

Kansas Corporation Commission Oil & Gas Conservation Division

131539

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? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	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 #:	County: Permit #:
GSW Permit #:	. 5
Spud Date or Date Reached TD Completion Date or Recompletion Date 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

1131539

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 per t-in pressures, whether s st, along with final chart(well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole 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	Nam	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			_	ew Used			
Durnous of String	Size Hole	Report all strings set-	conductor, surface, int	ermediate, producti Setting	on, etc. Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONAL	CEMENTING / SQI	IEEZE DECODO			
Purpose:	Depth			JEEZE RECORD	Time and F	Doroont Additivoo	
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATION Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	gs Set/Type		cture, Shot, Cement		l Depth
	Зреспу і	Octage of Lacri Interval Fer	lorateu	(Al	TIOUTIL ATTU KITIU OF WIE	iteriai Oseu)	Бериі
TUDING DECORD.	Si=a.	Cot Atı	Packer At:	Liner Dun			
TUBING RECORD:	Size:	Set At:	Packer At.	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf War	er Bl	bls. (Gas-Oil Ratio	Gravity
	ON OF GAS:		METHOD OF COMPL		amin ala -l	PRODUCTIO	N INTERVAL:
Vented Solo		Open Hole	Perf. Dually (Submit		nmingled mit ACO-4)		
(ii ventea, Sui	bmit ACO-18.)	Other (Specify)			l —		

Form	ACO1 - Well Completion		
Operator	Downing-Nelson Oil Co Inc		
Well Name	Pivonka Trust 1-33		
Doc ID	1131539		

All Electric Logs Run

Micro
Sonic
Dual Indcution
Compensated Density Neutron

Form	ACO1 - Well Completion	
Operator	Downing-Nelson Oil Co Inc	
Well Name	Pivonka Trust 1-33	
Doc ID	1131539	

Tops

Name	Тор	Datum
Top Anhydrite	1250'	+843
Base Anhydrite	1283'	+810
Topeka	3189'	-1096
Heebner	3422'	-1329
Toronto	3442'	-1349
LKC	3469'	-1376
ВКС	3737'	-1644
Marmaton	3796'	-1703
Arbuckle	3868'	-1775

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

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6595

Date 3-24-13 Sec.		County State On Location 12.95.
A	Locat	tion Lacirosse IW 345 Einto
Lease PIVONKa	Well No. 1-33	Owner
Contractor DISGGGY 4		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish
Type Job Suffuce	·.	cementer and helper to assist owner or contractor to do work as listed.
Hole Size 1 19	TD. 1259	Charge To
csg. 45%	Depth 1259	Street VOWNING - NEISON
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 30+1	Shoe Joint 30++	Cement Amount Ordered 450 Can 39600
Meas Line	Displace 78.2/4011	1296 Oxep
EQUIPM		Common 450
Pumptrk 5 No. Cementer/	itt	Poz. Mix
Bulktrk / No. Driver // Driver // P	++-	Gel. 9
Bulktrk Ju No. Driver Eu	,th	Calcium 16
JOB SERVICES	& REMARKS	Hulls
Remarks:	·	Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
1 1		Handling 47.5
cethen c	110	Mileage
		FLOAT EQUIPMENT
Cirulate	<u> </u>	Guide Shoe
		Centralizer
		Baskets
	,	AFU Inserts
		Float Shoe
1,00	111	Latch Down
Acad Wound None	ed ficted andra	Batle plote
		Butles Dua
That the sales		Pumptrk Charge / oda Surface
UV V VY		Mileage-37
		Tax
		Discount
Signature Moderation		Total Charge

TOMER			WELLNO			ruices, Inc. Date 3-30-13 Page
	owning A	Uson	WELL NO. 1-		LEASE Pivon	-a JOB TYPE 52 Long String TICKET NO. 24035
HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (DATE)	PUMPS T C	PRESSURE (PSI) TUBING CAS	DESCRIPTION OF OREGATION AND MATERIAL O
	0530					on location
	,					TO 3911 S5 21
						TP 3907 Insert 3886
		······································				52 * 14#
						Centralizers 1,3,5,7,4,11
						Basket 6
	0615	w				Start Cusing
	0745					Drop Ball circulate Rotate
	0830		7/5			Play AH 30 SRS MH 20 SKS
	0845	5	12	~	3.	e Start Mud Plush
						,
			70	1	30	2 Start Ke L Flush
	0855	5	30	/	20	Start Cenent
	0909			1		Drop Play
						vash out lump + Lines
	0910	6			,	Start Displacement
					300/	
	0430	·	94.8	·/	70/5	O land Plug
						heleise Dry
	0940					wash up Back up
	1015					506 Con Plete
						thank You
						Josh Boran Reb



Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019 Hays KS 67601

ATTN: Ron Nelson

Pivonka #1-33

33-17s-18w Rush,KS

Start Date: 2013.03.28 @ 07:25:45 End Date: 2013.03.28 @ 14:08:09 Job Ticket #: 52553 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Downing-Nelson Oil Co Inc

33-17s-18w Rush, KS

PO Box 1019

Pivonka #1-33
Job Ticket: 52553

DST#: 1

Hays KS 67601

ATTN: Ron Nelson

Test Start: 2013.03.28 @ 07:25:45

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:25 Time Test Ended: 14:08:09

Interval: 3480.00 ft (KB) To 3508.00 ft (KB) (TVD)

Total Depth: 3508.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Ray Schwager

Unit No: 42
Reference Elevations:

Tester:

2093.00 ft (KB)

209.

2085.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press@RunDepth: 43.57 psig @ 3485.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2013.03.28
 End Date:
 2013.03.28
 Last Calib.:
 2013.03.28

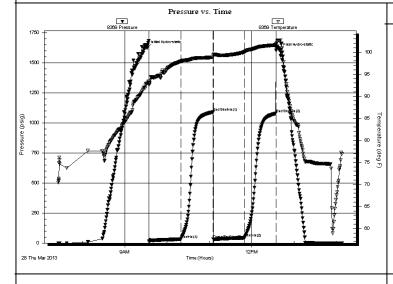
 Start Time:
 07:25:45
 End Time:
 14:08:09
 Time On Btm:
 2013.03.28 @ 09:31:55

 Time Off Btm:
 2013.03.28 @ 12:39:39

TEST COMMENT: 45-IFP-w k to strg in 18 min, started 1/2" bl

45-ISIP-no bl bk

45-FFP-fr to strg in 11 min , started 4" bl 45-FSIP-very wk surface bl bk , end of shut-in



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1623.23	92.90	Initial Hydro-static
3	13.57	92.53	Open To Flow (1)
48	32.34	97.92	Shut-In(1)
93	1088.81	98.84	End Shut-In(1)
94	32.99	99.24	Open To Flow (2)
138	43.57	100.05	Shut-In(2)
183	1076.48	101.61	End Shut-In(2)
188	1604.39	102.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	665'GIP	0.00
60.00	HO&GCM 20%G30%O50%M	0.57
20.00	co	0.28

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 52553 Printed: 2013.04.02 @ 09:46:33



Downing-Nelson Oil Co Inc

33-17s-18w Rush, KS

PO Box 1019

Pivonka #1-33
Job Ticket: 52553

Hays KS 67601

DST#: 1

ATTN: Ron Nelson

Test Start: 2013.03.28 @ 07:25:45

GENERAL INFORMATION:

Formation: LKC "C"

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

Time Tool Opened: 09:34:25 Tester: Ray Schwager

Time Test Ended: 14:08:09 Unit No:

Interval: 3480.00 ft (KB) To 3508.00 ft (KB) (TVD) Reference Elevations: 2093.00 ft (KB)

Total Depth: 3508.00 ft (KB) (TVD) 2085.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

 Press@RunDepth:
 psig
 @ 3485.00 ft (KB)
 Capacity:
 8000.00 psig

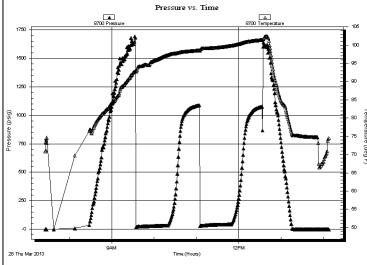
Start Date: 2013.03.28 End Date: 2013.03.28 Last Calib.: 2013.03.28

Start Time: 07:26:15 End Time: 14:07:24 Time On Btm: Time Off Btm:

TEST COMMENT: 45-IFP-w k to strg in 18 min, started 1/2" bl

45-ISIP-no bl bk

45-FFP-fr to strg in 11 min , started 4" bl 45-FSIP-very wk surface bl bk , end of shut-in



PRESSURE SI	UMMARY
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	I KESSOKE SOMMAKI							
Ī	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation				
	` '	57						
Tempera								
Temperature (deg F)								
ŋ								

Recovery

Description	Volume (bbl)
665'GIP	0.00
HO&GCM 20%G30%O50%M	0.57
∞	0.28
	665'GIP HO&GCM 20%G30%O50%M

Gas Rates

Cho	oke (inches) F	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 52553 Printed: 2013.04.02 @ 09:46:33



TOOL DIAGRAM

Downing-Nelson Oil Co Inc

33-17s-18w Rush,KS

PO Box 1019 Hays KS 67601 Pivonka #1-33

Job Ticket: 52553

DST#: 1

ATTN: Ron Nelson

Test Start: 2013.03.28 @ 07:25:45

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 3446.00 ft Diameter: 0.00 ft Diameter: 30.00 ft Diameter: 3.80 inches Volume: 48.34 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.15 bbl

48.49 bbl

Total Volume:

Tool Weight: 2200.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 60000.00 lb

Drill Pipe Above KB: 17.00 ft Depth to Top Packer:

3480.00 ft ft Tool Chased 0.00 ft String Weight: Initial 50000.00 lb

Depth to Bottom Packer: Interval between Packers: 28.00 ft Tool Length:

49.00 ft

Final 51000.00 lb

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3460.00		
Shut In Tool	5.00			3465.00		
Hydraulic tool	5.00			3470.00		
Packer	5.00			3475.00	21.00	Bottom Of Top Packer
Packer	5.00			3480.00		
Stubb	1.00			3481.00		
Perforations	4.00			3485.00		
Recorder	0.00	8369	Inside	3485.00		
Recorder	0.00	8700	Outside	3485.00		
Perforations	20.00			3505.00		
Bullnose	3.00			3508.00	28.00	Bottom Packers & Anchor

Total Tool Length: 49.00

Trilobite Testing, Inc Ref. No: 52553 Printed: 2013.04.02 @ 09:46:34



FLUID SUMMARY

ppm

Downing-Nelson Oil Co Inc 33-17s-18w Rush, KS

PO Box 1019 Hays KS 67601 Pivonka #1-33

Job Ticket: 52553 **DST#:1**

Water Salinity:

ATTN: Ron Nelson Test Start: 2013.03.28 @ 07:25:45

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 38 deg API

Mud Weight:9.00 lb/galCushion Length:ftViscosity:50.00 sec/qtCushion Volume:bbl

Viscosity:50.00 sec/qtCushion Volume:Water Loss:7.58 in³Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3500.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

	Length ft	Description	Volume bbl	
	0.00	665'GIP	0.000	
	60.00	HO&GCM 20%G30%O50%M	0.568	
İ	20.00	∞	0.281	

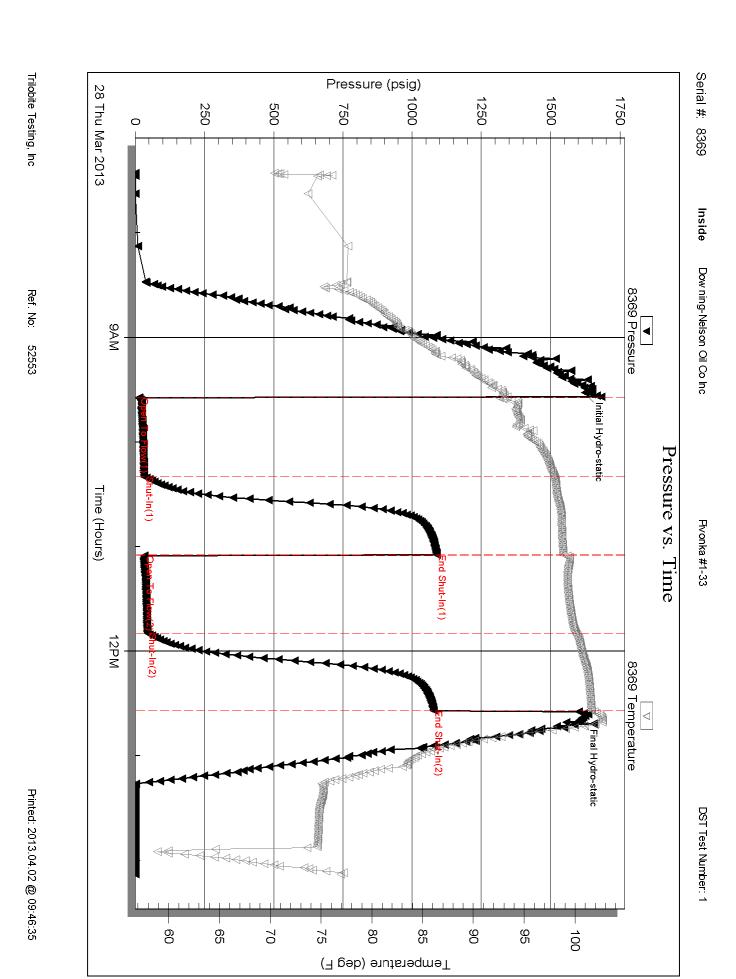
Total Length: 80.00 ft Total Volume: 0.849 bbl

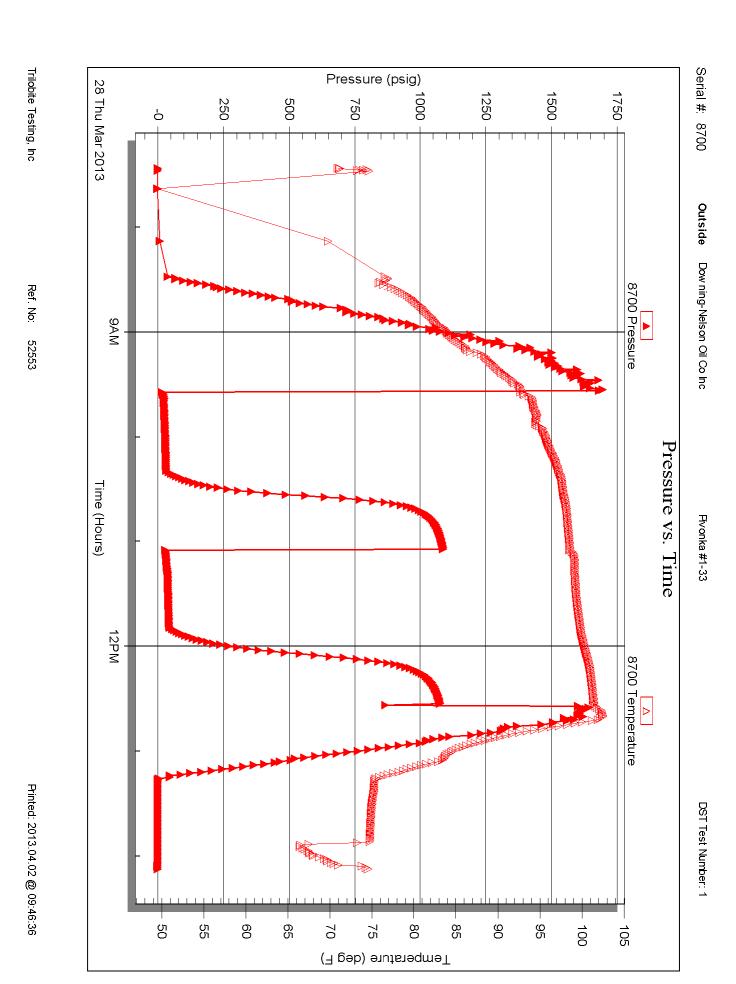
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 52553 Printed: 2013.04.02 @ 09:46:35







Test Ticket

NO. 52553

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No	Pivon KA =	#/-33	Test No.	/D	ate 3-28	3-13
	wring-Nelson		Flevation	2093	VD 2089	
Address Po	BOX 1019 HA	us K 676	o l	20/0	ND_NOO	GL GL
Co. Rep / Geo.	MARC DOWNING	/ /	Rig 015	COUPPU	1194	
	77	_Rge/8 ^w	co. Rusi		State K	
Interval Tested	3488-3508	Zone Tested				
	28	Drill Pipe Run _			wt. 8.8	
Top Packer Depth	7117	Drill Collars Run			50	
Bottom Packer Depth		Wt. Pipe Run	-		7.6	
Total Depth	770		3500 ppn		3#	
	IFP - Weak To					
	ISIP - NO Blow	i)	0,,,,,,	OTHER TE		
	FFP- TAIR TO S		1(1)	STARTED 4'	t	
	ESIP- Very Weak	Supface Blow	Blow End	of shuT-	N	
Rec 665	Feet of 6TP	JAK	%gas	%oil	%water	%mud
Rec 20	Feet of CO		%gas	%oil	%water	%mud
Rec 60	Feet of HO76CN	7	20%gas	30 %oil	%water	50 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of	MA AL	%gas	%oil	%water	%mud
-	O BHT /0	Gravity 38	API RW	@°F Ch	lorides	ppm
(A) Initial Hydrostatic_	The state of the s	Test 1150		T-On Locati	on <u>055</u>	5
(B) First Initial Flow_	13	☐ Jars		T-Started _		4
(C) First Final Flow _	20	☐ Safety Joint		T-Open	0938	
	1088	☐ Circ Sub		T-Pulled	1235	
(D) Initial Shut-In	22			T-Out	1408	
(E) Second Initial Flor	1/2	Hourly Standby _ Mileage _ 55		Comments		
(F) Second Final Flow	/					
(G) Final Shut-In	1076	☐ Sampler		_		
(H) Final Hydrostatic	1604	☐ Straddle		_ Ruined	Shale Packer	
		☐ Shale Packer		_ Ruined	Packer	
Initial Open	45	☐ Extra Packer			Copies	
Initial Shut-In	45	☐ Extra Recorder		_ Sub Total		
Final Flow	45	☐ Day Standby	200	Total13		
Final Shut-In	45	☐ Accessibility		MP/DST	Disc't	11. V
Control of San		Sub Total 1235	. 25	0/1	,	HANK
			ur Benresentative	KAU SCHU	Ager	7

Approved By

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss supered or sustained, prectly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Test Ticket

NO 50107

4/10	1515 Commerce	Parkway • Hays, Kansas (67601		1015		
Well Name & No.	PivonKa	*I-33	Test No		Date 3-29	- 13	
Company Dou	inny - Welso	n of Co Inc	-		KB		
Address							
Co. Rep / Geo.	Yarc Dowr	Why	Rig D	covery	#4		
Location: Sec.	3 3 Twp [75 Rge. 18w	co. Rust	1	State K	5	
Anchor Length					ud Wt		
			un		s		
					L		
			ppm		CM		
Blow Description							
	Picked	uptools @	3-29-13 (3:00)PM		
					1		
Rec	Feet of		%gas	%oil	%water	%mud	
				%oil	%water	%mud	
				%oil	%water	%mud	
				%oil	%water	%mud	
				%oil	%water	%mud	
		Gravity		°F C		ppm	
					tion		
C) First Final Flow		Safety Joint		T-Open			
D) Initial Shut-In		- A		T-Pulled _			
	v			T-Out			
			01	Comments	S		
		M. A.		-			
					☐ Ruined Shale Packer		
_							
nitial Open					d Packer		
			r	LANG.	Copies		
					85.25		
Final FlowFinal Shut-In		· ·			MP/DST Disc't		
mai Shut-iii		Sub Total 85.2			1 /	/	
			Our Representative	Cody 1	3/1		

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Our Representative_

