

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Scale 1:240 Imperial

Well Name: MARY #2
Surface Location: NW, SW, NE, NW, Sec. 28, T5S, R20W
Bottom Location:
API: 15-147-20763
License Number: 34916
Spud Date: 9/19/2023 Time: 8:00 AM
Region:
Drilling Completed: 9/24/2023 Time: 10:30 PM
Surface Coordinates: 715' FNL & 1765' FWL
Bottom Hole Coordinates:
Ground Elevation: 2209.00ft
K.B. Elevation: 2117.00ft
Logged Interval: 3050.00ft To: 0.00ft
Total Depth: 3700.00ft
Formation: ARBUCKLE, REAGAN SAND
Drilling Fluid Type: CHEMICAL MUD

OPERATOR

Company: FOURWINDS OIL CORPORATION
Address: PO BOX #1063
HAYS, KS 67601

Contact Geologist: DAN WINDHOLZ
Contact Phone Nbr: 785-259-8403
Well Name: MARY #2
Location: NW, SW, NE, NW, Sec. 28, T5S, R20W
API: 15-147-20763
Pool:
State: KS Field: RAY
Country: PHILLIPS COUNTY

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.583604
Latitude: 39.594364
N/S Co-ord: 715' FNL
E/W Co-ord: 1765' FWL

LOGGED BY

Company: KEYSTONE CONSULTING, LLC
Address: 2511 E 19TH
HAYS, KS 67601

Phone Nbr: (785) 639-0721
Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: DISCOVERY DRILLING
Rig #: 4
Rig Type: MUD ROTARY
Spud Date: 9/19/2023 Time: 8:00 AM
TD Date: 9/24/2023 Time: 10:30 PM
Rig Release: Time:

ELEVATIONS

NOTES

TOPS COMPARISON

FORMATION	MARY #2				MARY A UNIT #1				VEHIGE B #3				D&A 6/25/1955				D&A 10/21/22						
	LOG TOPS		SAMPLE TOPS		FOURWINDS OIL				CITIES SERVICES				CITIES SERVICES				FOURWINDS OIL						
	KB	2217	GL	2209	NE, NE, NW, NW, Sec 28, T5S, R20W				NE, SE, NW, Sec. 28, T5S, R20W				NE, SW, NW, Sec. 28, T5S, R20W				S2, SW, NW, NW, Sec 28, T5S, R20W						
	DEPTH	DATUM	DEPTH	DATUM	LOG	LOG	SMPL.	CORR.	COMP. CARD	LOG	SMPL.	CORR.	LOGS	LOG	SMPL.	CORR.	LOGS	LOG	SMPL.	CORR.			
ANHYDRITE TOP				1745	472	1757	472					1722	478							1755	477		
BASE				1777	440	1786	443													1783	449		
TOPEKA				3143	-926	3157	-928													3158	-926		
HEEBNER SHALE				3339	-1122	3351	-1122					3317	-1117							3355	-1123		
TORONTO				3363	-1146	3375	-1146									3355	-1152			3379	-1147		
LKC				3381	-1164	3394	-1165					3358	-1158							3395	-1163		
BKC				3574	-1357	3585	-1356									3568	-1365			3591	-1359		
GORHAM				3628	-1411	3636	-1407					3601	-1401							3648	-1416		
ARBUCKLE				3660	-1443	3639	-1410					3604	-1404										
REAGAN				3670	-1453											3628	-1425			3654	-1422		
GRANITE																3705	-1502						
TOTAL DEPTH				3700	-1483	3641	-1412					3617	-1417			3710	-1507			3701	-1469		

ANHYDRITE

DST #1 3560'-3640' (GORHAM)

DRILL STEM TEST REPORT

FourWinds Oil Corporation **28-5s-20w Phillips KS**

PO BOX 1063 **Mary #2**

Hays KS 67601+1063 Job Ticket: 71142 **DST#: 1**

ATTN: Cameron Brin Test Start: 2023.09.23 @ 07:46:00

GENERAL INFORMATION:

Formation: **Reagan Sand**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:55:37 Tester: Spencer J Staab
 Time Test Ended: 14:40:26 Unit No: 84

Interval: **3560.00 ft (KB) To 3640.00 ft (KB) (TVD)** Reference Elevations: 2217.00 ft (KB)
 Total Depth: 3640.00 ft (KB) (TVD) 2209.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

Press@RunDepth: 78.20 psig @ 3563.00 ft (KB) Capacity: psig
 Start Date: 2023.09.23 End Date: 2023.09.23 Last Calib.: 2023.09.23
 Start Time: 07:46:01 End Time: 14:40:27 Time On Btm: 2023.09.23 @ 09:55:12
Time Off Btm: 2023.09.23 @ 13:00:27

TEST COMMENT: 30-F-Slid 5" Surface to 4.25"
 45-ISI-Surface Blow Died @ 10 mins
 45-FF-Surface to 2.75"
 60-FSI-Very Weak Surface Died @ 2 mins

Pressure vs. Time

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.90	101.26	Initial Hydro-static
1	42.59	100.98	Open To Flow (1)
29	64.81	101.01	Shut-In(1)
75	657.26	101.50	End Shut-In(1)
76	68.85	101.44	Open To Flow (2)
121	78.20	101.82	Shut-In(2)
183	551.17	102.46	End Shut-In(2)
186	1718.93	102.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud w/oil spots 100%M	1.57

Gas Rates

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

Time Tool Opened: 13:42:27

Time Test Ended: 17:49:32

Tester: Spencer J Staab

Unit No: 84

Interval: 3561.00 ft (KB) To 3647.00 ft (KB) (TVD)

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3647.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 518.14 psig @ 3564.00 ft (KB)

Capacity: psig

Start Date: 2023.09.24

End Date: 2023.09.24

Last Calib.: 2023.09.24

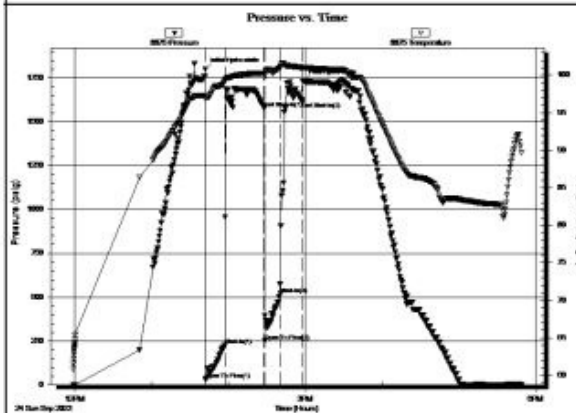
Start Time: 11:59:01

End Time: 17:49:32

Time On Btm: 2023.09.24 @ 13:42:17

Time Off Btm: 2023.09.24 @ 14:58:37

TEST COMMENT: 15-IF-BOB 5 mins Built to 42.25"
30-ISI-No Return
15-FF-BOB instantaneously Built to 140"
45-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.50	97.27	Initial Hydro-static
1	31.61	96.85	Open To Flow (1)
16	225.23	99.18	Shut-In(1)
46	1578.82	100.25	End Shut-In(1)
47	250.13	99.94	Open To Flow (2)
59	518.14	101.05	Shut-In(2)
76	1614.42	101.02	End Shut-In(2)
77	1731.64	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	WCM 10%W 90%M	8.23
1000.00	Mud 100%M	14.18
0.00	RW=.341@80F=17.000	0.00

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 71144

Printed: 2023.09.24 @ 18:00:50

ROCK TYPES

Congl
 Lmst fw7> shale, gry
 Carbon Sh
 Shcol
 CglSandy
 Dolprim
 shale, red
 Ss

ACCESSORIES

MINERAL

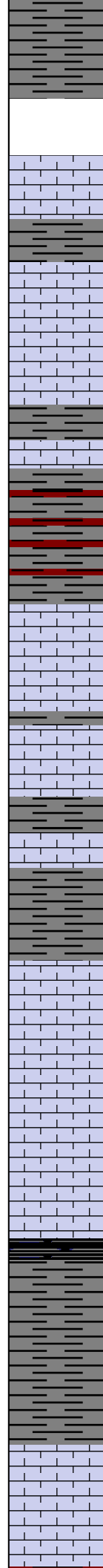
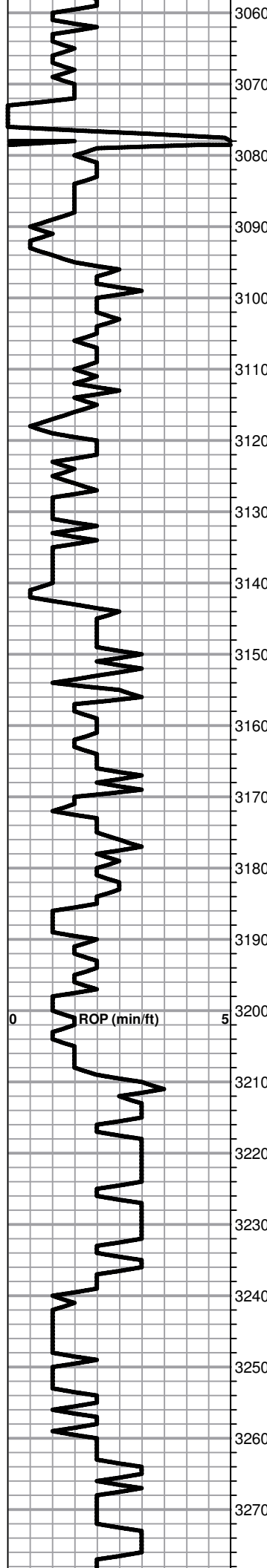
• Sandy

STRINGER

Limestone
 red shale

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1 ROP (min/ft)	Depth Intervals DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3
1:240 Imperial ROP (min/ft)	Cored Interval DST Interval				1:240 Imperial
				<p>1' DRILL TIME FROM 1730'-1790' FOR ANHYDRITE 1' DRILL TIME FROM 3050'-RTD 10' WET & DRY SAMPLES FROM 3100'-RTD</p>	GEO ON LOCATION @ 9 PM 9/21/23



Sh- various color

Lm- crm, fnxln, few scat foss

Sh- gray-green

Lm- crm, fnxln, scat foss, few scat Ss clusters, tan, fngrn, well sorted, well rounded

Lm- tan-gray, v.fn-fnxln, few scat foss

Sh- dark gray, firm

Sh- gray-red, muddy red wash

TOPEKA: SPL 3143' (-926)

Lm- crm, fnxln, few scat foss

Lm- crm, v.fnxln, chalky

Sh- gray, firm

Lm- tan-crm, v.fnxln, scat foss, chalky in prt

Sh- gray, sandy

Lm- crm, fnxln-mdgrn, foss, chalky

Lm- crm, v.fnxln, foss, oolitic in prt, dense

Lm- crm, v.fnxln, oolitic in prt

Sh- blk, carb

Sh- gray, muddy, sticky

Lm- crm-lt. gray, v.fnxln, mottled

Lm- crm-tan, fnln, scat foss, mottled in prt

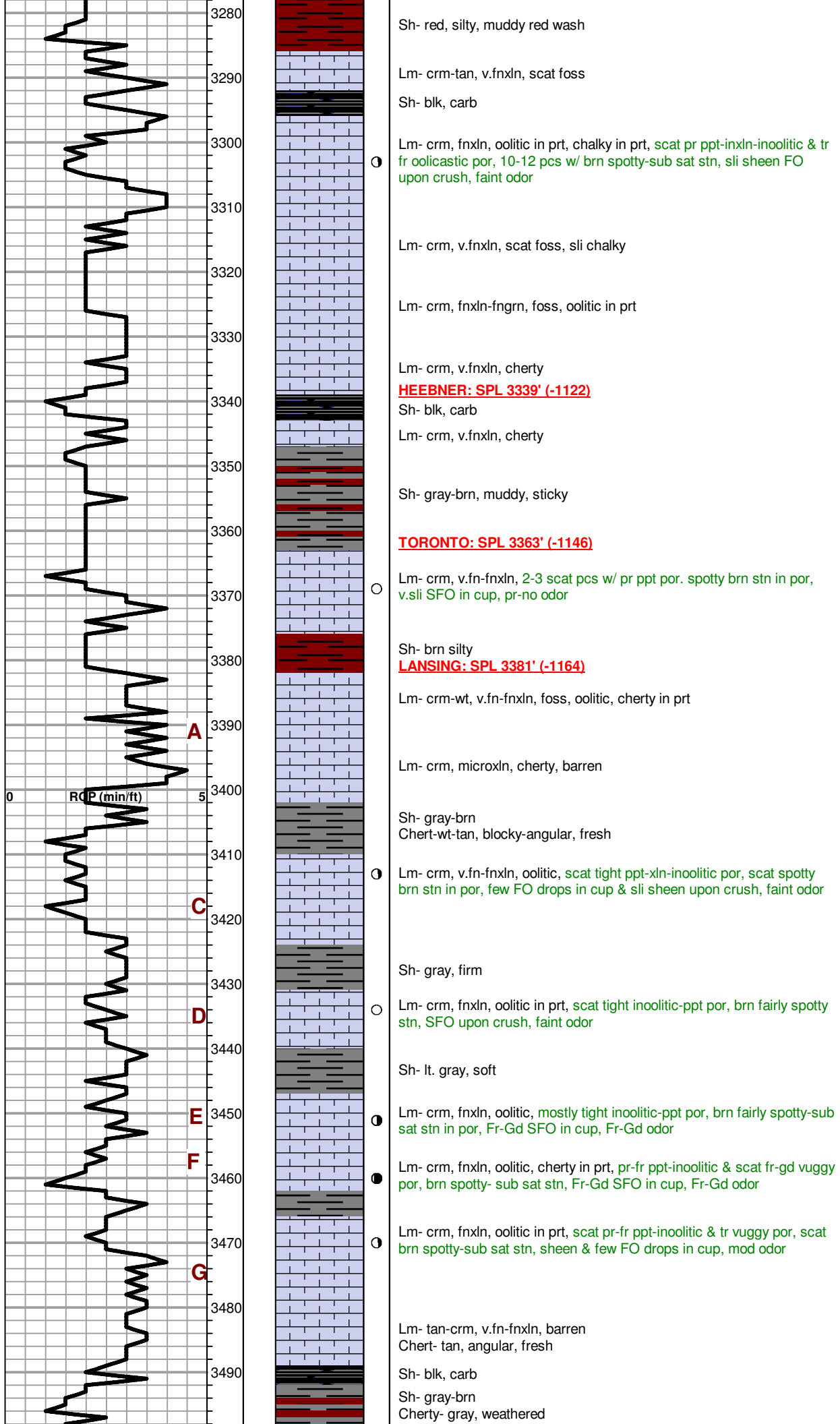
8 5/8" SURFACE CASING
SET @ 221' KB

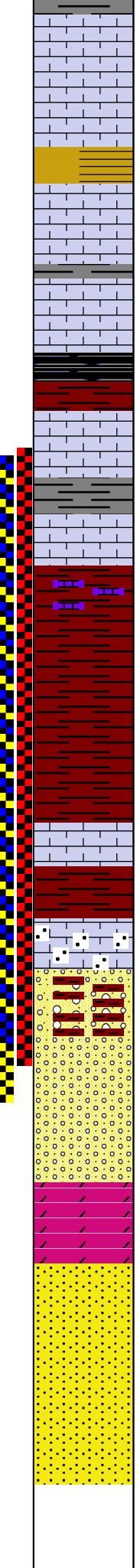
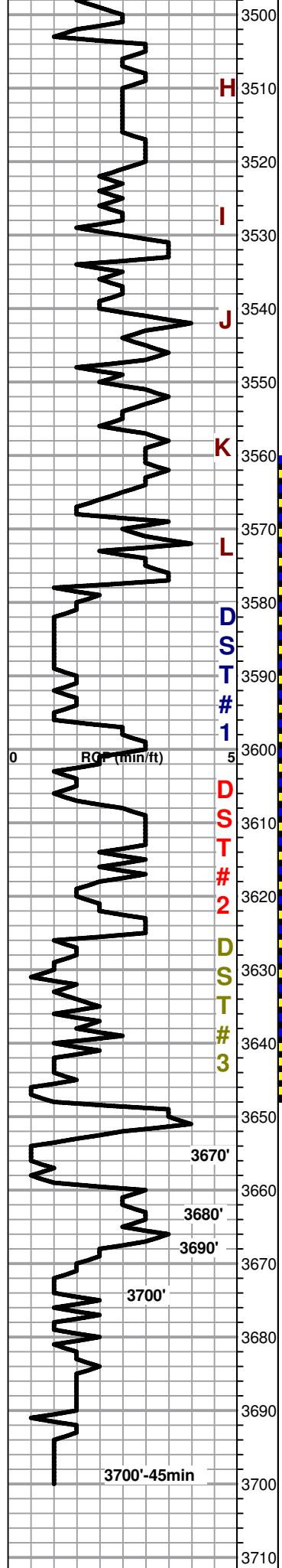
SURVEY @ 221' (1°)

**CLOCK STOPPED
FROM 3073'-3077'**

DISPLACED @ 2996'

NO SAMPLE
TAKEN @ 3170'





○ Lm- crm-tan, fnxln, oolitic in prt, few scat pcs w/ pr ppt-inoolitic & tr vuggy por, 4-5 pcs w/ brn spotty stn in por, few FO drops in cup, mod odor

Lm- off wt, micro-v.fnxln, barren

Sh- various color

○ Lm- crm, v.fn-fnxln, cherty in prt, oolitic in prt, scat pr oolitic & tr vuggy por, scat spotty face stn & few scat pcs w/ stn in por, few FO drops in cup, faint odor

○ Lm- crm, v.fn-fnxln, oolitic, scat tight oolitic por, scat lt. brn- brn face stn & tr stn in por, v. sli SFO upon crush, faint odor

Sh- blk, carb

Sh- brn, silty

Lm- crm, v.fnxln, cherty, barren

Sh- gray-red

○ Lm- crm, v.fn-fnxln, oolitic in prt, few scat pcs w/ pr inoolitic por, 3-4 pcs w/ brn spotty stn in por, NSFO, pr-no odor

BKC: SPL 3574' (-1357)

Lm- crm-olive, v.fn-fnxln, oolitic

Sh- red, sandy, muddy red wash

Sh- A/A

Lm- crm, fnxln-fngrn, sli chalky

Lm- crm, fnxln-mdgrn, sandy, scat pr ppt-inxln-granular & tr pr-fr vuggy por, scat brn fairly spotty stn in por, sli SFO upon crush, faint odor

GORHAM: 3628' (-1411)

Lm- A/A, Ss- clear, fn-mdgrn, friable, mod sorting, mod rounding, flaky blk asphaltic dead stn, Sh- brn, muddy, trashy, Chert- clear, blocky

○ **3640'**- Ss- clear, fn-mdgrn, well consolidated, calcite matrix, mod sorting, well rounded, friable in prt, fairly tight in grn por, v. lt brn sub sat stn, sheen FO upon crush, faint odor, fair amount of red Sh still present

○ **3642' & 3643'**- Ss- A/A, fr odor, pyrite inclusions, less Sh but still a fair amount

○ **3645'**- Sh- brn-gray, scat chert, 4-5 Ss clusters, 2 pcs w/ show A/A, pr-no odor, 2-3 pcs w/ blk asphaltic dead stn

○ **3647'**- Ss- clear, fn-mdgrn, unconsolidated, mod rounding, mod sorting, no vis stn, few FO drops in cup, mod odor

ARBUCKLE: SPL 3660' (-1443)

○ **3670'**- Ss- clear, fn-corgn, mix of clusters and unconsolidated, mod sorting, mod rounding, scat pr ingrn por, spotty brn stn & dead blk flaky-tarry stn, v. sli SFO upon crush, mod odor

REAGAN SAND: SPL 3670' (-1453)

○ **3680'**- Dolo- wt-crm, v.fnxln-fngrn, sandy in prt, glaucanite inclusions, dense

3690'- Dolo- A/A

3700'- Dolo- A/A

Ss- qtz, clear, dolo matrix, fn-corgn, well consolidated, mod sorting, mod rounding

3700'-45min- Ss- qtz, clear-wt, fn-corgn, dolo matrix, well consolidated, pr-fr sorting, pr-fr rounding, tight in grn por, NSO

RTD: SPL 3700' (-1483)

DST #1
3560'-3640' (REAGAN)
 30-45-45-60
130' M w/ O SPTS
 SIP: 657-551#

DST #2
3559'-3643' (REAGAN)
 30-45-45-60
90' OSM
 SIP: 591-524'

DST #3
3561'-3647' (REAGAN)
 15-30-15-45
600' WCM
1000' M
 SIP: 1578-1614#

WATER POTNETIALLY CAME FROM ABOVE AND THE K ZONE BEING FRACTURED. SIP POSSIBLY CAUSED BY LOST CIR

- CFS @ 3628'
- CFS @ 3630'
- CFS @ 3632'
- CFS @ 3634'
- CFS @ 3637'
- CFS @ 3640'
- CFS @ 3642'
- CFS @ 3643'
- CFS @ 3645'
- CFS @ 3647'

SURVEY @ 3640' (3/4°)
PIPE STRAP 0.14' SHORT TO BOARD

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 9808

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9/25/23	28	5	20	PH. 111/13	Kansas		12:30 PM

Location *Hwy 24 + Lower Rd 3N1E11N34W*

Lease *Mary* Well No. *2* Owner *SATO*

Contractor To Quality Oilwell Cementing, Inc.

Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size *2 7/8"* T.D. Charge To *Four Wells*

Csg. *Drill Pipe* Depth *3644* Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint Cement Amount Ordered *305 60% 4% gel 1 1/2 # Flw*

Meas Line Displace

EQUIPMENT Common

Pumptrk <i>17</i> No. Cementer <i>Jim</i>		Poz. Mix
	Helper	
Bulktrk <i>9</i> No. Driver <i>Doug</i>		Gel.
	Driver	
Bulktrk <i>14</i> No. Driver <i>David</i>		Calcium
	Driver	

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

3644 - 50 sks Handling

1775 - 50 sks Mileage

1075 - 100 sks

275 - 50 sks

40' - 10 sks

Bar hole - 30 sks

Misc. jobs - 15 sks

Campani P.D. Circulators

Float Equipment

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge

Mileage

Signature *Joe Stahl*

Tax

Discount

Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 3598

Date	9/25/23	Sec.	28	Twp.	5	Range	20	County	Phillips	State	Kansas	On Location		Finish	12:30 P.M.
------	---------	------	----	------	---	-------	----	--------	----------	-------	--------	-------------	--	--------	------------

Location Hwy 24 + Logan Rd 3 1/2 E 11 N 3 1/2 W

Lease *Mary* Well No. *2* Owner *Sinto*

Contractor To Quality Oilwell Cementing, Inc.
Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size *2 7/8* T.D. Charge To *Four Winds*

Csg. *Dr. 11 pipe* Depth *3644* Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint Cement Amount Ordered *305 50% 40 4% gel 1 1/2 # Flu*

Meas Line Displace

EQUIPMENT

Pumptrk	<i>17</i>	No.	Cementer		Common
			Helper	<i>Tim</i>	Poz. Mix
Bulktrk	<i>9</i>	No.	Driver	<i>Doug</i>	Gel.
Bulktrk	<i>14</i>	No.	Driver	<i>David</i>	Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>3644' - 50 sks</i>	Sand
<i>1775' - 50 sks</i>	Handling
<i>1075' - 100 sks</i>	Mileage

FLOAT EQUIPMENT

<i>275' - 50 sks</i>	Guide Shoe
<i>40' - 10 sks</i>	Centralizer
<i>Rat hole - 30 sks</i>	Baskets
<i>Mouse hole - 15 sks</i>	AFU Inserts
<i>Cement + D. 2 Circulore</i>	Float Shoe
	Latch Down

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature *Ryan Meehl*



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601+1063

ATTN: Cameron Brin

Mary #2

28-5s-20w Phillips,KS

Start Date: 2023.09.23 @ 07:46:00

End Date: 2023.09.23 @ 14:40:26

Job Ticket #: 71142 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.09.26 @ 12:23:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71142

DST#: 1

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 07:46:00

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:55:37

Time Test Ended: 14:40:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: **3560.00 ft (KB) To 3640.00 ft (KB) (TVD)**

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

Press@RunDepth: 78.20 psig @ 3563.00 ft (KB)

Capacity: psig

Start Date: 2023.09.23

End Date:

2023.09.23

Last Calib.:

2023.09.23

Start Time: 07:46:01

End Time:

14:40:26

Time On Btm:

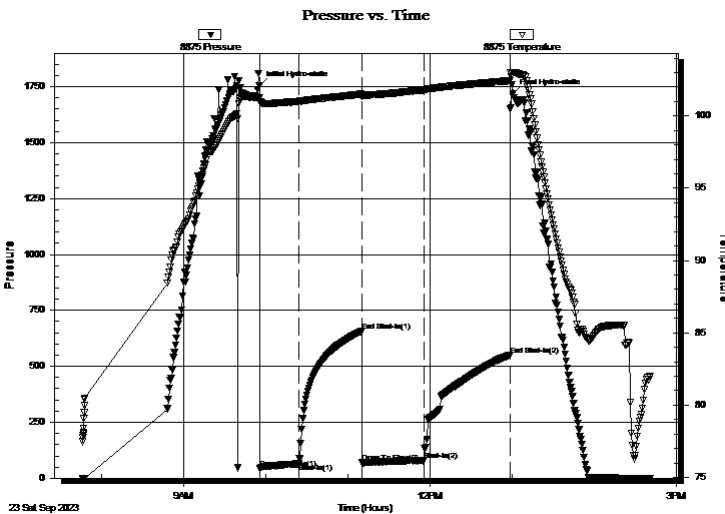
2023.09.23 @ 09:55:12

Time Off Btm:

2023.09.23 @ 13:00:27

TEST COMMENT: 30-IF-Slid 5' Surface to 4.25"
45-ISI-Surface Blow Died @ 10 mins
45-FF-Surface to 2.75"
60-FSI-Very Weak Surface Died @ 2 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.90	101.26	Initial Hydro-static
1	42.59	100.98	Open To Flow (1)
29	64.81	101.01	Shut-In(1)
75	657.26	101.50	End Shut-In(1)
76	68.85	101.44	Open To Flow (2)
121	78.20	101.82	Shut-In(2)
183	551.17	102.46	End Shut-In(2)
186	1718.93	102.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud w/oil spots 100%M	1.57

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71142

DST#: 1

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 07:46:00

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:55:37

Time Test Ended: 14:40:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3560.00 ft (KB) To 3640.00 ft (KB) (TVD)

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3563.00 ft (KB)

Capacity: psig

Start Date: 2023.09.23

End Date:

2023.09.23

Last Calib.:

2023.09.23

Start Time: 07:46:01

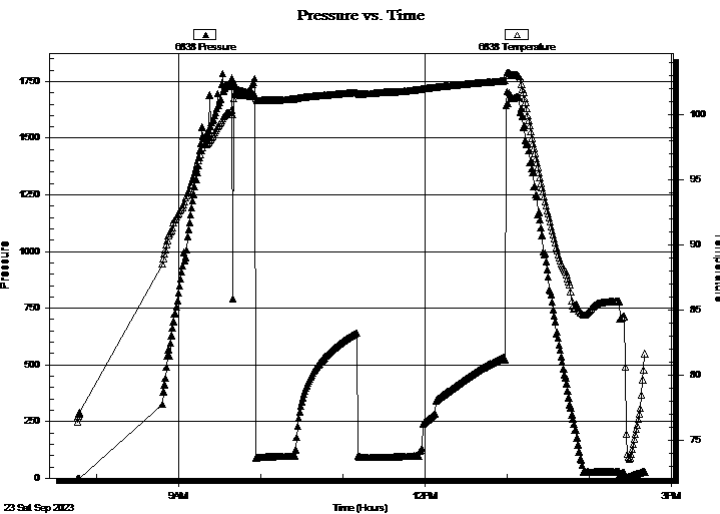
End Time:

14:40:26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Slid 5' Surface to 4.25"
45-ISI-Surface Blow Died @ 10 mins
45-FF-Surface to 2.75"
60-FSI-Very Weak Surface Died @ 2 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud w/oil spots 100%M	1.57

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71142

DST#: 1

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 07:46:00

Tool Information

Drill Pipe:	Length: 3537.00 ft	Diameter: 3.82 inches	Volume: 50.14 bbl	Tool Weight:	2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	61000.00 daN
			<u>Total Volume:</u>	Tool Chased	5.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	54000.00 daN
Depth to Top Packer:	3560.00 ft			Final	55000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3534.00	
Shut In Tool	5.00			3539.00	
Hydraulic tool	5.00			3544.00	
Gap Sub	4.00			3548.00	
Safety Joint	3.00			3551.00	
Packer	5.00			3556.00	27.00 Bottom Of Top Packer
Packer	4.00			3560.00	
Stubb	1.00			3561.00	
Perforations	1.00			3562.00	
Change Over Sub	1.00			3563.00	
Recorder	0.00	6838	Inside	3563.00	
Recorder	0.00	8875	Inside	3563.00	
Drill Pipe	64.00			3627.00	
Change Over Sub	1.00			3628.00	
Perforations	9.00			3637.00	
Bullnose	3.00			3640.00	80.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71142

DST#: 1

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 07:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud w /oil spots 100%M	1.565

Total Length: 130.00 ft Total Volume: 1.565 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1.5#LCM

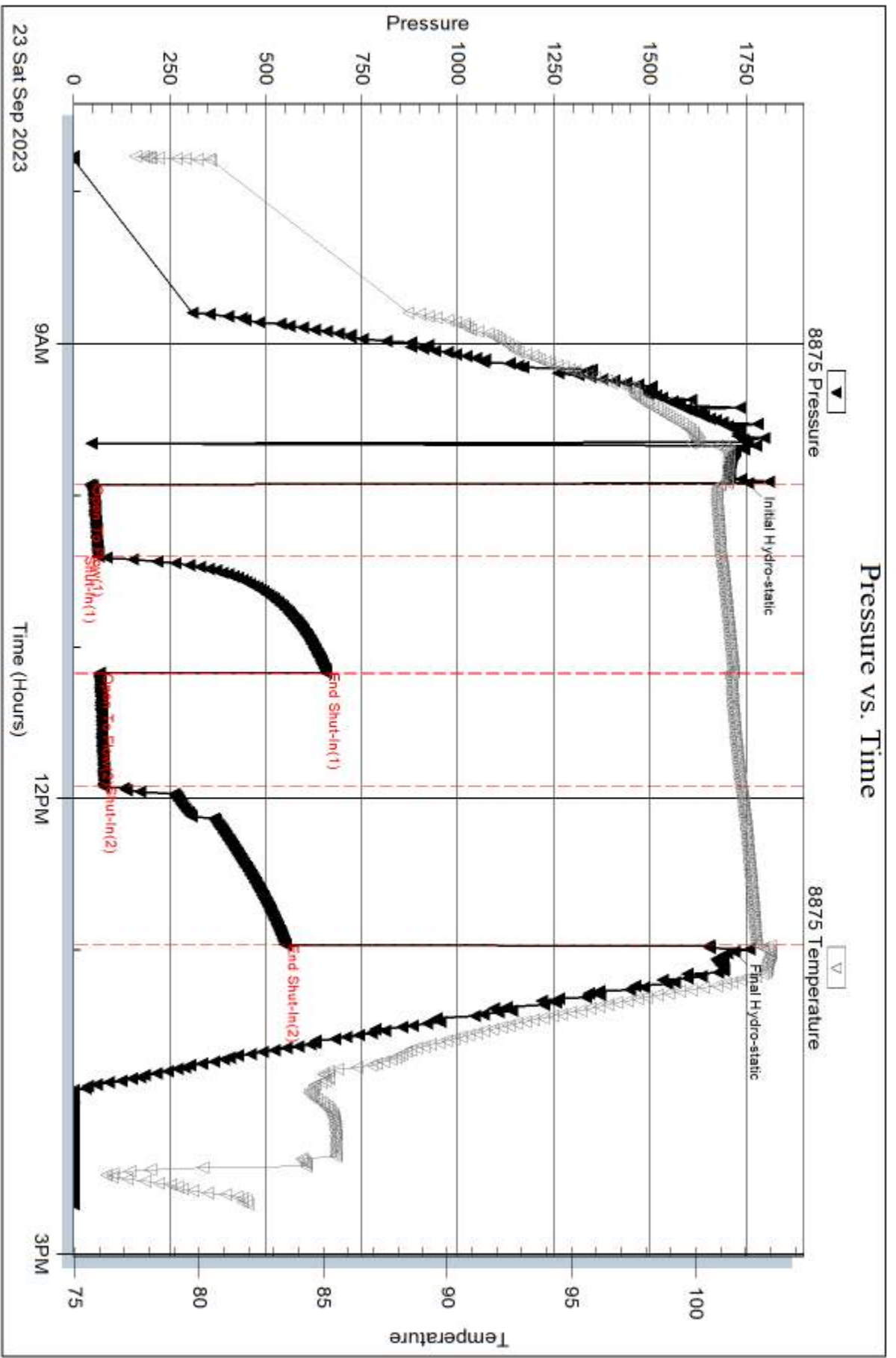
Serial #: 8875

Inside

FourWinds Oil Corporation

Mary #2

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 71142

Printed: 2023.09.26 @ 12:23:38

Serial #: 6838

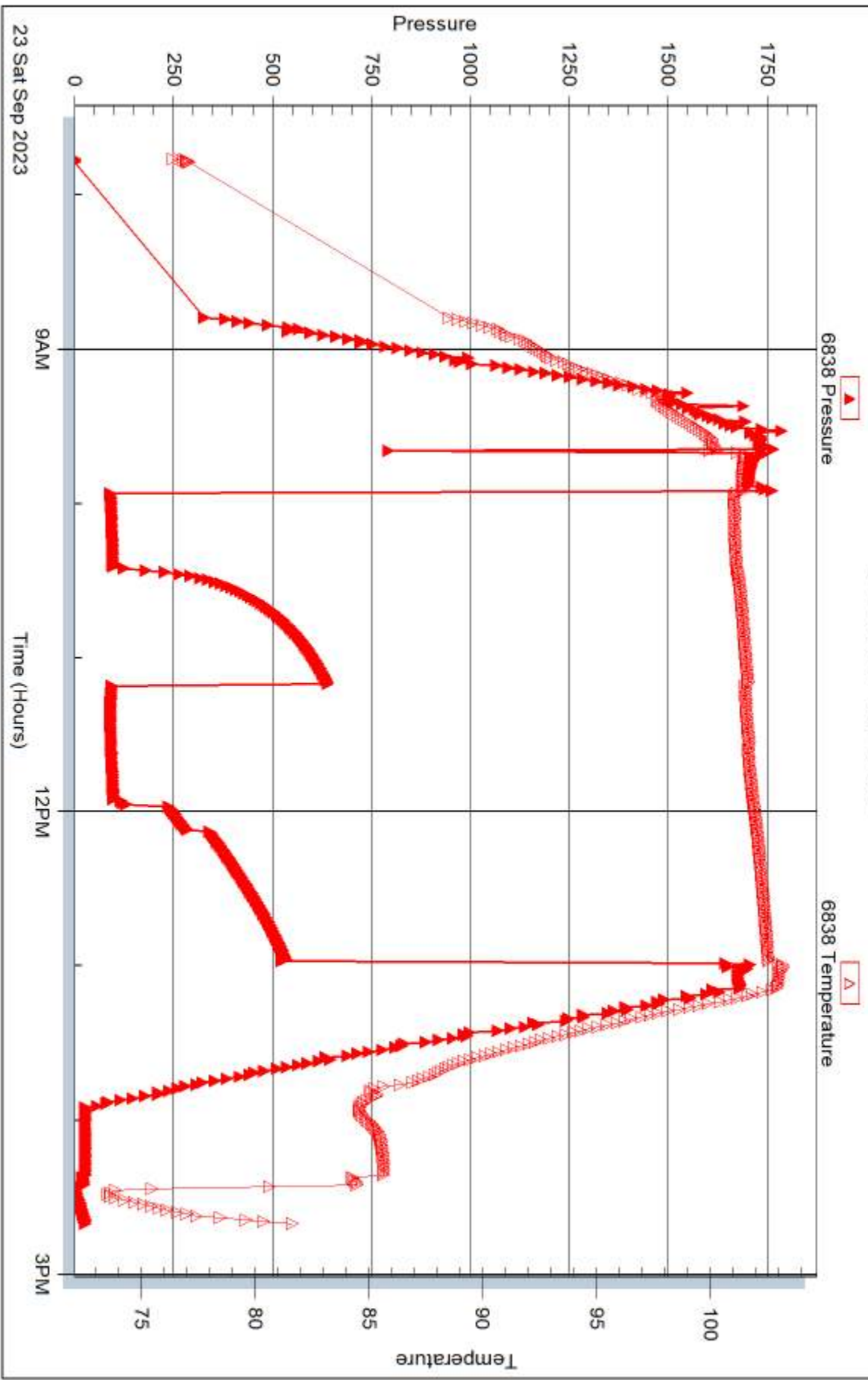
Inside

FourWinds Oil Corporation

Mary #2

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 71142

Printed: 2023.09.26 @ 12:23:38



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601+1063

ATTN: Cameron Brin

Mary #2

28-5s-20w Phillips,KS

Start Date: 2023.09.23 @ 22:40:00

End Date: 2023.09.24 @ 05:13:12

Job Ticket #: 71143 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.09.26 @ 12:23:09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71143

DST#: 2

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 22:40:00

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:02

Time Test Ended: 05:13:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3559.00 ft (KB) To 3643.00 ft (KB) (TVD)

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3643.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 65.23 psig @ 3562.00 ft (KB)

Capacity: psig

Start Date: 2023.09.23

End Date:

2023.09.24

Last Calib.:

2023.09.24

Start Time: 22:40:01

End Time:

05:13:11

Time On Btm:

2023.09.24 @ 00:32:47

Time Off Btm:

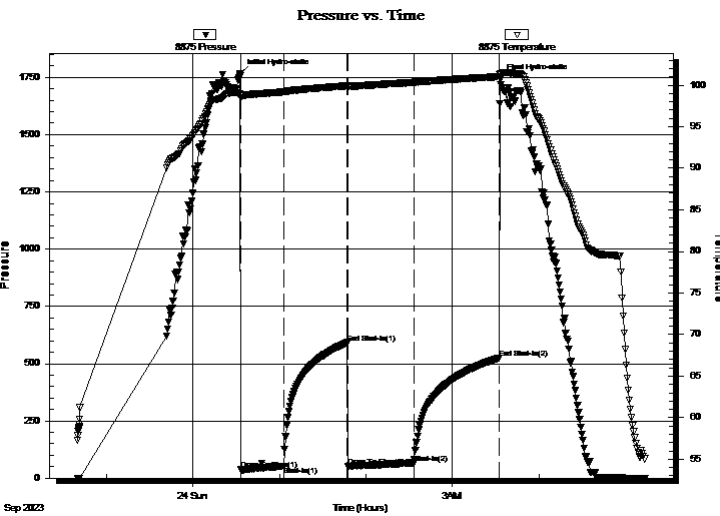
2023.09.24 @ 03:33:12

TEST COMMENT: 30-IF-Slid 3' Surface to 5.25"

45-ISI-No Return

45-FF-Surface to 2.75"

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.75	98.86	Initial Hydro-static
1	36.77	98.52	Open To Flow (1)
31	51.60	99.19	Shut-In(1)
75	591.90	99.90	End Shut-In(1)
75	51.78	99.86	Open To Flow (2)
121	65.23	100.33	Shut-In(2)
180	524.28	101.03	End Shut-In(2)
181	1743.06	101.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OSM 100%M	1.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FourWinds Oil Corporation
 PO Box 1063
 Hays KS 67601+1063
 ATTN: Cameron Brin

28-5s-20w Phillips,KS

Mary #2
 Job Ticket: 71143 **DST#: 2**
 Test Start: 2023.09.23 @ 22:40:00

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:02

Time Test Ended: 05:13:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3559.00 ft (KB) To 3643.00 ft (KB) (TVD)

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3643.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

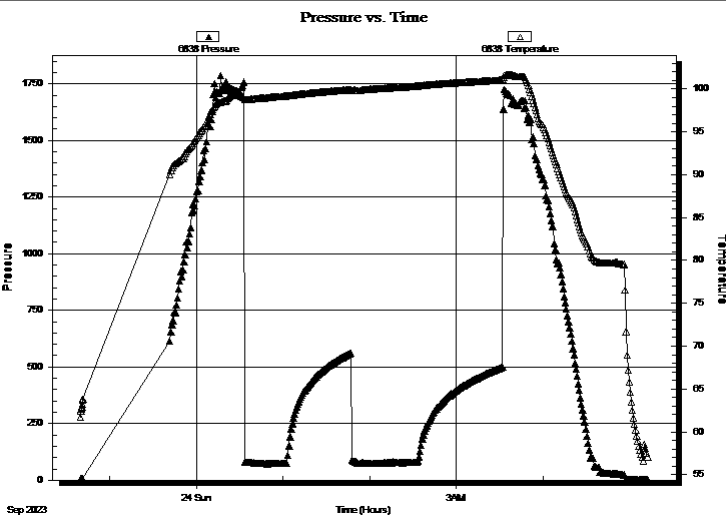
Press@RunDepth: psig @ 3562.00 ft (KB) Capacity: psig

Start Date: 2023.09.23 End Date: 2023.09.24 Last Calib.: 2023.09.24

Start Time: 22:40:01 End Time: 05:13:11 Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Slid 3' Surface to 5.25"
 45-ISI-No Return
 45-FF-Surface to 2.75"
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OSM 100%M	1.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71143

DST#: 2

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 22:40:00

Tool Information

Drill Pipe:	Length: 3536.00 ft	Diameter: 3.82 inches	Volume: 50.12 bbl	Tool Weight:	2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 daN
			<u>Total Volume:</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	50000.00 daN
Depth to Top Packer:	3559.00 ft			Final	50000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	84.00 ft				
Tool Length:	111.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3533.00	
Shut In Tool	5.00			3538.00	
Hydraulic tool	5.00			3543.00	
Gap Sub	4.00			3547.00	
Safety Joint	3.00			3550.00	
Packer	5.00			3555.00	27.00 Bottom Of Top Packer
Packer	4.00			3559.00	
Stubb	1.00			3560.00	
Perforations	1.00			3561.00	
Change Over Sub	1.00			3562.00	
Recorder	0.00	6838	Inside	3562.00	
Recorder	0.00	8875	Inside	3562.00	
Drill Pipe	64.00			3626.00	
Change Over Sub	1.00			3627.00	
Perforations	13.00			3640.00	
Bullnose	3.00			3643.00	84.00 Bottom Packers & Anchor
Total Tool Length:	111.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71143

DST#: 2

ATTN: Cameron Brin

Test Start: 2023.09.23 @ 22:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OSM 100%M	0.998

Total Length: 90.00 ft Total Volume: 0.998 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

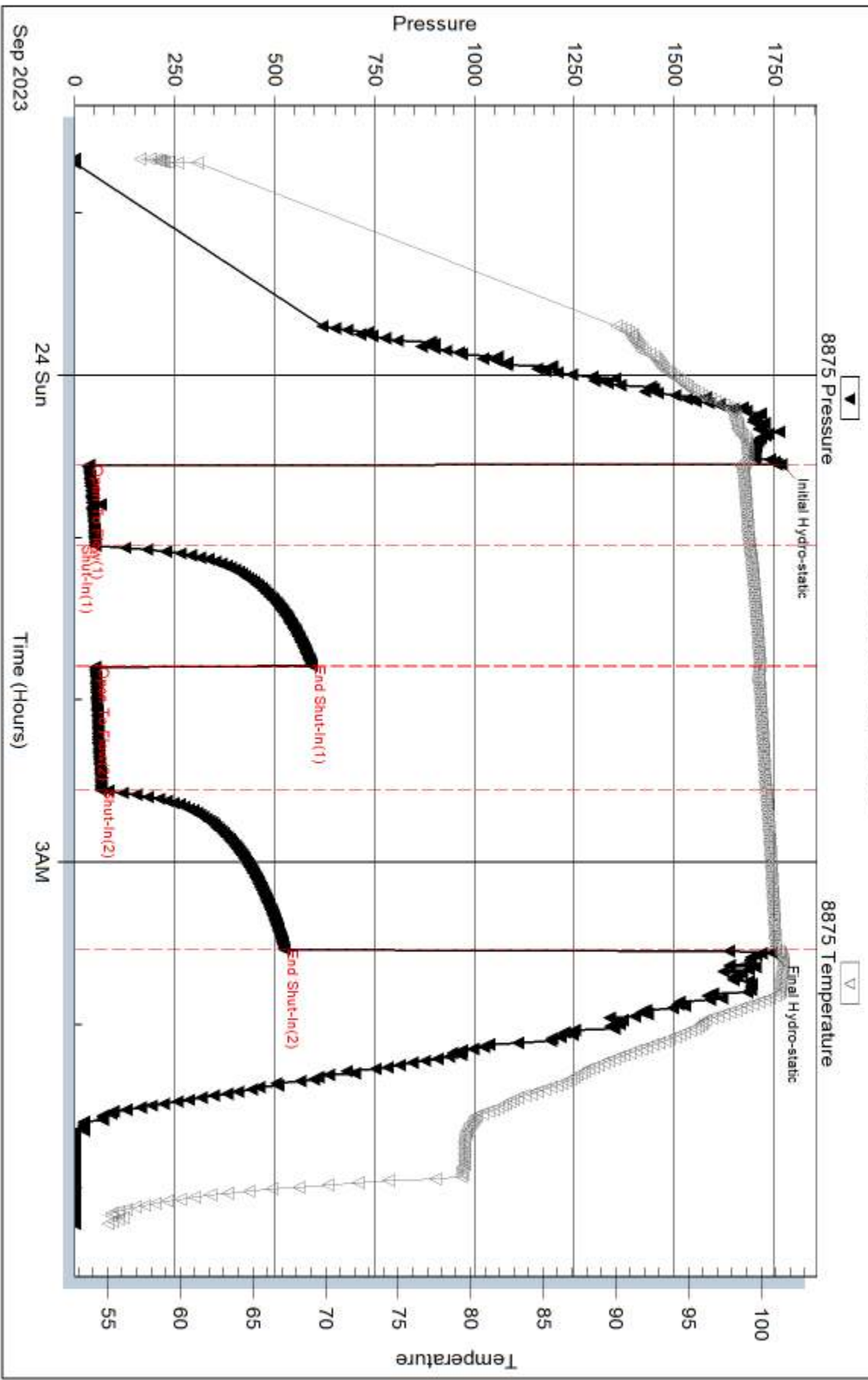
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1.5#LCM

Pressure vs. Time



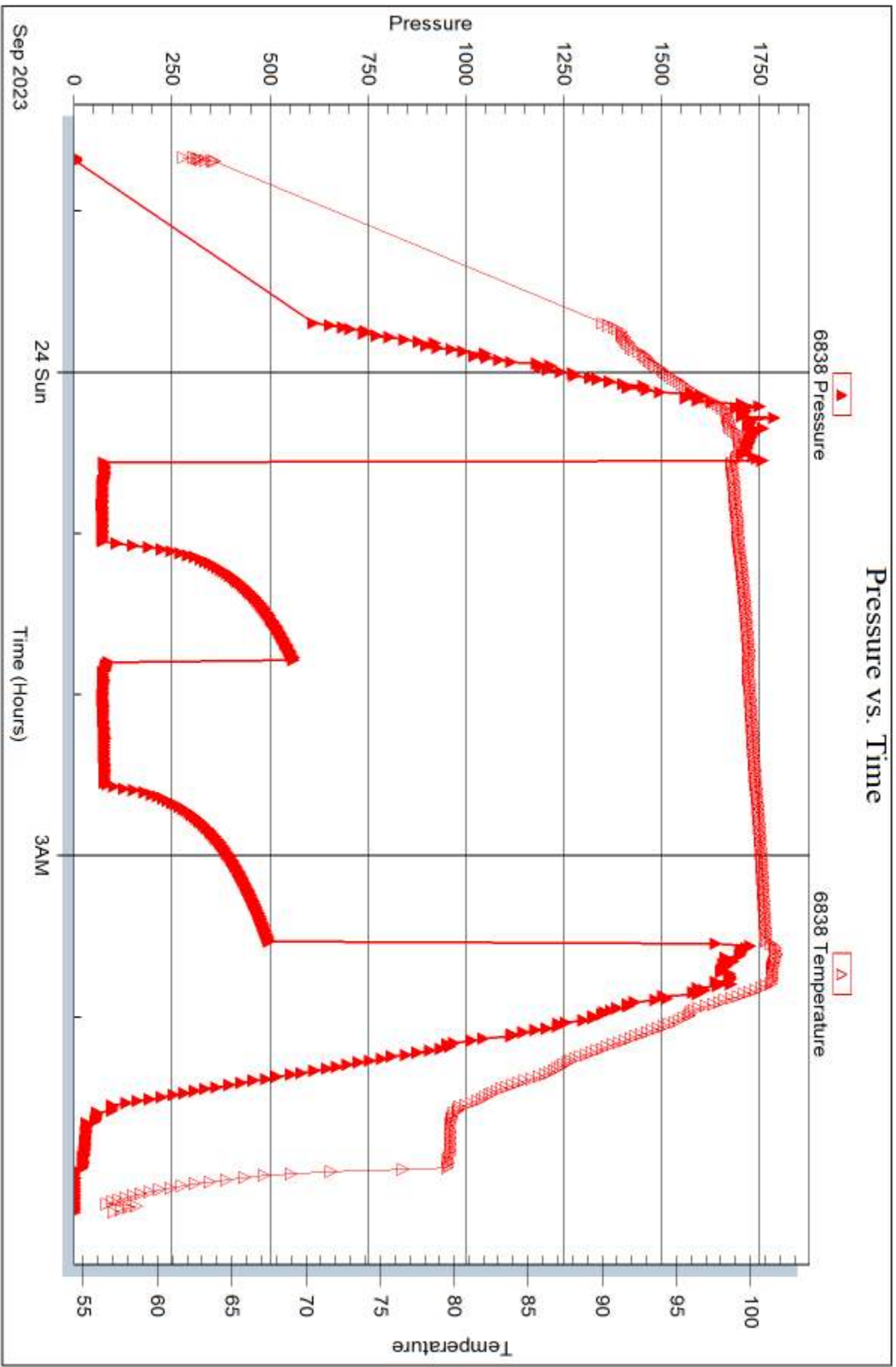
Serial #: 6838

Inside

FourWinds Oil Corporation

Mary #2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 71143

Printed: 2023.09.26 @ 12:23:10



DRILL STEM TEST REPORT

Prepared For: **FourWinds Oil Corporation**

PO Box 1063
Hays KS 67601+1063

ATTN: Cameron Brin

Mary #2

28-5s-20w Phillips,KS

Start Date: 2023.09.24 @ 11:59:01

End Date: 2023.09.24 @ 17:49:32

Job Ticket #: 71144 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.09.26 @ 12:17:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71144

DST#: 3

ATTN: Cameron Brin

Test Start: 2023.09.24 @ 11:59:01

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:42:27

Time Test Ended: 17:49:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: **3561.00 ft (KB) To 3647.00 ft (KB) (TVD)**

Reference Elevations: 2217.00 ft (KB)

Total Depth: 3647.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 518.14 psig @ 3564.00 ft (KB)

Capacity: psig

Start Date: 2023.09.24

End Date:

2023.09.24

Last Calib.:

2023.09.24

Start Time: 11:59:01

End Time:

17:49:32

Time On Btm:

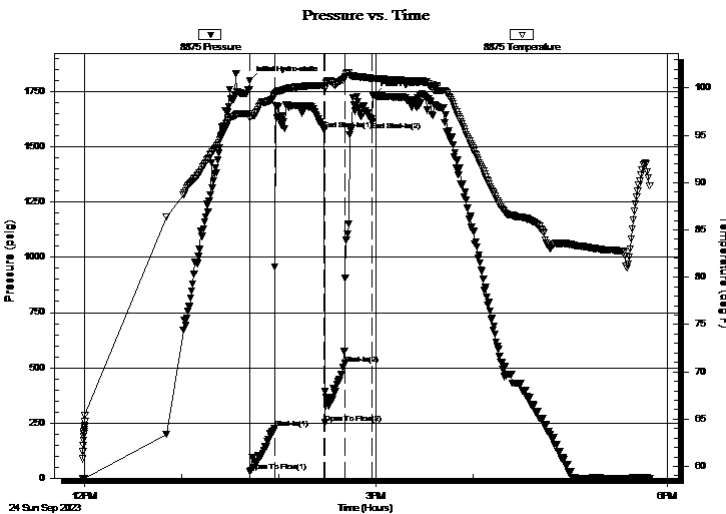
2023.09.24 @ 13:42:17

Time Off Btm:

2023.09.24 @ 14:58:37

TEST COMMENT: 15-IF-BOB 5 mins Built to 42.25"
30-ISI-No Return
15-FF-BOB instantaneously Built to 140"
45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.50	97.27	Initial Hydro-static
1	31.61	96.85	Open To Flow (1)
16	225.23	99.18	Shut-In(1)
46	1578.82	100.25	End Shut-In(1)
47	250.13	99.94	Open To Flow (2)
59	518.14	101.05	Shut-In(2)
76	1614.42	101.02	End Shut-In(2)
77	1731.64	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	WCM 10%W 90%M	8.23
1000.00	Mud 100%M	14.18

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

ATTN: Cameron Brin

Job Ticket: 71144

DST#: 3

Test Start: 2023.09.24 @ 11:59:01

GENERAL INFORMATION:

Formation: **Reagan Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:42:27

Time Test Ended: 17:49:32

Interval: 3561.00 ft (KB) To 3647.00 ft (KB) (TVD)

Total Depth: 3647.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2217.00 ft (KB)

2209.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3564.00 ft (KB)

Capacity: psig

Start Date: 2023.09.24 End Date: 2023.09.24

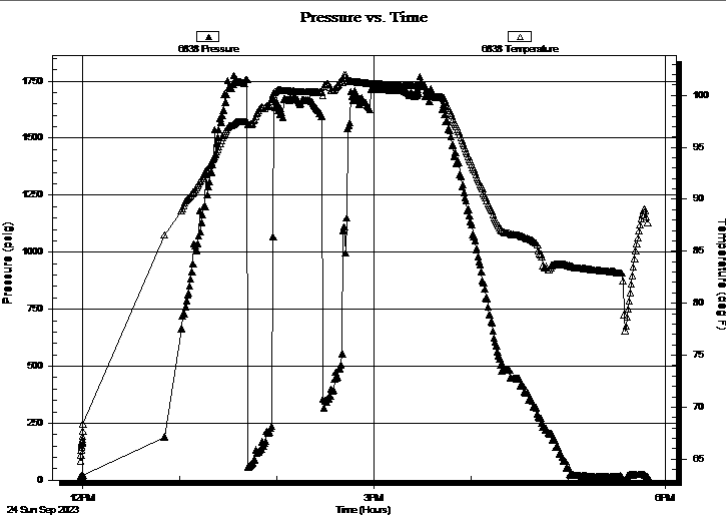
Last Calib.: 2023.09.24

Start Time: 11:59:01 End Time: 17:49:32

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-BOB 5 mins Built to 42.25"
30-ISI-No Return
15-FF-BOB instantaneously Built to 140"
45-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
600.00	WCM 10%W 90%M	8.23
1000.00	Mud 100%M	14.18

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71144

DST#: 3

ATTN: Cameron Brin

Test Start: 2023.09.24 @ 11:59:01

Tool Information

Drill Pipe:	Length: 3535.00 ft	Diameter: 3.82 inches	Volume: 50.11 bbl	Tool Weight:	2200.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	71000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	51000.00 daN
Depth to Top Packer:	3561.00 ft			Final	58000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	86.00 ft				
Tool Length:	113.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3535.00	
Shut In Tool	5.00			3540.00	
Hydraulic tool	5.00			3545.00	
Gap Sub	4.00			3549.00	
Safety Joint	3.00			3552.00	
Packer	5.00			3557.00	27.00 Bottom Of Top Packer
Packer	4.00			3561.00	
Stubb	1.00			3562.00	
Perforations	1.00			3563.00	
Change Over Sub	1.00			3564.00	
Recorder	0.00	6838	Inside	3564.00	
Recorder	0.00	8875	Inside	3564.00	
Drill Pipe	64.00			3628.00	
Change Over Sub	1.00			3629.00	
Perforations	15.00			3644.00	
Bullnose	3.00			3647.00	86.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FourWinds Oil Corporation

28-5s-20w Phillips,KS

PO Box 1063
Hays KS 67601+1063

Mary #2

Job Ticket: 71144

DST#: 3

ATTN: Cameron Brin

Test Start: 2023.09.24 @ 11:59:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	WCM 10%W 90%M	8.228
1000.00	Mud 100%M	14.175

Total Length: 1600.00 ft Total Volume: 22.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW=.341@80F

Serial #: 8875

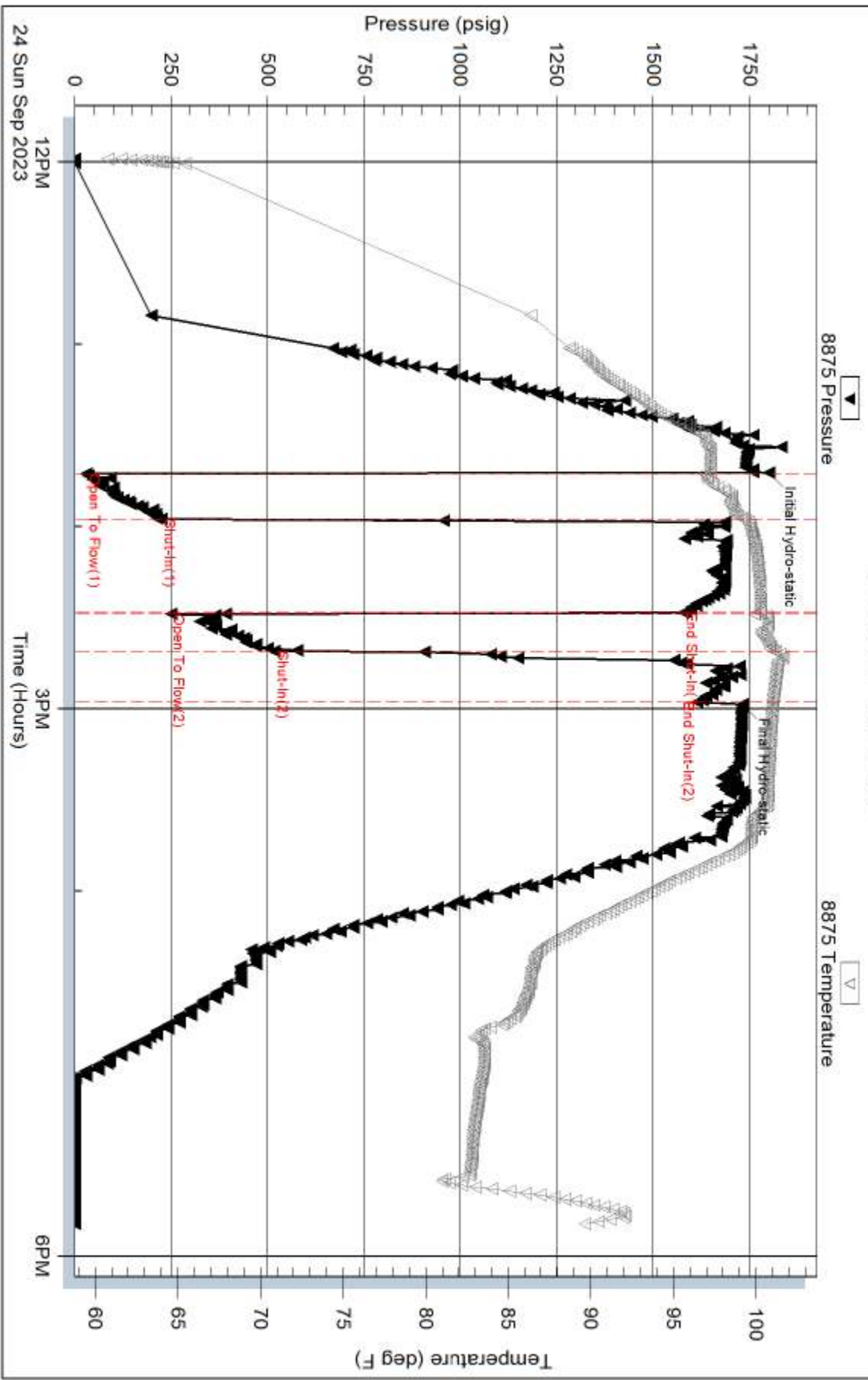
Inside

FourWinds Oil Corporation

Mary #2

DST Test Number: 3

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 71144

Printed: 2023.09.26 @ 12:17:38

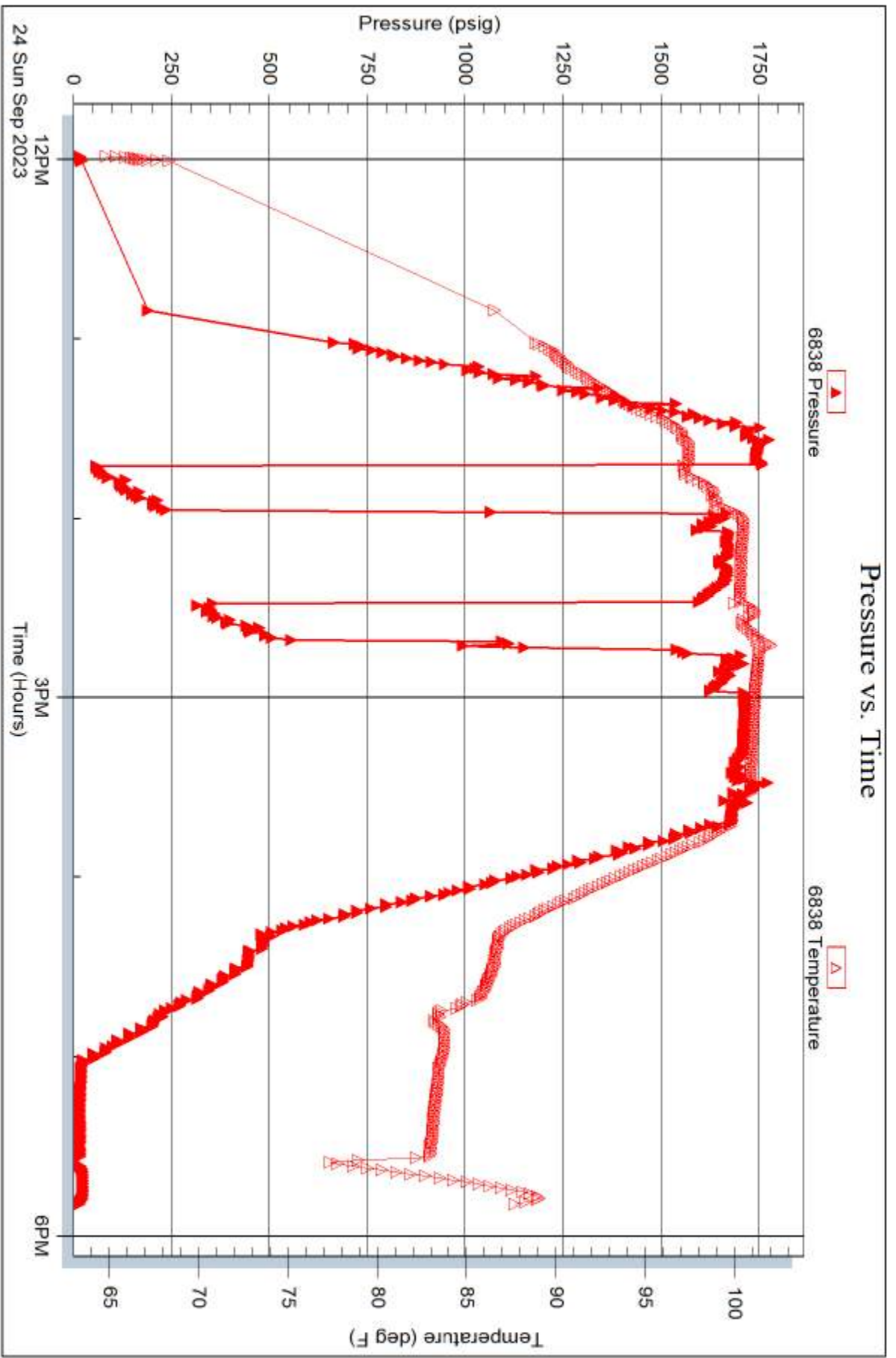
Serial #: 6838

Inside

FourWinds Oil Corporation

Mary #2

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 71144

Printed: 2023.09.26 @ 12:17:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71142**

Well Name & No. Mary #2 Test No. 1 Date 09/23/2023
 Company Four Winds Oil Corporation Elevation 2217' KB 2209' GL
 Address PO BOX 1063 Hays MS 67601 +1063
 Co. Rep / Geo Cameron Brin Rig Discovery #4
 Location: Sec. 28 Twp 5S Rge. 20W Co. Phillips State KS

Interval Tested 3560' - 3640' Zone Tested Reagan Sand
 Anchor Length 80' Drill Pipe Run 3537' Mud Wt. 8.9
 Top Packer Depth 3555' Drill Collars Run 30' Vis 58
 Bottom Packer Depth 3560' Wt. Pipe Run - WL 7.8
 Total Depth 3640' Chlorides 900 ppm System LCM 1.5#

Blow Description 17- Surface to 4.25"; Slid 5' on open
150- Surface Blow; Died @ 10 mins
77- Surface to 2.75"
75- Very Weak Surface; Died @ 2 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>130'</u>	<u>Mud w/oil spots</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 130' BHT 102° Gravity - API RW - @ - °F Chlorides - ppm
 Initial Hydrostatic 1754 Test 1800 Ruined Shale Packer
 Initial Flow 42 to 64 Jars Ruined Packer
 Initial Shut-In 657 Circ Sub Hotel
 Final Flow 68 to 78 Hourly Standby EM Tool Successful -350
 Final Shut-In 551 Mileage 1407 70mi 122.50 Accessibility
 Final Hydrostatic 1718 Sampler 29mi 50.75 Gas Sample
 T- On Location 05:20 Straddle Oversized Hole
 Initial Flow 30 T-Started 07:46 Shale Packer Sub Total -350
 Initial Shut-In 45 T-Open 09:53 Extra Packer Total 1623.25
 Final Flow 45 T-Pulled 12:53 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 14:40 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damage of any kind of 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71143**

Well Name & No. Mary #2 Test No. 2 Date 09/23/2023
 Company Four Winds Oil Corporation Elevation 2217' KB 2209 GL
 Address PO BOX 1063 Hays KS 67601+1063
 Co. Rep / Geo Cameron Bruin Rig Discovery #4
 Location: Sec. 28 Twp 5s Rge. 20w Co. Phillips State Ks

Interval Tested 3559'-3643' Zone Tested Reagan Sand
 Anchor Length 84' Drill Pipe Run 3536' Mud Wt. 9.3
 Top Packer Depth 3554' Drill Collars Run 30' Vis 52
 Bottom Packer Depth 3559' Wt. Pipe Run - WL 8.0
 Total Depth 3643' Chlorides 1000 ppm System LCM 1.5#

Blow Description 17-Surface to 5.25"; Slid 3' on open
1SD - No Return
77-Surface to 2.75"
7SD No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>90'</u>	<u>Oil Spotted Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90' BHT 101° Gravity - API RW - @ - °F Chlorides - ppm
 Initial Hydrostatic 1767 Test 1800 Ruined Shale Packer
 Initial Flow 36 to 51 Jars Ruined Packer
 Initial Shut-In 591 Circ Sub Hotel
 Final Flow 51 to 65 Hourly Standby EM Tool Successful -350
 Final Shut-In 524 Mileage 58.27 101.50 Accessibility
 Final Hydrostatic 1743 Sampler Gas Sample
 T-On Location 22:13 Straddle Oversized Hole
 Initial Flow 30 T-Started 22:40 Shale Packer Sub Total -350
 Initial Shut-In 45 T-Open 00:32 Extra Packer Total 1551.50
 Final Flow 45 T-Pulled 03:32 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 05:13 Day Standby MP/DST Disc't
 Comments mileage from HC house

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71144

Well Name & No. Mary #2 Test No. 3 Date 09/24/2023
 Company Four Winds Oil Corporation Elevation 2217 KB 2209 GL
 Address PO BOX 1063 Hays KS 67601 +1063
 Co. Rep / Geo Cameron Brin Rig Discovery #4
 Location: Sec. 28 Twp 5S Rge. 20W Co. Phillips State KS

Interval Tested 3561' - 3647' Zone Tested Reagan Sand
 Anchor Length 86' Drill Pipe Run 3535' Mud Wt. 9.4
 Top Packer Depth 3556' Drill Collars Run 30' Vis 4/6
 Bottom Packer Depth 3561' Wt. Pipe Run - WL 8.0
 Total Depth 3647' Chlorides 1200 ppm System LCM 1#

Blow Description 27-BOB 5 mins; Built to 42.25"
2SD- No Return
77-BOB instantaneously; Built to 140"
7SD- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>600'</u>	<u>WCM</u>			<u>10</u>	
<u>1000'</u>	<u>Mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1600' BHT 101° Gravity - API RW .341 @ 80 °F Chlorides 17,000 ppm

Initial Hydrostatic 1800 Test 1800 Ruined Shale Packer
 Initial Flow 31 to 225 Jars Ruined Packer
 Initial Shut-In 1578 Circ Sub Hotel
 Final Flow 250 to 518 Hourly Standby EM Tool Successful -350
 Final Shut-In 1614 Mileage 5827x2 101.50 Accessibility
 Final Hydrostatic 1731 Sampler 29mi 50.75 70mi 122.50 Gas Sample
 T- On Location 11:40 Straddle Oversized Hole
 Initial Flow 15 T-Started 11:59 Shale Packer Sub Total -350
 Initial Shut-In 30 T-Open 13:42 Extra Packer Total 1724.75
 Final Flow 15 T-Pulled 15:27 Extra Recorder Tool Loaded 09/25 @ 06:00
 Final Shut-In 45 T-Out 17:49 Day Standby MP/DST Disc't

Comments mileage from HC house

Approved By _____ Our Representative Spencer J. Reed

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