

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

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

1198523

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:			Sec.	Twp S. R	East West	
Address 2:			Feet from North / South Line of Section			
City: S	tate: Z	ip:+	Fe	eet from East / W	lest Line of Section	
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	rner:	
Phone: ()			□ NE □ NW	V □SE □SW		
CONTRACTOR: License #			GPS Location: Lat:	, Long:		
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxxx)	
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84		
Purchaser:			County:			
Designate Type of Completion:			Lease Name:	Well	l #:	
	e-Entry	Workover	Field Name:			
	_	_	Producing Formation:			
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _		
OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:	
CM (Coal Bed Methane)	_ dow	тетір. дай.	Amount of Surface Pipe Se	et and Cemented at:	Feet	
Cathodic Other (Con	re, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes N	No	
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet	
Operator:			If Alternate II completion, of	cement circulated from:		
Well Name:			feet depth to:	w/	sx cmt.	
Original Comp. Date:	Original T	otal Depth:				
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan		
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t			
Commingled	Dormit #		Chloride content:	ppm Fluid volume: _	bbls	
Dual Completion			Dewatering method used:			
SWD			Location of fluid disposal if	i hauled offsite:		
☐ ENHR			Loodiion of haid diopodal in	nation office.		
GSW	Permit #:		Operator Name:			
_ <del>_</del>				License #:		
Spud Date or Date Re	ached 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:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(	CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

# QUALITY CILWELL CEMECTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	Home Office	P.O. Bo	x 32 Russ	ieli, KS 670	Beginstein	1340.	(ซิธิฮ —=
Date 9-19-13 Sec. 30	Twp. Range	Roc	ounty OAS	State	50	OPh	Finish 6:301K
( AI		Locatio	n1/265+	et du	m W	108K	1)
Lease of lease	Well No.		Owner 3/4	NE	Inhte	<u> </u>	
Contractor Disrolle 4			To Quality Oils	v requested to	o rent cement	ting equipment	and furnish
Type Job Surface			cementer and	helper to ass	işt owner or c	ontractor to do	work as listed.
Hole Size 1214	T.D. 221	1.5	Charge M	0040	<u> Hon</u>	Doill	hd
Csg. 8 3/5	Depth		Street				
Tog. Size	Depth		City		State	<u> </u>	<u> </u>
Tool	Depth				ction and supe	rvision of owner	gent or contractor.
Cement Left in Csg. 20 FT	Shoe Joint 20+	7	Cement Amou	unt Ordered	170	270 6	
Meas Line	Displace 12.3/4	7	470 E	321_	2005		
EQUIPA	MENT		Common		1.3	<u> </u>	
Pumptrk No. Cementer Helper			Poz. Mix		g * _ *		
Bulktrk [ U No. Driver   Driver   Driver	me W	0 79373	Gel.		er file in		· · · · · · · · · · · · · · · · · · ·
Bulktrk DU No. Driver Driver	in'e m		Calcium				
JOB SERVICES	& REMARKS	en e	Hulls		· , , , ·		
Remarks:		74.4 A. V	Salt				
Rat Hole			Flowseal			: ( ,	<u> </u>
Mouse Hole			Kol-Seal		, · · · · · · · · · · · · · · · · · · ·		
Centralizers		· · · · ·	Mud CLR 48				
Baskets		<u> </u>	CFL-117 or C	D110 CAF 38	3		
D/V or Port Collar			Sand				
			Handling			<u> </u>	
Chell			Mileage				
			er earlie	FLOAT E	QUIPMENT		
( Na lan			Guide Shoe			<u> </u>	-
			Centralizer		· · · · · · · · · · · · · · · · · · ·		
			Baskets				
			AFU Inserts				
		1000000	Float Shoe				
			Latch Down			Section 1	18.72.4
		the second				<u> </u>	
			Pumptrk Cha	ırge.		<u> </u>	
		4 7 4 4 7 7 4 4	Mileage	1.1	***************************************	Tax	
	<u> </u>	<u></u>		•	10.2	Discount	100
X X M M M M				•		Total Charge	
Signature Wood Acoust			]	4	• •	iolai Charge	<u></u>

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

Phone 785-483-2025 Cell 785-324-1041			ox 32 Russell, KS 67665 No. 7857
Date 9-24-13 Sec. 30	Twp. Range	17	County State On Location Finish And G. 2014 10, 30 And
And promote family and		Location	on Stockton W to 8110 3/4W
Lease of lebel	Well No. 1	2 Carrier	owner west into
Contractor 1) 15 cravely 4		1	To Quality Oliwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish
Type Job 1140 506			cementer and helper to assist owner or contractor to do work as listed.
Hole Size	T.D. 3500	Andreas Artis	Charge Droduction Drilling
Csg. 0011 2112e	Depth	2 4 1 1 N	Street
Tbg. Size	Depth	4.4	City
Tool	Depth	. A High	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint		Cement Amount Ordered 270 60/40 41/68
Meas Line	Displace		Vy flow
EQUIP	MENT	المُعَلِّمُ اللهِ اللهِ اللهِ المعالمة المعالمة ا	Common
Pumptrk 5 No. Cementer // Helper //		1 1 1 1	Poz. Mix
Bulktrk No Driver VO	mil & W		Gel.
Bulktrk P U No. Driver Driver	e b	in delegated Linda oligi	Calcium (1), y, conserve y, co
JOB SERVICES	& REMARKS	5 A. 7	Hulls
Remarks:			Satter
Rat Hole 30 545		10.00	Flowseal
Mouse Hole 15 5 H 5			Kol-Seal
Centralizers		2 1. KB 3 1	Mud CLR 48
Baskets and Alberta transfer of		i et Salain	CFL-117 or CD110 CAF 38
D/V or Port Collar		49.0	Sand
15+ 3435 th	50-510	r dest	Handling
21d 1500+	95 5/5	3.39	Miléage
and AUONI	100 54		FLOAT EQUIPMENT
4+1 275 ft	40 5h5		Guide Shoe
5th 4uft	10 545		Centralizer
			Baskets
			AFU Inserts
		1 1 Tay	Float Shoe
		25.5	Latch Down
		s sign	Wood Dies
and the second of the second o	110/30	g.A.	
	18.3	\$ 1000 miles	YPumptrk Charge
		1 (27)	Mileage
to the same form of the "Figures."		The second	
		i in in the	
Signature WWW WAS		ार्ड स्टिप्ट र स्टब्स	Total Charge



Prepared For: Production Drilling Inc

1023 Reservation Rd Hays KS 67601

ATTN: Cliff Ottaway

Greibel #1

30-73-19W Rooks,KS

Start Date:

2013.09.23 @ 11:18:36

End Date:

2013.09.23 @ 16:48:15

Job Ticket #: 54827

DST#: 1

Trilobite Testing, Inc.

PO Box 362 Hays, KS 67601

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



Production Drilling Inc.

1023 Reservation Rd Hays KS 67601

ATTN: Cliff Ottaw av

30-7s-19w Rooks,KS

Greibel #1

Job Ticket: 54827

DST#:1

Test Start: 2013.09.23 @ 11:18:36

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Time Tool Opened: 13:34:36

Time Test Ended: 16:48:15

Interval:

3412.00 ft (KB) To 3443.00 ft (KB) (TVD)

Total Depth:

3443.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Tester: Unit No:

Reference Bevations:

1986.00 ft (KB) 1978.00 ft (CF)

KB to GR/CF:

Test Type: Conventional Bottom Hole (Initial)

Tate Lang/ Tim Phill

8.00 ft

Serial #: 8898

Outs ide Press@RunDepth:

14.03 psig @ 2013.09.23

3415.00 ft (KB)

2013.09.23

Capacity: Last Celb.:

8060.00 psig

Start Date: Start Time:

11:18:37

End Date: End Time:

16:48:16

Time On Btm:

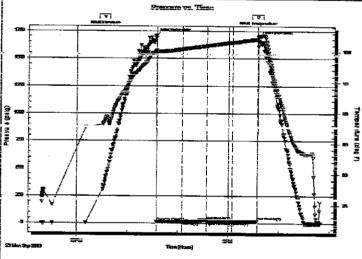
2013.09.23

Time Off Btm:

2013.09.23 @ 13:34:26 2013.09.23 @ 15:35:06

TEST COMMENT: IFP-30-weak blow built to 1/4"

ISI-30-no blow FF-30-no blow FSI-30-no blow



		PI	RESSUF	RE SUMMARY	
į	Time	Pressure	Тетр	Annotation	
	(Min.)	(psig)	(deg F)		
i	0	1711:28	100:16	riidai tiyul o-static	
ļ	1	12.66	99.37	Open To Flow (1)	
-	31	13.44	100.38	Shut-In(1)	
ا ب	60	28.73	100.93	End Shut-In(1)	
	60	14.24	100.93	Open To Flow (2)	
Tarretor dura (dag r)	90	14.03	101.50	Shut-In(2)	
2	120	21.66	101.99	End Shut-in(2)	
۱ -	121	1588.86	102.44	Final Hydro-static	
		į	}		
ļ	ļ	1			
İ			,		
-	į		; <b> </b>		
j		İ			
$\Box$					

### Recovery Length (II) Description Volume (bbl) 5.00 mud with oil spots 0.02

Gas Rates							
	Choke (inches)	Pressure (paig)	Gas Rate (Mct/d)				
		-	•				

Trilobite Testing, Inc.

Ref. No: 54827

Printed: 2013.09.24 @ 10:30:36



Production Drilling Inc.

1023 Reservation Rd Hays KS 67601

ATTN: Cliff Ottow by

30-7s-19w Rocks,KS

Greibel #1

Job Ticket: 54827

DST#:1

Test Start: 2013.09.23 @ 11:18:35

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No Whitostock: ft (KB)

Time Tool Opened: 13:34:36

Time Test Ended: 16:48:15

Interval:

Start Date:

Start Time:

3412.00 ft (KB) To 3443.00 ft (KB) (TVD)

Total Depth:

3443.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester:

Tate Lang/ Tim Phill

Unit No:

Reference Bevations:

1986.00 ft (KB) 1978.00 ft (CF)

KB to GR/CF:

8.00 ft

Seria! #: 8897 Press@RunDepth:

Inside

psig @

3415.00 ft (KB)

2013.09.23

Capacity: Last Calib.: 8000.00 psig

2013.09.23 11:18:10

End Date: End Time:

16:47:49

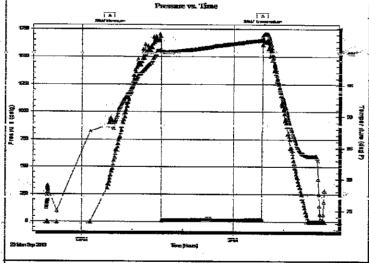
Time On Btm:

2013.09.23

Time Off Btm:

TEST COMMENT: IFP-30-weak blow built to 1/4"

ISI-30-no blow FF-30-no blow FSI-30-no blow



	PRESSURE SUMMARY								
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	The state of the last				
				u'	AND PERSONS NAMED IN				
	,								
	,								
i and annual state of				·					

Recovery						
Length (II)	Description	Võitime (bbl)				
5.00	mud with oil spots	0.02				
		ļ				

Gas Rates								
	Choke (inches)	Pressure (psig)	Gas Kate (Mct/d)					

Trilobite Testing, Inc

Ref. No: 54827

Printed: 2013.09.24 @ 10:30:36



Production Drilling Inc

30-7s-19w Rooks,KS

1023 Reservation Rd Hays KS 67601

Greibel #1 Job Ticket: 54827

DST#:1

**TOOL DIAGRAM** 

ATTN: Cliff Ottaway

Test Start: 2013.09.23 @ 11:18:36

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length:

Length: 3378.00 ft Diameter:

16.0011

0.00 ft Diameter: 30.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.15 bbl

47.38 bbl

Tool Weight: Weight set on Packer: 20000.00 b

2000.00 Б

Weight to Pull Loose:

THE FIDE ADOVE KE. Depth to Top Packer:

Depth to Bottom Packer:

Interval between Packers: Tool Length:

31.00 ft 51.00 ft

3412.00 ft

ft

Total Volume: 47.53 bbl Tool Chased String Weight: Initial 44000.00 lb

0.00 ft

Final 44000,00 lb

Number of Packers: Tool-Comments:

2 Diameter: 6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut in Tool	5.00		7-11	3397.00		<del></del>
Hydraulic tool	5.00	·		3402.00		
Dankar	5.00			3407.00	<b>36.00</b>	Bottom Of Tan Broker
Packer	5.00			3412.00		
Stubb	1.00			3413.00		
Perforations	2.00			3415.00		
Recorder	n nn	8897	Incide	3 <u>4</u> 15 በበ		
Recorder	0.00	8898	Outside	3415.00		
Perforations	25.00			3440.00		
Bullnose	3.00			3443.00	31.00	Bottom Packers & Anchor
Total Tool Longth:	51.00					

Trilobite Testing, Inc

Ref. No: 54827

Printed: 2013.09.24 @ 10:30:36



Production Drilling Inc

30-7s-19w Rooks,KS

1023 Reservation Rd Hays KS 67601

Greibel #1 Job Ticket: 54827

DST#:1

**FLUID SUMMARY** 

ATTN: Ciff Ottaway

Test Start: 2013.09.23 @ 11:18:36

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

54.00 sec/qt

Water Loss: Resistivity:

8.78 in<sup>3</sup> ohmm

Salinity: Filter Cake: 2000.00 ppm 1.00 inches **Cushion Type:** 

**Cushion Length:** 

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Water Salinity:

deg API ppm

psig

ft

bbl

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil spots	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Ō

Num Fluid Samples: 0

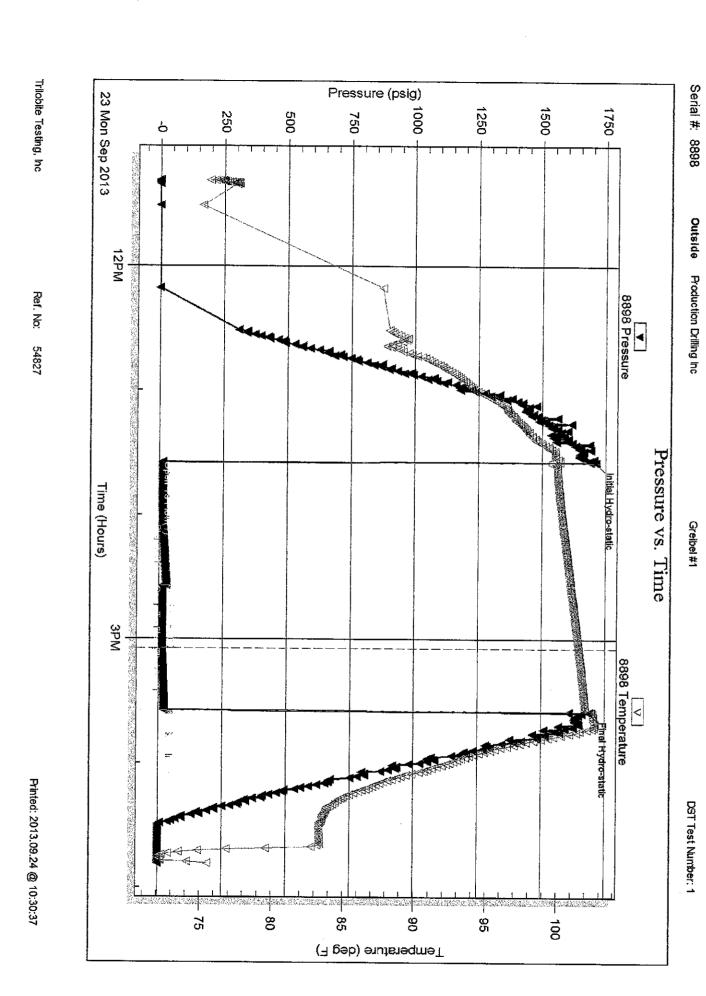
Num Gas Bombs:

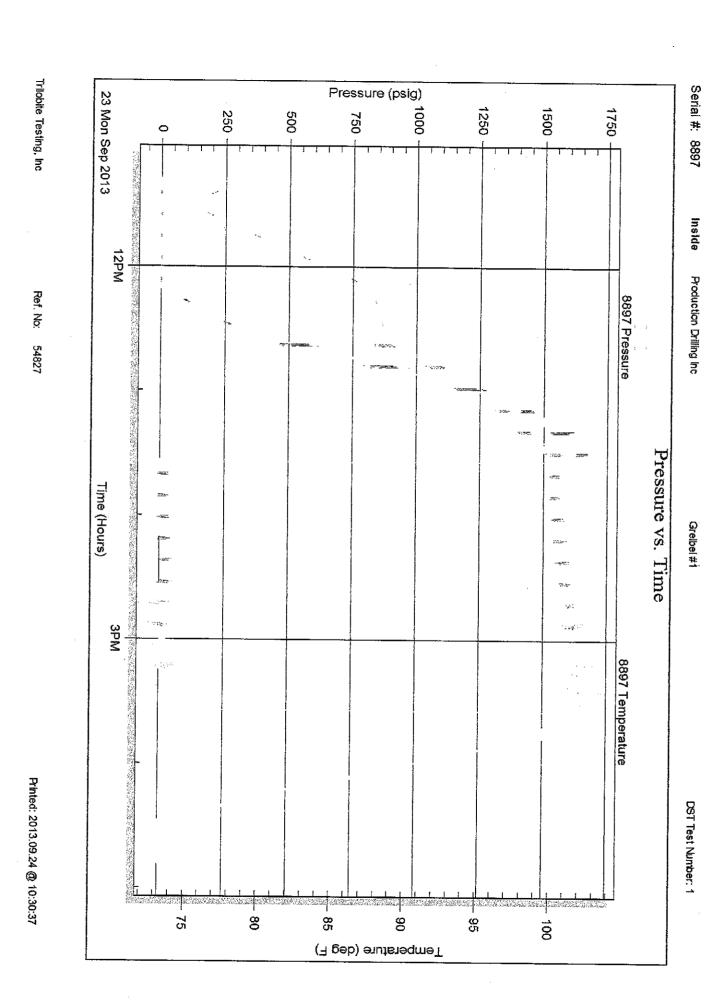
Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## **Test Ticket**

Well Name & No. GReibel = 1		Toe! No	1	000 09/23/2	213
Company Production Drilling INC	kani d <sup>a</sup> arawa mayama yan iyo iyo kani ayan iyo iyo kani ayan ayan da arawa mana ayan ayan ayan ayan ayan ayan a	Elevation 4	1978	кв <i>1986</i>	GL
Address 1023 Reservation Rd				_ 10	GL
Co. Rep / Geo. Cl.ff Ottaway		Rig Discov	rad Die	± 4	
Location: Sec. 36 Twp. 75	Rge. 19 W	co. Rooks	5	State K5	
Interval Tested 34/2 - 3443					
Anchor Length 3/			N. A.	ad Wt. 8.8	
Top Packer Depth 3408				5 <u>54</u>	
Bottom Packer Depth 34/2	Wt. Pipe Run			8.8	
Total Depth 3443	Chloridae 70			M 2*	
Blow Description French blow built	to 1/4"		Oysteni EO	etat T	
ISI- No blow					
rr					
FSI - No blow	and the second s	THE CONTRACT OF A PARTY OF SECURITY OF THE PROPERTY OF THE SECURITY OF THE SEC	7747 Pro- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1	The Part State Milate Section of the Section of Section 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1	
Rec 5 Feet of Mud with oil	spots	%oas	%oil	%water /00	%mud
Rec Feet of		%gas			%mud
Rec Feet of		%oas	%oil	%water	
Rec Feet of		%gas	%oil		
Rec Feet of				%water	
Rec Total BHT				nlorides	mag
(A) Initial Hydrostatic	Q Test <u>1150</u>		T-On Locat	ion	
(B) First Initial Flow 13					
(C) First Final Flow 29 /3	☐ Salety Joint		T-Open	1335	<del></del>
(D) Initial Shut-In	Circ Sub		T-Pulled		
(E) Second Initial Flow	☐ Hourly Standby		T-Out	1649	<del>, ,     </del>
(F) Second Final Flow	O Mileage		2 Comments	The state of the s	100
(G) Final Shut-In 22	☐ Sampler 325	.50	<u> </u>	130 AM 0	<u>つ</u>
(H) Final Hydrostatic /699	☐ Straddle		D Buissed	Shale Packer	1
	☐ Shale Packer				
Initial Open	Extra Packer			Packer	
Initial Shut-In30	☐ Extra Recorder			opies	
Final Flow 30	Day Standby			75.50	
Final Shut-In 30	☐ Accessibility		MP/DST [		
21.12	Sub Total 1475.50		101	1 no	/
Approved By Introbite Testing Inc. shill not be liable in damaged of any kind of the property	Our F	lepresentative	toler	1 sill	Low