

Confid	entiali	ty Requested:
Yes		No

Kansas Corporation Commission Oil & Gas Conservation Division

1102813

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15		
Name:			Spot Description:		
Address 1:			SecTwpS. R		
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Core, Expl., etc.):			Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			1		
GSW	Permit #:		Operator Name:		
_ _			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	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				
Confidentiality Requested				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottom								
Plug Back TD Plug Off Zone									
1 lug 011 20110									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.			mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Form	ACO1 - Well Completion	
Operator	Farmer, John O., Inc.	
Well Name	A. Wasinger 8	
Doc ID	1102813	

All Electric Logs Run

Dual Induction Log
Micro Resistivity Log
Compensated Density Neutron Log
Cement Bond Log
Computer Generated Interpretation

Form	ACO1 - Well Completion	
Operator	Farmer, John O., Inc.	
Well Name	A. Wasinger 8	
Doc ID	1102813	

Tops

Name	Тор	Datum
Anhydrite	1176'	(848)
Topeka	2978'	(-954)
Heebner	3259'	(-1235)
Toronto	3280'	(-1256)
Lansing	3306'	(-1282)
Base/KC	3535'	(-1511)
Arbuckle	3596'	(-1572)
L.T.D.	3681'	(-1657)

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

November 28, 2012

Marge Schulte Farmer, John O., Inc. 370 W WICHITA AVE PO BOX 352 RUSSELL, KS 67665-2635

Re: ACO1 API 15-051-26361-00-00 A. Wasinger 8 SE/4 Sec.15-15S-18W Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Marge Schulte



Farmer, John O., Inc.

15-15-18, Ellis, KS

PO Box 352 Russell KS 67665 A. Wasinger #8

Reference Elevations:

Tester:

Job Ticket: 47090 **DST#:1**Test Start: 2012.08.12 @ 21:35:45

ATTN: Austin Klans

GENERAL INFORMATION:

Formation: Arb.

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 23:46:45 Time Test Ended: 03:16:15

Interval: 3577.00 ft (KB) To 3617.00 ft (KB) (TVD)

Total Depth: 3681.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Unit No: 59

Brett Dickinson

2026.00 ft (KB) 2018.00 ft (CF)

8000.00 psig

KB to GR/CF: 8.00 ft

Serial #: 8166 Inside

Press @ RunDepth: 17.25 psig @ 3613.00 ft (KB) Capacity:

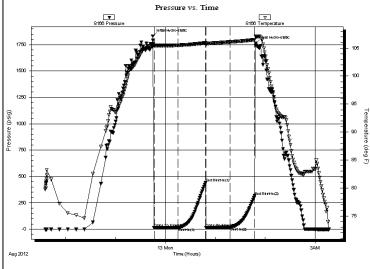
 Start Date:
 2012.08.12
 End Date:
 2012.08.13
 Last Calib.:
 2012.08.13

 Start Time:
 21:35:50
 End Time:
 03:16:14
 Time On Btm:
 2012.08.12 @ 23:44:45

Time Off Btm: 2012.08.13 @ 01:48:45

TEST COMMENT: IF-1/4in blow died in 28min

ISI-No blow FF-No blow FSI-No blow



PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1829.92	105.64	Initial Hydro-static		
	2	13.99	105.42	Open To Flow (1)		
	31	14.96	105.52	Shut-In(1)		
4	64	440.55	105.92	End Shut-In(1)		
Temperature (dec	64	16.09	105.78	Open To Flow (2)		
rature	93	17.25	106.10	Shut-In(2)		
dea	123	315.89	106.49	End Shut-In(2)		
פ	124	1761.97	107.13	Final Hydro-static		

Recovery

lume (bbl)
02

Gas Rates			
	Choke (inches)	Proceure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 47090 Printed: 2012.08.13 @ 05:33:32



FLUID SUMMARY

ppm

Farmer, John O., Inc.

15-15-18, Ellis, KS

PO Box 352

A. Wasinger #8 Job Ticket: 47090

Serial #:

DST#: 1

Russell KS 67665

ATTN: Austin Klans

Test Start: 2012.08.12 @ 21:35:45

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 53.00 sec/qt

Cushion Volume: bbl

8.79 in³ Gas Cushion Type:

> Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: inches

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl
5.00	oilspotted mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

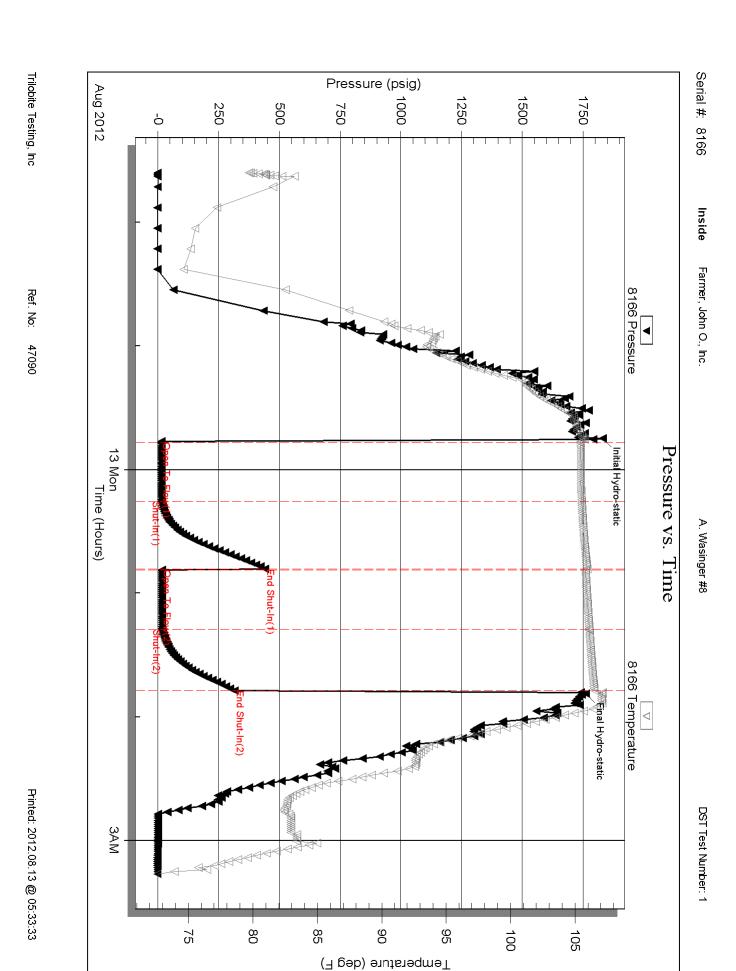
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

ohm.m

Printed: 2012.08.13 @ 05:33:33 Trilobite Testing, Inc Ref. No: 47090





Farmer, John O., Inc.

15-15-18, Ellis, KS

PO Box 352 Russell KS 67665 A. Wasinger #8

Job Ticket: 47091

DST#: 2

ATTN: Austin Klans

Test Start: 2012.08.13 @ 07:10:00

GENERAL INFORMATION:

Formation: Arb.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:30 Time Test Ended: 13:31:30

3622.00 ft (KB) To 3650.00 ft (KB) (TVD)

Total Depth: 3681.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

KB to GR/CF:

Unit No: 59

Reference Elevations:

2026.00 ft (KB)

202

2018.00 ft (CF) 8.00 ft

Serial #: 6753
Press@RunDepth:

Interval:

Start Date:

Start Time:

Outside

421.03 psig @ 2012.08.13

07:10:05

3646.00 ft (KB) End Date:

End Time:

2012.08.13

13:31:29

Capacity: Last Calib.: 8000.00 psig

Time On Btm:

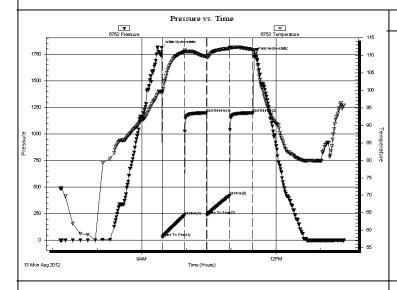
2012.08.13 2012.08.13 @ 09:26:30

Time Off Btm:

2012.08.13 @ 11:31:30

TEST COMMENT: IF-BOB in 5.5min

ISI-No blow FF-BOBin 6min FSI-No blow



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1812.82	99.71	Initial Hydro-static
1	28.80	99.34	Open To Flow (1)
31	233.54	111.00	Shut-In(1)
60	1198.07	109.66	End Shut-In(1)
61	239.11	109.37	Open To Flow (2)
92	421.03	111.96	Shut-In(2)
123	1198.01	111.61	End Shut-In(2)
125	1751.82	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
655.00	Water	8.91
240.00	MCW 85% W 15%M	3.37
* Recovery from mu	Itiple tests	+

Gas Rates

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

Trilobite Testing, Inc Ref. No: 47091 Printed: 2012.08.13 @ 14:33:36



Farmer, John O., Inc.

ATTN: Austin Klans

15-15-18, Ellis, KS

PO Box 352

A. Wasinger #8

Russell KS 67665 Job Ticket: 47091

Test Start: 2012.08.13 @ 07:10:00

GENERAL INFORMATION:

Formation: Arb.

Interval:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:30 Time Test Ended: 13:31:30

3622.00 ft (KB) To 3650.00 ft (KB) (TVD)

Total Depth: 3681.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Straddle (Reset) Brett Dickinson

Unit No: 59

Tester:

Reference Elevations:

2026.00 ft (KB)

DST#: 2

2018.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8319 Below (Straddle)

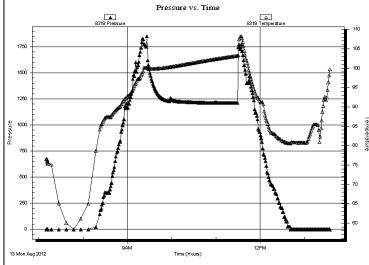
Press@RunDepth: 3681.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2012.08.13 End Date: 2012.08.13 Last Calib.: 2012.08.13

Start Time: 07:10:05 End Time: Time On Btm: 13:34:59 Time Off Btm:

TEST COMMENT: IF-BOB in 5.5min

ISI-No blow FF-BOBin 6min FSI-No blow



PRESSURE S	UMMARY
------------	--------

-	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
Temperature				
rature				

Recovery

Length (ft)	Description	Volume (bbl)
655.00	Water	8.91
240.00	MCW 85% W 15%M	3.37
* Recovery from mu	Itiple tests	

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 47091 Printed: 2012.08.13 @ 14:33:37



FLUID SUMMARY

Farmer, John O., Inc.

15-15-18, Ellis, KS

PO Box 352 Russell KS 67665 A. Wasinger #8

Job Ticket: 47091

DST#: 2

ATTN: Austin Klans

Test Start: 2012.08.13 @ 07:10:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 8.78 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl	
655.00	Water	8.915	
240.00	MCW 85% W 15%M	3.367	

Total Length: 895.00 ft Total Volume: 12.282 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 47091 Printed: 2012.08.13 @ 14:33:38

9

100

9

105

110

115

8

Temperature

80

DST Test Number: 2

55

9

65

70

75

Trilobite Testing, Inc

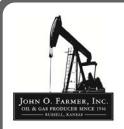
Ref. No:

47091

Trilobite Testing, Inc

Ref. No: 47091

Printed: 2012.08.13 @ 14:33:39



AUSTIN B. KLAUS



Cell 785.650.3629 Work 785.483.3145 Ext 225 PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: A. Wasinger #8
Location: Ellis County

License Number: API #15-051-26,361-0000 Region: Kansas

Spud Date: 8/7/2012 Drilling Completed: 8/13/2012

Surface Coordinates: 780' FSL & 1915' FEL

Section 15 - Township 15 South - Range 18 West

Bottom Hole Vertical well with minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 2016' K.B. Elevation (ft): 2024'

Logged Interval (ft): 2950' To: RTD Total Depth (ft): RTD: 3680' LTD: 3681'

Formation: Topeka-Arbuckle Type of Drilling Fluid: Chemical (Andy's)

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

OPERATOR

Company: John O. Farmer, Inc.

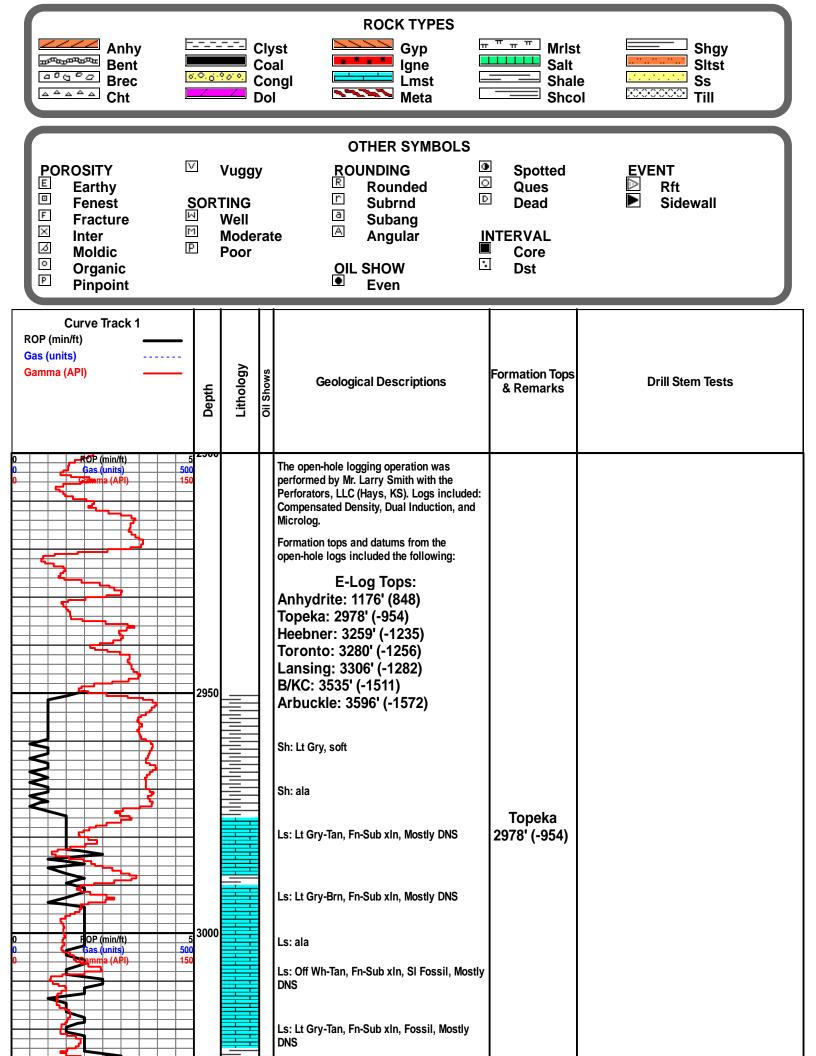
Address: P.O. Box 352

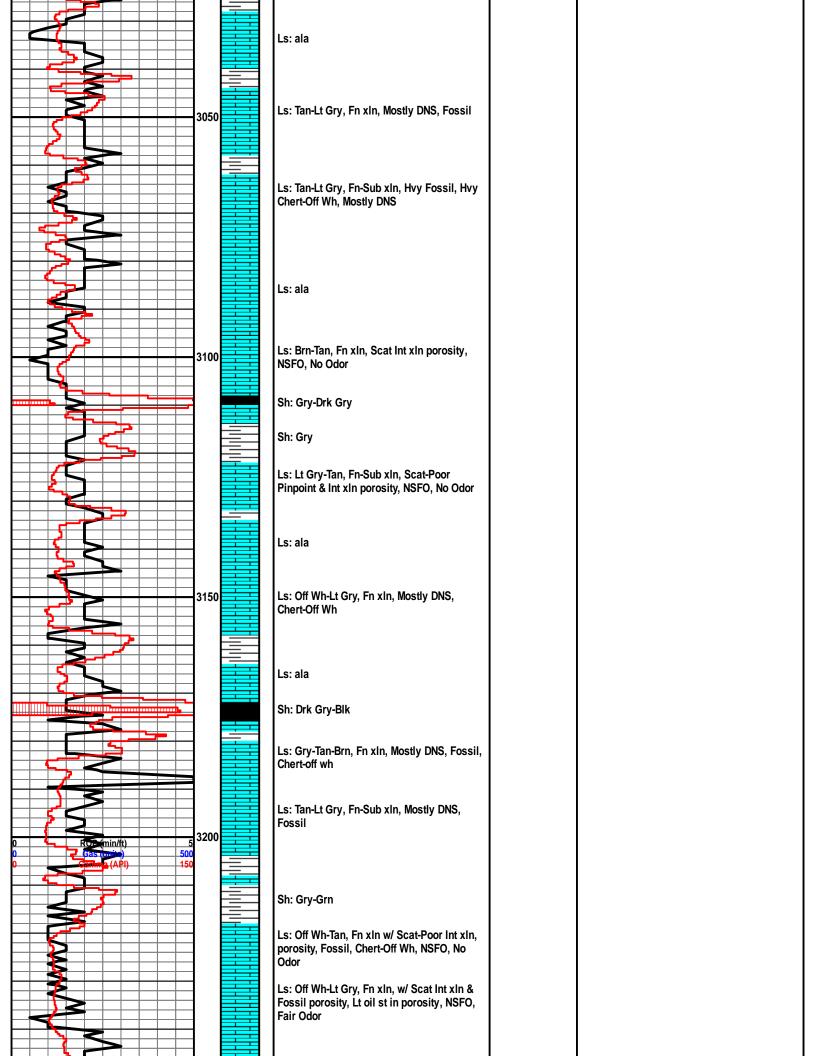
Russell, KS 67665-0352

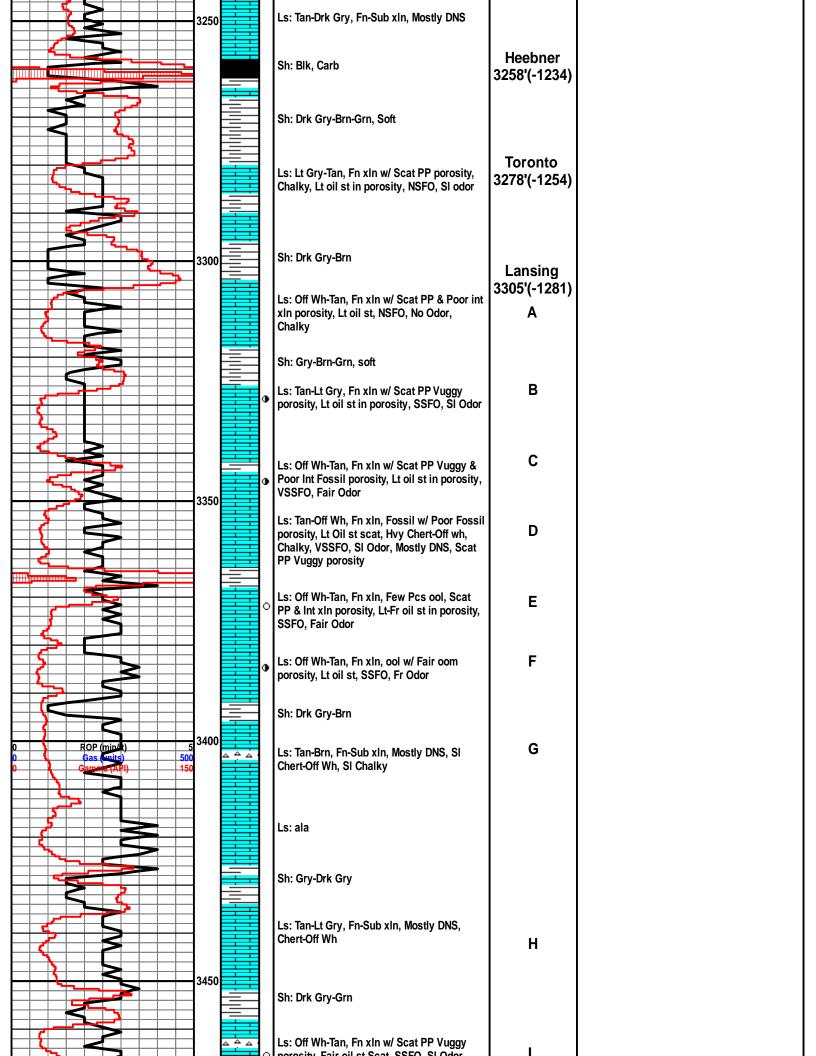
COMMENTS

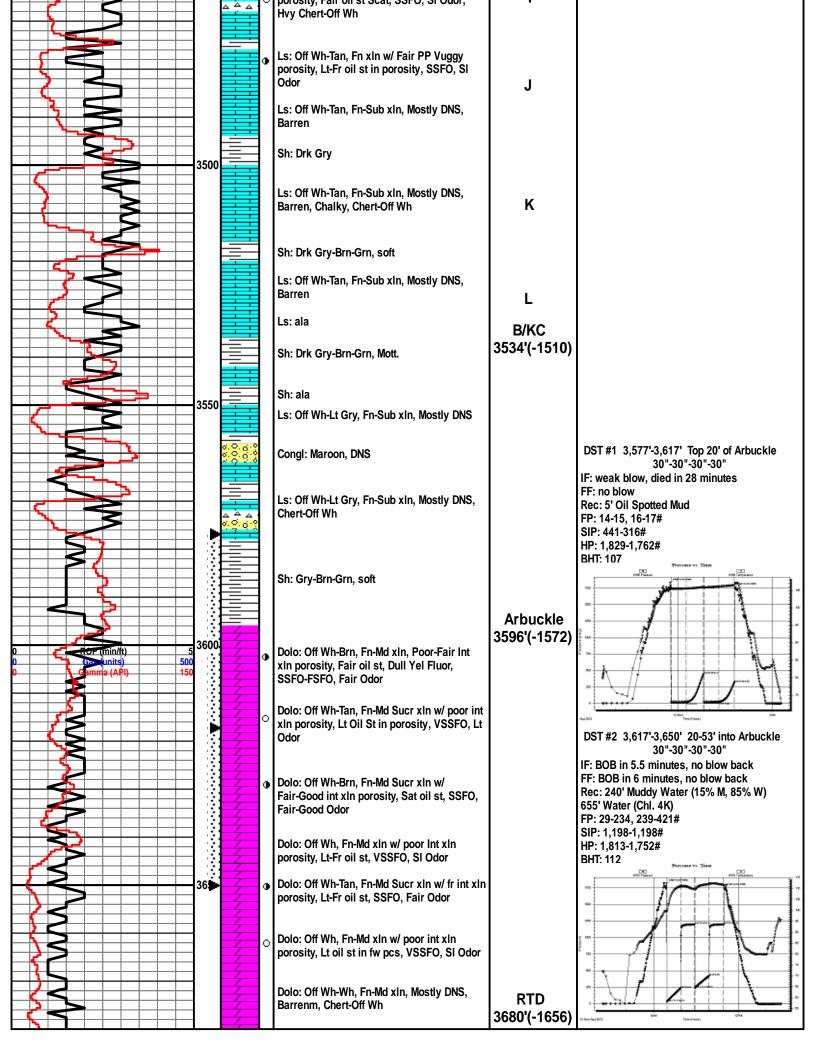
The A. Wasinger #8 well was drilled by Discovery Drilling Rig #4 (Tool Pusher: Mike Gaschler).

The location for the A. Wasinger #8 was found via 3-D seismic survey. Based on the evaluation of the logs run and the samples collected, the decision was made to set 5 1/2" production casing on 8/13/2012 to further evaluate the A. Wasinger #8 well.







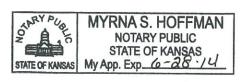




P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Fa		Lic# 5135	Contractor:	Discovery D	Drilling Co., Inc.	LIC#31548
370 West	Wichita Avenue - P.O. Box	352	•	PO Box 763		
Russell, K	S 67665			Hays, KS 6	7601	
L	# 0		1		05	
Lease: A. Wasing	er#8		. Location:	SW-NE-SW-		
				Section 15/		
				Ellis County,	, NO	
Loggers Total Depth:	3681'		API#15-	051-26,361-	00-00	
Rotary Total Depth:	(1			2016 GL / 20		
Commenced:	8/7/2012		Completed:	8/13/2012	_	
Casing:	8 5/8" @ 1186'W/45@sks	-	Status:	Oilwell	_	
	5 1/2" @ 3677'W130sks					
	DEPT	HS & FORM	ATIONS			
		(All from KB				
Surface, Sand & Shale	e <u>0'</u>	_	Shale		1218'	
Dakota Sand	552'	_	Shale & Lime	е	1847'	
Shale	580'	_	Shale		2161'	
Cedar Hill Sand	626'	_	Shale & Lime	е	2582'	
Red Bed Shale	824'	_	Lime & Shale	Э	3240'	
Anhydrite	1178'		RTD		3680'	
Base Anhydrite	1218'	_				
STATE OF KANSAS))					
COUNTY OF ELLIS) ss)		,	. 1		
	n of Discovery Drilling state ng is a true and correct log					
		Thomas H. A	192 - N	/9		
Subscribed and sworr	to before me on	14-12				
My Commission expire	es: <u>6-28-14</u>					
Place stamp or seal b	pelow)	Notary Public	na S.	HOMM	0n	



TY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

GENURAL VERILL AMOR CHICK

Phone 785-483-2025 Call 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665 No. 714

							1 . 1641	
Date 8-8-12 Sec.	Twp.	Range	E	County	State 45	On Loc	ation	7,30 ph
Lease A. Nasinaclo	Well No.	8	Location	on hay 5	mack 13	EZNL	vestn	20
ne 11. 0 = 11				Owner	. t, 160 or	le many de	1 1	
Type Job Septace	F Comments	1 1 M	42,140,170	To Quality O	ilwell Cementing	, Inc.	quinment o	nd furnish
Hole Size 12 4	T.D. 1	186		cementer ar	eby requested to and helper to assis	rent cementing e	ctor to do w	ork as listed.
Csg. 634	Depth		. ji avit iy	Charge	John 1) fabre	6	William -
Tbg. Size	Depth		,	Street				
Tool	Depth	V - 20 1 2 1 2 1 2 1	P =	City State				
Cement Left in Csg. 32. 16	Shoe Jo	oint 32, 1	5	The above wa	as done to satisfac	tion and supervision	of owner ac	jent or contractor.
Meas Line	Displac	e73.5	BL	Cement Am	ount Ordered 🌡	190 3% C	1 4/1	opl
EQUI	PMENT				430			
Pumptrk 15 No. Cementer Helper	nut .		in the state of	Common 4	150	i i i i i i i i i i i i i i i i i i i	30,1	nemija pe grafic
Bulktrk No. Driver Driver	4		Transfer on the	Poz. Mix			- 100°C	The first of the
Bulktrk No. Driver Driver	he			Gel. 9		Alle This Land	· string of the string	in a salatina t
JOB SERVICE	The second secon	RKS	er in er in ke ke Hansa de ar	Calcium/6				
Remarks: A Ma	SINGE	n#9	3	Hulls	18 U.C. 19	10 1 11 (Fig.)	1,171,7,19	
Rat Hole	year as Z aala	1 1 256		Salt				
Mouse Hole	+ 1 g .			Flowseal				
Centralizers 2, \$5	8			Kol-Seal				
Baskets 2, 858	60			Mud CLR 48				
D/V or Port Collar	4,			CFL-117 or CD110 CAF 38				
. ever	435 (Salton)	140		Sand	har been seen as	A		
To whate styles are	place to the	politica po		Handling 4	475			
			and a	Mileage		A SECTION ASSESSMENT	and the supplemental of th	As a second
The state of the s			High to		FLOAT EQ	UIPMENT	Str. Carrier Sept.	nu, at ill sa
				Guide Shoe	9 / 1			3 - 33 -
				Centralizer	1	#2#23	1 7 2 1	
200 M 200 M				Baskets	3,	24		
Coment did G	Culat			AFU Inserts	s	19t 4" 2" (1843)	h - 18 - 14	
	and the			Float Shoe				
				Latch Down	1		AL 885 35	
				Beffk	Plate	- 4 T		
				Rille	6 Dlug		184.7	
				Pumptrk Cl	harge /	Surface		per tradition
	, 1 - 10-11	1131 17	A 2000	Mileage	11			
Technic Committee and the	176				A. wyn . * s.		Tax	x 15 _ 5 x = 1
, M							Discount	
X Signature	The St. Th	The State of the S	al make as			Tota	al Charge	

SWIFT Services, Inc. **JOB LOG** PAGE NO. CUSTOMER JOB TYPE WELL NO. TICKET NO. #8 John O. Farmer Lekassing co Courset Longstonio 21856 CHART VOLUME (BBL) (GAL) PUMPS PRESSURE (PSI) RATE (BPM) DESCRIPTION OF OPERATION AND MATERIALS T /C TUBING CASING 1945 ecation w/ Hat Escip 1940 #/st 5 1/2 " casing 103680" Doke wall Sevolchers -5J-18'@3662 = 89.4 1-3-5-79-11 2130 15 BBI KCL WIR 60 2345 2330