General Information Report

Representative

Well Operator

**Report Date** 

**Prepared By** 

**Qualified By** 

#### **General Information**

**Company Name** RITCHIE EXPLORATION, INC. **JUSTIN CLEGG** Contact **Well Name EDWARDS 17B #1 Unique Well ID DST #1, TOPEKA, 3959-3976** Surface Location SEC 17-15S-35W, LOGAN CO. KS. **Field WILDCAT Well Type** Vertical CONVENTIONAL **Test Type Formation DST #1, TOPEKA, 3959-3976 Well Fluid Type** 01 Oil

**TIM VENTERS** 

**TIM VENTERS** 

**MAX LOVELY** 

2015/07/22

RITCHIE EXPLORATION, INC.

2015/07/21 **Start Test Date Start Test Time Final Test Date** 2015/07/22

21:26:00 **Final Test Time** 04:38:00

#### **Test Recovery:**

RECOVERED: 20' MCW, 67% WATER, 33% MUD 60' HWCM, 41% WATER, 59% MUD

**80' TOTAL FLUID** 

TOOL SAMPLE: TRACE OIL, 37% WATER, 63% MUD

CHLORIDES: 56,000 ppm

PH: 8.0

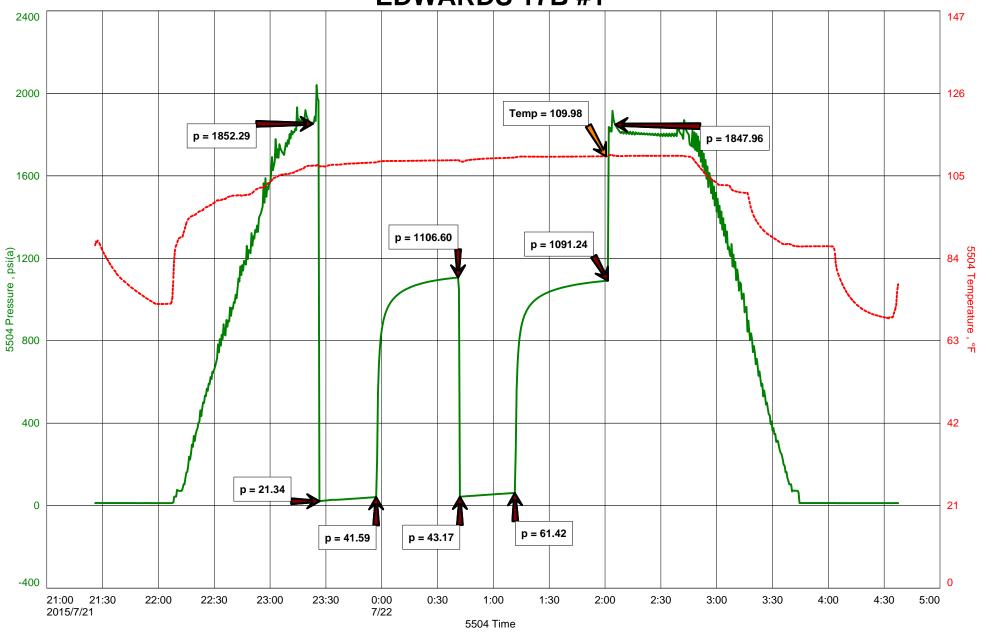
PH: .69 @ 70 deg.

RITCHIE EXPLORATION, INC. DST #1, TOPEKA, 3959-3976 Start Test Date: 2015/07/21

Formation: DST #1, TOPEKA, 3959-3976 Final Test Date: 2015/07/22

Pool: WILDCAT Job Number: T479







### **DIAMOND TESTING** P.O. Box 157

HOISINGTON, KANSAS 67544

(800) 542-7313

**DRILL-STEM TEST TICKET** FILE: EDWARDS17B1DST1

TIME ON: 21:26 7-21-15

TIME OFF: 04:38 7-22-15

Company RITCHIE EXPLORATION, INC.	Lease & Well No. EDWARDS 17B #1
Contractor WW DRILLING, LLC RIG #8	Charge to_RITCHIE EXPLORATION, INC.
Elevation3271 KBFormationTOF	PEKA Effective PayFt. Ticket NoT479
Date 7-21-15 Sec. 17 Twp. 15 S	
Test Approved By MAX LOVELY	Diamond RepresentativeTIMOTHY T. VENTERS
Formation Test No. 1 Interval Tested from	3959 ft. to 3976 ft. Total Depth 3976 ft.
Packer Depth 3954 ft. Size6 3/4 in.	Packer depthft. Size_ 6 3/4 in.
Packer Depth 3959 ft. Size6 3/4in.	Packer depthft. Size6 3/4in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3940 ft.	Recorder Number5504 Cap5,000 P.S.I.
Bottom Recorder Depth (Outside)ft.	Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.
Mud Type CHEMICAL Viscosity 54	Drill Collar Length 119 ft. I.D 2 1/4 in.
Weight 8.9 Water Loss 7.2	_cc. Weight Pipe Length0 ft. I.D2 7/8 in
Chlorides 4,000 P.P.M.	Drill Pipe Length 3807 ft. I.D 3 1/2 in
Jars: Make STERLING Serial Number 2	Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO	Anchor Length 17 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: VERY WEAK SURFACE BLOW, B	UILDING TO 1 1/2 INCHES. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, BUIL	LDING TO 1 INCH. (NO BB)
Recovered 20 ft. of MCW, 67% WATER, 33% MUD	
Recovered60_ft. of HWCM, 41% WATER, 59% MUD	
Recovered 80 ft. of TOTAL FLUID	
Recoveredft. of	
Recoveredft. of	Price Job
Recoveredft. ofCHL	ORIDES: 56,000 ppm Other Charges
Remarks: PH: 8	3.0 Insurance
	69 @ 70 deg.
TOOL SAMPLE: TRACE OIL, 37% WATER, 63% MUD	Total
Time Set Packer(s) 11:26 PM A.M. P.M. Time Started Of	
Initial Hydrostatic Pressure	
initial Flow Fellouiviinutes	60 (B) 21 P.S.I. to (C) 42 P.S.I.
mitial Closed in Periodiviinutes	5 (D) 1107 P.S.I.
riliairiow reliouwiinutes	60 (E) 43 P.S.I. to (F) 61 P.S.I.
Final Closed In PeriodMinutes	5 (G) 1091 P.S.I.
	(H)1848 P.S.I.

General Information Report

**TIM VENTERS** 

**TIM VENTERS** 

**MAX LOVELY** 

2015/07/23

#### **General Information**

**Company Name** RITCHIE EXPLORATION, INC. Representative **JUSTIN CLEGG** Contact Well Operator RITCHIE EXPLORATION, INC. **Well Name EDWARDS 17B #1 Report Date** Unique Well ID **DST #2, LANSING "C", 4087-4118, Prepared By** Surface Location SEC 17-15S-35W, LOGAN CO. KS. **Field WILDCAT Qualified By Well Type** Vertical CONVENTIONAL **Test Type** DST #2, LANSING "C", 4087-4118 **Formation Well Fluid Type** 01 Oil

2015/07/23 **Start Test Date Start Test Time** 02:18:00 **Final Test Date** 2015/07/23 **Final Test Time** 09:25:00

#### **Test Recovery:**

RECOVERED: 75' SWCM, 13% WATER, 87% MUD 60' MUD, 100% MUD 135' TOTAL FLUID

**TOOL SAMPLE: TRACE OIL, 18% WATER, 82% MUD** 

CHLORIDES: 74,000 ppm

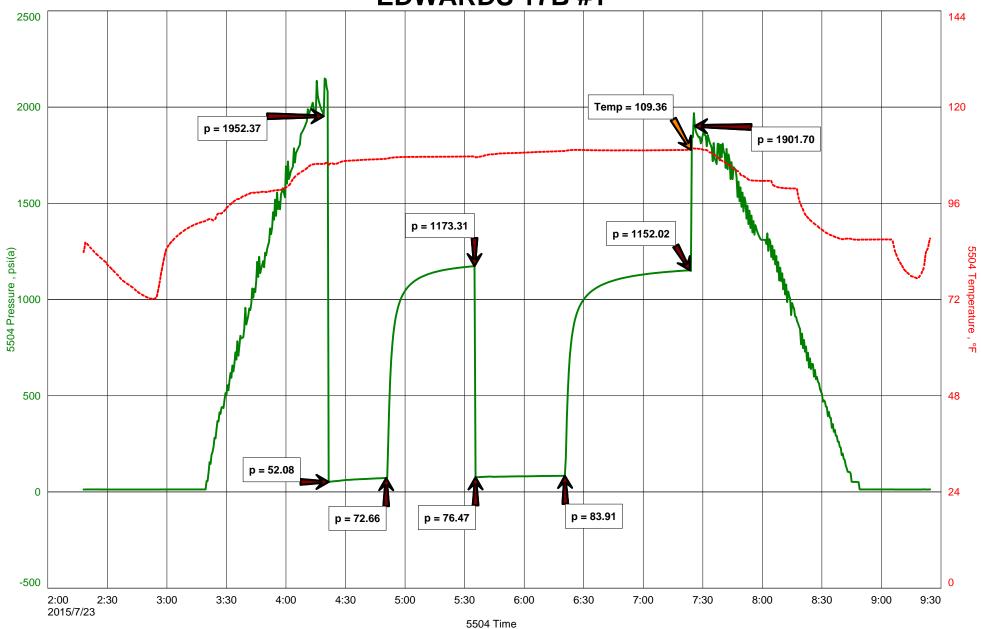
PH: 7.5

RW: .48 @ 77 deg.

RITCHIE EXPLORATION, INC. DST #2, LANSING "C", 4087-4118,

Start Test Date: 2015/07/23 Final Test Date: 2015/07/23 EDWARDS 17B #1 Formation: DST #2, LANSING "C", 4087-4118

Pool: WILDCAT Job Number: T480





### DIAMOND TESTING P.O. Box 157

## HOISINGTON, KANSAS 67544

(800) 542-7313

**DRILL-STEM TEST TICKET** 

TIME ON: 02:18 TIME OFF: 09:25

FILE: EDWARDS17B1DST2

DITCHIE EVEL ODATION INC	Lease & Well No. EDWARDS 17B #1					
Contractor WW DRILLING, LLC RIG #8						
	C" Effective Pay Ft. Ticket No. T480					
Date 7-23-15 Sec. 17 Twp. 15 S						
Test Approved By MAX LOVELY						
Formation Test No. 2 Interval Tested from 4	087 ft. to4118 ft. Total Depth 4118 ft.					
Packer Depth ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.					
Packer Depth 4087 ft. Size 6 3/4 in.						
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 4068 ft.	Recorder Number					
Bottom Recorder Depth (Outside) 4115 ft.	Recorder Number 11029 Cap. 5,025 P.S.I.					
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.					
Mud Type CHEMICAL Viscosity 49						
Weight 9.3 Water Loss 8.8 c	. Weight Pipe Length 0_ft. I.D 2 7/8 in					
Chlorides 5,200 P.P.M.	Drill Pipe Length 3935 ft. I.D 3 1/2 in					
Jars: Make STERLING Serial Number 2	Test Tool Length 33 ft. Tool Size 3 1/2-IF in					
Did Well Flow?NOReversed OutNO	Anchor Length ft. Size 4 1/2-FH in					
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in					
Blow: 1st Open: WEAK SURFACE BLOW, BUILDIN	G TO 1 1/4 INCHES. (NO BB)					
2nd Open: VERY WEAK SURFACE BLOW, BUILT	DING TO 1/2 INCH. (NO BB)					
Recovered 75 ft. of SWCM, 13% WATER, 87% MUD						
Recovered 60 ft. of MUD, 100% MUD						
Recovered 135 ft. of TOTAL FLUID						
Recovered ft. of						
Recoveredft. of	Price Job					
Recoveredft. ofCHLO	RIDES: 74,000 ppm Other Charges					
Remarks: PH: 7.5	Insurance					
RW: .4	3 @ 77 deg.					
TOOL SAMPLE: TRACE OIL, 18% WATER, 82% MUD	Total					
Time Set Packer(s) 4:20 AM A.M. P.M. Time Started Off E	ottom7:20 AMP.MMaximum Temperature109 deg.					
Initial Hydrostatic Pressure	4050					
Initial Hydrostatic Pressure	4050					
20	(A) 1952 P.S.I.  (B) 52 P.S.I. to (C) 73 P.S.I.  (D) 1173 P.S.I.					
Initial Flow Period	(A) 1952 P.S.I.  (B) 52 P.S.I. to (C) 73 P.S.I.					
Initial Flow Period	(A) 1952 P.S.I.  (B) 52 P.S.I. to (C) 73 P.S.I.  (D) 1173 P.S.I.					

General Information Report

#### **General Information**

Company Name Contact	RITCHIE EXPLORATION, INC. JUSTIN CLEGG	Representative Well Operator	TIM VENTERS RITCHIE EXPLORATION, INC.
Well Name	EDWARDS 17B #1	Report Date	2015/07/24
<b>Unique Well ID</b>	DST #3, LANSING "E&F", 4146-4169	Prepared By	TIM VENTERS
Surface Location	SEC 17-15S-35W, LOGAN CO. KS.		
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical	-	
Test Type	CONVENTIONAL		
Formation	DST #3, LANSING "E&F", 4146-4169		
Well Fluid Type	01 Oil		
Start Test Date	2015/07/23	Start Test Time	18:19:00
Final Test Date	2015/07/24	Final Test Time	01:37:00

#### **Test Recovery:**

RECOVERED: 180' MCW, 72% WATER, 28% MUD 60' SMCW, 92% WATER, 8% MUD

240' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 71% WATER, 29% MUD

CHLORIDES: 128,000 ppm

PH: 8.0

RW: .38 @ 78 deg.

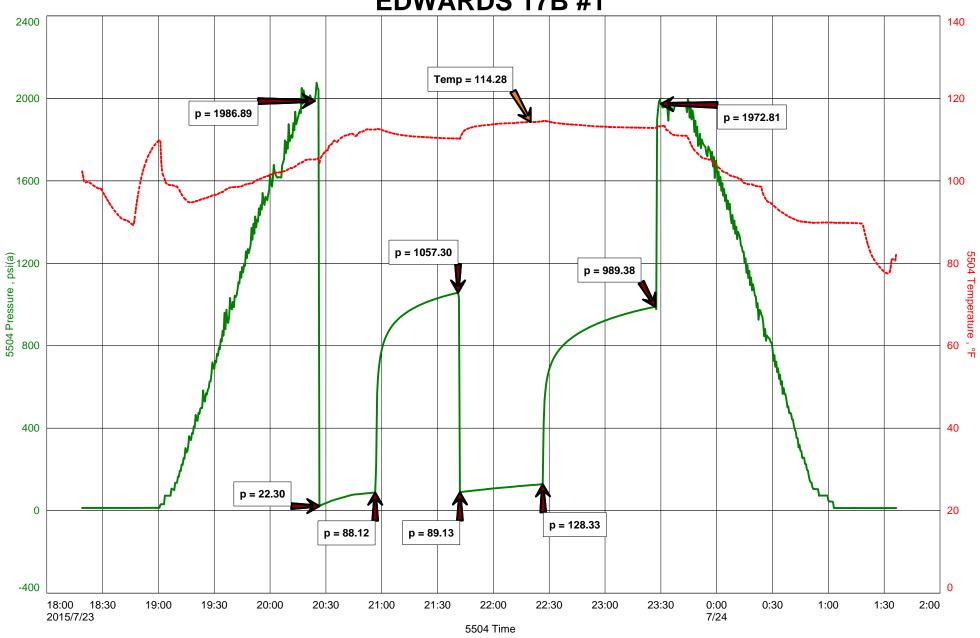
RITCHIE EXPLORATION, INC. DST #3, LANSING "E&F", 4146-4169

Start Test Date: 2015/07/23 Final Test Date: 2015/07/24

## **EDWARDS 17B #1**

EDWARDS 17B #1 Formation: DST #3, LANSING "E&F", 4146-4169

Pool: WILDCAT Job Number: T481





### **DIAMOND TESTING** P.O. Box 157

## HOISINGTON, KANSAS 67544

(800) 542-7313

**DRILL-STEM TEST TICKET** FILE: EDWARDS17B1DST3

TIME ON: 18:19 7-23-15

TIME OFF: 01:37 7-24-15

FILE:	EDWAR	RDS17B1DS13				
Company RITCHIE EXPLORATION, INC.		_Lease & Well NoE	EDWARDS 17B #	<u>‡1</u>		
Contractor WW DRILLING, LLC RIG #8		Charge to RITCHIE	EXPLORATION	N, INC.		
Elevation3271 KBFormationLANSIN	NG "E&F	_Effective Pay		Ft. Tick	et No	T481
Date 7-23-15 Sec. 17 Twp						KANSAS
Test Approved By MAX LOVELY		Diamond Representat	tiveT	IMOTHY T.	VENTERS	;
Formation Test No. 3 Interval Tested from	41	46 ft. to	4169 ft. To	tal Depth		4169 ft.
44.44	in.	Packer depth		18 19		in.
44.40	n.	Packer depth				in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 413	4 ft.	Recorder Number_	550	04 Cap	5,00	0 P.S.I.
Bottom Recorder Depth (Outside) 416	6 <sub>ft.</sub>	Recorder Number_	1102	29 Cap	5,02	<sup>25</sup> P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number_		Сар		P.S.I.
Mud Type CHEMICAL Viscosity 58		Drill Collar Length_	11	9 ft. I.D	2 1/	/4in.
Weight 9.4 Water Loss 10.4	cc.	Weight Pipe Length	1	0_ft. I.D	2 7/	/8 in
Chlorides 8,000 P.F	P.M.	Drill Pipe Length	400	1_ft. I.D	3 1/	/2 in
Jars: Make STERLING Serial Number		Test Tool Length_	2	6 <sub>ft.</sub> Tool S	Size 3_1/	/2-IF in
Did Well Flow? NO Reversed Out NO	)	Anchor Length	2	3_ft. Size_	4 1/	2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 X	H_in.	Surface Choke Size	11	_in. Botto	m Choke Siz	ze_5/8_in
Blow: 1st Open: VERY WEAK SURFACE BLOW	, BUIL	DING TO 6 IN	NCHES.		(NO BE	3)
2nd Open: VERY WEAK SURFACE BLOW, E	BUILDI	NG TO 6 3/4 IN	ICHES.		(NO BB)	)
Recovered 180 ft. of MCW, 72% WATER, 28% MUD						
Recovered 60 ft. of SMCW, 92% WATER, 8% MUD						
Recovered 240 ft. of TOTAL FLUID						
Recoveredft. of						
Recoveredft. of				Price Job		
Recoveredft. of	HLORI	DES: 128,000 pp	om	Other Char	ges	
Remarks: P	H: 8.0			Insurance		
	W: .38	@ 78 deg.				
TOOL SAMPLE: TRACE OIL, 71% WATER, 29% MUD			A.M.	Total		
Time Set Packer(s) 8:26 PM P.M. Time Starte	d Off Bo	11:26 PN	1 P.M. Ma	aximum Temp	erature _ 1	14 deg.
Initial Hydrostatic Pressure		(A)	1987 <sub>P.S.I.</sub>			
Initial Flow PeriodMinutes	30	(B)		to (C)	88	P.S.I.
Initial Closed In Period	45	(D)	1057 P.S.I.			
Final Flow Period	45	(E)		o (F)	128 <sub>F</sub>	<sup>2</sup> .S.I.
Final Closed In PeriodMinutes	60	(G)	989 P.S.I.			
Final Hydrostatic Pressure.			1973 <sub>P.S.I.</sub>			
Diamond Testing shall not be liable for damages of any kind to the property or pers	connel of the	one for whom a test is mad	e or for any loss suffe	red or sustained	tirectly or indire	ctly through

General Information Report

**TIM VENTERS** 

**TIM VENTERS** 

**MAX LOVELY** 

2015/07/25

#### **General Information**

**Company Name** RITCHIE EXPLORATION, INC. Representative **JUSTIN CLEGG** RITCHIE EXPLORATION, INC. Contact Well Operator **Well Name EDWARDS 17B #1 Report Date** Unique Well ID **DST #4, LANSING "H", 4228-4267 Prepared By** Surface Location SEC 17-15S-35W, LOGAN CO. KS. **Qualified By** Field **WILDCAT Well Type** Vertical CONVENTIONAL **Test Type DST #4, LANSING "H", 4228-4267 Formation Well Fluid Type** 01 Oil

2015/07/24 **Start Test Date Start Test Time** 16:24:00 **Final Test Date** 2015/07/25 **Final Test Time** 00:50:00

#### **Test Recovery:**

RECOVERED: 285' HMCW, 55% WATER, 45% MUD

125' MCW, 75% WATER, 25% MUD 500' SMCW, 96% WATER, 4% MUD

910' TOTAL FLUID

**TOOL SAMPLE: 100% WATER** 

CHLORIDES: 132,000 ppm

PH: 7.5

RW: .36 @ 76 deg.

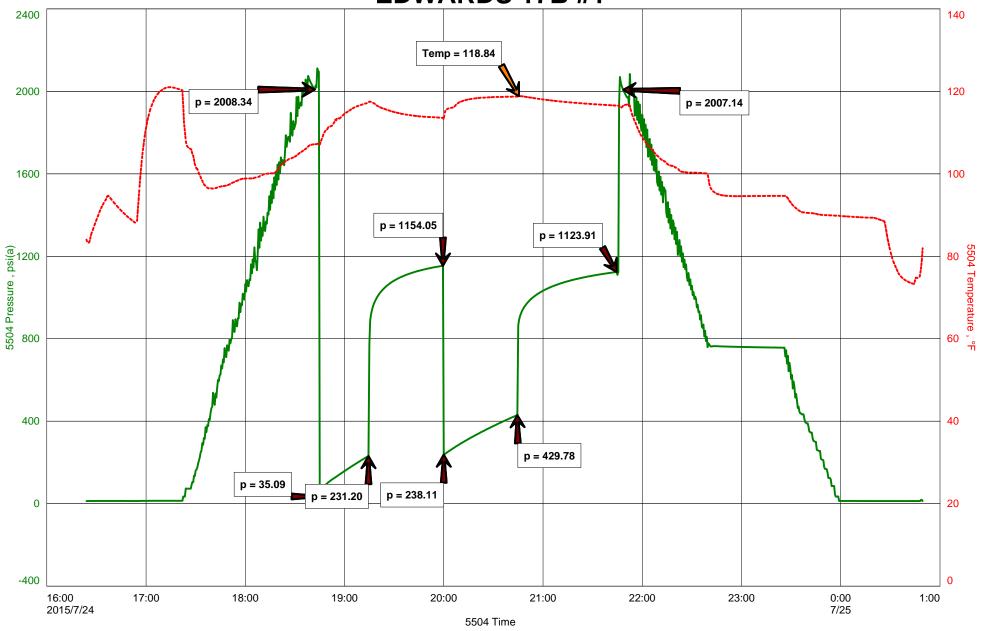
RITCHIE EXPLORATION, INC. DST #4, LANSING "H", 4228-4267

Start Test Date: 2015/07/24 Final Test Date: 2015/07/25

## EDWARDS 17B #1 Formation: DST #4, LANSING "H", 4228-4267

Pool: WILDCAT Job Number: T482







# P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

**DRILL-STEM TEST TICKET**FILE: EDWARDS17B1DST4

TIME ON: 16:24 7-24-15
TIME OFF: 00:50 7-25-15

-STEM TEST TICKET

DITCHIE EVELODATION INC	Lease & Well No. EDWARDS 17B #1					
Contractor WW DRILLING, LLC RIG #8						
	H"Effective Pay Ft. Ticket NoT482					
Date 7-24-15 Sec. 17 Twp. 15 S R		S				
Test Approved By MAX LOVELY						
Formation Test No. 4 Interval Tested from 42						
Packer Depth 4223 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.					
Packer Depth 4228 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.					
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 4209 ft.	Recorder Number_ 5504 Cap. 5,000 P.S.I.					
Bottom Recorder Depth (Outside) 4264 ft.	Recorder Number11029_Cap5,025_ P.S.I.					
Below Straddle Recorder Depthft.	Recorder Number Cap. P.S.I.					
Mud Type CHEMICAL Viscosity 69	Drill Collar Length119 ft. I.D2 1/4	in.				
Weight9.1 Water Loss8.0cc	Weight Pipe Length0_ft.	in				
Chlorides 6,500 P.P.M.	Drill Pipe Length 4076 ft. I.D 3 1/2	in				
Jars: Make STERLING Serial Number 2	Test Tool Length33 ft. Tool Size3 1/2-IF	in				
Did Well Flow?NOReversed OutNO	Anchor Length39_ft. Size4 1/2-FH	in				
	Surface Choke Size 1 in. Bottom Choke Size 5/8	in				
Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING,	REACHING BOB 9 MIN. (NO BB)					
<sup>2nd Open:</sup> WEAK SURFACE BLOW, BUILDING, F	REACHING BOB 11 MIN. (NO BB)					
Recovered 285 ft. of HMCW, 55% WATER, 45% MUD						
Recovered 125 ft. of MCW, 75% WATER, 25% MUD						
Recovered 500 ft. of SMCW, 96% WATER, 4% MUD						
Recovered 910 ft. of TOTAL FLUID						
Recoveredft. of	Price Job	_				
Recovered ft. of CHLOR		_				
	IDES: 132,000 ppm Other Charges	_				
Remarks: PH: 7.5	IDES: 132,000 ppm Other Charges Insurance					
Remarks: PH: 7.5						
Remarks: PH: 7.5  RW: .36  TOOL SAMPLE: 100% WATER	@ 76 deg.  Total					
Remarks: PH: 7.5 RW: .36	@ 76 deg.  Total  O:44 DM A.M.					
Remarks: PH: 7.5 RW: .36 TOOL SAMPLE: 100% WATER	@ 76 deg.  Total  9:44 PM A.M. P.M. Maximum Temperature 119 deg					
Remarks:         PH: 7.5           RW: .36           TOOL SAMPLE: 100% WATER           Time Set Packer(s)         6:44 PM         A.M. P.M. Time Started Off Both P.M.	@ 76 deg.  Total  9:44 PM A.M. P.M. Maximum Temperature 119 deg					
Remarks: PH: 7.5  RW: .36  TOOL SAMPLE: 100% WATER  Time Set Packer(s) 6:44 PM A.M. P.M. Time Started Off Boundary Processor P	Insurance					
Remarks:	Insurance					
Remarks: PH: 7.5  RW: .36  TOOL SAMPLE: 100% WATER  Time Set Packer(s) 6:44 PM A.M. P.M. Time Started Off Boundarie Pressure  Initial Hydrostatic Pressure  Initial Flow Period. Minutes 30  Initial Closed In Period. Minutes 45	Insurance					

General Information Report

#### **General Information**

Company Name Contact	RITCHIE EXPLORATION, INC. JUSTN CLEGG	Representative Well Operator	TIM VENTERS RITCHIE EXPLORATION, INC.
Well Name	EDWARDS 17B #1	Report Date	2015/07/25
Unique Well ID	DST #5, LANSING "I&J", 4290-4319	Prepared By	TIM VENTERS
Surface Location	SEC 17-15S-35W, LOGAN CO. KS.		
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical	-	
Test Type	CONVENTIONAL		
Formation	DST #5, LANSING "I&J", 4290-4319		
Well Fluid Type	01 Oil		
Start Test Date	2015/07/25	Start Test Time	12:04:00
Final Test Date	2015/07/25	Final Test Time	17:50:00

### Test Recovery:

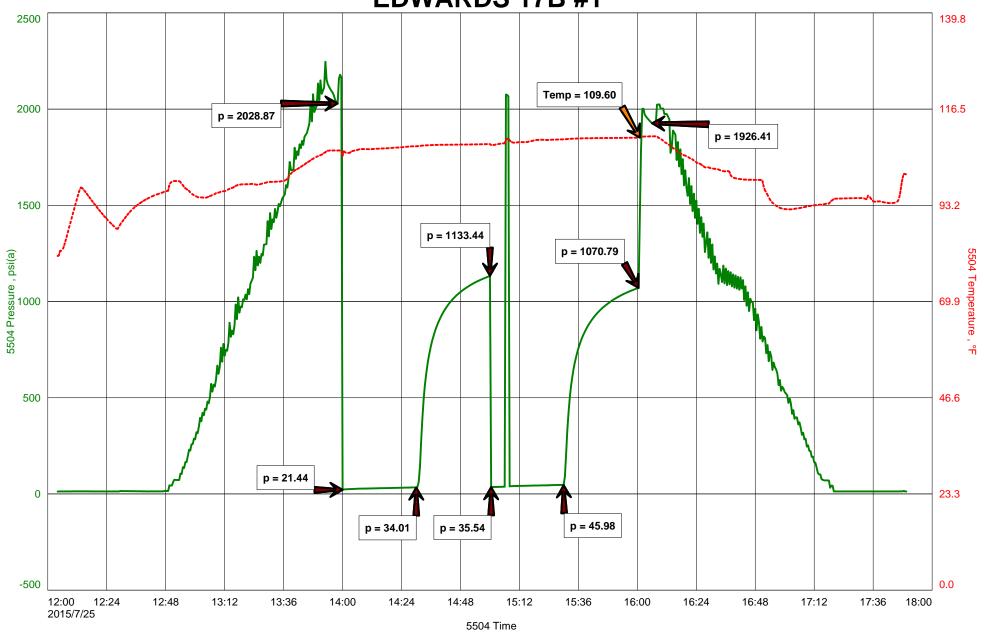
RECOVERED: 20' M W/TR. O, TRACE OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

RITCHIE EXPLORATION, INC. DST #5, LANSING "I&J", 4290-4319

Start Test Date: 2015/07/25 Final Test Date: 2015/07/25 EDWARDS 17B #1 Formation: DST #5, LANSING "I&J", 4290-4319

Pool: WILDCAT Job Number: T483





# P.O. Box 157 OISINGTON, KANSAS 6754

HOISINGTON, KANSAS 67544 (800) 542-7313

## DRILL-STEM TEST TICKET FILE: EDWARDS17B1DST5

TIME ON: 12:04
TIME OFF: 17:50

•	KD517B1D515					
Company_RITCHIE EXPLORATION, INC.						
Contractor WW DRILLING, LLC RIG #8						
Elevation3271 KBFormationLANSING "I&	J" Effective PayFt. Ticket NoT483					
Date 7-25-15 Sec. 17 Twp. 15 S R	ange 35 W County LOGAN State KANSAS					
Test Approved By MAX LOVELY	Diamond RepresentativeTIMOTHY T. VENTERS					
	290 ft. to 4319 ft. Total Depth 4319 ft.					
Packer Depth	Packer depthft. Size6 3/4 in.					
Packer Depth 4290 ft. Size 6 3/4 in.	Packer depthft. Size6 3/4 in.					
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 4271 ft.	Recorder Number					
Bottom Recorder Depth (Outside) 4316_ft.	Recorder Number11029_Cap5,025_P.S.I.					
Below Straddle Recorder Depthft.	Recorder Number Cap P.S.I.					
Mud Type CHEMICAL Viscosity 50	Drill Collar Length 119 ft. I.D. 2 1/4 in.					
Weight	. Weight Pipe Length 0 ft. I.D 2 7/8 in					
Chlorides 6,000 P.P.M.	Drill Pipe Length 4138 ft. I.D 3 1/2 in					
Jars: Make STERLING Serial Number 2	Test Tool Length 33 ft. Tool Size 3 1/2-IF in					
Did Well Flow?NOReversed OutNO	Anchor Length ft. Size 4 1/2-FH in					
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in					
Blow: 1st Open: NO BLOW THROUGHOUT PERIOD, EXCEPT THE SURGE BLOW. (NO BB)						
<sup>2nd Open:</sup> NO BLOW THROUGHOUT PERIOD.	(NO BB)					
Recovered 20 ft. of M W/TR. O, TRACE OIL, 100% MUD						
Recovered ft. of						
Recoveredft. of						
Recoveredft. of						
Recoveredft. of	Price Job					
Recoveredft. of	Other Charges					
Remarks: WE FLUSHED TOOL 5 MIN. INTO FINAL FLOW F	PERIOD AND JUST GOT Insurance					
SURGE BLOW.						
TOOL SAMPLE: TRACE OIL, 100% MUD	Total					
Time Set Packer(s) 2:00 PM A.M. P.M. Time Started Off Be	ottom4:00 PMP.MMaximum Temperature110 deg.					
Initial Hydrostatic Pressure	(A) 2029 P.S.I.					
Initial Flow PeriodMinutes30	(B) 21 P.S.I. to (C) 34 P.S.I.					
Initial Closed In Period	(D)1133 <sub>P.S.I.</sub>					
Final Flow Period	(E)36 P.S.I. to (F)46 P.S.I.					
Final Closed In PeriodMinutes30	(G) 1071 P.S.I.					
Final Hydrostatic Pressure	(H) 1926 <sub>P.S.I.</sub>					

General Information Report

**Start Test Time** 

**Final Test Time** 

16:30:00

00:23:00

#### **General Information**

Company Name	RITCHIE EXPLORATION, INC.	Representative	TIM VENTERS
Contact	JUSTIN CLEGG	Well Operator	RITCHIE EXPLORATION, INC.
Well Name	EDWARDS 17B #1	Report Date	2015/07/27
Unique Well ID	DST #6, ALTAMONT, 4451-4478	Prepared By	TIM VENTERS
<b>Surface Location</b>	SEC 17-15S-35W, LOGAN CO. KS.		
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #6, ALTAMONT, 4451-4478		
Well Fluid Type	01 Oil		

2015/07/26

2015/07/27

### **Test Recovery:**

**Start Test Date** 

**Final Test Date** 

RECOVERED: 5' CLEAN OIL, 100% OIL, GRAVITY: 30

125' MCO, 74% OIL, 26% MUD

60' G,HOCM, 10% GAS, 44% OIL, 46% MUD

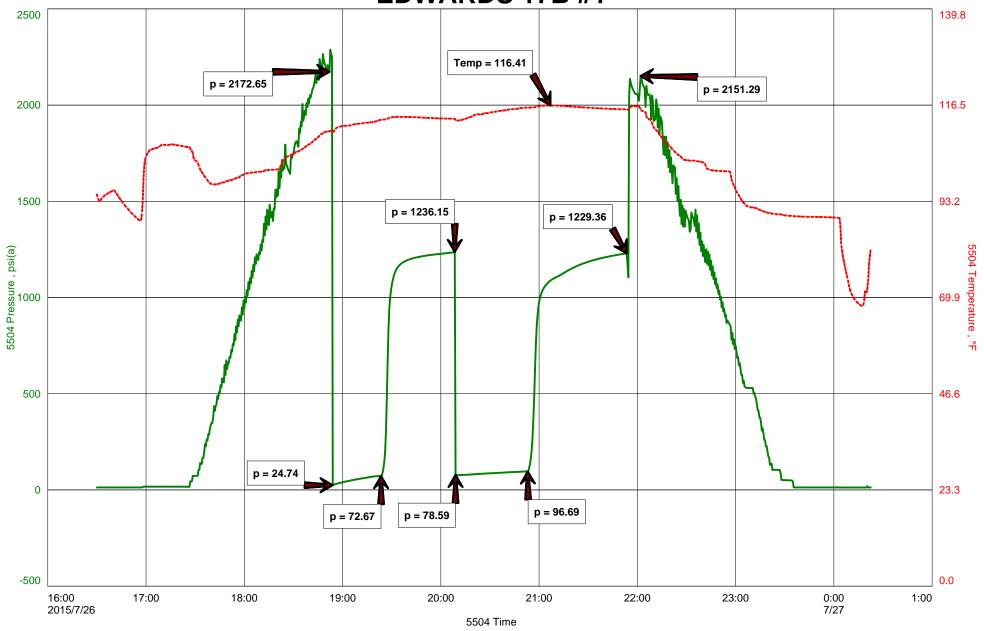
190' TOTAL FLUID

TOOL SAMPLE: 44% OIL, 56% MUD

RITCHIE EXPLORATION, INC. DST #6, ALTAMONT, 4451-4478 Start Test Date: 2015/07/26

Start Test Date: 2015/07/26 Final Test Date: 2015/07/27 EDWARDS 17B #1 Formation: DST #6, ALTAMONT, 4451-4478

Pool: WILDCAT Job Number: T484





## P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET
FILE: EDWARDS17B1DST6

TIME ON: 16:30 7-26-15

TIME OFF: 00;23 7-27-15

Company RITCHIE EXPLORATION, INC.	_Lease & Well No. EDWARDS 17B #1					
	Charge to RITCHIE EXPLORATION, INC.					
500 (50 (50 (50 (50 (50 (50 (50 (50 (50	IT_Effective Pay Ft. Ticket No T484					
Date 7-26-15 Sec. 17 Twp. 15 S R	- Marian Caraca					
Test Approved By MAX LOVELY	TIMOTHY T VENTERS					
	451 ft. to 4478 ft. Total Depth 4478 ft.					
Packer Depth	Packer depthft. Size 6 3/4 in.					
Packer Depth 4451 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.					
Depth of Selective Zone Set						
Top Recorder Depth (Inside) 4432 ft.	Recorder Number					
Bottom Recorder Depth (Outside) 4475 ft.	Recorder Number 11029 Cap. 5,025 P.S.I.					
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.					
Mud Type CHEMICAL Viscosity 67	Drill Collar Length 119 ft. I.D. 2 1/4 in					
Weight 9.2 Water Loss 7.2 cc	. Weight Pipe Lengthift. I.D2 7/8					
Chlorides 9,000 P.P.M.	Drill Pipe Length it. I.D i					
Jars: MakeSTERLINGSerial Number2	Test Tool Lengthi					
Did Well Flow? NO Reversed Out NO	Anchor Lengthft. Size4 1/2-FH					
	Surface Choke Size 1 in. Bottom Choke Size 5/8					
Blow: 1st Open: WEAK SURFACE BLOW, BUILDING	G TO 6 INCHES. (NO BB)					
2nd Open: VERY WEAK SURFACE BLOW, BUILD	DING TO 7 INCHES. (1/4" BB)					
Recovered 5 ft. of CLEAN OIL, 100% OIL, GRAVITY: 30						
Recovered 125 ft. of MCO, 74% OIL, 26% MUD						
Recovered 60 ft. of G,HOCM, 10% GAS, 44% OIL, 46% MUD						
Recovered 190 ft. of TOTAL FLUID						
Recoveredft. of	Price Job					
December of the first						
Recoveredft. of	Other Charges					
Remarks:	Other Charges Insurance					
TOOL SAMPLE: 44% OIL, 56% MUD	Insurance					
Remarks:	Total A.M. 116 dog					
TOOL SAMPLE: 44% OIL, 56% MUD	Insurance  Total  Ottom 9:53 PM A.M. P.M. Maximum Temperature 116 deg.					
TOOL SAMPLE: 44% OIL, 56% MUD  Time Set Packer(s) 6:53 PM A.M. P.M. Time Started Off Bo	Insurance  Total  Ottom 9:53 PM A.M. P.M. Maximum Temperature 116 deg.					
TOOL SAMPLE: 44% OIL, 56% MUD  Time Set Packer(s) 6:53 PM A.M. P.M. Time Started Off Be	Total     Total					
TOOL SAMPLE: 44% OIL, 56% MUD  Time Set Packer(s) 6:53 PM A.M. P.M. Time Started Off Boundard Pressure	Total     Total					
TOOL SAMPLE: 44% OIL, 56% MUD  Time Set Packer(s) 6:53 PM A.M. P.M. Time Started Off Bell Initial Hydrostatic Pressure	Total     Total					

General Information Report

#### **General Information**

Company Name Contact Well Name	RITCHIE EXPLORATION, INC. JUSTIN CLEGG EDWARDS 17B #1	Representative Well Operator	TIM VENTERS RITCHIE EXPLORATION, INC.
		Report Date	2017/07/27
Unique Well ID Surface Location	DST #7, ALTAMONT "B", 4479-4498 SEC 17-15S-35W, LOGAN CO. KS.	Prepared By	TIM VENTERS
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #7, ALTAMONT "B", 4479-4498		
Well Fluid Type	01 Oil		
Start Test Date	2015/07/27	Start Test Time	07:44:00
<b>Final Test Date</b>	2015/07/27	Final Test Time	14:43:00

### **Test Recovery:**

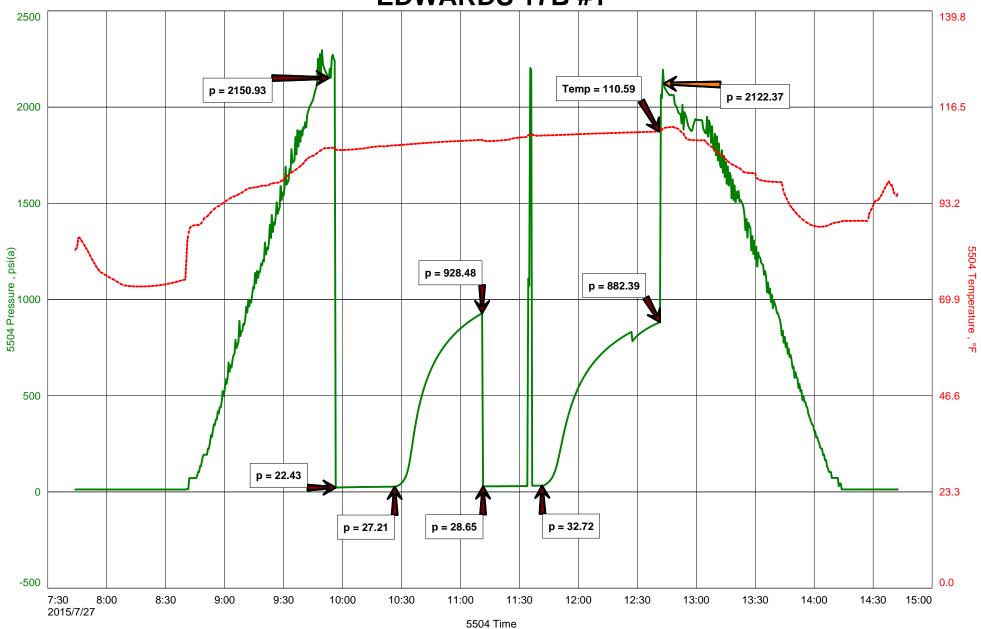
RECOVERED; 10' SOCM, 2% OIL, 98% MUD

TOOL SAMPLE: 5% OIL, 95% MUD

RITCHIE EXPLORATION, INC. DST #7, ALTAMONT "B", 4479-4498

Start Test Date: 2015/07/27 Final Test Date: 2015/07/27 EDWARDS 17B #1
Formation: DST #7, ALTAMONT "B", 4479-4498

Pool: WILDCAT Job Number: T485





## P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

## DRILL-STEM TEST TICKET FILE: EDWARDS17B1DST7

TIME ON: 07:44

TIME OFF: 14:43

Date 7-27-15 Sec. 17 Twp. 15 S Range 35 W County LOGAN State F  Test Approved By MAX LOVELY Diamond Representative TIMOTHY T. VENTERS	
Elevation         3271 KB         Formation         ALTAMONT "B" Effective Pay         Ft. Ticket No.         T4           Date         7-27-15         Sec.         17         Twp.         15 S Range         35 W County         LOGAN         State         K           Test Approved By         MAX LOVELY         Diamond Representative         TIMOTHY T. VENTERS           Formation Test No.         7         Interval Tested from         4479 ft. to         4498 ft. Total Depth         4           Packer Depth         4474 ft. Size         6 3/4         in.         Packer depth         ft. Size         6 3/4	ANSAS
Date         7-27-15         Sec.         17         Twp.         15 S Range         35 W County         LOGAN         State         Mark           Test Approved By         MAX LOVELY         Diamond Representative         TIMOTHY T. VENTERS           Formation Test No.         7         Interval Tested from         4479 ft. to         4498 ft. Total Depth         4           Packer Depth         4474 ft. Size         6 3/4         in.         Packer depth         ft. Size         6 3/4	ANSAS
Test Approved By MAX LOVELY         Diamond Representative         TIMOTHY T. VENTERS           Formation Test No.         7         Interval Tested from         4479 ft. to         4498 ft.         Total Depth         4           Packer Depth         4474 ft. Size         6 3/4         in.         Packer depth         ft. Size         6 3/4	
Formation Test No.         7         Interval Tested from         4479 ft. to         4498 ft. Total Depth         4           Packer Depth         4474 ft. Size         6 3/4         in.         Packer depth         ft. Size         6 3/4	
Formation Test No.         7         Interval Tested from         4479 ft. to         4498 ft. Total Depth         4           Packer Depth         4474 ft. Size         6 3/4         in.         Packer depth         ft. Size         6 3/4	
Packer Depthft. Size6 3/4in. Packer depthft. Size6 3/4	498 ft.
	_ _ in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4467 ft. Recorder Number 5504 Cap 5,000 ft	P.S.I.
Bottom Recorder Depth (Outside) 4495 ft. Recorder Number 11029 Cap. 5,025	P.S.I.
Below Straddle Recorder Depthft. Recorder NumberCap	P.S.I.
Mud Type         CHEMICAL         Viscosity         52         Drill Collar Length         119 ft.         I.D.         2 1/4	in
Weight         9.1         Water Loss         8.0         cc.         Weight Pipe Length         0 ft.         I.D.         2 7/8	ir
Chlorides 8,000 P.P.M. Drill Pipe Length 4334 ft. I.D. 3 1/2	in
Jars: Make STERLING Serial Number Test Tool Length 33 ft. Tool Size 3 1/2-	Fin
Did Well Flow?         NO         Reversed Out         NO         Anchor Length         19 ft.         Size         4 1/2-length	Hir
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size	5/8_ir
Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NO BB)	
<sup>2nd Open:</sup> VERY WEAK SURFACE BLOW, LASTING 11 MIN. (NO BB)	
Recovered 10 ft. of SOCM, 2% OIL, 98% MUD	
Recoveredft. of	
Recovered ft. of	
Recoveredft. of	
Recovered ft. of Recovered ft. of ft. of recovered ft. of ft. of recovered ft. of ft.	
Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Recovered         ft. of	
Recovered         ft. of           Other Charges	
Recovered         ft. of           Other Charges           Remarks:         WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY           WEAK SURFACE BLOW LASTING 1 MIN.           TOOL SAMPLE:         5% OIL, 95% MUD	
Recovered         ft. of           Other Charges           Remarks: WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY           Insurance           WEAK SURFACE BLOW LASTING 1 MIN.           TOOL SAMPLE: 5% OIL, 95% MUD         Total           Time Set Packer(s)         9:56 AM           A.M. P.M.         Time Started Off Bottom         12:26 PM           A.M. P.M.         Maximum Temperature         111	deg.
Recovered ft. of Other Charges Insurance WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY WEAK SURFACE BLOW LASTING 1 MIN. TOOL SAMPLE: 5% OIL, 95% MUD Time Set Packer(s) 9:56 AM A.M. P.M. Time Started Off Bottom 12:26 PM A.M. P.M. Maximum Temperature 117 Initial Hydrostatic Pressure	
Recovered         ft. of           Remarks: WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY           Insurance           WEAK SURFACE BLOW LASTING 1 MIN.           TOOL SAMPLE: 5% OIL, 95% MUD         Total           Time Set Packer(s)         9:56 AM           A.M. P.M.         P.M.           Initial Hydrostatic Pressure         (A)           Initial Flow Period         Minutes           30         (B)           22 P.S.I. to (C)         27 P.S.I.	
Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Remarks:         WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY           Insurance           WEAK SURFACE BLOW LASTING 1 MIN.           TOOL SAMPLE: 5% OIL, 95% MUD         Total           Time Set Packer(s)         9:56 AM         A.M. P.M. Time Started Off Bottom         12:26 PM         A.M. P.M. Maximum Temperature         111           Initial Hydrostatic Pressure         (A)         2151 P.S.I.         22 P.S.I. to (C)         27 P.S. I.           Initial Closed In Period         Minutes         45 (D)         928 P.S.I.         928 P.S.I.	S.I.
Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Remarks: WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY         Insurance           WEAK SURFACE BLOW LASTING 1 MIN.         Total           TOOL SAMPLE: 5% OIL, 95% MUD         Total           Time Set Packer(s)         9:56 AM         A.M. P.M. Maximum Temperature         117           Initial Hydrostatic Pressure         (A)         2151 p.s.t.           Initial Flow Period         Minutes         30 (B)         22 p.s.t. to (C)         27 p.s.           Initial Closed In Period         Minutes         45 (D)         928 p.s.t.           Final Flow Period         Minutes         30 (E)         29 p.s.t. to (F)         33 p.s.	S.I.
Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Recovered         ft. of           Remarks:         WE FLUSHED TOOL 23 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY           Insurance           WEAK SURFACE BLOW LASTING 1 MIN.           TOOL SAMPLE: 5% OIL, 95% MUD         Total           Time Set Packer(s)         9:56 AM         A.M. P.M. Time Started Off Bottom         12:26 PM         A.M. P.M. Maximum Temperature         111           Initial Hydrostatic Pressure         (A)         2151 P.S.I.         22 P.S.I. to (C)         27 P.S. I.           Initial Closed In Period         Minutes         45 (D)         928 P.S.I.         928 P.S.I.	S.I.

General Information Report

#### **General Information**

Company Name Contact	RITCHIE EXPLORATION, INC. JUSTIN CLEGG	Representative Well Operator	TIM VENTERS RITCHIE EXPLORATION, INC.
Well Name	EDWARDS 17B #1	Report Date	2015/07/28
Unique Well ID	DST #8, ALTAMONT "C", 4496-4515	Prepared By	TIM VENTERS
Surface Location	SEC 17-15S-35W, LOGAN CO. KS.	•	
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical	•	
Test Type	CONVENTIONAL		
Formation	DST #8, ALTAMONT "C", 4496-4515		
Well Fluid Type	01 Oil		
Start Test Date	2015/07/27	Start Test Time	21:53:00
Final Test Date	2015/07/28	Final Test Time	05:54:00

#### **Test Recovery:**

RECOVERED: 290' MUD, 100% MUD

125' WCM, 34% WATER, 66% MUD 185' MCW, 76% WATER, 24% MUD 375' SMCW, 93% WATER, 7% MUD

975' TOTAL FLUID

TOOL SAMPLE: SPECS OIL, 98% WATER, 2% MUD

CHLORIDES: 78,000 ppm

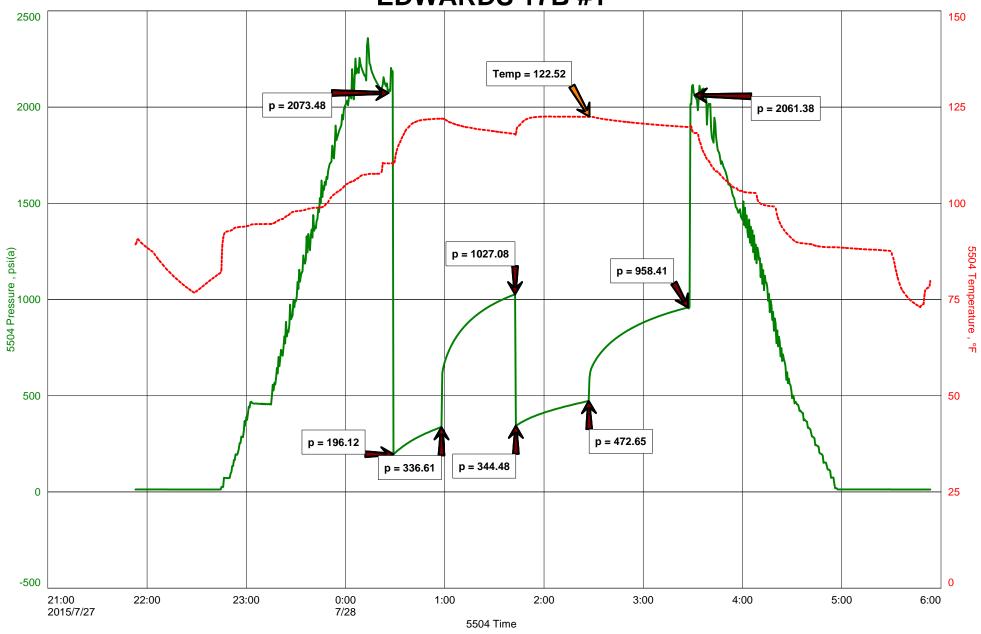
PH: 7.5

RW: .26 @ 74 deg.

RITCHIE EXPLORATION, INC. DST #8, ALTAMONT "C", 4496-4515

Start Test Date: 2015/07/27 Final Test Date: 2015/07/28 EDWARDS 17B #1 Formation: DST #8, ALTAMONT "C", 4496-4515

Pool: WILDCAT Job Number: T486





P.O. Box 157

### HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

FILE: EDWARDS17B1DST8

TIME ON: 21:53 7-27-15

TIME OFF: 05:54 7-28-15

•	<u> </u>
Company_RITCHIE EXPLORATION, INC.	_Lease & Well No. EDWARDS 17B #1
Contractor WW DRILLING, LLC RIG #8	Charge to RITCHIE EXPLORATION, INC.
Elevation3271 KBFormationALTAMONT "	C"_Effective PayFt. Ticket NoT486
Date 7-28-15 Sec. 17 Twp. 15 S F	angeS5 W CountyLOGANState_KANSAS
Test Approved By MAX LOVELY	Diamond Representative TIMOTHY T. VENTERS
	496 ft. to4515 ft. Total Depth4515 ft.
Packer Depth 4491 ft. Size 6 3/4 in.	
Packer Depth 4496 ft. Size6 3/4in.	Packer depthft. Size 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4484 ft.	Recorder Number5504 Cap5,000 P.S.I.
Bottom Recorder Depth (Outside) 4512 ft.	Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.
Mud Type CHEMICAL Viscosity 52	Drill Collar Length 119 ft. I.D. 2 1/4 in
Weight	. Weight Pipe Length 0 ft. I.D. 2 7/8 ir
Chlorides 8,000 P.P.M.	Drill Pipe Length 4351 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number	Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow?NOReversed OutNO	Anchor Lengthift. Size4 1/2-FHir
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: WEAK SURFACE BLOW, BUILDING	G, REACHING BOB 9 MIN. (NO BB)
2nd Open: WEAK SURFACE BLOW, BUILDING,	REACHING BOB 11 MIN. (NO BB)
Recovered 290 ft. of MUD, 100% MUD	
Recovered 125 ft. of WCM, 34% WATER, 66% MUD	
Recovered 185 ft. of MCW, 76% WATER, 24% MUD	
Recovered 375 ft. of SMCW, 93% WATER, 7% MUD	
Recovered 975 ft. of TOTAL FLUID CHLORID	ES: 78,000 ppm Price Job
Recovered ft. of PH: 7.5	Other Charges
Remarks: RW: .26	@ 74 deg. Insurance
WE WERE OPEN WHEN PUTTING ON HEAD JOINT AND I	DIDN'T REALIZE IT.
TOOL SAMPLE: SPECS OIL, 98% WATER, 2% MUD	Total
Time Set Packer(s) 12:27 AM P.M. Time Started Off B	ottom 3:27 AM P.M. Maximum Temperature 123 deg.
Initial Hydrostatic Pressure	2072
	1/_ N
Initial Flow Period	(B) 196 <sub>P.S.I. to (C)</sub> 337 <sub>P.S.I.</sub>
Initial Flow Period         Minutes         30           Initial Closed In Period         Minutes         45	(B) 196 P.S.I. to (C) 337 P.S.I. (D) 1027 P.S.I.
Initial Flow Period.         Minutes         30           Initial Closed In Period.         Minutes         45           Final Flow Period.         Minutes         45	(B) 196 P.S.I. to (C) 337 P.S.I.  (D) 1027 P.S.I.  (E) 344 P.S.I. to (F) 473 P.S.I.
Initial Flow Period         Minutes         30           Initial Closed In Period         Minutes         45	(B) 196 P.S.I. to (C) 337 P.S.I.  (D) 1027 P.S.I.  (E) 344 P.S.I. to (F) 473 P.S.I.  (G) 958 P.S.I.
Initial Flow Period         Minutes         30           Initial Closed In Period         Minutes         45           Final Flow Period         Minutes         45           Final Closed In Period         Minutes         60           Final Hydrostatic Pressure         60	(B) 196 P.S.I. to (C) 337 P.S.I.  (D) 1027 P.S.I.  (E) 344 P.S.I. to (F) 473 P.S.I.  (G) 958 P.S.I.

General Information Report

#### **General Information**

Company Name	RITCHIE EXPLORATION, INC.	Representative	TIM VENTERS
Contact	JUSTIN CLEGG	Well Operator	RITCHIE EXPLORATION, INC.
Well Name	EDWARDS 17B #1	Report Date	2015/07/29
Unique Well ID	DST #9, PAW./MYR./FT. SC.,4525-4611	Prepared By	TIM VENTERS
Surface Location	SEC17-15S-35W, LOGAN CO. KS.		
Field	WILDCAT	Qualified By	MAX LOVELY
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #9, PAW./MYR./FT. SC., 4525-4611		
Well Fluid Type	01 Oil		
Start Test Date	2015/07/29	Start Test Time	00:36:00
Final Test Date	2015/07/29	Final Test Time	07:21:00

#### **Test Recovery:**

**RECOVERED: 120' MUD** 

TOOL SAMPLE: TRACE OIL, 100% MUD

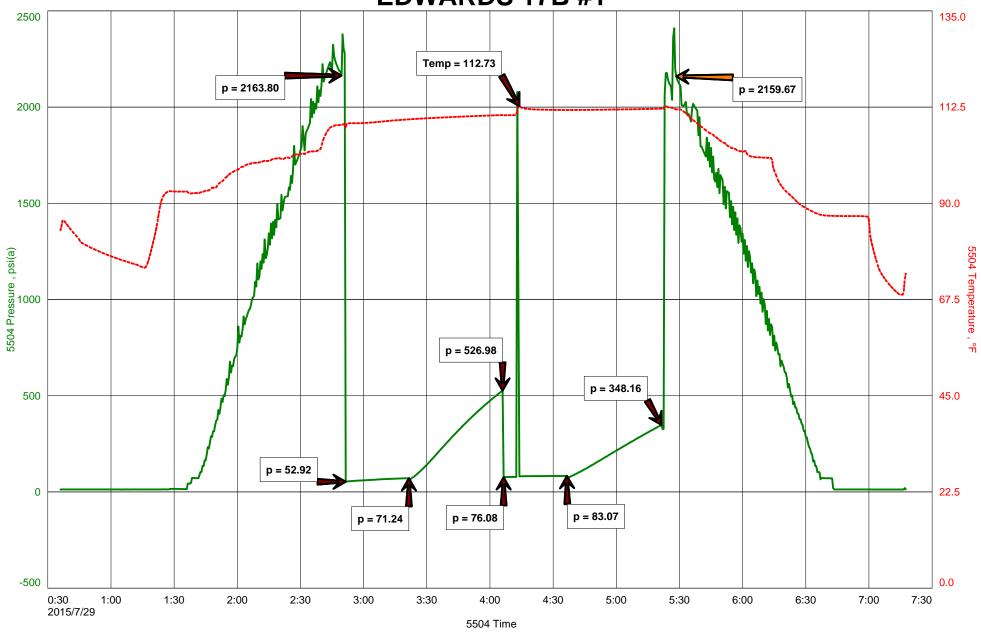
RITCHIE EXPLORATION, INC. DST #9, PAW./MYR./FT. SC.,4525-4611

Start Test Date: 2015/07/29 Final Test Date: 2015/07/29

### **EDWARDS 17B #1** Formation: DST #9, PAW./MYR./FT. SC., 4525-4611 Pool: WILDCAT

Job Number: T487







### DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

**DRILL-STEM TEST TICKET** 

TIME ON: 00:36 TIME OFF: 07:21

## FILE: EDWARDS17B1DST9

Company RITCHIE EXPLORA	TION, INC.		_Lease & Well No. ED	WARDS 17B #1			
Contractor WW DRILLING, LLC R	IG #8		_ Charge to_RITCHIE	EXPLORATION, IN	IC.		
Elevation3271 KB Form	ationPAWN	./MYR./FT.SC	Effective Pay		Ft. Ticket N	loT487	
Date 7-29-15 Sec. 17						State_ KAI	NSAS
Test Approved By MAX LOVELY			Diamond Representativ	reTIMC	OTHY T. VE	NTERS	
Formation Test No. 9							1 ft.
Packer Depth4520 ft	. Size 6 3/4	in.	Packer depth		ft. Size	6 3/4i	n.
Packer Depth4525 ft					ft. Size	6 3/4i	n.
Depth of Selective Zone Set							
Top Recorder Depth (Inside)		4506 ft.	Recorder Number_	5504	Сар	5,000 p.s	i.l.
Bottom Recorder Depth (Outside)		4608 ft.	Recorder Number	11029	Сар	5,025 <sub>P.</sub>	S.I.
Below Straddle Recorder Depth		ft.	Recorder Number				
Mud Type CHEMICAL Viscos			Drill Collar Length	119 ft.	I.D	2 1/4	in.
Weight 9.2 Water Los	9.0		Weight Pipe Length_	0 <sub>ft</sub>	. I.D	2 7/8	in
Chlorides	13,00	00 P.P.M.	Drill Pipe Length				
Jars: Make STERLING Serial N	umber	2	Test Tool Length			3 1/2-IF	
Did Well Flow?NORe	eversed Out	NO	Anchor Length63' DP IN ANCHOR	23 <sub>ft</sub>	Size	4 1/2-FH	in
Main Hole Size 7 7/8 To	ol Joint Sizo 4	1/2 XH in	63' DP IN ANCHOR	1 in	Bottom C	hoke Size 5	/8 in
Main Hole Size 1770 10	OI JOINT SIZE		Odriace Officie Oize_		. Dottom o		
Blow: 1st Open: WEAK SURFA						BB)	
	CE BLOW, E	BUILDING	TO 1/4 INCH.		(NC		
Blow: 1st Open: WEAK SURFA	CE BLOW, E	BUILDING IIN. AFTEI	TO 1/4 INCH. R FLUSH.		(NC	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC   Recovered   125 ft. of MUD, 1009	CE BLOW, E EPT FOR 1 M 6 MUD	BUILDING IIN. AFTEI	TO 1/4 INCH. R FLUSH.		(NC	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC   Recovered   125 ft. of MUD, 1009   Recovered   ft. of	CE BLOW, E EPT FOR 1 M	BUILDING IIN. AFTER	TO 1/4 INCH.		(NC	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC	CE BLOW, EEPT FOR 1 M	BUILDING IIN. AFTEI	TO 1/4 INCH.		(NC	BB)	
1st Open: WEAK SURFA	CE BLOW, E EPT FOR 1 M 6 MUD	BUILDING IIN. AFTER	TO 1/4 INCH.		(NC	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC	CE BLOW, E EPT FOR 1 M 6 MUD	BUILDING IIN. AFTER	TO 1/4 INCH.	Pı	(NO	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC	CE BLOW, EEPT FOR 1 M	BUILDING	TO 1/4 INCH.	Pi O	(NO	BB)	
1st Open: WEAK SURFA	CE BLOW, E EPT FOR 1 M 6 MUD  MIN. INTO FINA	BUILDING  IIN. AFTER	TO 1/4 INCH.	Pi O	(NO	BB)	
1st Open: WEAK SURFA   2nd Open: NO BLOW EXC	CE BLOW, E EPT FOR 1 M 6 MUD  MIN. INTO FINA G ABOUT 1 MIN	BUILDING  IIN. AFTER	TO 1/4 INCH.	Pr O A VERY In	(NO	BB)	
1st Open: WEAK SURFA	MIN. INTO FINA G ABOUT 1 MIN MUD A.M.	BUILDING  IIN. AFTER	TO 1/4 INCH. R FLUSH. ERIOD, AND GOT	Pr O In	(NO (NO	BB)	
Blow: 1st Open: WEAK SURFA 2nd Open: NO BLOW EXC  Recovered 125 ft. of MUD, 1009  Recovered ft. of  Remarks: WE FLUSHED TOOL 7 I  WEAK SURFACE BLOW LASTIN  TOOL SAMPLE: TRACE OIL, 100%	MIN. INTO FINA G ABOUT 1 MIN MUD A.M. P.M. Time 3	BUILDING  IIN. AFTER  AL FLOW PEN.  Started Off Bo	TO 1/4 INCH. R FLUSH.  ERIOD, AND GOT  ttom 5:24 AM	Pr O In	(NO (NO	BB)	
Blow: 1st Open: WEAK SURFA 2nd Open: NO BLOW EXC  Recovered 125 ft. of MUD, 1009  Recovered ft. of  Remarks: WE FLUSHED TOOL 7 I  WEAK SURFACE BLOW LASTIN  TOOL SAMPLE: TRACE OIL, 100%  Time Set Packer(s) 2:54 AM	MIN. INTO FINA G ABOUT 1 MIN MUD A.MP.M. Time :	BUILDING  IIN. AFTER  AL FLOW PEN.  Started Off Bo	TO 1/4 INCH. R FLUSH.  ERIOD, AND GOT  ttom 5:24 AM	PI O In To A.M. P.M. Maxim	(NC) (NO)  rice Job  ther Charges surance  otal	BB)	leg.
Blow: 1st Open: WEAK SURFA 2nd Open: NO BLOW EXC  Recovered 125 ft. of MUD, 1009  Recovered ft. of  Recovered St. of  Recovered 1.00  Recovered 1.00  Remarks: WE FLUSHED TOOL 7  WEAK SURFACE BLOW LASTIN  TOOL SAMPLE: TRACE OIL, 100%  Time Set Packer(s) 2:54 AM  Initial Hydrostatic Pressure	MIN. INTO FINA G ABOUT 1 MIN MUD A.M. P.M. Time :	AL FLOW PEN. Started Off Bo 45	TO 1/4 INCH. R FLUSH.  ERIOD, AND GOT  ttom 5:24 AM (A)	Pr O In To A.M. Maxim 2164 P.S.I.	(NC) (NO)  rice Job  ther Charges surance  otal	D BB) BB)  ture113 c	leg.
Blow: 1st Open: WEAK SURFA 2nd Open: NO BLOW EXC  Recovered 125 ft. of MUD, 1009  Recovered ft. of  Recovered St. of  Recovered 1.00  Remarks: WE FLUSHED TOOL 7  WEAK SURFACE BLOW LASTIN  TOOL SAMPLE: TRACE OIL, 100%  Time Set Packer(s) 2:54 AM  Initial Hydrostatic Pressure	MIN. INTO FINA G ABOUT 1 MIN MUD A.M. P.M. Time :	AL FLOW PEN.  Started Off Bo  45  30	TO 1/4 INCH. R FLUSH.  ERIOD, AND GOT  ttom 5:24 AM (A) (B)	Pr O In To A.M. Maxim 2164 P.S.I. to (C 527 P.S.I. to (F	(NC) (NO)	BB)  BB)	leg.
Blow: 1st Open: WEAK SURFA 2nd Open: NO BLOW EXC Recovered 125 ft. of MUD, 1009 Recovered ft. of Recovered St. of Recovered 1.00 ft. of Recovered 1.00 ft. of Recovered 1.00 ft. of Remarks: WE FLUSHED TOOL 7 ft. of WEAK SURFACE BLOW LASTIN TOOL SAMPLE: TRACE OIL, 100% Time Set Packer(s) 2:54 AM Initial Hydrostatic Pressure	MIN. INTO FINA G ABOUT 1 MIN MUD A.MP.M. Time : Minutes Minutes	AL FLOW PEN. Started Off Bo 45	TO 1/4 INCH.  R FLUSH.  ERIOD, AND GOT  ttom 5:24 AM  (A)(B)(D)(E)(G)	Pr O O In To A.M. Maxim 2164 P.S.I. to (C 527 P.S.I.	(NC) (NO)	D BB) BB)  ture113 c	leg.