

#### Kansas Corporation Commission Oil & Gas Conservation Division

1065646

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil         WSW         SWD         SIOW           Gas         D&A         ENHR         SIGW           OG         GSW         Temp. Abd.           CM (Coal Bed Methane)         Cathodic         Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	feet depth to: w/ sx cmt.
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content:ppm Fluid volume:bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
	•
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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:				

Side Two

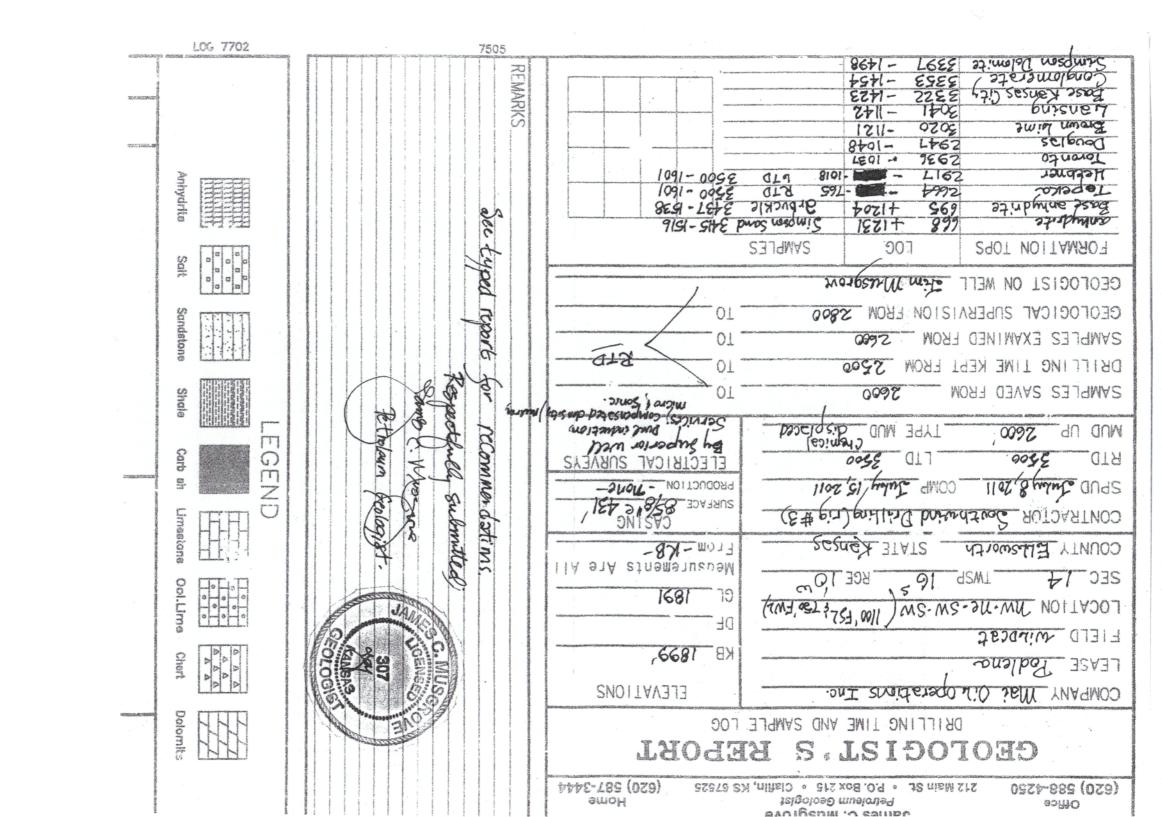


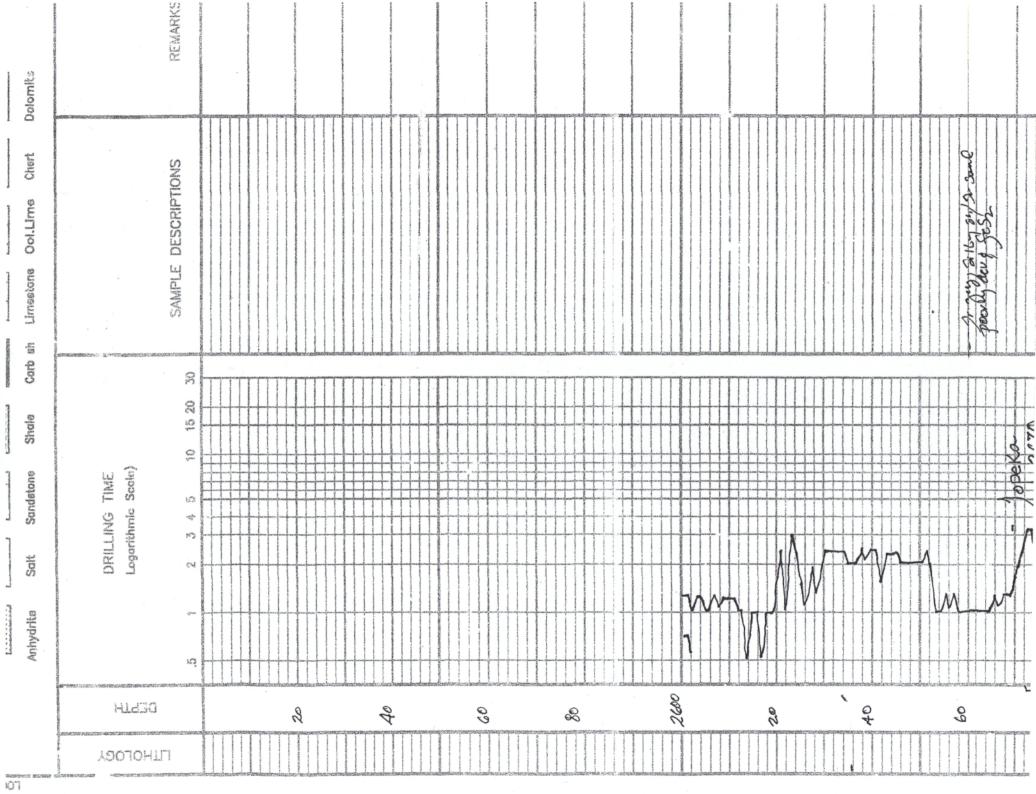
Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations pe t-in pressures, whether st, along with final char- well site report.	shut-in pressure rea	ached static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Taker (Attach Additional		☐ Yes ☐ No		_og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	Yes No	Nan	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy		Yes No Yes No Yes No					
List All E. Logs Run:							
				lew Used			
D (0):	Size Hole	Report all strings set Size Casing	t-conductor, surface, in Weight	termediate, producti Setting	on, etc.  Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONA	U OFMENITING (OO	UEEZE DEOODD			
Purpose:	Denth		# Sacks Used	UEEZE RECORD			
Perforate	Top Bottom	Depth Type of Cement Top Bottom		Type and Percent Additives			
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATI	ON RECORD - Bridge Plu	ugs Set/Type		cture, Shot, Cement		
	Specify	Footage of Each Interval Pe	errorated	(AI	mount and Kind of Ma	ateriai Used)	Depth
TUDING DECORD.	Si-a.	Cat Atı	Packer At:	Lines Duni			
TUBING RECORD:	Size:	Set At:	Facker At.	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Me		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wa	ter B	bls. (	Gas-Oil Ratio	Gravity
		·					
	ON OF GAS:		METHOD OF COMPL			PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole			nmingled mit ACO-4)		
(If vented, Sui	bmit ACO-18.)	Other (Specify)					

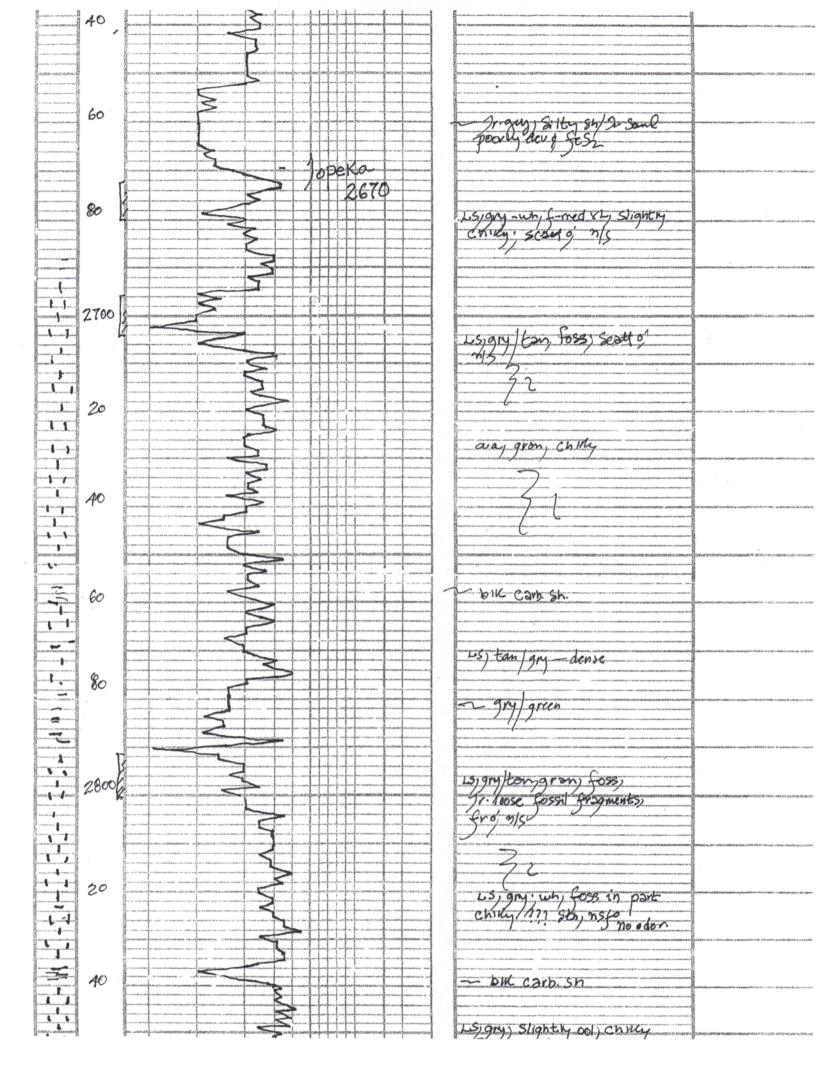
Form	ACO1 - Well Completion		
Operator	Mai Oil Operations, Inc.		
Well Name	Podlena 1		
Doc ID	1065646		

### Tops

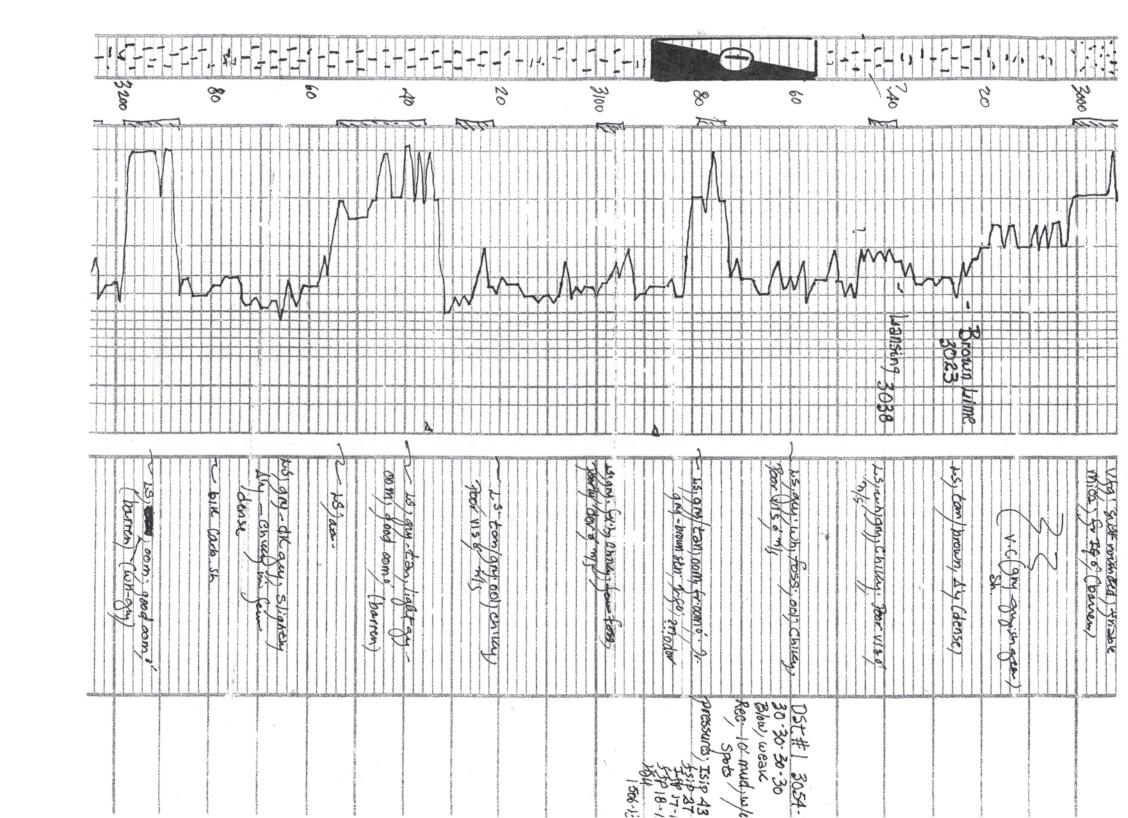
Name	Тор	Datum
Anhydrite	668	+1231
Topeka	2664	-765
Heebner	2917	1018
Toronto	2936	-1037
Brown Lime	3020	-1121
Lansing	3041	-1142
Base Kansas City	3322	-1423
Simpson Sd	3415	-1516
Arbuckle	3437	-1538

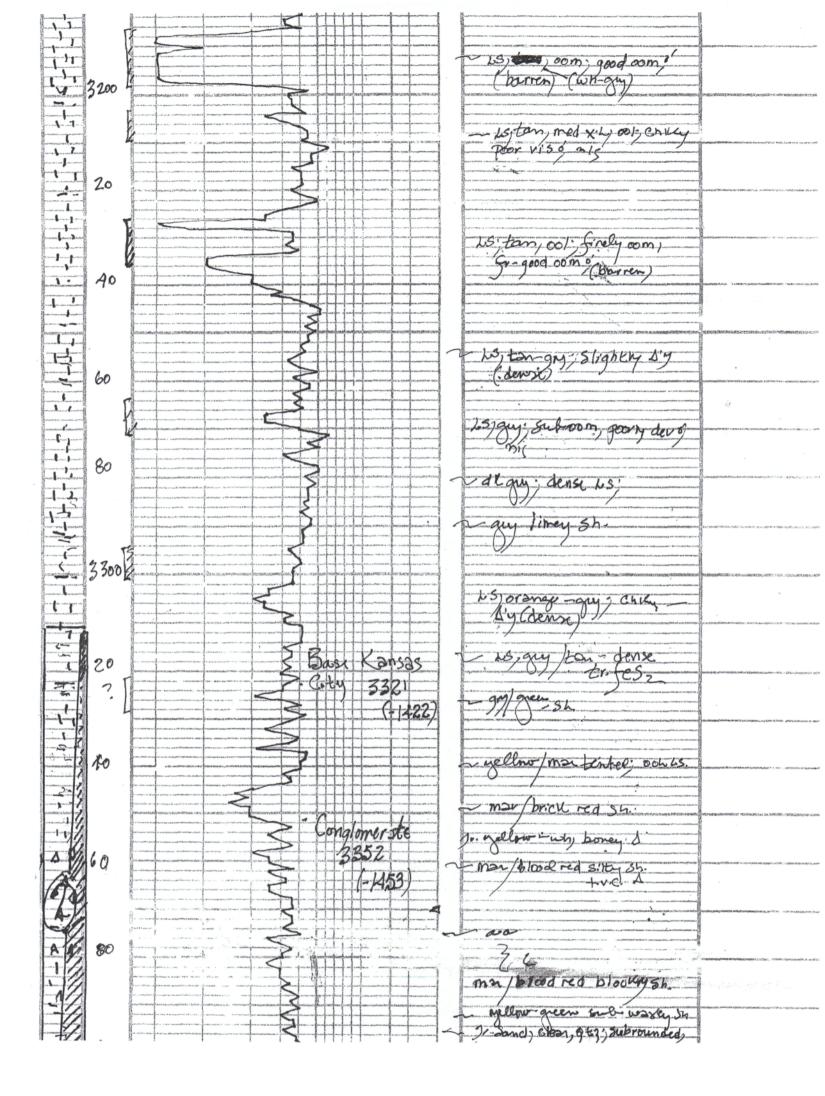


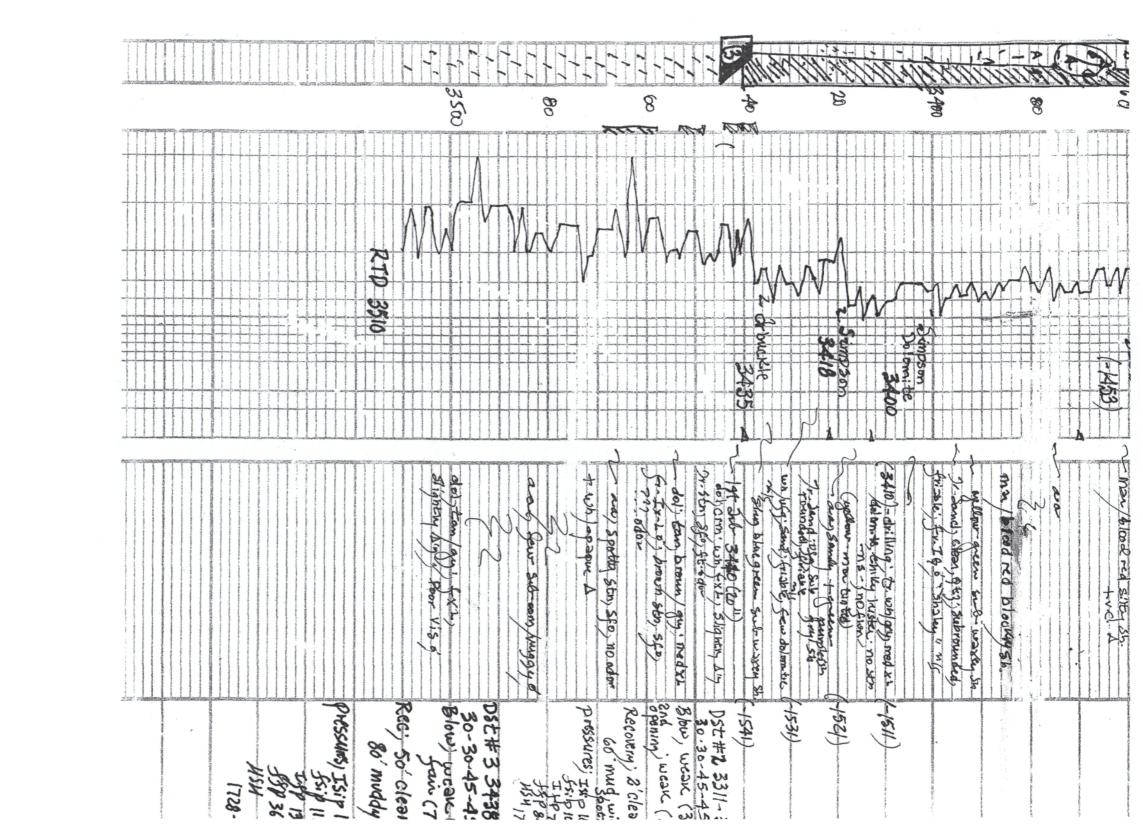




(2512P) Ay lumory was (54 (mole us. Inde hab) ). A 3006 manual (6 bg of to 141) manual (popular gors 66/1 cumal 45/25- hab (puros 08 -8×6681-09 45 mans 100 210 / War - buick red selono m140 (66/4m/51 anand 1865 2918 1-1020 16. 61k Carb. 8k 1 houge bub uf 70%Z صعرا دادد mus (100 haubis (hib/54 us gred ma apo el for 195 ich minos







Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

## WELL PLUGGING RECORD

Form CP March 20t Type or Print on this Forn Form must be Signe All blanks must be Fille

OPERATOR: License	#: 5259			API No. 15	. 053-21265	5-00-00
Name: Mai Oil Operations, Inc. Address 1: 8411 Preston Road, Suite 800			Spot Description:  NW_NE_SW_SW_Sec. 14 Twp. 16 S. R. 10 East We			
city: Dallas State: TX Zip: 75225 +			750	Feet from	n East / West Line of Section	
Contact Person: _All	9			Footages (	Calculated from Nea	rest Outside Section Corner:
Phone: (214_) 21					NE NW	SE ✓ SW
	Oil Well Gas Well	guerrang.	Cathodic	County:	Ellsworth	
Water Supply Well		SWD Permit #:				Well #: _1
ENHR Permit #:_		Storage Permit #:		Date Well	Completed: 7/15	5/2011
	es No If not, is		s No	The pluggi	ing proposal was ap	proved on: 7/8/2011 (Date
	): List All (If needed attach anothers Top)	ottom: T.D		,	ve Bollenback	(KCC District Agent's Nam
		ottom:T.D		Plugging C	Commenced: 7/15	
		ottom:T.D		Plugging C	Completed: 7/15	5/2011
	ери (о тор вс	ntoin 1.D				
Show depth and thickne	ess of all water, oil and gas for	rmations.				
	Water Records			Record (Surfa	ace, Conductor & Proc	
Formation	Content	Casing	Size		Setting Depth	Pulled Out
		Surface	8 5/8	**	431'	0'
						W3
plug @ 1350' v	vith 35 sacks, 3rd	olug @ 1030' wit	th 35 sack	ks, 4th p	lug @ 481' v	0' with 35 sacks, 2nd with 35 sacks, 5th plug @ mplete @ 12:45 pm on
Plugging Contractor Lice	nse #:33350		Name:	Southw	ind Drilling, In	IG.
Address 1: PO Box	276					
City: Ellinwood State: Kansas						
Phone: (620_) _ 564						
	ole for Plugging Fees: Mai	Oil Operations, In	ıc.			
State of Kansas		Barton		, 89.		
Jennifer Heape					loyee of Operator o	Operator on above-described well
heing first duly sworn on	(Print Name) path, says: That I have knowledge	edge of the facts statemen	ats and matter		,	of the above-described well is as filed, an
the same are true and co		- A	I said matter	2.101041 00110		(C(D)D) [V]
Signature:	migu te	apl				9011
( 1	~				B, Wichita, Kansa	67202



#### DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Road Suite 800 Dallas, TX. 75225 ATTN: Jim Musgrove Podlena #1

14-16-10Ellsworth,KS

Job Ticket: 43539

DST#: 1

Test Start: 2011.07.12 @ 12:16:11

#### GENERAL INFORMATION:

Time Tool Opened: 13:56:41

Time Test Ended: 17:11:41

Formation:

"C" No

Deviated:

Whipstock:

ft (KB)

Tester:

Test Type: Conventional Bottom Hole

Jason McLemore

Unit No:

Reference Bevations:

1898.00 ft (KB)

1891.00 ft (CF)

KB to GR/CF:

7.00 ft

Interval: Total Depth:

Hole Diameter:

Serial #: 8673

Press@RunDepth:

3054.00 ft (KB) To 3088.00 ft (KB) (TVD)

3088.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

Inside

16.38 psig @ 3057.00 ft (KB)

End Date:

2011.07.12

Capacity:

8000.00 psig

Start Date: Start Time: 2011.07.12 12:16:13

End Time:

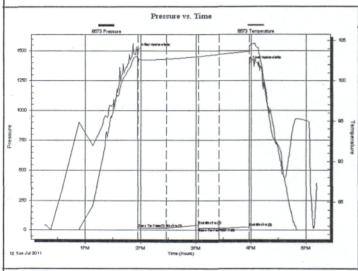
17:11:41

Last Calib.: Time On Btm 2011.07.12

2011.07.12 @ 13:56:26 Time Off Btm 2011.07.12 @ 15:58:11

TEST COMMENT: IFP-Weak Surface Blow, Dead in 10 Min.

ISI-Dead FFP-Dead FSI-Dead



PRESSI	JRE	SUMM	٩RY
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1					
Time	Pressure	Temp	Annotation		
(Min.)	(psig)	(deg F)			
0	1505.71	103.05	Initial Hydro-static		
1	16.88	102.12	Open To Flow (1)		
32	17.93	102.69	Shut-In(1)		
66	43.45	103.01	End Shut-In(1)		
67	18.41	103.00	Open To Flow (2)		
89	16.38	103.27	Shut-In(2)		
122	27.47	103.65	End Shut-In(2)		
122	1395.65	104.24	Final Hydro-static		

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud W/Oil Spots	0.14
9 14 5	5 5 50 5 FEB.	
1 /1		
-1119	1 had	

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 43539

Printed: 2011.07.15 @ 16:37:20 Page 2



#### DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Road Suite 800 Dallas, TX. 75225 ATTN: Jim Musgrove Podlena #1

14-16-10Ellsworth,KS

Job Ticket: 43540

DST#: 2

Test Start: 2011.07.13 @ 21:16:20

#### GENERAL INFORMATION:

Time Tool Opened: 01:00:35

Time Test Ended: 05:21:35

Formation:

Arbuckle

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Jason McLemore

Unit No:

Reference Bevations:

1898.00 ft (KB)

1891.00 ft (CF)

KB to GR/CF:

7.00 ft

Interval:

Start Date:

Start Time:

3311.00 ft (KB) To 3440.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

3440.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8673

Inside Press@RunDepth:

87.27 psig @ 3412.00 ft (KB) 2011.07.13 End Date.

2011.07.14

Capacity:

8000.00 psig

05:21:35

Last Calib.: Time On Btm 2011.07.14 @ 01:00:05

2011.07.14

Time Off Btm 2011.07.14 @ 03:34:05

TEST COMMENT: IFP-Weak Blow, Built to 3-1/2"

ISI-Dead

FFP-Weak Blow, Built to 2"

FSI-Dead

		Pressure vs. Time	
		9673 Pressure 9673 Temperature	
	1750	A floor toping of billion	110
	1	A thousands	****
	1500		105
	ŀ		
	1250		100
	- [	~ M	
	1000	demits (i)	95
Sure		1	95
Pressure		1	90
	750		-
	-		
	000 F		85
	E		
	250		80
	-	1 10.44	
	-	Marina Contraction of the Contra	75
	0		
	0 Wed Jul	M 14 Thu 3AM 011 Time (House)	

PRESSURE	SUMMARY
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PRESSORE SOMINARY				
Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
0	1760.95	107.72	Initial Hydro-static	
1	70.30	107.01	Open To Flow (1)	
32	79.51	107.62	Shut-In(1)	
62	1033.19	108.46	End Shut-In(1)	
66	84.25	108.55	Open To Flow (2)	
105	87.27	109.40	Shut-In(2)	
154	1077.08	110.14	End Shut-In(2)	
154	1581.27	110.46	Final Hydro-static	

#### Recovery

Length (ft)	Description	Volume (bbl)	
60.00	Mud W/Oil Spots	0.84	
2.00	Oil	0.03	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 43540

Printed: 2011.07.15 @ 16:38:14 Page 2



#### DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Road Suite 800 Dallas, TX. 75225 ATTN: Jim Musgrove Podlena #1

14-16-10Ellsworth,KS

Job Ticket: 43541

DST#:3

Test Start: 2011.07.14 @ 11:01:08

#### GENERAL INFORMATION:

Time Test Ended: 16:46:23

Formation:

Deviated:

Interval:

No Whipstock: Time Tool Opened: 12:27:23

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Jason McLemore

Unit No: 54

Reference Elevations:

1898.00 ft (KB)

KB to GR/CF:

1891.00 ft (CF) 7.00 ft

Hole Diameter: 7 89 100 3444.

Serial #: 8673

Inside

68.72 psig @ 3441.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

Press@RunDepth:

2011.07.14 End Date: 11:01:10

3438.00 ft (KB) To 3444.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

End Time:

2011.07.14 16:46:23

Last Calib .:

2011.07.14

Time On Btm 2011.07.14 @ 12:27:08 Time Off Btm 2011.07.14 @ 14:59:08

TEST COMMENT: IFP-Weak Blow, Built to 5"

ISI-Dead

FFP\_Fair Blow, Built to 7"

FSI-Dead

		Pres	sure vs. Time			
	9673 Pressure			8673 Temperature		
1750		is fibel Hydro-Tells:				
1900				-	- 115	
-		1			- 110	
1250	1		I Bushings	numetro	100	
1000				1-11	-	
750			1		- 100	
500					- 95	
500					- 20	
250				1 4	-	
0		Description Des	Ta. Edward	1	- 85	
4 Thu J	12PM		Time (Hours)	ЭРМ	•	

Р	RESSUF	RE SUMMARY
	-	A 1 1:

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1727.81	102.84	Initial Hydro-static
1	12.90	102.09	Open To Flow (1)
31	34.34	113.05	Shut-In(1)
61	1151.33	114.07	End Shut-In(1)
61	35.75	113.50	Open To Flow (2)
104	68.72	117.08	Shut-In(2)
152	1153.14	116.50	End Shut-In(2)
152	1586.00	116.43	Final Hydro-static
			I

#### Recovery

Length (ft)	Description	Volume (bbl)	
80.00	Muddy Water-90%W-10%M	1.12	
50.00	Free Oil	0.70	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 43541

Printed: 2011.07.15 @ 16:38:43 Page 2

## QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107 No. 4974 Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 Cell 785-324-1041 On Location Finish Twp. State Range County Sec. Ellswood 14 45 A 16 16 Location Wison Well No. # Lease 3/4 E/5 Owner Contractor To Quality Oilwell Cementing, Inc. tace You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job 431 T.D. Hole Size Charge To 431 Oil Depth operations Csg. Depth Tbg. Size Street Depth City Tool State Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg SX GOLYO DOLOCK Cement Amount Ordered 225 Displace Meas Line **EQUIPMENT** Cementer ( No. Common Pumptrk No. Driver No. Driver No. Driver No. Driver Poz. Mix Bulktrk Gel. Bulktrk () **JOB SERVICES & REMARKS** Calcium , culate Remarks: Cement Hulls Salt Rat Hole Mouse Hole Flowseal

Kol-Seal

Sand Handling Mileage

Mud CLR 48

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Mileage

CFL-117 or CD110 CAF 38

FLOAT EQUIPMENT

Tax

Discount

Total Charge

Centralizers

D/V or Port Collar

**Baskets** 

X Signature

# ALLIED CEMENTING CO., LLC. 039753

Federal Tax I.D.# 20-5975804

P.O. BOX 31	VICE POINT:	/ )	
RUSSELL, KANSAS 67665		1,055	e 1/
ATE 7-15-11 SEC. TWP. RANGE 10	CALLED OUT ON LOCATION	11.45Am	JOB FINISH
LEASE Podiena WELL# / LOCATION W./SO	N 11545E13E	COUNTY	STATE
OLD OR (Circle one)			
CONTRACTOR Southwind	OWNER		
TYPE OF JOB R Jug	OWNER		
HOLE SIZE T.D.	CEMENT		
CASING SIZE DEPTH	AMOUNT ORDERED		1
TUBING SIZE DEPTH	185 mb 60/40 4	90 Gel 4	Ho Seal
DRILL PIPE 45 DEPTH			
TOOL DEPTH			
PRES. MAX MINIMUM	COMMON/1	@ 1625	1803.75
MEAS. LINE SHOE JOINT	POZMIX 74	@ 8.50	629.00
CEMENT LEFT IN CSG.	GEL 6	@ 21,25	127.50
PERFS.	CHLORIDE	@	
DISPLACEMENT	ASC	@	
EQUIPMENT	Floseal 46 lbs	@ 2.70	124.20
EQUITMENT		@	
		@	
PUMPTRUCK CEMENTER S		@	
# 366 HELPER Fold Tws		@	
BULK TRUCK		@	
# DRIVER RON		@	
BULK TRUCK		@	
# DRIVER	HANDLING 185	@ 2,25	416.25
	MILEAGE 185 x . 11 x 2		508:75
REMARKS:		TOTAL	3609.45
lot plug e 3430 w/ 35 sh	SERV	ICE	
and plug e 1300 w 350kg			
3Rd plug e 1030 W/ 3500	DEPTH OF JOB	1	
4th play e 48/d 350h	PUMP TRUCK CHARGE	55 at 1	1250,00
SThiplug C 60 W SDEN	EXTRA FOOTAGE	@	2001
00.110111	MILEAGE 50	<u> </u>	350
20 ps Rathole	MANIFOLD	@	10
	LVM 50	_ @ <del>_ 7,00</del> _	2000
		@	
CHARGE TO: Mai Dil			
STREET		TOTAL	180000
		j	
CITYSTATEZIP	PLUG & FLOA	T EQUIPMEN	r
	1-85 wood Plug	@	54,00
	/	@	
To Allied Cementing Co., LLC.		@	
You are hereby requested to rent cementing equipment		@	
- A Thirty of the state of the		_	

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 Ward Loyd, Commissioner Thomas E. Wright, Commissioner

October 19, 2011

Allen Bangert Mai Oil Operations, Inc. 8411 PRESTON RD STE 800 DALLAS, TX 75225-5520

Re: ACO1 API 15-053-21265-00-00 Podlena 1 SW/4 Sec.14-16S-10W Ellsworth 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, Allen Bangert