

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1167289

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:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from:
Well Name:	feet depth to: w/ sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer Commingled Permit #: Dual Completion Permit #: SWD Permit #: ENHR Permit #: GSW Permit #:	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: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. TwpS. 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
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Page Two



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow and flow rates if gas to Final Radioactivity Lo	ving and shut-in pressu to surface test, along w og, Final Logs run to ob	ormations penetrated. Cures, whether shut-in pre with final chart(s). Attach otain Geophysical Data a or newer AND an image t	essure reached stati extra sheet if more and Final Electric Lo	c level, hydrosta space is needed	tic pressures, bott d.	om hole tempe	erature, fluid recovery,
Drill Stem Tests Take		Yes No	L	og Formatic	on (Top), Depth an	d Datum	Sample
Samples Sent to Geo	ological Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ne				
	Siza Hala	Report all strings set-o	1			# Cooks	Type and Parcent
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 / SQL	IEEZE BECORD			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used	ELECTION ID	Type and P	ercent Additives	
Plug Off Zone							
Does the volume of the		n this well? aulic fracturing treatment ex submitted to the chemical o		? Yes	No (If No, ski	o questions 2 and properties of the properties o	
Shots Per Foot		N RECORD - Bridge Plugotage of Each Interval Perl			cture, Shot, Cement		d Depth
	- Cpany			, ,			23,500
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth		Gas Lift C	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wate	er Bl	bls. G	as-Oil Ratio	Gravity
Vented Sole	ION OF GAS: d Used on Lease shmit ACO-18.)	Open Hole Other (Specify)	METHOD OF COMPLE Perf. Dually (Submit A	Comp. Con	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:

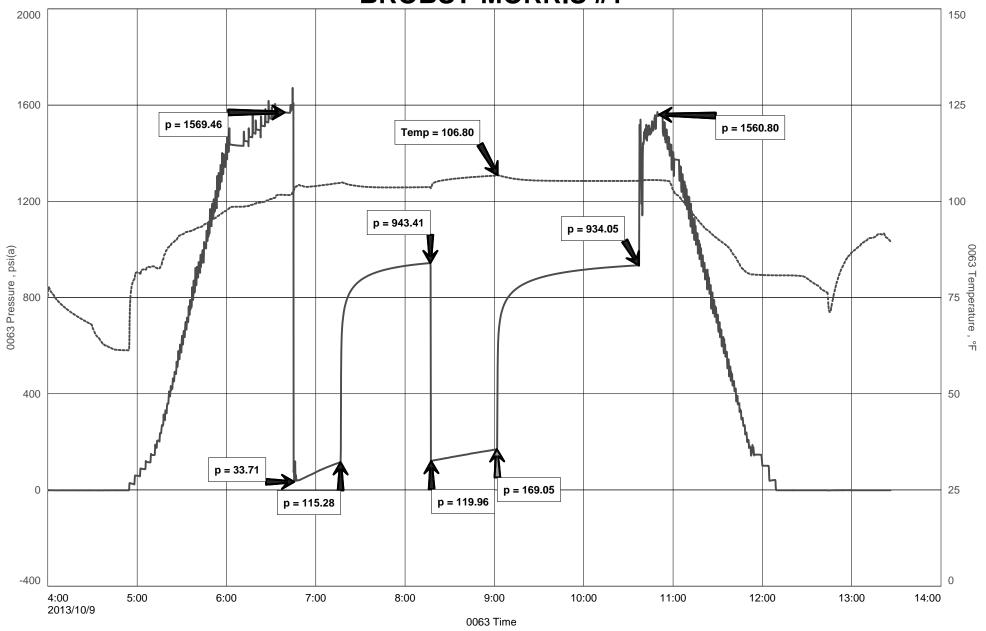
RAYMOND OIL COMPANY DST#1 3243-3260 DEER CREEK Start Test Date: 2013/10/09

Final Test Date: 2013/10/09

BROBST-MORRIS #1 Formation: DST#1 3243-3260 DEER CREEK

Pool: WILDCAT Job Number: M559

BROBST-MORRIS #1



Pressure Survey Report

M559

General Information

Company Name Well Name Unique Well ID Surface Location Field Well Type

RAYMOND OIL COMPANY Job Number BROBST-MORRIS #1 Representative DST#1 3243-3260 DEER CREEK Well Operator RAYMOND OIL COMPANY SEC.12-6S-21W GRAHAM CO.KS. Report Date **WILDCAT** Prepared By

MIKE COCHRAN 2013/10/09 **MIKE COCHRAN Vertical Qualified By PAT BALTHAZOR Test Unit**

Test Information

Test Type CONVENTIONAL **Formation DST#1 3243-3260 DEER CREEK Test Purpose (AEUB) Initial Test**

Start Test Date 2013/10/09 Start Test Time 04:00:00 **Final Test Date** 2013/10/09 Final Test Time 16:25:00 **Well Fluid Type** 01 Oil

0063 **Gauge Name Gauge Serial Number**

Test Results

Remarks RECOVERED:

345' VSOSGMW 1% GAS, 95% WTR, 4% MUD W/ A FEW SPECKS OF OIL 345' TOTAL FLUID

CHLOR: 61,000 PPM PH:7.0

RW: .12 @ 83 DEG

TOOL SAMPLE: 99% WTR, 1% MUD, W/ A FEW SPOTS OF OIL



Final Closed In Period......Minutes

Final Hydrostatic Pressure.....(H)

DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544

(800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 0400

TIME OFF: 1625

	FILE: BRBST	-MRRS1DST1		
Company RAYMOND OIL COMPANY		_Lease & Well No. BROBST-MOR	RRIS #1	
Contractor_H2 RIG2		_ Charge to RAYMOND OIL COM	PANY	
Elevation 2190 GL EST Formation	DEER CREE	K_Effective Pay	Ft. Ticket No	M559
Date 10/9/2013 Sec. 12 Twp.	6 S Ra	ange21 W Count	ySt	ate_ KANSAS
Test Approved By PAT BALTHAZOR		Diamond Representative	MIKE COCHRA	N.
Formation Test No1 Interval Te	ested from 32	243 ft. to 3260 ft.	Total Depth	3260 ft.
Packer Depth3238_ft. Size	6 3/4 in.	Packer depth	NA ft. Size 6 3/	/4 in.
Packer Depth3243 ft. Size	6 3/4 in.	Packer depth	NA ft. Size 6 3/	<u>/4</u> in.
Depth of Selective Zone Set				
Top Recorder Depth (Inside)	3232 _{ft.}	Recorder Number	0063 Cap6	3,000 P.S.I.
Bottom Recorder Depth (Outside)	3257 ft.	Recorder Number	6884_Cap	6,275 P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number	Сар	P.S.I.
Mud Type CHEM Viscosity		Drill Collar Length		2 1/4 in
Weight8.8 Water Loss	5.4cc.	Weight Pipe Length	0 ft. I.D	2 7/8 ir
Chlorides	500 P.P.M.	Drill Pipe Length2	982 _{ft.} I.D	3 1/2 in
Jars: Make STERLING Serial Number	NA	Test Tool Length	25 ft. Tool Size	3 1/2-IF in
Did Well Flow? NO Reversed Ou	ıtNO	Anchor Length	17 _{ft.} Size	4 1/2-FH ir
Main Hole Size 7 7/8 Tool Joint Siz	ze4_1/2_XHin.	Surface Choke Size 1	in. Bottom Chok	e Size_5/8_in
Blow: 1st Open: GSB, BUILT TO 9"		(NO BB)		
2nd Open: VVWSB, INCREASED	TO 9½"	(NO BB)		Л
Recovered 345 ft. of VSOSGMW 1% GAS	5, 95% WTR, 4% MUI	O W/ A FEW SPECKS OF OIL		
Recovered 345 ft. of TOTAL FLUID (10	9' DP, 236' DC)			
Recoveredft. of				
Recoveredft. of CHLOR: 61,000 P	PM			
Recoveredft. of RW: .12 @ 83 DEG	3		Price Job	
Recoveredft. of PH:7.0			Other Charges	
Remarks: TOOL SLID ~10'			Insurance	
TOOL SAMPLE: 99% WTR, 1% MUD, W/ A FE	W SPOTS OF OIL	40.00 A.M. A.M.	Total	
Time Set Packer(s) 6:45 A.M. P.M.	Time Started Off Bo	10:30 A.M. P.M.	Maximum Temperature	107
Initial Hydrostatic Pressure		(A) 1569 P.S		
Initial Flow PeriodMin				15 _{P.S.I.}
Initial Closed In Period	environe.	(D)943 P.S.	I.	
Final Flow PeriodMir	outes 45	(E)120 P.S.	I. to (F)16	69 _{P.S.I.}

(G)

90

934 P.S.I.

1561 _{P.S.I.}

Pressure Survey Report

General Information

Company Name Well Name Unique Well ID Surface Location Field Well Type

RAYMOND OIL COMPANY Job Number BROBST-MORRIS #1 Representative DST#2 3455-3518 LKC B-C-D-E ZONES Well Operator RAYMOND OIL COMPANY SEC.12-6S-21W GRAHAM CO.KS. Report Date

WILDCAT Prepared By Vertical Qualified By **Test Unit**

M560 **MIKE COCHRAN** 2013/10/11 MIKE COCHRAN **PAT BALTHAZOR**

Test Information

Test Type CONVENTIONAL **Formation DST#2 3455-3518 LKC B-C-D-E ZONES Test Purpose (AEUB) Initial Test**

Start Test Date 2013/10/10 Start Test Time 16:10:00 **Final Test Date** 2013/10/11 Final Test Time 01:35:00 **Well Fluid Type** 01 Oil

0063 **Gauge Name**

Gauge Serial Number

Test Results

Remarks RECOVERED:

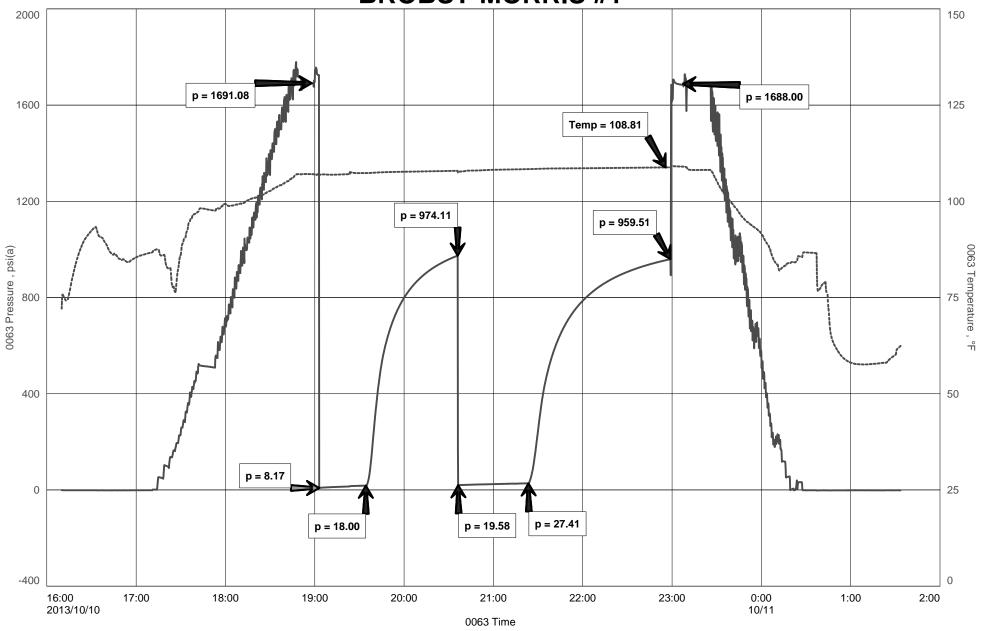
15' DM 100% MUD 15' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ SOME SPOTS OF OIL

Start Test Date: 2013/10/10 Final Test Date: 2013/10/11 BROBST-MORRIS #1 Formation: DST#2 3455-3518 LKC B-C-D-E ZONES

Pool: WILDCAT Job Number: M560

BROBST-MORRIS #1





DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544

(800) 542-7313

DRILL-STEM TEST TICKET FILE: BRBST-MRRS1DST2

TIME ON: 1610 (10/10)

TIME OFF: 0135 (10/11)

Company RAYMOND OIL COMPANY	Lease & Well No. BROBST-MORRIS #1	
	Charge to RAYMOND OIL COMPANY	
		1560
		KANSAS
	Diamond Representative MIKE COCHRAN	
Formation Test No. 2 Interval Tested from		3518 ft.
Packer Depth 3450 ft. Size 6 3/4 in.	Packer depthNA ft. Size_ 6 3/4	 in.
Packer Depth 3455 ft. Size 6 3/4 in.	Packer depth NA ft. Size 6 3/4	; in.
Depth of Selective Zone Set		—
Top Recorder Depth (Inside) 3444 ft.	Recorder Number	P.S.I.
Bottom Recorder Depth (Outside) 3515 ft.		P.S.I.
Below Straddle Recorder Depth ft.	Recorder NumberCap	P.S.I.
Mud Type CHEM Viscosity 57	Drill Collar Length 236 ft. I.D. 2 1/4	
	cc. Weight Pipe Length0 ft. I.D2 7/8	
Chlorides 1,000 P.P.M.	Drill Pipe Length 3194 ft. I.D. 3 1/2	
Jars: Make_ STERLING Serial Number_ NA	Test Tool Length 25 ft. Tool Size 3 1/2	
Did Well Flow? NO Reversed Out NO	Anchor Length 63 ft. Size 4 1/2	-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in	(31' DP) In. Bottom Choke Size 1 in. Bottom Choke Size	5/8 in
Blow: 1st Open: GSB, THEN MAINTAINED A WEAK INTERN		NO BB)
2nd Open: A SURGE OF BUBBLES ON TOOL OF		71
Recovered 15 ft. of DM 100% MUD		
15 to s TOTAL FLUID		
Recovered ft. of		
Recovered ft. of		
Recoveredft. of	Company of the Compan	
Recovered ft. of	Other Charges	
Remarks: FLUSH TOOL @20 MIN INITIAL FLOW, A SURG	E OF BUBBLES, NO HELP Insurance	
TOOL SAMPLE:100% MUD W/ SOME SPOTS OF OIL	Total	
Time Set Packer(s) 7:00 P.M. A.M. P.M. Time Started Off	Bottom 10:45 P.M. P.M. Maximum Temperature	109
Initial Hydrostatic Pressure	(A) 1691 _{P.S.I.}	
Initial Flow Period	(B) 8 P.S.I. to (C) 18 P	S.I.
Initial Closed In Period	(U)F.3.I.	
Final Flow PeriodMinutes45	(E) 20 P.S.I. to (F) 27 P.	S.I.
Final Closed In PeriodMinutes 90	(0)	
Final Hydrostatic Pressure		
Disposed Testing shall get be liable for demands of any kind to the property or personnel of	the one for them a test is made or for any loss suffered as a stained directly as indirectly	Alexander and

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result 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.

Pressure Survey Report

General Information

Company Name Well Name Unique Well ID Surface Location Field Well Type

RAYMOND OIL COMPANY Job Number BROBST-MORRIS #1 Representative DST#3 3498-3556 LKC F&G ZONES Well Operator RAYMOND OIL COMPANY SEC.12-5S-21W GRAHAM CO.KS. Report Date

WILDCAT Prepared By **Vertical Qualified By Test Unit**

M561 **MIKE COCHRAN** 2013/10/11 MIKE COCHRAN **PAT BALTHAZOR**

Test Information

Test Type CONVENTIONAL **Formation DST#3 3498-3556 LKC F&G ZONES Test Purpose (AEUB) Initial Test**

Start Test Date 2013/10/11 Start Test Time 10:00:00 **Final Test Date** 2013/10/11 Final Test Time 17:25:00 **Well Fluid Type** 01 Oil

0063 **Gauge Name**

Gauge Serial Number

Test Results

Remarks RECOVERED:

205' DM 100% MUD 205' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ A (1) SPOT OF OIL

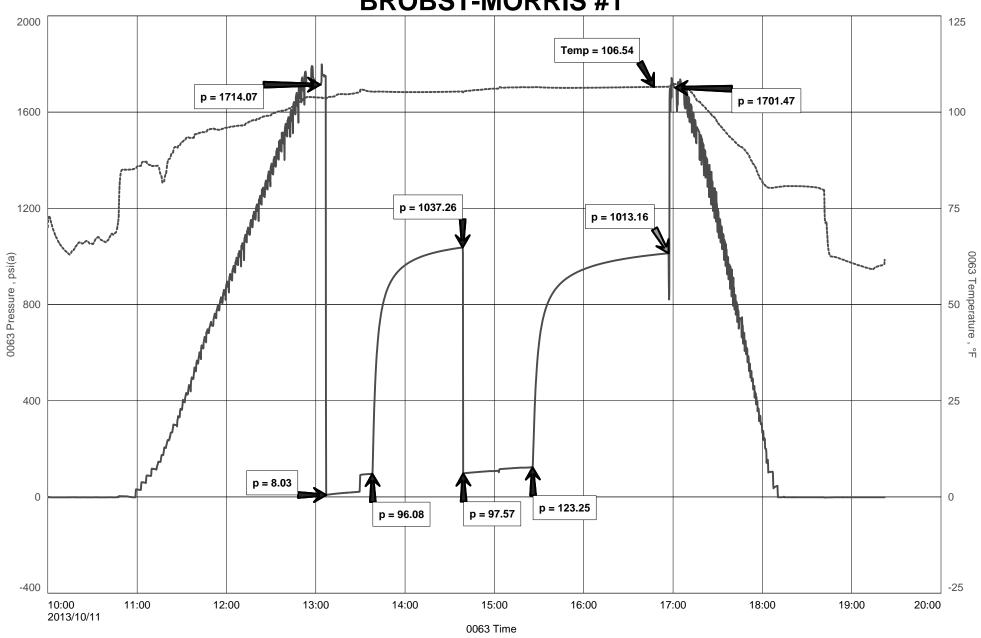
RAYMOND OIL COMPANY DST#3 3498-3556 LKC F&G ZONES

Start Test Date: 2013/10/11 Final Test Date: 2013/10/11

BROBST-MORRIS #1

BROBST-MORRIS #1 Formation: DST#3 3498-3556 LKC F&G ZONES

Pool: WILDCAT Job Number: M561





P.O. Box 157 OISINGTON, KANSAS 6754

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET FILE: BRBST-MRRS1DST3

TIME ON: 10:00

Company Raymond Oil Company, Inc. Lease & Well No. BROBST-MORRIS #1 Contractor H2 RIG2 Charge to RAYMOND OIL COMPANY, INC. LKC F&G ZONES Effective Pay_ 2190 GL EST M561 Elevation Formation Ft. Ticket No. 21 W County_ **GRAHAM** KANSAS Date 10/11/2013 Sec. 6 S Range Twp. State Test Approved By PAT BALTHAZOR MIKE COCHRAN Diamond Representative 3556 ft. Total Depth_ 3498 ft. to Formation Test No. Interval Tested from 3556 ft. 3493 ft. Size 6 3/4 NA ft. Size 6 3/4 Packer depth Packer Depth in. 3498 ft. Size 6 3/4 NA ft. Size 6 3/4 Packer Depth Packer depth Depth of Selective Zone Set 3487 ft 0063 Cap. 6,000 P.S.I. Top Recorder Depth (Inside) Recorder Number 3553 ft. 6,275 P.S.I. 6884 Cap. Bottom Recorder Depth (Outside) Recorder Number Below Straddle Recorder Depth Recorder Number Cap. P.S.I. CHEM 236 ft. I.D. 2 1/4 Mud Type Viscosity Drill Collar Length 5.8 0 ft. I.D. 9.3 cc. Weight Pipe Length 2 7/8 Weight Water Loss 1,000 p.p.M. 3237 ft. I.D. 3 1/2 Chlorides Drill Pipe Length NA STERLING 25 ft. Tool Size 3 1/2-IF Test Tool Length Jars: Make Serial Number NO NO 58 ft. Size 4 1/2-FH Did Well Flow? Reversed Out Anchor Length 31' D.P. Surface Choke Size 4 1/2 XH in 7 7/8 Main Hole Size Tool Joint Size in. Bottom Choke Size 5/8 Blow: 1st Open: WSB, THEN MAINTAINED A WEAK INTERMITTENT SB, SEE REMARKS (NO BB) 2nd Open: NO BLOW THEN AFTER ~17 MIN A WEAK INTERMITTENT SB, SEE REMARKS (NO BB) 205 ft of DM 100% MUD Recovered 205 ft. of TOTAL FLUID Recovered ft. of Recovered ft of FLUSH TOOL @20 MIN INITIAL FLOW, A STRONG 7" SURGE OF BUBBLES Recovered ft. of THEN AN INTERMITTENT BLOW AS BEFORE. Price Job Recovered Other Charges Recovered ft. of Remarks: FLUSH TOOL @22 MIN FINAL FLOW, A 1" SURGE OF BUBBLES(DIFFERENT DRILLER) Insurance THEN AN INTERMITTENT BLOW AS BEFORE. TOOL SAMPLE: 100% MUD W/ A (1) SPOT OF OIL Total A.M. 107°F 1:15 P.M. 5:00 P.M. P.M. Time Started Off Bottom P.M. Maximum Temperature Time Set Packer(s) 1714 P.S.I. Initial Hydrostatic Pressure.....(A) 30 96 P.S.I. 8 P.S.I. to (C) 60 1037 PSI Initial Closed In Period...... Minutes (D) 123 _{P.S.I.} 45 98 P.S.I. to (F) (E) 1013 P.S.L. Final Closed In Period......Minutes 1701 P.S.I. Final Hydrostatic Pressure.....

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result 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.



Final Hydrostatic Pressure....(H)

DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 0840 TIME OFF: 1845

	TEST TICKET F-MRRS1DST4
Company Raymond Oil Company, Inc.	
Contractor H2 RIG2	Charge to RAYMOND OIL COMPANY, INC.
Elevation 2190 GL EST Formation LKC H,I,J,K&L ZONE	S Effective Pay Ft. Ticket No. M562
Date 10/12/2013 Sec. 12 Twp. 6 S R	A MARIE TO THE PROPERTY OF THE
Test Approved By PAT BALTHAZOR	Diamond Representative MIKE COCHRAN
Formation Test No. 4 Interval Tested from 38	541 ft. to 3636 ft. Total Depth 3636 ft.
Packer Depth 3536 ft. Size 6 3/4 in.	Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3633 ft. Size 6 3/4 in.	Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3530_ft.	Recorder Number0063 Cap6,000 P.S.I.
Bottom Recorder Depth (Outside)ft.	Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depthft.	Recorder NumberCapP.S.I.
Mud Type CHEM Viscosity 58	Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc	Weight Pipe Length ft. I.D 2 7/8 in
Chlorides 2,100 P.P.M.	Drill Pipe Length 3280 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number NA	Test Tool Length 25 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO	Anchor Length 95 ft. Size 4 1/2-FH in
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.	31' D.P.PERF.31'DP Surface Choke Size 1 in. Bottom Choke Size 5/8 in
Blow: 1st Open: WSB, INCREASE TO 3/4 THEN AFTE	R ~19 MIN DIMINISHING (NO BB)
^{2nd Open:} NO BLOW THEN AFTER 18 MIN A VER	RY VERY WSB (NO BB)
Recovered 60 ft. of DM 100% MUD	
Recovered60 ft. of TOTAL FLUID	
Recoveredft. of	
Recovered ft. of	
Recoveredft. of	Price Job
Recoveredft. of	Other Charges
Remarks:	Insurance
TOOL SAMPLE: 100% MUD	Total
Time Set Packer(s) 12:30 P.M. A.M. P.M. Time Started Off Bo	
Initial Hydrostatic Pressure	
Initial Flow Period	(B)11 P.S.I. to (C)24 P.S.I.
Initial Closed In Period	(D)840 P.S.I.
Final Flow Period	(E)
Final Closed In PeriodMinutes90	(G)

1701 _{P.S.I.}

Pressure Survey Report

General Information

Company Name Well Name Unique Well ID Surface Location Field Well Type

RAYMOND OIL COMPANY Job Number BROBST-MORRIS #1 Representative DST#4 3541-3636 LKC H,I,J,K&L ZONES Well Operator RAYMOND OIL COMPANY SEC.12-5S-21W GRAHAM CO.KS. Report Date

WILDCAT Prepared By Vertical Qualified By **Test Unit**

M562 **MIKE COCHRAN** 2013/10/12 **MIKE COCHRAN PAT BALTHAZOR**

Test Information

Test Type CONVENTIONAL **Formation DST#4 3541-3636 LKC H,I,J,K&L ZONES Test Purpose (AEUB) Initial Test**

Start Test Date 2013/10/12 Start Test Time 08:40:00 **Final Test Date** 2013/10/12 Final Test Time 18:45:00 **Well Fluid Type** 01 Oil

0063 **Gauge Name Gauge Serial Number**

Test Results

Remarks RECOVERED:

60' DM 100% MUD **60' TOTAL FLUID**

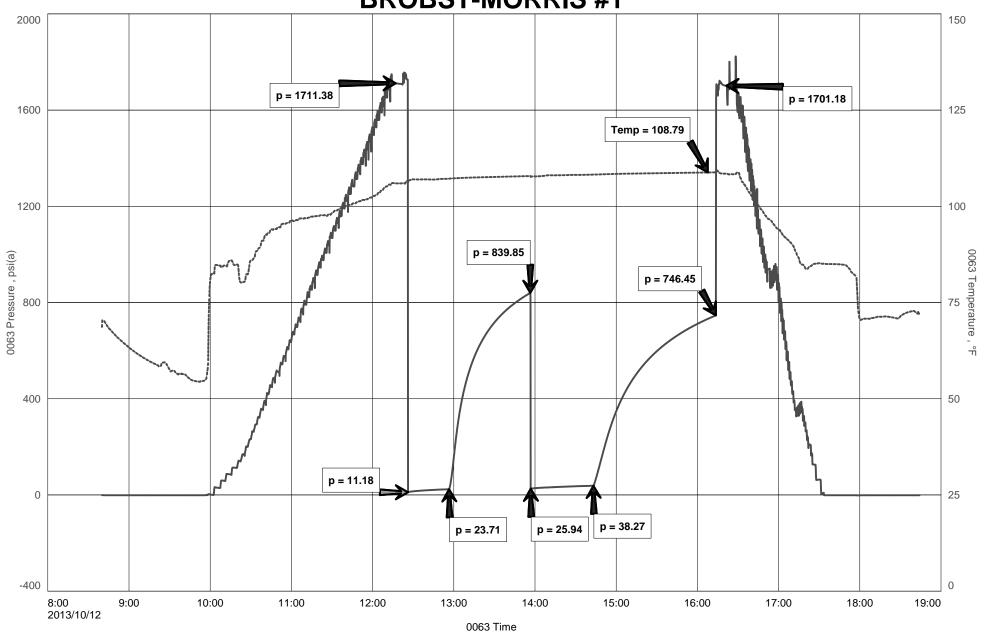
TOOL SAMPLE: 100% MUD

RAYMOND OIL COMPANY DST#4 3541-3636 LKC H,I,J,K&L ZONES

Start Test Date: 2013/10/12 Final Test Date: 2013/10/12 BROBST-MORRIS #1
Formation: DST#4 3541-3636 LKC H,I,J,K&L ZONES

Pool: WILDCAT Job Number: M562

BROBST-MORRIS #1





DIAMOND TESTING P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 0440 TIME OFF: 1510

FILE: BRBST-MRRS1DST5 Company Raymond Oil Company, Inc. Lease & Well No. BROBST-MORRIS #1 Contractor H2 RIG2 Charge to RAYMOND OIL COMPANY, INC. REGAN SAND Effective Pay_ 2190 GL EST M563 Elevation Formation Ft. Ticket No. **GRAHAM** KANSAS Date 10/13/2013 Sec. 6 S Range 21 W County Twp. State Test Approved By PAT BALTHAZOR MIKE COCHRAN Diamond Representative 3686 ft. Total Depth_ 3672 ft. to Formation Test No. Interval Tested from 3686 ft. 3667 ft. Size 6 3/4 NA ft. Size 6 3/4 Packer Depth Packer depth in. 3672 ft. Size 6 3/4 NA ft. Size 6 3/4 Packer Depth Packer depth Depth of Selective Zone Set 3661 ft 0063 Cap. 6,000 P.S.I. Top Recorder Depth (Inside) Recorder Number 6,275 P.S.I. 3683 ft. 6884 Cap. Bottom Recorder Depth (Outside) Recorder Number Below Straddle Recorder Depth Recorder Number Cap. P.S.I. CHEM 236 ft. I.D. Drill Collar Length Mud Type Viscosity 2 1/4 9.3 6.4 0 ft. I.D.___ cc. Weight Pipe Length 2 7/8 Weight Water Loss 1,600 P.P.M. 3411 ft. I.D. 3 1/2 Chlorides Drill Pipe Length NA 25 ft. STERLING Test Tool Length_ Tool Size 3 1/2-IF Serial Number Jars: Make NO YES 14 ft. 4 1/2-FH Did Well Flow? Reversed Out Anchor Length Size 7 7/8 4 1/2 XH in Main Hole Size **Tool Joint Size** Surface Choke Size in. Bottom Choke Size 5/8 Blow: 1st Open: SSB, BOB 42 SEC. (NO BB) 2nd Open: GSB, BOB 3 MIN (NO BB) 2335 ft of SGMW ~1% GAS,98% WTR, ~1% MUD Recovered 2335 ft. of TOTAL FLUID (2099 DP, 236'DC) Recovered ft. of Recovered ft. of CHLOR: 49,000 PPM Recovered ft. of RW: .25 @ 72 DEG Price Job Recovered __{ft. of} PH: 7.5 Other Charges Recovered Remarks: TOOL SLID ~5' Insurance DROPPED BAR @ 2178 TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME GASSY BUBBLES Total A.M. A.M. 116°F 7:00 A.M. 10:30 A.M. P.M. Time Started Off Bottom P.M. Maximum Temperature Time Set Packer(s) 1761 P.S.I. Initial Hydrostatic Pressure.....(A) 30 1012 P.S.I. 310 P.S.I. to (C)_ 1107 P.S.I. 60 Initial Closed In Period...... Minutes (D) 1101_{P.S.I.} 30 1014 P.S.I. to (F) Final Flow Period.......Minutes (E) 1107 P.S.L. Final Closed In Period......Minutes 1748 P.S.I.

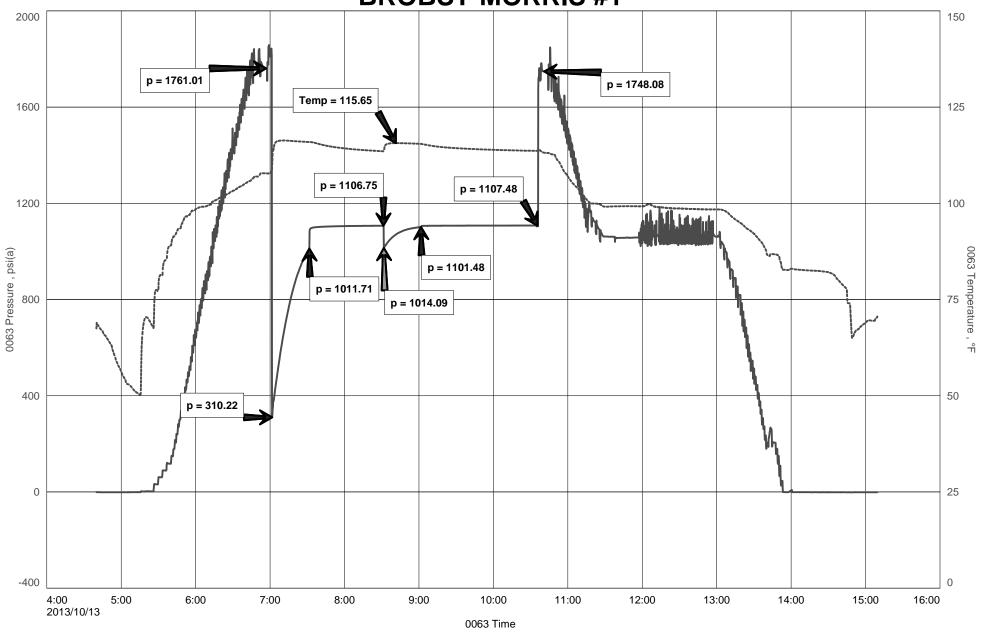
Final Hydrostatic Pressure.....

RAYMOND OIL COMPANY DST#5 3672-3686 REGAN SAND Start Test Date: 2013/10/13

Start Test Date: 2013/10/13 Final Test Date: 2013/10/13 BROBST-MORRIS #1 Formation: DST#5 3672-3686 REGAN SAND

Pool: WILDCAT Job Number: M563

BROBST-MORRIS #1



Pressure Survey Report

General Information

Company Name Well Name Unique Well ID Surface Location Field Well Type

RAYMOND OIL COMPANY Job Number BROBST-MORRIS #1 Representative DST#5 3672-3686 REGAN SAND Well Operator SEC.12-5S-21W GRAHAM CO.KS. Report Date **WILDCAT Prepared By Vertical Qualified By Test Unit**

M563 **MIKE COCHRAN RAYMOND OIL COMPANY** 2013/10/13

Test Information

Test Type CONVENTIONAL **Formation DST#5 3672-3686 REGAN SAND** Test Purpose (AEUB) **Initial Test**

Start Test Date 2013/10/13 Start Test Time 04:40:00 **Final Test Date** 2013/10/13 Final Test Time 15:10:00 **Well Fluid Type** 01 Oil

0063 **Gauge Name Gauge Serial Number**

Test Results

Remarks RECOVERED:

2335' SGMW ~1% GAS,98% WTR, ~1% MUD 2335' TOTAL FLUID

Gauge Name Gauge Serial Number Run Depth (TVD KB) Pressure at Run Depth **Pressure at MPP** Temperature at Run Depth

CHLOR: 49,000 PPM PH:7.0 RW: .25 @ 72 DEG

TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME GASSY BUBBLES

ValidataTM Ver 7.3.0.44 136831 C:\Users\Roger Friedly\Documents\aMIKEDST\BROBST-MORRIS #1\BRBST-MRRS1DST5\BRBST-MRI

MIKE COCHRAN PAT BALTHAZOR

0063

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

November 07, 2013

Robert Turner Raymond Oil Company, Inc. PO BOX 48788 WICHITA, KS 67201-8788

Re: ACO1 API 15-065-23975-00-00 Brobst-Morris 1 SE/4 Sec.12-06S-21W Graham County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Robert Turner

ALLIED OIL & GAS SERVICES, LLC 054800 Federal Tax 1.D.# 20-5975804

TO P.O. BO	OX 31	NSAS 676	65			SERV	Russel	1 Ks
Brobst Mi		10/10 0/0						JOB FINISH
DATE 10-5-13	SEC.	TWP.	RANGE Z/	CA	LLED OUT	ON LOCATION	10B START	2:30.pm
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ORILL PIPE TOOL			PTH PTH	· · ·		_		
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#	DRIVER				HANDLING MILEAGE Y	193,31 +10 42,50 +/m	2.60	1150.50
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ALLIED OIL & GAS SERVICES, LLC 054736

Federal Tax I.D.	
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	A LL 30 PM
E10-14-13 12 65 21 W	LED OUT ON LOCATION JOB START JOB PINISH CQUINTY STATE
SEBRORST WELL # LOCATION BOQUE	KS. 9 N 4 E BRAHAM JANAS
D OK(NEW) Circle one)	211
NTRACTOR 12 DRLG. Rig # 2	OWNER DETUINED DID NOT Plag "ARB"
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DESIZE 77/8 T.D. 3732	AMOUNT ORDERED 200 SX 40 97a Gol
SING SIZE 898 Surface DEPTH 2661 BING SIZE DEPTH	V4 # F10-Seg L
ILL PIPE 4/2 X-H DEPTH 18:30	1-90 000 86
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30 SX @ RAT Hole 1	PUMP TRUCK CHARGE 2600, T/
1.5 Sx @ MouseHole	MILEAGE 50 HU MT @ 770 385,00
THORE'S	MANIFOLD SO I V ME @ 4,40 220,00
	@
	47
CHARGETO: Laymond Vil	TOTAL 3205.47
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CITY STATE ZIP	PLUG & FLOAT EQUIPMENT
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•	
To: Allied Oil & Gas Services, LLC.	@
You are hereby requested to rent cementing equipment	@
and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was	TOTAL 6480
tare to nationarion and supervision of owner agent of	
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TERMS AND CONDITIONS" listed on the reverse side	TOTALCHARODO
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PRINTED NAME STAVES	\$656894
	TIMO W VA.
SIGNATURE Stevens Crown	
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MUD LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Raymond Oil Company, Inc. Brobst-Morris #1

Location: 45's & 75'w of NE-NE-SW-SE Sec.12-6s-21w Graham Co. Ks.

License Number: Region: Wildcat

Spuid Date: October-4-2013 Drilling Completed:

Spud Date: October-4-2013
Surface Coordinates: 45's of NE-NE-SW-SE Sec.12-6s-21w

75'w of NE-NE-SW-SE Sec.12-6s-21w

Bottom Hole 45's of NE-NE-SW-SE Sec.12-6s-21w

Coordinates: 75'w of NE-NE-SW-SE Sec.12-6s-21w

Ground Elevation (ft): 2188' K.B. Elevation (ft): 2200' Logged Interval (ft): 2900' To: 3731' Total Depth (ft): 3731'

Formation: Shawnee, LKC, Arbuckle

Type of Drilling Fluid: Mud-Co/Service Mud: Chemical

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Raymond Oil Company, Inc.

Address: PO BOX 48788

Wichita, Kansas 67201+8788

GEOLOGIST

(785) 216-0694

Name: Pat Balthazor

Company: Geo-Logic

Address: 207 N. Cooper

Plainville, Kansas

67663

Comments

Contractor was H-2 Drilling LLC. Rig #2

8 5/8" Surface was set at 268'.

Bit #1 New HE-21 Jetted with #2 15s & a 14. PP was 800-850 #

No drill time from 3223'-3238'

Geolograph line broke at 3251'

Elevation was lowered 2' when location was built.

Pipe strap at 3260' was 1.5 feet short of board.

Short Kelly Down from 3268-3270

DST #1 "Dear Creek" 3247'-3260' 30-60-45-90 Recovered: 345' VSOSGMW 95% water, 4% mud, 1% gas IFP: 34-115, FFP: 120-169, BHP: 943-934, BHT: 107 Deg.

DST #2 LKC "B-E" zones 3455'-3518' 30-60-45-90

Recovered: 15' Mud

IFP: 8-18, FFP: 20-27, BHP: 974-960, BHT: 109 Deg.

DST #3 LKC "F-G" zones 3498'-3556' 30-60-45-90

Flushed tool on both IF and FF with intermittent surface blow.

Recovered: 205' drlg. mud with oil specks.

IFP: 8-96, FFP: 98-123, BHP: 1037-1013, BHT: 107 deg.

DST #4 LKC "H-I-J-K-L" zones 3541'-3636' 30-60-45-90

Recovered:60' of drilling mud.

IFP: 11-24, FFP: 26-38, BHP: 840-746, BHT: 109 deg.

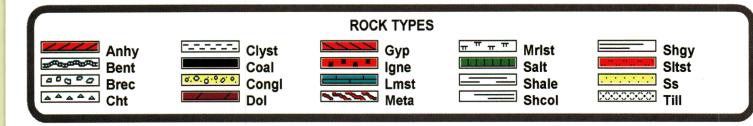
DST #5 3672'-3683' 30-60-30-90

Recovered: 2335' SGMW. 1% gas, 98% water, 1% mud. IFP:310-1012, FFP:1014-1101, BHP:1107-1107, BHT:116 deg.

Formations

Sec. 12-6s-21w Sec. 13-6s-21w **Sample Tops Log Tops Log Tops** 1815 (+385) Anhy. 1814 (+957) 1813 (+ 1858) **Howard** 3157 (-957) 3155 (-955) 3147 (-953) **Topeka** 3196 (-996) 3197) (-996) 3185 (-990) Deer Cr. 3247 (-1047) 3246 (-1046) 3240 (-1045) 3314 (- 1114) 3307 (-1112) Lac 3347 (-1117) Heebner 3400 (-1100) 3388 (-1193) 3398 (1198) **LKC** 3438 (-1238) 3442 (-1242) 3447 (-1247) **BKC** 3581 (-1381) 3481 (-1381) 3618 (-1483) Marmaton 3666 (-1466) 3665 (-1465) None **Arbuckle** None 3663 (-1468) None **GW** 3704 (-1504) None None **Granite** 3718 (-1518) 3718 (-1508) NA TD 3731 (-1531) 3732 (-1532) 3711 (-1516)

LKC BKC Arbuckle



ACCESSORIES • MINERAL ☑ Anhy ☑ Argg FOSSIL Alg Θ **Sitstrg** Ostra Gyp \triangle **Ssstrg** Anhy Hvymin **Algae Pelec** K = ø **Pellet** Kaol **Amph** Arggrn п P • Marl Belm **Pisolite TEXTURE** Arg В * \Box Ø **Boundst** Minxl **Bioclst Plant Bent**

