



KANSAS CORPORATION COMMISSION 1063503
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

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

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: _____



1063503

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Raydon Exploration, Inc.
Well Name	Scantlin 3-23
Doc ID	1063503

All Electric Logs Run

Dual Spaced Neutron Spectral Density Log
Array Compensated True Resistivity Log
Borehole Compensated Sonic Array Log
Insite Directional Tool Log
Microlog
Cement Bond Log

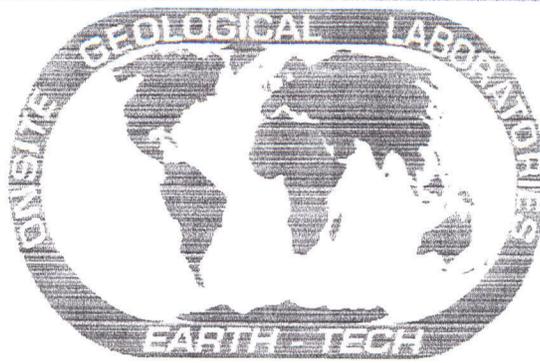
Customer	Raydon Exploration	Lease No.		Date	7-5-11
Lease	Scout in	Well #	3-23	Service Receipt	02057
Casing	4 1/2" 10.5#, 11.6#	County	Seward	State	KS
Depth	4571'	Formation		Legal Description	23-32-32
Job Type	242-4 1/2" Production				

Pipe Data		Perforating Data		Cement Data
Casing size	4 1/2" 10.5#, 11.6#	Shots/Ft		Lead
Depth	4571, 42'	From	To	200 AA2
Volume	71.3 bbl disp	From	To	
Max Press	2500#	From	To	Tail in
Well Connection	TD - 4560'	From	To	
Plug Depth	SI - 23.41' (4548.00')	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					on loc.-site assessment
4:35					spot trucks-rig up
7:00					start csg + float equip
10:00					csg on btm, break circ 45 min
					2509.53' = 11.6#, 2061.89 = 10.5#
10:45	200		5	4	pump 5 bbl H ₂ O spacer
10:47	210		12	4	pump 12 bbl (500 gal) superflush
10:53	215		5	4	pump 5 bbl H ₂ O spacer
10:55	300		13	4	plug rat + mouse holes 60/80 st
					Common
11:08	240		76.6	6	mix + pump 100 sk AA2 w/ 5% W/O
					10% salt, 6% C-15, 1/4# Deframer, 5# G.K.S. line
					4.30 ft 3/4 sk, 26.69 gal/sk @ 11 ppg
11:20	220		27.4	6	mix + pump 100 sk AA2 @ 14.8 ppg
					1.54 ft 3/4 sk, 6.44 gal/sk
11:31					wash pumping lines, drop plug
11:34	0		0	6	disp csg
12:10	600		60	2	slow rate last 10 bbls. of disp.
12:15	1300		71.3	0	land plug, float held

Service Units					
Driver Names					

26
25
28
50162
36



Scale 1:240 (5"=100") Imperial

Well Name: Scantlin #3-23
Location: Sec 23 32S 32W Seward County, KS
Licence Number: 1517522189
Spud Date: 6/27/11
Surface Coordinates: 1170' FSL - 2490' FWL
Region:
Drilling Completed: 7/04/2011

Bottom Hole Coordinates:

Ground Elevation (ft): 2810.9 K.B. Elevation (ft): 2820
Logged Interval (ft): 4000 To: 4528 Total Depth (ft): 4528
Formation:
Type of Drilling Fluid:

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Raydon Exploration, inc
Address: 1601 NW Expressway #1300
Oklahoma City, OK 73118

GEOLOGIST

DSTs

ROCK TYPES

	Anhy		Congl		Mrlst		Ss		Sandylms
	Bent		Dol		Salt		Till		Shale
	Brec		Gyp		Shale		Carb sh		Sltstn
	Cht		Igne		Shcol		Dol		Shlyslts
	Clyst		Lmst		Shgy		Dtd		Sitysh
	Coal		Meta		Sltst		Gry sh		Lms

ACCESSORIES

MINERAL		Mart		Belm		Fuss		Lms	
	Anhy		Minxi		Biocist			Sandylms	
	Arggrn		Nodule		Brach			Sh	
	Arg		Phos		Bryozoa	STRINGER		Sltstn	
	Bent		Pyr		Cephal		Anhy	TEXTURE	
	Bit		Salt		Coral		Arg		Boundst
	Brecfrag		Sandy		Crin		Bent		Chaiky
	Calc		Silt		Echin		Coal		Cryxln
	Carb		Sil		Fish		Dol		Earthy
	Chtdk		Sulphur		Foram		Gyp		Finexln
	Chtlt		Tuff		Fossil		Ls		Grainst
	Dol		Chlorite		Gastro		Mrst		Lithogr
	Feldspar		Dol		Oolite		Sltstrg		Microxln
	Ferrpel		Sand		Ostra		Ssstrg		Mudst
	Ferr		Sity		Pelec		Carbsh		Packst
	Glau	FOSSIL			Pellet		Clystn		Wackest
	Gyp		Algae		Pisolite		Dol		
	Hvymin		Amph		Plant		Grysh		
	Kaol				Strom		Gryst		

OTHER SYMBOLS

POROSITY TYPE		Vuggy	ROUNDING		Spotted		Dst	
	Earthy	SORTING		Rounded		Ques	EVENTS	
	Fenest			Subrnd		Dead		Rft
	Fracture			Subang		Gas show		Sidewall
	Inter			Angular				
	Moldic		OIL SHOWS		Even	INTERVALS		
	Organic			Core			Core	
	Pinpoint			Dst			Dst	

Curve Track 1

ROP (min/ft)

Gamma (API)

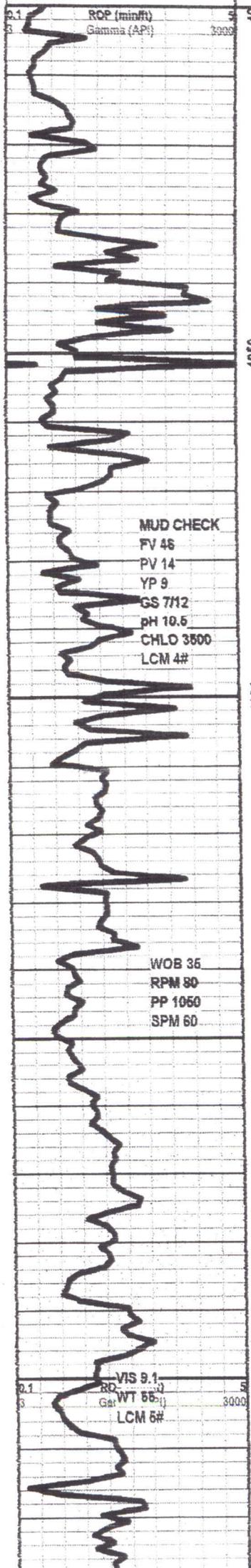
TG, C1-C5

TG (units)

C1 (units)

Lithology

Geological Descriptions



LS-LT GY GY TN V/F TO F-MED XLN HD DNS TO SLI BRITT IP V/RE XLN MTX TO SLI SUCRO MTX IP TR INTB LT GY SH TRUOUT TR SFT WHT CHLK IP SLI TR V/POOR INBD XLN POR SCATT BRIT YEL FLO NO VIS CUT

SH-BLK SFT CARB

LS-LT TN TN LT GY V/F TO F-MED XLN HD DNS TO V/BRITT IP V/RE XLN TO SLI SUCRO MTX IP TR SFT WHT CHLK IP TR INBD SH IP TR OOLMLD IP SL TR FOSS FRAG IP NO VIS POR SCATT BRT YEL FLO NO VIS CUT OR SHOW

SH-BLK SFT CARB

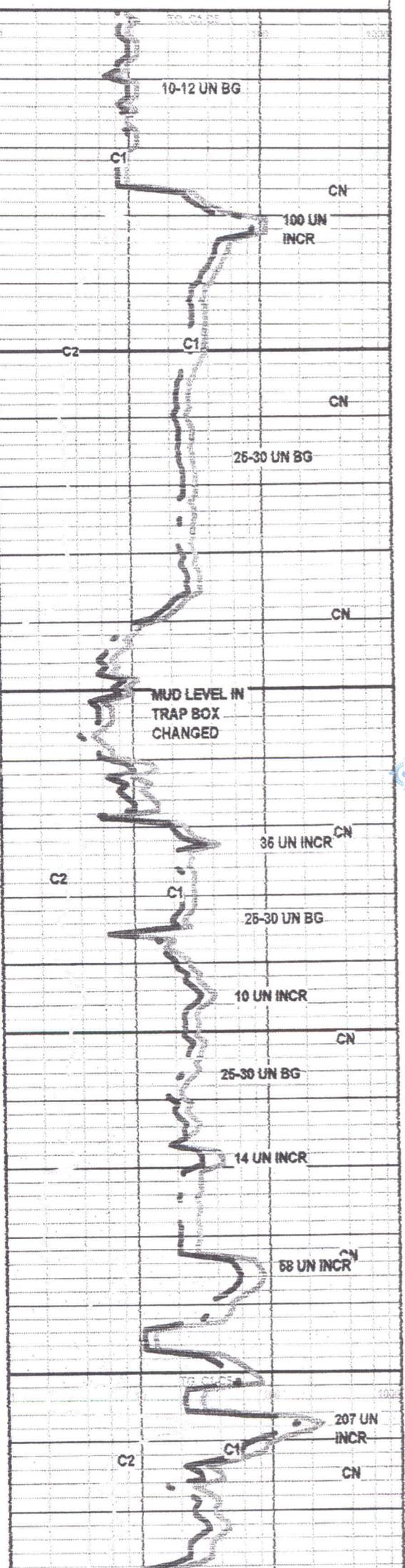
LS-LT GY GY LT TN F-MED XLN HD DNS TO SLI BRITT IP V/RE XLN MTX SLI TR SFT WHT CHLK IP TR INBD LT GY SH IP TR FOSS FRAGS FR VIS YEL MIN FLO NO VIS POR NO VIS CUT OR SHOW

SH-LT GY GY FRM BLKY TO SFT SLTY TR SNDY TXT VI CALC

LS-OFF WHT LT TN TN LT GY V/F TO F-MED XLN HD DNS TO SLI BRITT IP V/RE XLN MTX TO SLI SUCRO MTX IP ABNTD SFT WHT CHLK TRUOUT SLI TR FOSS FRAG IP TR OOLMLD IP MED YEL MIN FLD TRUOUT TR FR VIS INTR XLN POR NO VIS CUT OR SHOW

SH-BLK SFT CARB

B. HEEBNER 4208' -1384'



WOB 35
RPM 80
PP 1050
SPM 60

4250

SLI TR INBD GY SH IP SLI TR FOSS FRAG IP
SCATT BRT YEL FLO TR GD VIS PP POR IP NO
VIS CUT

CN

25-30 UN BG

C2

C1

LS-CRM OFF WHT LT TN TN V/F TO F-MED XLN
HD DNS TO VBRITT IP VIRE XLN MTX TO
SUCRO MTX IP TR INBD LT GRN SH TR PYR IP
SLI TR FOSS FRAG IP MED YEL MIN FLO
TRUOUT NO VIS POR NO VIS SHOW

CN

10-15 UN BG

WOB 35
RPM 80
PP 1050
SPM 60

4300

SH-LT GY GY LT GRN FRM BLKY TO SFT SLTY
TR CALC TR DISS PYR IP

CN

50 UN INCR

CFS 1HR

LS-WHT TO CRM-CHLK TN WISPTD TO EVEN TN
OIL STN, CRYPTO TO V/V/F XLN, TR SUB CHLK,
SUB BUCRO TO BUCRO, ABNDT PHNTM OOL,
TRS FOSS, GRNISH YEL FLOUR W SLOW GOOD
STRM CUT ABNDT PR TO FR TR GD MICRO PP
POR & POSS INTR XLN POR, TRS CHRT WHT
OPQUE

CN

12-15 UN BG

C2

C1

8 UN INCR

WOB 35
RPM 80
PP 1050
SPM 60

4350

LS-HVY TRS WHT TO CRM-CHLK & TAN
WISPTD TO EVEN DRKR TAN OIL STN, TR
CRYPTO TO V/V/F XLN, EXTRLY OOLCST & OR
SLI TO FRLY OOL MTX, TRG SUB CHLK, SUB
SUCRO TO EXTRM SUCRO, GLDN YEL TO YEL
FLOUR W/TRS FAINT STRMNG TO GOOD RING
CUT, ABNDT GD TO EXCL OOLCST POR &
ABNDT PR TO FR & TR GD MICRO PP & INTR
XLN POR, W/TR CHRT GRY TO TN OPQUE

CN

7 UN INCR

CFS 1HR

GATE
LEFT
OPEN

12-15 UN BG

C2

C1

WOB 40
RPM 75
PP 1050
SPM 60

4400

LS-CRM OFF WHT LT TN TN F-MED XLN HD DNS
TO BRITT IP VIRE XLN MTX TO TR SUCRO MTX
IP SLI TR SFT WHT CHLK IP TR OOL IP TR FOSS
FRAG DLL YEL MIN FLO TRUOUT FR VIS PP
POR NO VIS CUT

CN

15-20 UN BG

SH-LT GY GY LT GRN FRM BLKY TO SFT SLTY
TR CALC

7 UN INCR

C2

C1

CN

LS-LT GY GY LT TN F-MED XLN HD DNS VIRE
XLN MTX TR INBD GY SH IP SLI TR SFT WHT
CHLK IP DLL YEL MIN FLO NO VIS POR NO VIS
CT

CN

4450

WOB 40
RPM 75
PP 1050
SPM 60

0.1
RC (min/ft)
0.05
0.01
0.005

WOB 40
RPM 75
PP 1950
SPM 60

WT 9.2
FV 46
PV 14
YP 9
GS 7M2
pH 10.5
CHOL 3500
LCM 4#

CFS 1HR
SHORT TRIP TO
SURFACE CASING
CIRC 2HRS T.O.H.

4500

50



MTX IP SFT WHT CHLK TRUOUT TR INBD GY SH
IP SLI TR MICRO OOL IP FEW SCATT BRT YEL
FLO FR VIS PP POR NO VIS CUT

LS-LT TN TN LT GY TR BRN V/F TO F-MED XLN
HD DNS SLI TR BRITT IP VIRE XLN MTX TO TR
CRYPTO XLN IP TR FOSS FRAG IP SLI TR OOL
IP SCATT DUL YEL MIN FLO PR VIS INTR XLN
POR NO VIS CUT

TD OF 4528' REACHED
@12:00PM 7/04/2011

THANK YOU FOR USING
EARTH TECH OGL INC.

