

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1226992

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:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.g. xx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd. CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached 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	1226992
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS: Chause important tang of formations parastrated	atail all aaraa Bapart all final	popios of drill stome tosts siving interval tosted, time tool

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sho	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		ion, 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 / SQU	EEZE RECORD	·		·
Durmagai	Dopth						

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

No

🗌 No

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record d of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	٦.	Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI		as.			METHOD	OF COMPLE			PRODUCTION INTER	RVAL ·
Vented Solo (If vented, Sul	J []	Jsed on Lease		Open Hole	Perf.	(Submit)	Comp.	Commingled (Submit ACO-4)		
(ii venieu, sui		-10.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Nicholson Unit 11-30
Doc ID	1226992

All Electric Logs Run

Dual Compensated Porosity Log	
Dual Induction Log	
Microresistivity Log	
Borehole Compensated Sonic Log	
Sector Bond / Gamma Ray CCL Log	

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Nicholson Unit 11-30
Doc ID	1226992

Tops

Name	Тор	Datum
Anhydrite	1675	598
B/Anhydrite	1717	556
Topeka	3276	-1003
Oread	3434	-1161
Heebner	3490	-1217
Toronto	3512	-1239
Lansing	3527	-1254
В	3562	-1289
D	3582	-1309
E	3600	-1327
G	3619	-1346
Н	3661	-1388
I	3679	-1406
J	3700	-1427
К	3715	-1442
L	3743	-1470
ВКС	3750	-1477
Marmaton	3774	-1501
Conglomerate	3805	-1532
Re-worked Arbuckle	3827	-1554
Clean Arbuckle	3844	1571

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Nicholson Unit 11-30
Doc ID	1226992

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	3828-49'	2,100 gal 15% MCA/FE	3828-49'
4	3859-64'	300 gal 15% MCA/FE	3859-64'
0	Composite BP	Set composite BP @ 3875'	3875'
4	3878-81'	no stimulation given	3878-81'
0	CIBP	Set CIBP @ 3902' and cap w/1 sack of cement	3902'
4	3905-09'	no stimulation given	3905-09'
4	3920-23'	no stimulation given	3920-23'
4	3963-65'	no stimulation given	3963-65'

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Nicholson Unit 11-30
Doc ID	1226992

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.2500	8.6250	23	217	Common	150	3% CC & 2% gel
Production	7.8750	5.50	15.50	4002	ASC	150	5# gilsonite
Production	7.8750	5.50	15.50	1681	Lite		60/40 poz 6% gel 1/4# floseal



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

INVOICE

Invoice Number: 145340 Invoice Date: Aug 27, 2014 Page: 1

- 46734 Page: 64,327.06SEP 1 11 2014

APPROVED SEP 0 9 2014

Customer ID	Field Ticket #	Payment	Terms
Land			Days
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Aug 27, 2014	9/26/14

Quantity	Item		cription	Unit Price	Amount
	WELL NAME	Nicholson Unit #11-30			
150.00	CEMENT MATERIALS	ASC		23.50	3,525.00
395.00	CEMENT MATERIALS	Light Weight		19.88	7,852.60
750.00	CEMENT MATERIALS	Gilsonite		0.98	735.00
25.00	CEMENT MATERIALS	Defoamer	SEP 1 0 2014	9.80	245.00
198.00	CEMENT MATERIALS	Flo Seal		2.97	588.06
500.00	CEMENT MATERIALS	Mud Flush		0.98	490.00
		CCL		34.40	172.00
545.00	CEMENT SERVICE	Cubic Feet Charge		2.48	1,351.60
485.00		Ton Mileage Charge		2.75	1,333.75
1.00	CEMENT SERVICE	Production Bottom Stage	NV 24	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production Top Stage	1, 1, 221	2,406.25	2,406.25
20.00	CEMENT SERVICE	Light Vehicle Mileage	4461 - OULDA	4.40	88.00
1.00	CEMENT SERVICE	Manifold Rental	APPROVED SEP 0.9 2014	· 275.00	275.00
40.00	CEMENT SERVICE	Heavy Vehicle Mileage	1100 0 0 0	7.70	308.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	1	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down	\$64,327.06	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 Stage Tool	\$ 64 227	5,335.00	5,335.00
2.00	EQUIPMENT SALES	5-1/2 Basket	1 4 1 5	395.00	790.00
11.00	EQUIPMENT SALES	5-1/2 Centralizer		57.00	627.00
1.00	CEMENT SUPERVISOR	Robert Yakubovich			
	ES ARE NET, PAYABLE	Subtotal		()	Continue
30 DAYS	FOLLOWING DATE OF	Sales Tax	0 •	Q	Continued
INVOICE	E. 1 1/2% CHARGED	Total Invoice Amount			Continue
THEREAF	TER. IF ACCOUNT IS	Payment/Credit Applied	31:419:24		
CURREN	T, TAKE DISCOUNT OF	TOTAL	7,595+26		Continued
\$	_5,533.99 Qala		.000		
	WC+ 200	pached	23+895-98		
ONLYIF	PAID ON OR BEFORE	Harra			
	Sep 20, 2014		I ALBANT		
			N/D		



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264 Invoice Number: 145340

Invoice Date: Aug 27, 2014 Page: 2

Customer ID	Field Ticket #	Payment Terms Net 30 Days	
Land	55308		
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	Aug 27, 2014	9/26/14

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		
1.00	OPERATOR ASSISTANT	Tracy Jordan		
	3			
		Subtotal		30,093.01
ALL PRICE	ES ARE NET, PAYABLE	Sales Tax		1,326.23
30 DAYS	FOLLOWING DATE OF E. 1 1/2% CHARGED	Total Invoice Amount		31,419.24
	TER. IF ACCOUNT IS			01,410.24
CURREN	T, TAKE DISCOUNT OF	Payment/Credit Applied		24 440 24
\$	5,533.99	TOTAL		31,419.24
	0,000.00			
	PAID ON OR BEFORE			
	Sep 26, 2014			

ALLIED OIL & GAS SERVICES, LLC 055308 Federal Tax I.D.# 20-5975804 REMITTO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 RUSSEll KS RANGE JOB START 6:30,14 TWP. CALLED OUT ON LOCATION JOB FINISH SEC. DATE 8-27-14 7:0004 Nicholson COUNTY STATE LOCATION Ell'S 1/5 8/2 1 21/24 WELL# 11-30 LEASE Unit KI OLD OR NEWS(Circle one) Ninto CONTRACTOR Martin OWNER TYPE OF JOB +wa Star HOLE SIZE 7 1/8 4010 T.D. CEMENT CASING SIZE 51/2 DEPTH 400 2 AMOUNT ORDERED 150 A.SC 15# gilson Ira/st 395 st Allied 1:+2 15.5 **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL stage tool 1700 DEPTH PRES. MAX MINIMUM COMMON 0 SHOE JOINT 42 MEAS, LINE POZMIX 0 CEMENT LEFT IN CSG. 112 GEL 6 PERFS. CHLORIDE @ 150 @ 23.50 94 40 14 3525-00 DISPLACEMENT Gnel ASC Allist Lizz 7852.60 @ 19.88 EQUIPMENT 375 735.00 Gilson: Re 750 @0.98 245.00 former 25 @ 7.90 CEMENTER Robert PUMP TRUCK 588.06 128 @ 2.97 fla Segl 409 HELPER Nathan i # Mud Plus 490.00-50034 @ 0.78 BULK TRUCK @34.40 172.00 DRIVER Kev:material 0 5 13607,66 BULK TRUCK @ 3401.91 Due 895-188 DRIVER Tracy HANDLING 54 @2.48 1351.60 sks MILEAGE 485 2.75 1333,75 **REMARKS:** TOTAL HEZTENT SERVICE 107 Sec DEPTH OF JOB 4002 Circalated 45 sts to pit on top 2765.75 PUMP TRUCK CHARGE EXTRA FOOTAGE Stage MILEAGE 20 LVAY @4.40 88.00 @275.00 275.00 MANIFOLD 40 HVMI Thank you !!! @7.70 308.00 @2406.25 2406.25 2nd stage CHARGE TO: Land mark Resources, Inc 8528.35 Aure 2732.08 TOTAL STATE STREET_ CITY_____STATE ___ ZIP PLUG & FLOAT EQUIPMENT 51/2 Wit AFU Elacishoe @545.00 545.00 WF Istad tool @ 660.00 660.00 Stage tool To: Allied Oil & Gas Services, LLC. WE baskins (2) @395.00 790.00 You are hereby requested to rent cementing equipment WE contra lizer (11) @ 57.00 627.00 and furnish cementer and helper(s) to assist owner or 1957.00 contractor to do work as is listed. The above work was TOTAL 2363-00 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any)-TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES _ 30,093.01 (25/2570 /0) IFFAID IN 30 DAYS DISCOUNT 5533,99 1201 PRINTED NAME hetto 14559.02 SIGNATURE



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

PA. 9/10/14 11730 41730 64,327.06

Invoice Date: Aug 21, 2014 Page: 1

INVOICE

Invoice Number: 145184

APPROVED SEP 0 8 2014

Customer ID	Field Ticket #	Payment Terms Net 30 Days	
Land	55305		
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Aug 21, 2014 9/20/	

Quantity	Item		Unit Price	Amount	
1.00	WELL NAME	Nicholson Unit #11-30			
150.00	CEMENT MATERIALS	Class A Common	CED I II and	17.90	2,685.00
282.00	CEMENT MATERIALS	Gel	SEP 1 0 2014	0.50	141.00
423.00	CEMENT MATERIALS	Chloride		1.10	465.30
150.00	CEMENT SERVICE	Cubic Feet Charge		2.48	372.00
141.00	CEMENT SERVICE	Ton Mileage Charge		2.75	387.75
1.00	CEMENT SERVICE	Surface		1,512.25	1,512.25
20.00	CEMENT SERVICE	Light Vehicle Mileage	SEP 1 0 2014	4.40	88.00
40.00	CEMENT SERVICE	Heavy Vehicle Mileage	2014	7.70	308.00
1.00	CEMENT SUPER VISOR	Robert Yakubovich			
1.00	EQUIPMENT OPERATOR	Nathan Donner			
1.00	EQUIPMENT OPERATOR	Kevin Rupp			
	170 Ph	HQ 34 27.06	0 • * 6 • 16 1 • 7 1 + 1 • 787 • 79 - 000 4 • 373 • 92 * +		
	S ARE NET, PAYABLE	Subtotal			5,959.30
	OLLOWING DATE OF	Sales Tax	-		202.41
	. 1 1/2% CHARGED TER. IF ACCOUNT IS	Total Invoice Amount			6,161.71
	, TAKE DISCOUNT OF	Payment/Credit Applie	d		
		TOTAL			6,161.71
\$	1,787.79				
	PAID ON OR BEFORE Sep 20, 2014				

ALLIED OIL & GAS SERVICES, LLC 055305 Federal Tax I.D.# 20-5975804 REMITTO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 Russell JOB START 10:301-COUNTY E111-3 SEC. TWP. RANGE CALLED OUT ON LOCATION JOB FINISH DATE 8-21-14 Nicholson LEASE UNIT 30 20 11:00PM STATE WELL# 11-30 LOCATION Eller KS 81/2 2/2W Kis OLD OK NEW (Circle one) Ninto CONTRACTOR ML 16 OWNER TYPE OF JOB. Sur frees HOLE SIZE 12.14 T.D. 🤜 220 CEMENT CASING SIZE 85/8 2.28 DEPTH 220 AMOUNT ORDERED 150 com 370 cc 22521 **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON 150 @ 17.90 2685.00 MEAS. LINE SHOE JOINT 15 POZMIX @ CEMENT LEFT IN CSG. 282 2 GEL 141 .00 @ 150 PERFS. 423:0 CHLORIDE @1,10 205 DISPLACEMENT 13 61 ASC @ EQUIPMENT @ material @ 3291.30 @ PUMP TRUCK CEMENTER Report 7 Dece @ 981.39 HELPER Nathan 409 @ BULK TRUCK 0 410 # DRIVER Vevie .@ BULK TRUCK 0 DRIVER # HANDLING 150 st @2.48 372.00 MILEAGE 141 +/m 75 387.75 **REMARKS**: TOTAL 4651.05 See 109 SERVICE DEPTH OF JOB 220 20 sts Circulated to pit PUMP TRUCK CHARGE 1512,25 EXTRA FOOTAGE @ MILEAGE 20 L @4.40 88.00 MANIFOLD @ Theat you!!! @7.70 308.00 0 CHARGE TO: Landmart Resources 2668,00 Dise Sou. 40 TOTAL 1908-25 STREET ____ CITY_____ STATE ZIP PLUG & FLOAT EQUIPMENT 0 @ To: Allied Oil & Gas Services, LLC. @ @ You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or TOTAL contractor. I have read and understand the "GENERAL SALES TAX (If Any)_ TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES 5959.30 3.07 FEAID IN 30 DAYS PRINTED NAME DISCOUNT 1787.79 het \$ 41. SIGNATURE

11,5	T	

12

Landmark Resources, Inc.

30-11s-20w Ellis, KS

Nicholson Unit 11-30

DST # 1

Oread-Toronto

2014.08.25



DRILL STEM TEST REPORT

Prepared For:

Landmark Resources, Inc.

1616 S Voss Rd STE 600 Houston, TX 77057

ATTN: Saman Sharifaie

Nicholson Unit 11-30

30-11s-20w Ellis, KS

 Start Date:
 2014.08.25 @ 00:11:00

 End Date:
 2014.08.25 @ 10:10:00

 Job Ticket #:
 58737
 DST #:
 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.29 @ 14:24:08

RILOBITE	DRILL STEM TES	TREP	ORT				
	Landmark Resources, Inc.		30-	11s-20w	/ Ellis, KS		
ESTING , INC	1616 S Voss Rd STE 600 Houston, TX 77057		10.00	holson Ticket: 58	Unit 11-30	DST#:1	
	ATTN: Saman Sharifaie				014.08.25 @		
GENERAL INFORMATION:							
Formation:Oread-TorontoDeviated:NoWhipstock:Time Tool Opened:04:17:30Time Test Ended:10:10:00	ft (KB)		Tes	ter:	Conventional Phillip Gage 77	Bottom Hole	e (Initial)
Interval: 3413.00 ft (KB) To 35 Total Depth: 3530.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	D)		Ref	erence Ele KB t	evations: to GR/CF:	2273.00 2268.00 5.00	ft (CF)
Serial #: 8898 Outside Press@RunDepth: 367.25 psig 367.25 psig Start Date: 2014.08.25 Start Time: 00:11:01		2014.08.25 10:10:00	Capacity Last Cali Time On Time Off	b.: Btm: 2	2 2014.08.25 @ 2014.08.25 @		psig
TEST COMMENT: 30-IF-BOB in 1 mi 60-ISI-No Return 60-FF-BOB in 13 90-FSI-No Return	mins						
Pressure vs. Ti T			Pf	RESSUF	RE SUMMA	ARY	
Ag 22H	Torganize Bill Torganize Torgan	Time (Min.) 2 30 90 91 150 239 243	Pressure (psig) 1647.17 158.30 257.32 1294.08 276.61 367.25 1164.63 1598.03	Temp (deg F) 106.16 109.55 111.35 112.11 111.33 111.25	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In	n -static ow (1) (1) ow (2) (2)	
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure	e (psig) Gas	Rate (Mcf/d)
189.00 VSOGWCM, 5%o, 15%g, 252.00 VSOGWCM, 5%o, 5%g, 5 312.00 M,100%m, w ith oil spots							
Trilohite Testing, Inc.	Pof No: 58737				2014 08 20 /		

Trilobite Testing, Inc

Printed: 2014.08.29 @ 14:24:08

	DRILL STEM TES	ST REP	ORT		
A STATISTICS AND A STATISTICS	Landmark Resources, Inc.		30-11s-20	w Ellis, KS	3
ESTING , INC	1616 S Voss Rd STE 600		Nicholson	n Unit 11-3	0
	Houston, TX 77057		Job Ticket:	58737	DST#:1
	ATTN: Saman Sharifaie		Test Start: 2	2014.08.25 @	00:11:00
GENERAL INFORMATION:					
Formation:Oread-TorontoDeviated:NoWhipstock:Time Tool Opened:04:17:30Time Test Ended:10:10:00	ft (KB)		Test Type: Tester: Unit No:	Convention Phillip Gage 77	al Bottom Hole (Initial)
Interval: 3413.00 ft (KB) To 35			Reference E	evations:	2273.00 ft (KB)
Total Depth: 3530.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole			KE	to GR/CF:	2268.00 ft (CF) 5.00 ft
Serial #: 8897 Inside		P. M. C. 1922 No. 2 Concernant 1			
Serial #: 0097InsidePress@RunDepth:psigStart Date:2014.08.25Start Time:00:11:12	 3414.00 ft (KB) End Date: End Time: 	2014.08.25 10:10:11	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2014.08.25
TEST COMMENT: 30-IF-BOB in 1 m 60-ISI-No Return 60-FF-BOB in 13 90-FSI-No Return	mins		DDESSI		
A 2853/Hessure	111C 25597 Tempendure 115	Time	PRESSU Pressure Temp	RE SUMM	
200 200 200 200 200 200 200 200		(Min.)	(psig) (deg F		
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Choke	(inches) Pressu	ure (psig) Gas Rate (Mcf/d)
	100/11 100/10 210				
189.00 VSOGWCM, 5% o, 15% g,					
252.00 VSOGWCM, 5%o, 5%g, 5	%w,85%m 3.53				
252.00 VSOGWCM, 5%o, 5%g, 5					
252.00 VSOGWCM, 5%o, 5%g, 5	%w,85%m 3.53			8	

Trilobite Testing, Inc

Printed: 2014.08.29 @ 14:24:08

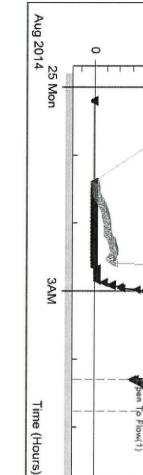
Tool Information Tool Weight: 2500,00 lb Drill Pipe: Length: 3391,00 ft Diameter: 2,75 inches Volume: 0,00 bb Weight set on Packer: 2500,00 lb Drill Collar: Length: 28,00 ft Diameter: 2,75 inches Volume: 0,00 bb Weight set on Packer: 2500,00 lb Drill Pipe Above KB: 33.00 ft Diameter: 2,25 inches Volume: 0,14 bbl Weight to Pull Loose: 54000,00 lb Depth to Top Packer: 3413.00 ft Total Volume: 47.71 bbl Tool Chased 0.00 ft Depth to Top Packer: 3413.00 ft Total Volume: 47.71 bbl Tool Chased 0.00 ft Depth to Bottom Packer: 117.00 ft Tool Length: 1144.00 ft String Weight: Initial 47000,00 lb Number of Packers: 2 Diameter: 6.75 inches String Veight: Strin	RILOBI TESTII	IE NG , INC 1616 Houst	ILL STE mark Resource S Voss Rd ST ton, TX 77057	es, Inc. 1E 600		30-11s-20w Ell Nicholson Uni Job Ticket: 58737 Test Start: 2014.0	it 11-3	0 DST#:1
Drill Fipe: Length: 3391.00 ft Diameter: 3.80 inches Volume: 47.57 bbl Tool Weight: 2500.00 lb Heavy Wt. Pipe: Length: 2.00 ft Diameter: 2.75 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Collar: Length: 28.00 ft Diameter: 2.75 inches Volume: 0.14 bbl Weight set on Packer: 54000.00 lb Drill Pipe Above KB: 33.00 ft Total Volume: 47.71 bbl Weight to Pull Losse: 54000.00 lb Depth to Top Packer: 3413.00 ft Total Volume: 47.71 bbl Total Volume: 47.71 bbl String Weight: 144.00 0t Number of Packers: 117.00 ft Total Volume: 6.75 inches Sag1.00 String Weight: 47.00 Shut In Tool 5.00 3391.00 3391.00 String Weight: 47.00 String Weight: 500 3401.00 Safety Joint 2.00 5.00 3403.00 27.00 Bottom Of Top Packer Subb 1.00 8897 Inside 3413.00 String Weight Se								
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.75 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Collar: Length: 28.00 ft Diameter: 2.25 inches Volume: 0.14 bbl Weight set on Packer: 25000.00 lb Drill Pipe Above KB: 33.00 ft Total Volume: 47.71 bbl Weight set on Packer: 2000.00 lb Depth to Top Packer: 3413.00 ft Total Volume: 47.71 bbl String Weight: Initial 47000.00 lb Depth to Bottom Packer: ft Interval between Packers: 117.00 ft String Weight: Initial 47000.00 lb Number of Packers: 2 Diameter: 6.75 inches 3391.00 String Weight: Initial 47000.00 lb Shut In Tool 5.00 3391.00 3396.00 3396.00 3408.00 27.00 Bottom Of Top Packer Shut In Tool 5.00 3401.00 3408.00 27.00 Bottom Of Top Packer Shut In Tool 5.00 3401.00 3408.00 27.00 Bottom Of Top Packer Shut In Tool 5.00 3408.00 27.00 Bottom Of Top Packer 5	Tool Information							
Drill Pipe Above KB: 33.00 ft String Weight: Initial 47000.00 lb Depth to Top Packer: 3413.00 ft Final 52000.00 lb Depth to Bottom Packers: 117.00 ft 52000.00 lb Interval betw een Packers: 114.00 ft String Weight: Initial 47000.00 lb Number of Packers: 2 Diameter: 6.75 inches Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Shut In Tool 5.00 3391.00 Hydraulic tool 5.00 3401.00 Safety Joint 2.00 3403.00 Packer 5.00 3403.00 Packer 5.00 3403.00 Packer 5.00 3403.00 Packer 5.00 3413.00 Stubb 1.00 8897 1640.0 Recorder 0.00 8897 1641.00 Perforations 17.00 3431.00 1641.00 Recorder 0.00 8898 0utside 3414.00 Perforations 17.00 3432.00 17.00 17.00 Change Over Sub 1.00 3526.00 <t< th=""><td>Heavy Wt. Pipe: Length:</td><td>0.00 ft Diamete</td><td>r: 2.75 i</td><td>nches Volume: nches Volume:</td><td>0.00 bb 0.14 bb</td><td>Weight set on I Weight to Pull L</td><td></td><td>25000.00 lb 54000.00 lb</td></t<>	Heavy Wt. Pipe: Length:	0.00 ft Diamete	r: 2.75 i	nches Volume: nches Volume:	0.00 bb 0.14 bb	Weight set on I Weight to Pull L		25000.00 lb 54000.00 lb
Tool Length: 144.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Comments: Depth (ft) Accum. Lengths Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Shut In Tool 5.00 3391.00 Accum. Lengths Accum. Lengths Jars 5.00 3396.00 Jars 5.00 Jars Safety Joint 2.00 3403.00 Packer 5.00 Stitub Packer 5.00 3413.00 Stubb 1.00 Stitub	Depth to Top Packer: 34	413.00 ft		Total Volume:	47.71 bb	String Weight:		47000.00 lb
Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Shut In Tool 5.00 3391.00 3391.00 3396.00 3396.00 Hydraulic tool 5.00 3401.00 3401.00 3401.00 Safety Joint 2.00 3408.00 27.00 Bottom Of Top Packer Packer 5.00 3413.00 27.00 Bottom Of Top Packer Packer 5.00 3414.00 3414.00 100 3414.00 Recorder 0.00 8897 Inside 3413.00 100	Tool Length:	144.00 ft	r: 6.75 in	nches				
Jars 5.00 3401.00 Safety Joint 2.00 3403.00 Packer 5.00 3408.00 27.00 Bottom Of Top Packer Packer 5.00 3413.00 500 500 500 Packer 5.00 3414.00 500								
Jars 5.00 3401.00 Safety Joint 2.00 3403.00 Packer 5.00 3408.00 27.00 Bottom Of Top Packer Packer 5.00 3413.00 500 500 500 Packer 5.00 3414.00 500	Tool Description		Serial No.	Position		Accum. Lengths		
Safety Joint 2.00 3403.00 Packer 5.00 3408.00 27.00 Bottom Of Top Packer Packer 5.00 3413.00 27.00 Bottom Of Top Packer Packer 5.00 3414.00 27.00 Bottom Of Top Packer Stubb 1.00 3497 Inside 3414.00 2	Shut In Tool	5.00	Serial No.	Position	3391.00	Accum. Lengths		
Packer 5.00 3408.00 27.00 Bottom Of Top Packer Packer 5.00 3413.00 3414.00 500	Shut In Tool Hydraulic tool	5.00 5.00	Serial No.	Position	3391.00 3396.00	Accum. Lengths		
Packer 5.00 3413.00 Stubb 1.00 3414.00 Recorder 0.00 8897 Inside 3414.00 Recorder 0.00 8898 Outside 3414.00 Perforations 17.00 8898 Outside 3414.00 Change Over Sub 1.00 3431.00 526.00 Drill Pipe 94.00 3526.00 5527.00 Bullnose 3.00 3530.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars	5.00 5.00 5.00	Serial No.	Position	3391.00 3396.00 3401.00	Accum. Lengths		
Stubb 1.00 3414.00 Recorder 0.00 8897 Inside 3414.00 Recorder 0.00 8898 Outside 3414.00 Recorder 0.00 8898 Outside 3414.00 Perforations 17.00 8898 Outside 3431.00 Change Over Sub 1.00 3432.00 Jatabaa Drill Pipe 94.00 3526.00 Jatabaa Change Over Sub 1.00 3527.00 Jatabaa Bullnose 3.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint	5.00 5.00 5.00 2.00	Serial No.	Position	3391.00 3396.00 3401.00 3403.00			Bottom Of Top Packer
Recorder 0.00 8898 Outside 3414.00 Perforations 17.00 3431.00 Change Over Sub 1.00 3432.00 Drill Pipe 94.00 3526.00 Change Over Sub 1.00 3527.00 Bullnose 3.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer	5.00 5.00 5.00 2.00 5.00	Serial No.	Position	3391.00 3396.00 3401.00 3403.00 3408.00			Bottom Of Top Packer
Perforations 17.00 3431.00 Change Over Sub 1.00 3432.00 Drill Pipe 94.00 3526.00 Change Over Sub 1.00 3527.00 Bullnose 3.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	5.00 5.00 5.00 2.00 5.00 5.00	Serial No.	Position	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00			Bottom Of Top Packer
Change Over Sub 1.00 3432.00 Drill Pipe 94.00 3526.00 Change Over Sub 1.00 3527.00 Bullnose 3.00 3530.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	5.00 5.00 5.00 2.00 5.00 5.00 1.00			3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00			Bottom Of Top Packer
Drill Pipe 94.00 3526.00 Change Over Sub 1.00 3527.00 Bullnose 3.00 3530.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00	8897	Inside	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00 3414.00			Bottom Of Top Packer
Change Over Sub 1.00 3527.00 Bullnose 3.00 3530.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 0.00	8897	Inside	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00 3414.00 3414.00			Bottom Of Top Packer
Bullnose 3.00 3530.00 117.00 Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 0.00 17.00	8897	Inside	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00 3414.00 3414.00 3431.00			Bottom Of Top Packer
	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub	5.00 5.00 5.00 2.00 5.00 1.00 0.00 17.00 1.00	8897	Inside	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00 3414.00 3414.00 3431.00 3432.00			Bottom Of Top Packer
	Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub	5.00 5.00 5.00 2.00 5.00 5.00 1.00 0.00 17.00 1.00 94.00	8897	Inside	3391.00 3396.00 3401.00 3403.00 3408.00 3413.00 3414.00 3414.00 3414.00 3431.00 3432.00 3526.00			Bottom Of Top Packer

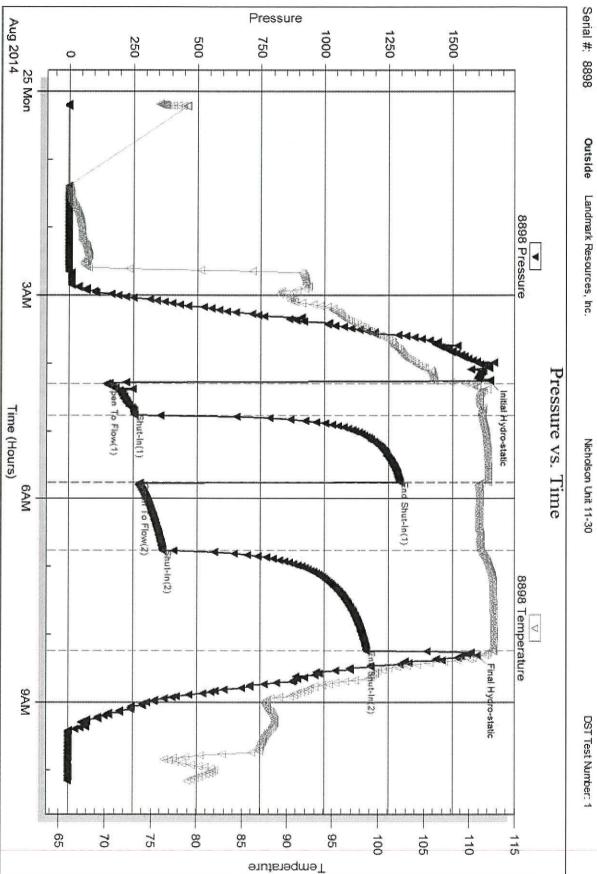
Image: Construction of the second	
Houston, TX 77057 Job Ticket: 58737 DST# ATTN: Saman Sharifaie Test Start: 2014.08.25 @ 00:11:00 Mud and Cushion Information Mud Type: Gel Chem Oil API: Mud Yupe: 9.00 lb/gal Cushion Type: Oil API: Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 59.00 sec/qt Cushion Volume: bbl bd Water Loss: 7.59 in* Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm Filter Cake: 2.00 inches Recovery Table Ecovery Table Image: Mark State Stat) deg API
ATTN: Saman Sharifaie Test Start: 2014.08.25 @ 00:11:00 Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil AP: Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 59.00 sec/qt Cushion Volume: bbl Water Loss: 7.59 in ³ Gas Cushion Type: Beistivity: ohm.m Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm Elevery Table Elevery Table Length Description Volume bbl 189.00 VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M.100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 0 Serial #:) deg API
Wud Type: Gel Chem Cushion Type: Oil API: Wud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 59.00 sec/qt Cushion Volume: bbl Nater Loss: 7.59 in³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm 900.00 ppm iiter Cake: 2.00 inches recovery Table Recovery Information Volume: bbl Non VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location: 10.308 bbl	
Vulud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: /iscosity: 59.00 sec/qt Cushion Volume: bbl Nater Loss: 7.59 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm	
Alud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: /iscosity: 59.00 sec/qt Cushion Volume: bbl Nater Loss: 7.59 in³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm iitler Cake: 2.00 inches Recovery Information Recovery Table Length Description Volume 189.00 VSOGVCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGVCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Nater Loss: 7.59 in³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 900.00 ppm itler Cake: 2.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume bbl 189.00 VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Kerial #:	
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alinity: 900.00 ppm ilter Cake: 2.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume 189.00 VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Iter Cake: 2.00 inches Recovery Information Recovery Table Length Description Volume ft Description Volume 189.00 VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Content Content	
Recovery Information Recovery Table Length Description Volume 189.00 VSOGWCM, 5%o, 15%g, 40%w, 40%m 2.396 252.00 VSOGWCM, 5%o, 5%g, 5%w, 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
Recovery TableLength ftDescriptionVolume bbl189.00VSOGWCM, 5%o, 15%g, 40%w, 40%m2.396252.00VSOGWCM, 5%o, 5%g, 5%w, 85%m3.535312.00M,100%m, with oil spots4.377Total Length:753.00 ftTotal Volume:10.308 bblNum Fluid Samples:0Serial #:Laboratory Name:Laboratory Location:	
Length ftDescriptionVolume bbl189.00VSOGWCM, 5%o, 15%g, 40%w, 40%m2.396252.00VSOGWCM, 5%o, 5%g, 5%w, 85%m3.535312.00M,100%m, with oil spots4.377Total Length:753.00 ftTotal Volume:10.308 bblNum Fluid Samples:0Num Gas Bombs:0Laboratory Name:Laboratory Location:Serial #:	
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252.00 V SOGWCM, 5%o, 5%g, 5%w , 85%m 3.535 312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: 5%	
312.00 M,100%m, with oil spots 4.377 Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location:	
Total Length: 753.00 ft Total Volume: 10.308 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Laboratory Name: Laboratory Location:	



Ref. No: 58737

Triobite Testing, Inc







58737

Trilobite Testing, Inc

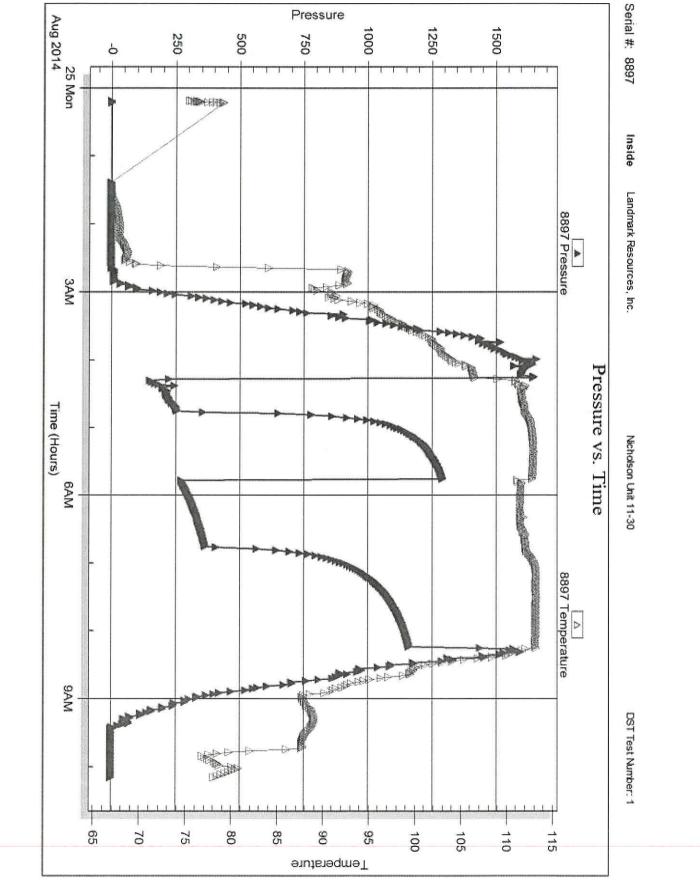
Aug 2014

6

250

500

Ref. No:



Pressure

750

1000 -

1250

1500 -

4/10 RILOBITE ESTING INC. 1515 Commerce Parkway		01		Ticket 58737	
Well Name & No. Michalson Unit # Company <u>Landmark</u> Resources, J Address <u>Hollo S Voss RD 5TE 600</u> Co. Rep / Geo. <u>Saman Sharafalic</u> / J Location: Sec. <u>30</u> Twp. <u>//s</u> Interval Tested <u>34/3</u> - <u>3530</u> Anchor Length <u>117</u> Top Packer Depth <u>3408</u> Bottom Packer Depth <u>3413</u> Total Depth <u>3530</u> Blow Description <u>TF-BOB in 1 mile</u> <u>TST-No Return</u>		Test No Elevation X 77057 RigMurf CoEllis Or796 - To 3391 28 0 ppm S	273 1) 16 <i>vonto</i> 	Date <u>8-2</u> KB <u>276</u> State Mud Wt. <u>8</u> VL <u>76</u> CM <u>2</u> #	and the second
Rec 252' Feet of USOGWCM Rec 312' Feet of M, with oil	hs Spolg	15%gas 5%gas %gas	%oil %oil %oil	46 %water 5 %water %water	40 %mud 85 %mud 100%mud
Rec Feet of Rec Feet of Rec Total		%gas %gas API RW_ <u>15/</u> @_		%water %water Chlorides <u>13,0</u>	
(A) Initial Hydrostatic 16977 (B) First Initial Flow 158 (C) First Final Flow 257 (D) Initial Shut-In 1294 (E) Second Initial Flow 276 (F) Second Final Flow 367 (G) Final Shut-In 1169	 Test 1150 Jars 250 Safety Joint Circ Sub Hourly Standby Mileage \$\$ Sampler 	RT 89.90	T-Started T-Open T-Pulled T-Out	ation <u>72,55</u> 00,11 04,16 08,16 08,16 0,10 ts	
(H) Final Hydrostatic $1,598$ Initial Open 30 Initial Shut-In 60 Final Flow 60 Final Shut-In 90	 Straddle Shale Packer Extra Packer Extra Recorder Day Standby Accessibility Sub Total 1564. 		Ruine Extra Sub Total Total		
			111 9	1 -1	1.11.1

Approved By ____



DRILL STEM TEST REPORT

Prepared For:

Landmark Resources, Inc.

1616 S Voss Rd STE 600 Houston, TX 77057

ATTN: Saman Sharifaie

Nicholson Unit 11-30

30-11s-20w Ellis, KS

 Start Date:
 2014.08.26 @ 08:55:23

 End Date:
 2014.08.26 @ 12:45:13

 Job Ticket #:
 60509
 DST #: 2

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.29 @ 14:23:28

	DRILL STEM TES	ST REP	ORT	
RILOBITE	Landmark Resources, Inc.		30-11s-20w I	Ellis, KS
ESTING , INC	1616 S Voss Rd STE 600 Houston, TX 77057		Nicholson U	
	ATTN: Saman Sharifaie		Job Ticket: 605 Test Start: 201	4.08.26 @ 08:55:23
GENERAL INFORMATION:				
Formation: Arbuckle Deviated: No Whipstock: Time Tool Opened: Time Test Ended: 12:45:13	ft (KB)		souther the state of the state	onventional Bottom Hole (Reset) ate Lang 7
otal Depth: 3885.00 ft (KB) (T	885.00 ft (KB) (TVD) VD) e Condition: Fair		Reference ⊟ev KB to	ations: 2273.00 ft (KB) 2268.00 ft (CF) GR/CF: 5.00 ft
Gerial #: 8898 Outside Press@RunDepth: psig Start Date: 2014.08.26 Start Time: 08:55:24	End Date: End Time:	2014.08.26 12:45:13	Capacity: Last Calib.: Time On Btm: 20 Time Off Btm:	8000.00 psig 2014.08.26 014.08.26 @ 10:53:43
Pressure vs.	Time		PRESSURE	E SUMMARY
200 720 720 720 720 720 720 720	BEE Improdue 100 100 100 100 100 100 100 10	Time (Min.) 0 5	and the second sec	Annotation nitial Hydro-static nitial Hydro-static
Recovery				
Length (ft) Description 150.00 100%M	Volume (bbl) 1.83		Choke (inc	hes) Pressure (psig) Gas Rate (Mct/d)

	DRILL STEM TES	T REPO	DRT				
	Landmark Resources, Inc.		30-11s-20v	30-11s-20w Ellis, KS			
ESTING , INC	1616 S Voss Rd STE 600	Nicholson Unit 11-30					
	Houston, TX 77057		Job Ticket: 6	60509	DST#: 2		
MOR	ATTN: Saman Sharifaie		Test Start: 2	2014.08.26 @	08:55:23		
GENERAL INFORMATION:							
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:12:45:13	ft (KB)		Test Type: Tester: Unit No:	Conventiona Tate Lang 77	l Bottom Hole (Reset)		
Interval:3824.00 ft (KB) To388Total Depth:3885.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Reference E KB	levations: to GR/CF:	2273.00 ft (KB) 2268.00 ft (CF) 5.00 ft		
Serial #: 8897InsidePress@RunDepth:psigStart Date:2014.08.26Start Time:08:55:25	3825.00 ft (KB) End Date: End Time:	2014.08.26 12:45:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2014.08.26		
Pressure vs. The second	THC BU (mpoder 100 55 55 55 55 55 55 55 55 55		PRESSU Pressure Temp (psig) (deg F)	RE SUMM.			
279 279 279 279 279 270 270 270 270 270 270 270 270	Volume (bbl) 1.83			as Rates (inches) Pressu	re (psig) Gas Rate (Mct/d)		
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 60509			1: 2014.08.29			

Trilobite Testing, Inc

Printed: 2014.08.29 @ 14:23:29

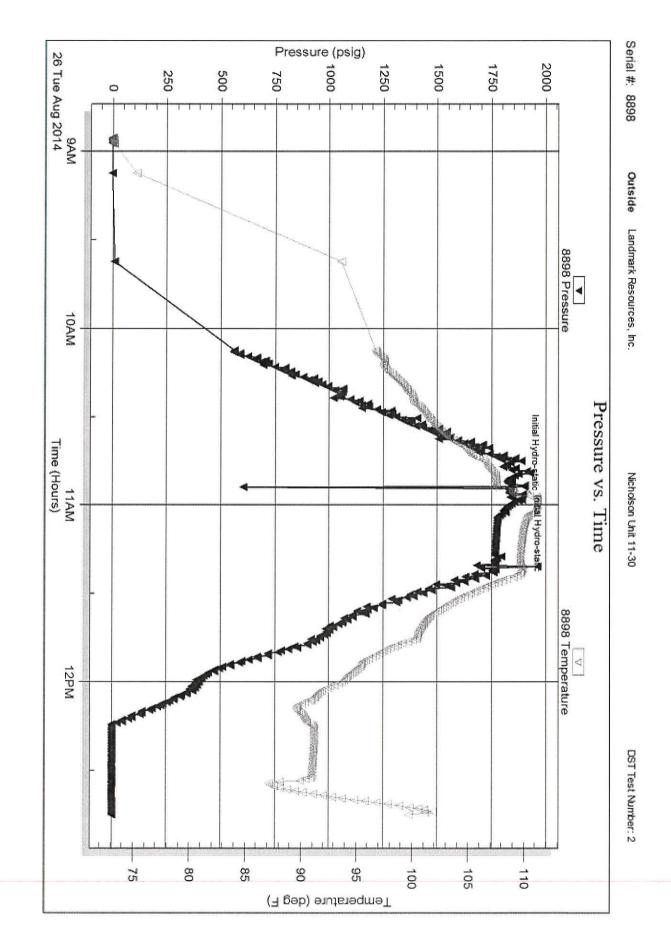
(TRILO	RITE	DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRA
		Landma	ark Resource	s, Inc.		30-11s-20w Ellis	s, KS
ES ES	TING , INC	1616 S	Voss Rd ST	E 600		Nicholson Unit	11-30
		Houstor	n, TX 77057			Job Ticket: 60509	DST#:2
N 57		ATTN:	Saman Sha	rifaie		Test Start: 2014.08	.26 @ 08:55:23
Tool Information		_					
Drill Pipe: Length:	3800.00 ft	Diameter:	3.80 ir	ches Volume:	53.30 bb	I Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Length:		Diameter:		ches Volume:		2010 - 540 944 200 000 10 0 0000	acker: 25000.00 lb
Drill Collar: Length:	30.00 ft	Diameter:	2.25 ir	iches Volume:	0.15 bb	Weight to Pull Lo	ose: 58000.00 lb
Drill Pipe Above KB:	33.00 ft			Total Volume:	53.45 bb		0.00 ft
Depth to Top Packer:	3824.00 ft					String Weight: In	
Depth to Bottom Packer:	5024.00 ft					F	inal 52000.00 lb
Interval between Packers:							
Tool Length:	88.00 ft						
Number of Packers:	2	Diameter:	6.75 in	iches			
Tool Comments:							
Tool Description	Lei		Serial No.	Position		Accum. Lengths	
Shut In Tool		5.00			3802.00		
Hydraulic tool		5.00			3807.00		
Jars		5.00			3812.00		
Safety Joint		2.00			3814.00		
Packer		5.00			3819.00	27.00	Bottom Of Top Packer
Packer		5.00			3824.00		
Stubb		1.00			3825.00		
Recorder		0.00	8897	Inside	3825.00		
Recorder		0.00	8898	Outside	3825.00		
Perforations		23.00			3848.00		
Change Over Sub		1.00			3849.00		
		22.00			3881.00		
Drill Pipe		32.00					
Change Over Sub		1.00			3882.00		
Change Over Sub Bullnose		1.00 3.00				61.00	Bottom Packers & Anchor
Change Over Sub Bullnose	ol Length:	1.00			3882.00	61.00	Bottom Packers & Ancho
Change Over Sub Bullnose	l Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose	I Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose) Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose) Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose	I Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose) Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose)I Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose) Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose	I Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor
Change Over Sub Bullnose) Length:	1.00 3.00			3882.00	61.00	Bottom Packers & Anchor

	RITE I	DRILL ST	EM TEST REPO	ORT	FLU	JID SUMMARY
RILOBITE		Landmark Resour	rces, Inc.	30-11s-2	20w Ellis, KS	
		1616 S Voss Rd S Houston, TX 770			Nicholson Unit 11-30 Job Ticket: 60509 DST#: 2	
	ATTN: Saman Sharifaie				: 2014.08.26 @ 08:55	:23
ud and Cushion Infe	ormation					
alinity: 2100.00 p	sec/qt n³ ohm.m	CL CL Gi	ushion Type: ushion Length: ushion Volume: as Cushion Type: as Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm
ecovery Information	ı					
		R	ecovery Table			
	Length ft		Description	Volume bbl)	
		50.00 100%M			331	
To	tal Length:	150.00 ft	Total Volume: 1.83	31 bbl		
Re	covery Comme	ents:				

Printed: 2014.08.29 @ 14:23:30

Ref. No: 60509

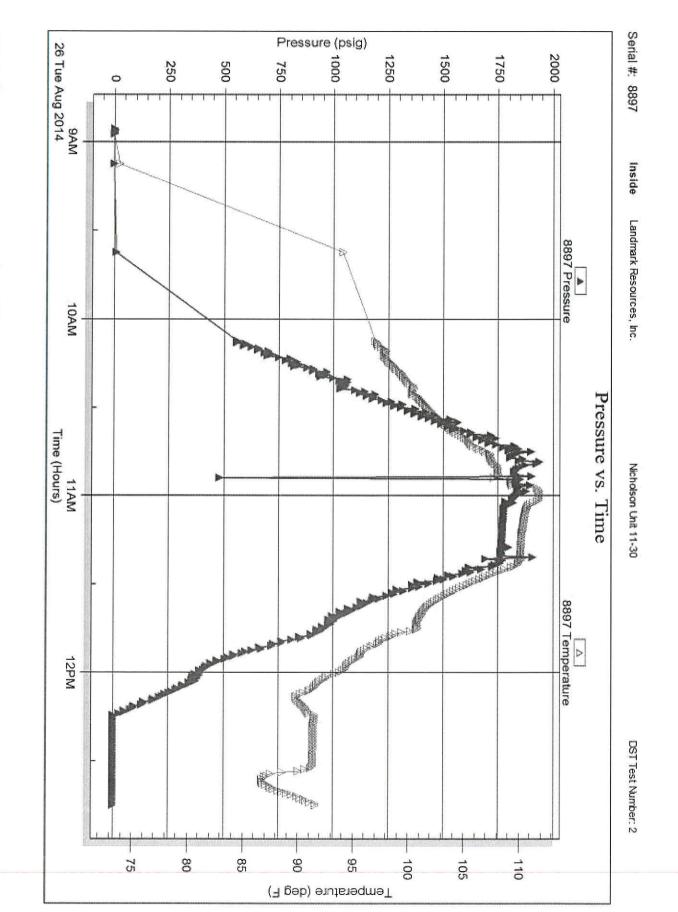
Trilobite Testing, Inc





Ref. No: 60509

Trilobite Testing, Inc



4/10	RILOBITE ESTING INC. 1515 Commerce Parkway				Ficket 60509	
Well Name & No. Company ON Address / ON Co. Rep / Geo. So Location: Sec Interval Tested 38 Anchor Length Top Packer Depth Bottom Packer Depth Total Depth	<u>Ce</u> (<u>3819</u>	5 TVC. E (000 Hous Jefflied Rge. 20w co	Test No. 227 Elevation 227 Rig $Mu-F$ E/lis E	23 776 in 1 Wi Wi	1/14	14GL
Blow Description	Pacher	failure	Ų			
Rec	Feet of		%gas	%oil	%water	%mud
Rec Rec15_0	Feet of		%gas %gas	%oil %oil	%water %water	%mud %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Eact of		%gas	%oil	%water	%mud
Rec Total /2' (A) Initial Hydrostatic_ (B) First Initial Flow (C) First Final Flow (D) Initial Shut-In (E) Second Initial Flow (F) Second Final Flow (G) Final Shut-In (H) Final Hydrostatic Initial Open Initial Shut-In Final Flow Final Shut-In Final Shut-In		Test 950 Jars 250 Safety Joint 75 Circ Sub	<u>289.90</u> 89.90	T-On Loca T-Started T-Open T-Pulled T-Out Comment	1655 245 s <u>Copies</u> 0 1454.80	
Approved By		Sub Total1454.	An An	K.I	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 essentiative directly of 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.

and the second