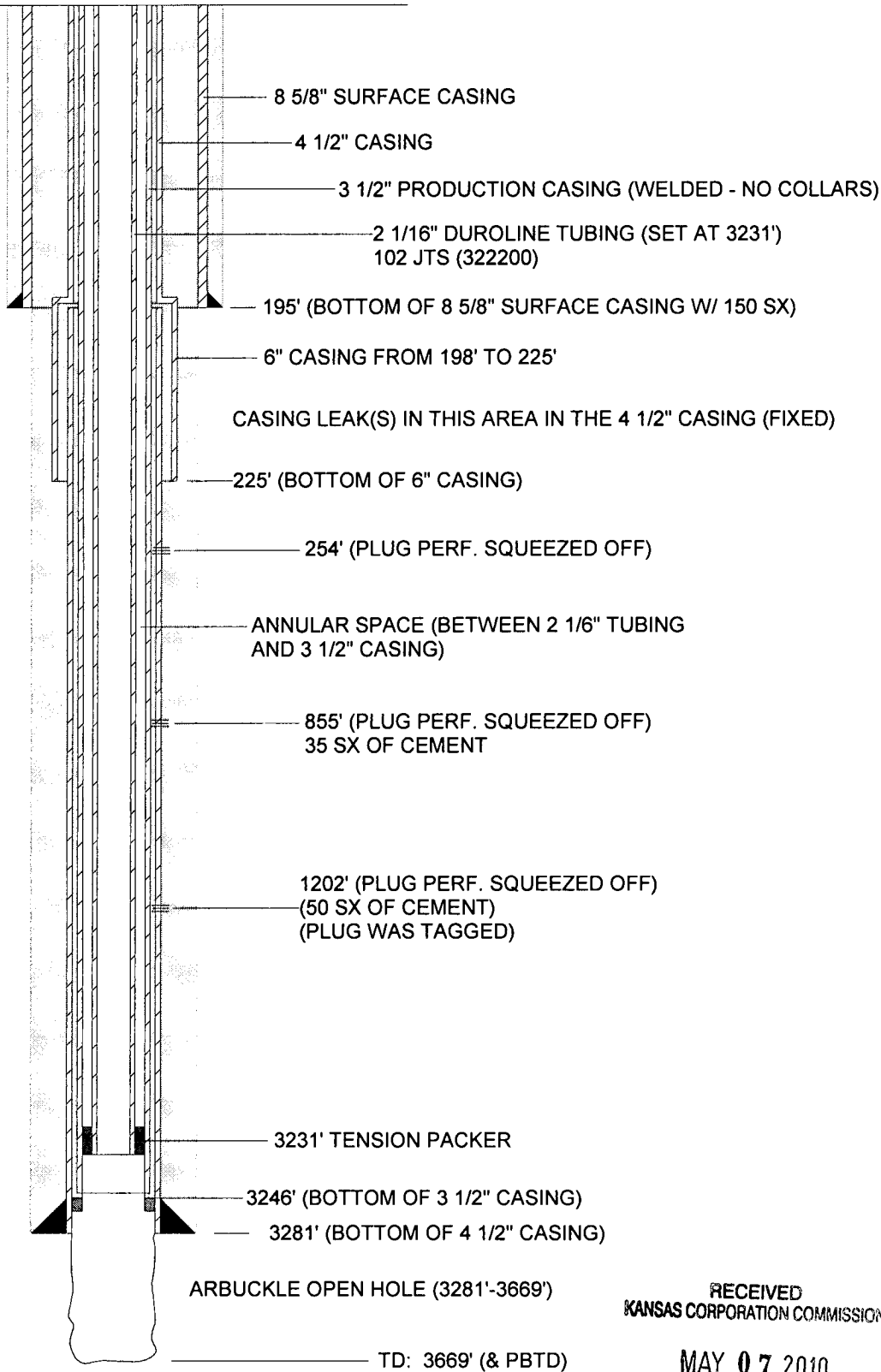
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio <u>0</u>	Gravity <u>0</u>
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input checked="" type="checkbox"/> Other (Specify) <u>3 1/2" LINER RAN IN</u>	PRODUCTION INTERVAL: <u>OH 3281 - 3669' DISPOSAL</u>
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1740'

TOP OF CEMENT AT SURFACE

GEOLOGIST REPORT



SCALE: N/A			DRAWN: BK 4/29/10
JOB No:	NAME: HABIGER #2		
REV.			

REVISION	
DESCRIPTION	
JOB No:	
REV.	

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WICHITA, KS

GEOLOGIST REPORT

LASSO ENERGY LLC #2 HABIGER (OWWO) 12-18S-10W
C S2 SW SW

Contractor: Mike's Testing and Salvage
Geologist: Bruce D. Kelso

County: Rice
Pool: Bredfeldt West

Elevation: 1740 DF Cm: 3/1/2010 Cp. 4/29/2010 IP: SWDW/ARB
3281'-3669'

Casing: 8 5/8" 195', 4 1/2" 3281', 3 1/2" 3246'

Old Information: Was SACO Oil Co, #2 Habiger, Comp. 5/1/45, D&A/ARB N.S.

Old Information: Was Alpine Oil and Royalty Co, Inc, #2 Habiger, Comp 5/16/86, CO & DD to 3669' TD in Arbuckle, Set 4" @ 3281', CO & Acid 5000 gals, input 8 BW per minute.

New Information: Lasso Energy LLC drilled out P&A well to 3669'. Ran 3 1/2" welded in liner to 3246'. Set packer at 3231'. Tubing size 2 1/16" IJ Duroline. Held 365 psig MIT, input 5 BW per minute.

Log Tops (New)	Depth	Datum
ANHY	437	+1303
B/ANHY	453	+1287
TOP	2505	-765
KIND	2598	-858
QH	2683	-943
HEEB	2776	-1036
TOR	2791	-1051
DOUG	2811	-1071
BRLM	2889	-1149
LANS	2911	-1171
BKC	3185	-1445
ARB	3270	-1530
LTD	3667	-1927
RTD	3669	-1929

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TREATMENT REPORT

Acid Stage No.

Date: 4-26-10 District: G.R. F. O. No.: C36509
 Company: Case Oil
 Well Name & No.: 12122-5410
 Location: _____ Field: _____
 County: Rice State: KS

Casing: Size: 4 1/2" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size: 3 1/2" Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T. D. _____ ft. P. L. to _____ ft.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Breakdown	Bbl. /Gal.			
	Bbl. /Gal.			
	Bbl. /Gal.			
	Bbl. /Gal.			
Flush	Bbl. /Gal.			
Treated from	ft. to	ft.	No. ft.	
from	ft. to	ft.	No. ft.	
from	ft. to	ft.	No. ft.	

Actual Volume of Oil/Water to Load Hole: _____ Bbl. /Gal.

Pump Trucks. No. Used: Std 316 Sp. _____ Twin _____
 Auxiliary Equipment: 327
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____

Company Representative: Russ Kelsa Treater: Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
<u>2:00</u>	<u>-</u>	<u>327</u>		<u>On location.</u>
:				
:				
:				<u>Check circulation w/ water.</u>
:				<u>mix 300 sts. 67 lbs. per.</u>
:				
:				<u>Displace w/ 32 bbls @ 4 1/2 bpm</u>
:				<u>@ 1200' Plug landed @ 1600'</u>
:				<u>Cement circulated out 4 1/2" & 5 1/2"</u>
:				<u>and 5 1/2" & 5 7/8"</u>
:				
:				
:				
:				
:				<u>Thank You!</u>
:				<u>Nathan W.</u>
:				
:				
:				
:				
:				
:				
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:				
:				
:				
:				
:				

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TREATMENT REPORT

Acid Stage No.

Date 4-29-10 District G.B. F.O. No. C 36514
 Company Case Energy
 Well Name & No. Deligo 2W
 Location _____ Field _____
 County Rice State KS

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____

Casing: Size 4 1/2 Type & Wt. _____ Set at _____ ft.
 Formation _____ Perf. _____ to _____
 Formation _____ Perf. _____ to _____
 Formation _____ Perf. _____ to _____
 Liner: Size 3 1/2 Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No _____ Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. 2 1/8 Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks, No. Used: Std 370 Sp. _____ Twin _____
 Auxiliary Equipment _____
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative David Baker Treater Nathan L.

TIME a.m. / p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
1:00	2 1/8	3 1/2		On location
:				
:				
:				
:				Pump 500 gal. @ 78% DS/FF.
:				@ 3600.
:				kill to 3183. Pump 500 gal.
:				with Annulus shut in
:				wait 10 min.
:				
:				break @ 2 1/8 bpm @ 650#
:				rate to 550#
:				
:				Inc. rate to 2 1/8 bpm @ 650#
:				flush w/ 20 bbls.
2:00				shut in - vacuum
:				
:				
:				Thank You!
:				Nathan L.
:				
:				
:				
:				
:				
:				
:				
:				
:				

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