

Confidentiality Requested:

☒ Yes ☐ NoKANSAS 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 # 33306

Name: Blake Exploration, LLC

Address 1: 201 S MAIN

Address 2: PO BOX 150

City: BOGUE State: KS Zip: 67625 + 0150

Contact Person: Mike Davignon

Phone: (785) 341-8804

CONTRACTOR: License # 31548

Name: Discovery Drilling

Wellsite Geologist: Mike Davignon

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 #:

06/25/2024 07/02/2024 07/12/2024

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

API No.: 15-065-24316-00-00

Spot Description:

N2 - S2 - NW-NE Sec. 12 Twp. 7 S. R. 21 ☐ East ☒ West800 Feet from ☒ North / ☐ South Line of Section3300 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☒ NW ☐ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Graham

Lease Name: ROBERTS Well #: 2

Field Name:

Producing Formation: LKC

Elevation: Ground: 2112 Kelly Bushing: 2120

Total Vertical Depth: 3620 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 222 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set: 1690 Feet

If Alternate II completion, cement circulated from: 1690

feet depth to: 0 w/ 305 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 1000 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

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: 11/12/2024

☐ Confidential Release Date:☒ Wireline Log Received ☐ Drill Stem Tests Received☐ Geologist Report / Mud Logs Received☐ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: Kelsey Cox Date: 12/05/2024

Operator Name: Blake Exploration, LLC Lease Name: ROBERTS Well #: 2
 Sec. 12 Twp. 7 S. R. 21 ☐ East ☒ West County: Graham

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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☒ No Cores Taken ☐ Yes ☒ No Electric Log Run ☒ Yes ☐ No Geologist Report / Mud Logs ☐ Yes ☒ No List All E. Logs Run: Attached	☒ Log Formation (Top), Depth and Datum ☐ Sample <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1664</td> <td>+456</td> </tr> <tr> <td>Heebner</td> <td>3304</td> <td>-1184</td> </tr> <tr> <td>BKC</td> <td>3532</td> <td>-1412</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1664	+456	Heebner	3304	-1184	BKC	3532	-1412
Name	Top	Datum											
Anhydrite	1664	+456											
Heebner	3304	-1184											
BKC	3532	-1412											

CASING RECORD ☐ New ☒ 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
Surface	12.25	8.635	20	222	com	100	3%CC
Production	8.635	4.5	11.5	3615	com	100	5%gil

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate	0-1690	QMDC	305	
☒ Protect Casing				
☐ Plug Back TD				
☐ 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: <u>08/01/2024</u>	Producing Method: ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	25			

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom <u>3468</u> <u>3532</u>
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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>
4	3528	3532			
4	3518	3522			
4	3503	3507			
4	3488	3492			
4	3468	3472			
TUBING RECORD: Size: <u>2.375</u> Set At: <u>3520</u> Packer At: <u> </u>					

Form	ACO1 - Well Completion
Operator	Blake Exploration, LLC
Well Name	ROBERTS 2
Doc ID	1802781

All Electric Logs Run

R/A Guard
Dual Density
Micro
Dual Induction

Form	ACO1 - Well Completion
Operator	Blake Exploration, LLC
Well Name	ROBERTS 2
Doc ID	1802781

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.635	20	222	com	100	3%CC
Production	8.635	4.5	11.5	3615	com	100	5%gil

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4097

Cell 785-324-1041

Date <u>6-24-24</u>	Sec. <u>12</u>	Twp. <u>7</u>	Range <u>21</u>	County <u>Graham</u>	State <u>KS</u>	On Location	Finish <u>2:00 PM</u>
				Location <u>Nicodanus SW 1/4</u>			

Lease <u>Roberts</u>	Well No. <u>2</u>	Owner
Contractor <u>Discovery</u>		To Quality Oilwell Cementing, Inc.
Type Job <u>SURFACE</u>		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 <u>12 1/4</u>	T.D. <u>222</u>	Charge To <u>BLAKE Expl.</u>
Csg. <u>8 3/4</u>	Depth	Street
Tbg. Size	Depth	City
Tool	Depth	State
Cement Left in Csg. <u>15</u>	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace <u>13.1</u>	Cement Amount Ordered <u>17004 80/20 3-2</u>

EQUIPMENT			
Pumptrk <u>16</u>	No.	Cementer	Common <u>145/35</u>
		Helper	Poz. Mix <u>35</u>
Bulktrk	No.	Driver	Gel. <u>3</u>
Bulktrk <u>9</u>	No.	Driver	Calcium <u>7</u>
		Driver	

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
<u>Set c 221</u>	Sand
<u>Cement 17004</u>	Handling <u>180</u>
<u>pump plug w/ 13.1 bbls</u>	Mileage
<u>Cement Did Cure</u>	

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge <u>Surface</u>
Mileage <u>50</u>

X Signature <u>Ryan Joseph</u>	Tax
	Discount
	Total Charge

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4153

Cell 785-324-1041

Date	7-2-24	Sec.	12	Twp.	7	Range	21	County	Graham	State	Ks	On Location		Finish	
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Location Nicodemis SN 1E

Lease	ROBERTS	Well No.	2	Owner	
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Contractor	Discovery 4	To Quality Oilwell Cementing, Inc.
Type Job	TOP STAGE	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	7 7/8	Charge To	Blake Expl. LLC
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Csg.	4 1/2	T.D.		Street	
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Tbg. Size		Depth		City	State
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
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Cement Left in Csg.		Shoe Joint	26.19	Cement Amount Ordered	
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Meas Line		Displace	26.19	Common	350 Qm PC 1/4" F10
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EQUIPMENT

Pumptrk	17	No.		Cementer	Bill	
				Helper		
Bulktrk	9	No.		Driver	NICK	
				Driver		
Bulktrk	21	No.		Driver	Bryant	
				Driver	Corey	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	30	Salt	
Mouse Hole	15	Flowseal	100#
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar	1690	CFL-117 or CD110 CAF 38	
		Sand	
D.V.C 1690	1400# open Tool	Handling	350
CIRC 30 mins		Mileage	

FLOAT EQUIPMENT

Cement 4 3054		Guide Shoe	
pump plug w 26.19 blls		Centralizer	
Cemt did C.I.R.		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge	prod string Top stage
Mileage	50

Signature		Tax	
		Discount	
		Total Charge	

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4152

Cell 785-324-1041

Date	7-2-24	Sec.	12	Twp.	7	Range	21	County	Graham K's	State		On Location		Finish	
								Location	Nicomemis SN 1 E						
Lease	Roberts			Well No.	2		Owner								
Contractor	Discovery			To Quality Oilwell Cementing, Inc.											
Type Job	Long String			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	7 7/8			T.D.	3623		Charge To								
Csg.	4 1/2			Depth			BLAKE Expl. LLC								
Tbg. Size				Depth			Street								
Tool				Depth			City								
Cement Left in Csg.	21.67			Shoe Joint	21.67		State								
Meas Line				Displace	55 3/4		The above was done to satisfaction and supervision of owner agent or contractor.								
EQUIPMENT							Cement Amount Ordered								
Pumptrk	17	No.		Cement	Bill		500 gal Flush								
Bulktrk	9	No.		Helper	Nick		100% Com 10% Salt Sol.								
Bulktrk	21	No.		Driver	Brent		Common 100								
JOB SERVICES & REMARKS							Poz. Mix								
Remarks:							Gel.								
Rat Hole							Calcium								
30							Hulls								
Mouse Hole							Salt 11								
15							Flowseal 100#								
Centralizers							Kol-Seal 500#								
Baskets							Mud CLR 48								
D/V or Port Collar							CFL-117 or CD110 CAF 38								
Pipe set e							Sand								
Shoe Jt 21.67							Handling 116								
Insert e							Mileage								
pump 500 gal Flush							FLOAT EQUIPMENT								
Cement 100%							Guide Shoe								
pump plug w/ 55 3/4							Centralizer 5								
Land plug e 1500 #							Baskets 4								
							AFU Inserts								
							Float Shoe -1								
							Latch Down -1								
							DU - 1								
							Pumptrk Charge								
							prod. string Bottom Stage								
							Mileage 50								
							Tax								
							Discount								
							Total Charge								

X Signature

Thanks



Blake Exploratory Inc

201 Main St PO Box 150
Bogue KS 67625

Job Ticket: 72021

DST#: 1

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 03:25:01

Formation:

Oread

Deviated:	No	Whipstock:	ft (KB)
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Time Tool Opened: 05:52:30

Time Test Ended: 09:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora / Brad

Unit No: 66

Interval: 3250.00 ft (KB) To 3270.00 ft (KB) (TVD)

Total Depth: 3270.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good

Reference Elevations: 2122.00 ft (KB)

2116.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8355

Inside

Press@RunDepth: 624.73 psig @ 3256.00 ft (KB)

Start Date:	2024.06.28
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Start Time: 03:25:01

End Time:

2024.06.28

Capacity:

8000.00 psia

Last Calib.:

1899 12 30

Time On Btm:

2024 06 28 @ 05:50:30

Time Off Btm:

2024 06 28 @ 07:58:30

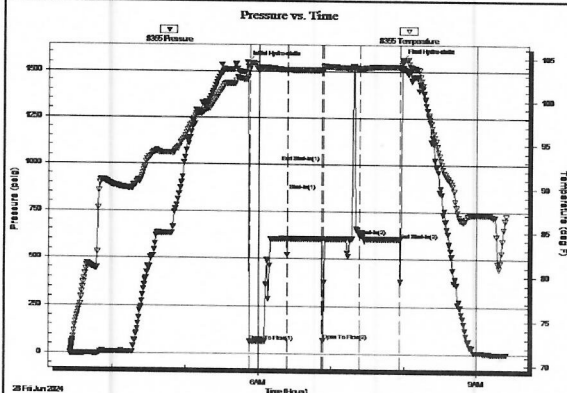
TEST COMMENT:

30-IF: Weak blow up to 4" then fell back to 2"

30-ISI: No Returns

30-FF: No blow

30-FSI: No Returns



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.58	102.54	Initial Hydro-static
2	65.12	103.68	Open To Flow (1)
33	521.22	103.69	Shut-In(1)
62	604.24	103.63	End Shut-In(1)
63	74.47	103.66	Open To Flow (2)
93	624.73	103.84	Shut-In(2)
126	604.45	104.03	End Shut-In(2)
128	1565.60	104.56	Final Hydro-static

Length (ft)	Description	Volume (bbl)
95.00	MUD 100%M	1.06

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 72021

Printed: 2024.06.28 @ 09:49:51

[illegible]



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploratory Inc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72021

DST#: 1

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 03:25:01

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 45.32 bbl	Tool Chased 30.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3250.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Attempted to flushed tool twice on FF

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3223.00	
Shut In Tool	5.00			3228.00	
Hydraulic tool	5.00			3233.00	
EM	4.00			3237.00	
Safety Joint	3.00			3240.00	
Packer	5.00			3245.00	28.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Stubb	1.00			3251.00	
Handling Sub	5.00			3256.00	
Recorder	0.00	8355	Inside	3256.00	
Recorder	0.00	8289	Outside	3256.00	
Perforations	11.00			3267.00	
Bullnose	3.00			3270.00	20.00 Bottom Packers & Anchor
Total Tool Length:		48.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploratory Inc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72021

DST#: 1

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 03:25:01

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:	ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	MUD 100%M	1.059

Total Length:	95.00 ft	Total Volume:	1.059 bbl	
Num Fluid Samples:	0	Num Gas Bombs:	0	Serial #:
Laboratory Name:		Laboratory Location:		
Recovery Comments:				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploratory Inc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72021

DST#: 1

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 03:25:01

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

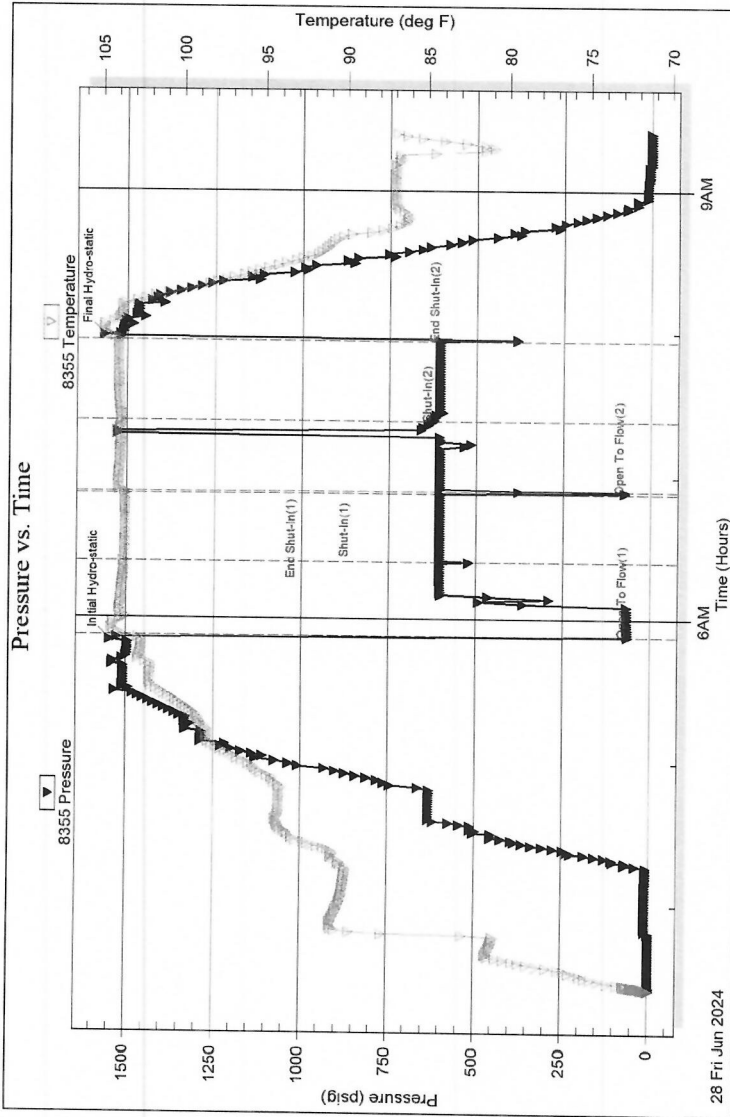
DST Test Number: 1

Robert 2

Blake Exploration LLC

Inside

Serial #: 8355



Ref No: 72021

Trilobite Testing, Inc

Printed: 2024.06.28 @ 09:45:52



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration llc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72022

DST#: 2

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 15:10:00

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	79000.00 lb
		Total Volume:	45.32 bbl	Tool Chased	12.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3250.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3223.00	
Shut In Tool	5.00			3228.00	
Hydraulic tool	5.00			3233.00	
EM	4.00			3237.00	
Safety Joint	3.00			3240.00	
Packer	5.00			3245.00	28.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Stubb	1.00			3251.00	
HS	5.00			3256.00	
Recorder	0.00	8355	Inside	3256.00	
Recorder	0.00	8289	Outside	3256.00	
Perforations	31.00			3287.00	
Bullnose	3.00			3290.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72022

DST#: 2

ATTN: Michael Davignon

Test Start: 2024.06.28 @ 15:10:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
111.00	OSM 1%O 99%M	1.284
126.00	MW 20%M 80%W	1.767
33.00	WM 50%W 50%M	0.463
30.00	MUD 100%M	0.421

Total Length: 300.00 ft

Total Volume: 3.935 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72022

DST#: 2

ATTN: Michael Davignon

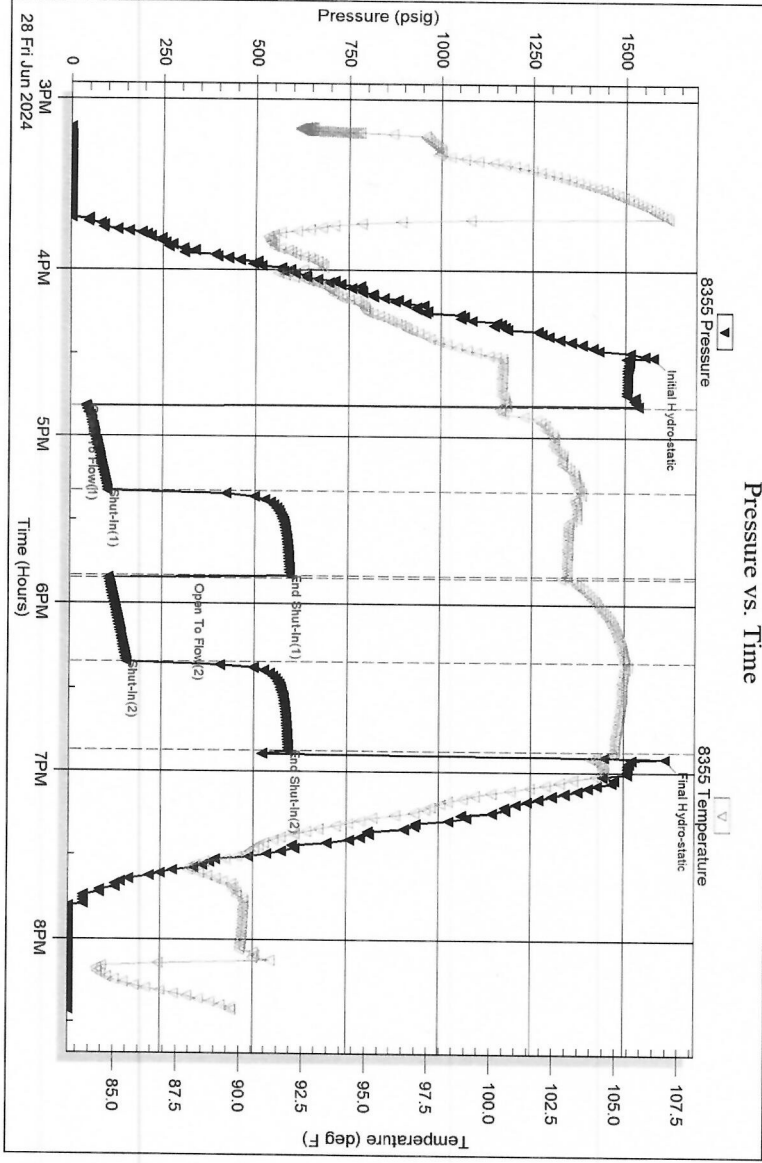
Test Start: 2024.06.28 @ 15:10:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72023

DST#: 3

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 06:15:00

Tool Information

Drill Pipe:	Length: 3252.00 ft	Diameter: 3.80 inches	Volume: 45.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 45.77 bbl	Tool Chased 6.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3305.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3278.00	
Shut In Tool	5.00		3283.00	
Hydraulic tool	5.00		3288.00	
EM	4.00		3292.00	
Safety Joint	3.00		3295.00	
Packer	5.00		3300.00	28.00 Bottom Of Top Packer
Packer	5.00		3305.00	
Stubb	1.00		3306.00	
Perforations	3.00		3309.00	
Change Over Sub	1.00		3310.00	
Drill Pipe	31.00		3341.00	
Change Over Sub	1.00		3342.00	
Handling Sub	5.00		3347.00	
Recorder	0.00	8355 Inside	3347.00	
Recorder	0.00	8289 Outside	3347.00	
Perforations	10.00		3357.00	
Bullnose	3.00		3360.00	55.00 Bottom Packers & Anchor
Total Tool Length:		83.00		



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration llc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72023

DST#: 3

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 06:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.60 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SGOCM 15%G 25%O 60%M	0.288
60.00	GOCM 10%G15%O 75%M	0.842
60.00	SGOCM 10%G 40%O 50%M	0.842

Total Length: 160.00 ft

Total Volume: 1.972 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72023

DST#: 3

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 06:15:00

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	0.13	3.35	6.64
2	10	0.13	2.78	6.43

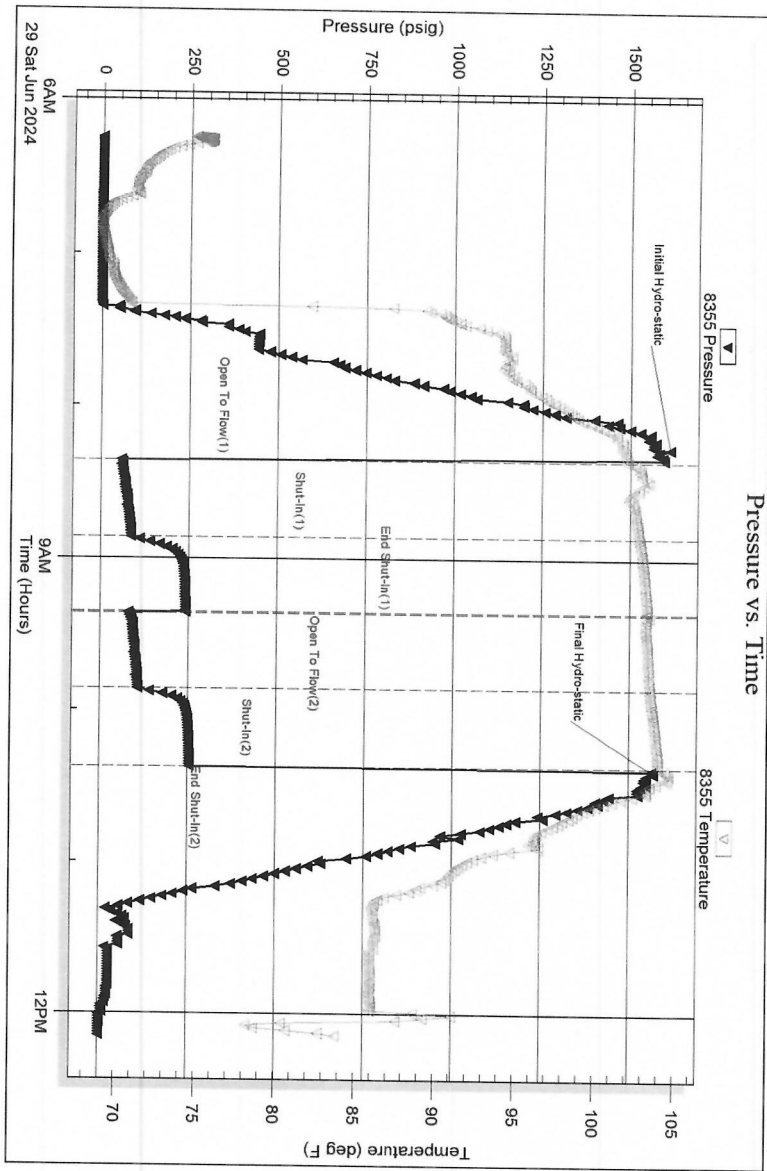
Serial #: 8355

Inside

Blake Exploration Inc

Robert 2

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 72023

Printed: 2024.06.29 @ 12:39:47



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration llc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72024

DST#: 4

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 19:22:00

Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer:	23000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	76000.00 lb
			Total Volume: 46.64 bbl	Tool Chased	5.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3365.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	54.00 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			3337.00	
Shut In Tool	5.00			3342.00	
Hydraulic tool	6.00			3348.00	
EM	4.00			3352.00	
Safety Joint	3.00			3355.00	
Packer	5.00			3360.00	29.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Stubb	1.00			3366.00	
Handling Sub	5.00			3371.00	
Recorder	0.00	8355	Inside	3371.00	
Recorder	0.00	8289	Outside	3371.00	
Perforations	16.00			3387.00	
Recorder	3.00			3390.00	25.00 Bottom Packers & Anchor
Total Tool Length:		54.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72024

DST#: 4

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 19:22:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
54.00	HOCWM 80%O 5%W 15%M	0.484
63.00	GOCWM 10%G 5%O 10%W 75%M	0.884
63.00	WM 25%W 75%M	0.884
189.00	MW 95%W 5%M	2.651

Total Length: 369.00 ft

Total Volume: 4.903 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 70' of GIP



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72024

DST#: 4

ATTN: Michael Davignon

Test Start: 2024.06.29 @ 19:22:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

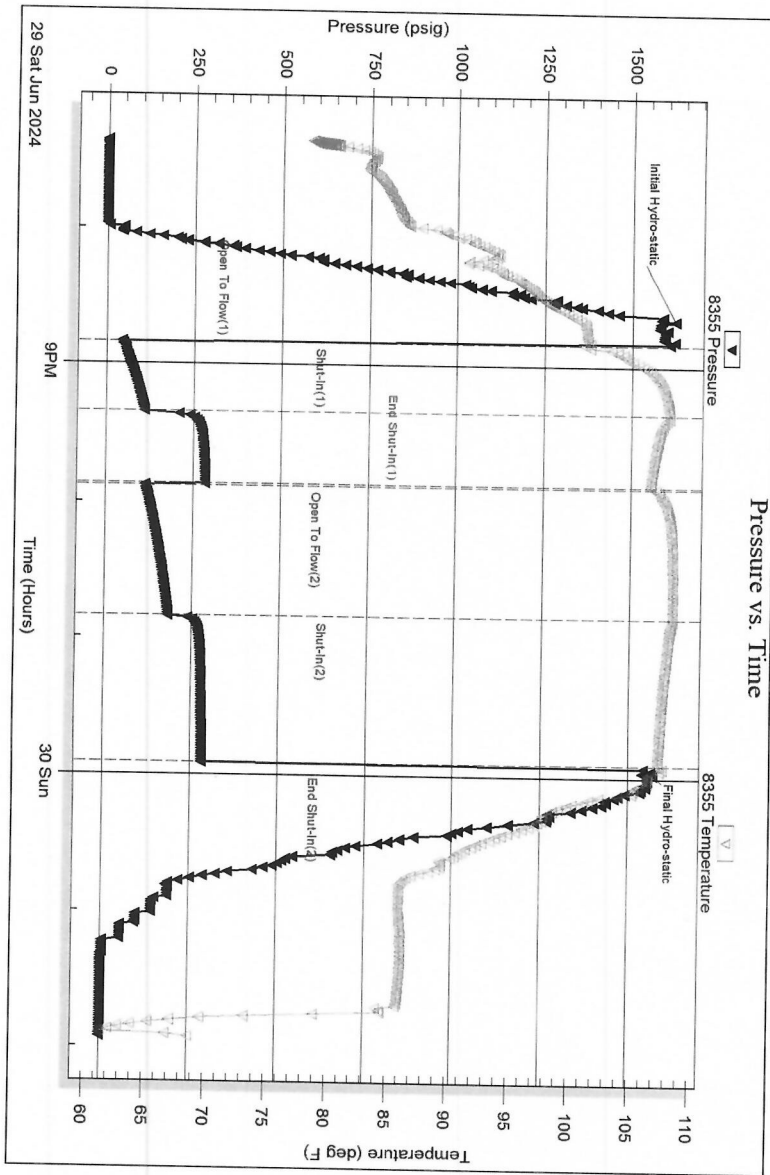
Serial #: 8355

Inside

Blake Exploration Inc

Robert 2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 72024

Printed: 2024 05 30 @ 03:02:38



Blake Exploration Ilc

12-7S-21W/ Graham

Robert 2

DST#: 5

Test Start: 2024.06.30 @ 10:04:00

Formation: 3425

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora / Brad

Unit No: 66

Reference Elevations: 2122.00 ft (KB)

2116.00 ft (CF)

KB to GR/CF: 6.00 ft

Inside

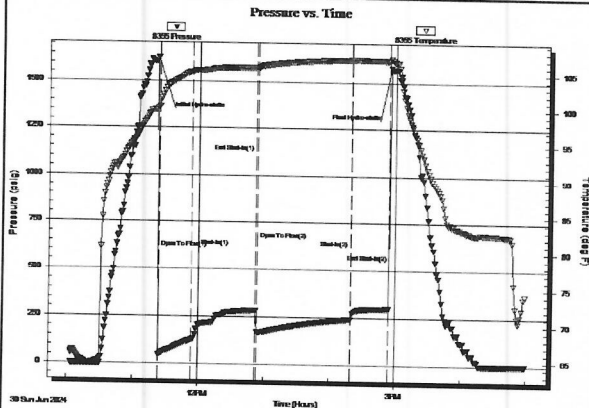
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2024.06.30 @ 11:22:30

Time Off Btm: 2024.06.30 @ 14:55:30

TEST COMMENT: 30-IF: Strong Blow BOB in 7 minutes GTS in 30 minutes reached 63"
30-IS: Fair blow BOB in 20 minutes built to 22"
90-FF: BOB Immediate GTS Blow built to 55"
30-FS: Weak returns in one mintute built to 2.5"



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.63	100.14	Initial Hydro-static
2	47.18	100.35	Open To Flow (1)
32	128.06	105.29	Shut-In(1)
90	283.88	105.89	End Shut-In(1)
92	169.02	105.89	Open To Flow (2)
177	243.29	107.08	Shut-In(2)
212	299.72	106.94	End Shut-In(2)
213	1581.57	107.27	Final Hydro-static

Length (ft)	Description	Volume (bbl)
30.00	CO 99%O 1%M	0.15
252.00	CGO 19%G 80%O 1%M	3.53
126.00	SGO 1%G 99%O	1.77
33.00	GOCM 35%G 25%O 40%M	0.46
95.00	GOCWM 10%G 15%O 25%W 60%	1.33
64.00	GOCWM 10%G 10%O 5%W 75%M	0.90

* Recovery from multiple tests

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 72025

Printed: 2024.06.30 @ 18:14:31

	Recovery Table	
Length	Recovery Table	Volume
Length	Recovery Table	Volume
Length	Recovery Table	Volume
Length	Recovery Table	Volume
Length	Description	Volume



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72025

DST#: 5

ATTN: Michael Davignon

Test Start: 2024.06.30 @ 10:04:00

Tool Information

Drill Pipe:	Length: 3346.00 ft	Diameter: 3.80 inches	Volume: 46.94 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 77000.00 lb
			Total Volume: 47.09 bbl	Tool Chased 6.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3390.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3363.00	
Shut In Tool	5.00			3368.00	
Hydraulic tool	5.00			3373.00	
EM	4.00			3377.00	
Safety Joint	3.00			3380.00	
Packer	5.00			3385.00	28.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Perforations	1.00			3392.00	
Handling Sub	5.00			3397.00	
Recorder	0.00	8355	Inside	3397.00	
Recorder	0.00	8289	Outside	3397.00	
Perforations	25.00			3422.00	
Bullnose	3.00			3425.00	35.00 Bottom Packers & Anchor
Total Tool Length:		63.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72025

DST#: 5

ATTN: Michael Davignon

Test Start: 2024.06.30 @ 10:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	CO 99%O 1%M	0.148
252.00	CGO 19%G 80%O 1%M	3.535
126.00	SGO 1%G 99%O	1.767
33.00	GOCM 35%G 25%O 40%M	0.463
95.00	GOCWM 10%G 15%O 25%W 60%	1.333
64.00	GOCWM 10%G 10%O 5%W 75%M	0.898

Total Length: 600.00 ft

Total Volume: 8.144 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration llc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72025

DST#: 5

ATTN: Michael Davignon

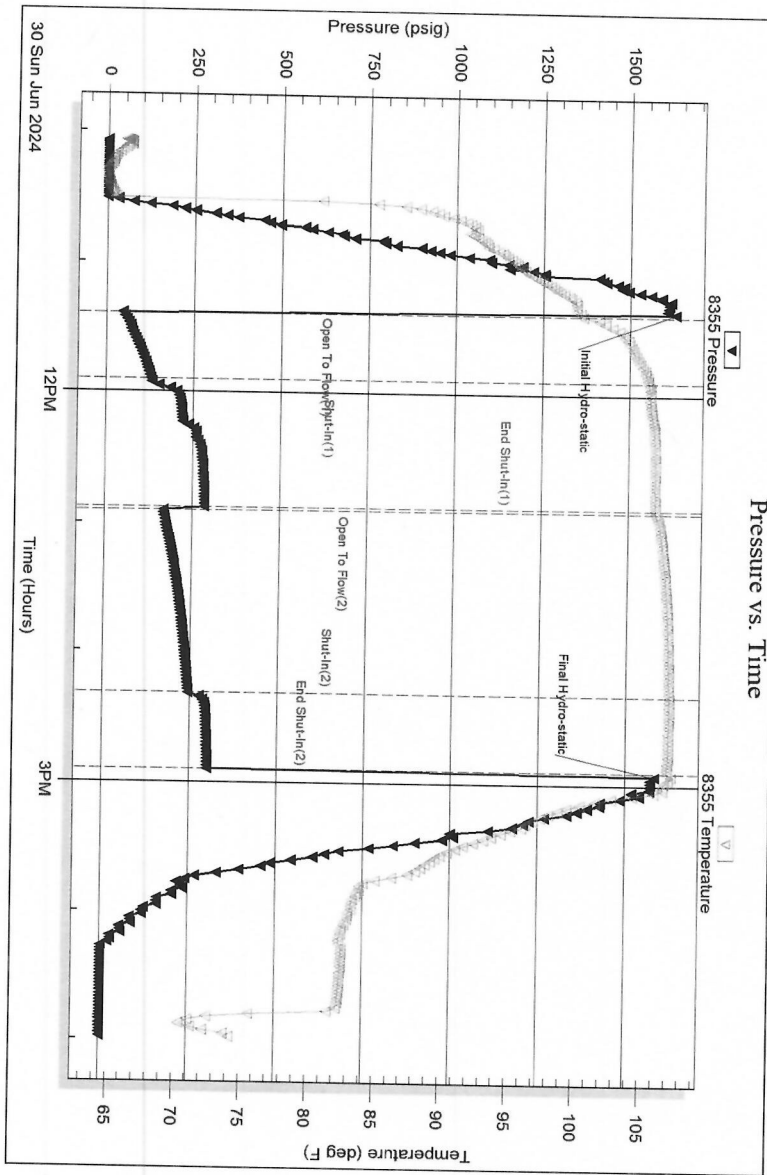
Test Start: 2024.06.30 @ 10:04:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72026

DST#: 6

ATTN: Michael Davignon

Test Start: 2024.07.01 @ 06:37:00

Tool Information

Drill Pipe:	Length: 3404.00 ft	Diameter: 3.80 inches	Volume: 47.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 78000.00 lb
			Total Volume: 47.90 bbl	Tool Chased 6.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3450.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Bar w was deployed. Pin successfully broke

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3423.00	
Shut In Tool	5.00			3428.00	
Hydraulic tool	5.00			3433.00	
EM	4.00			3437.00	
Safety Joint	3.00			3440.00	
Packer	5.00			3445.00	28.00 Bottom Of Top Packer
Packer	5.00			3450.00	
Stubb	1.00			3451.00	
Perforations	6.00			3457.00	
Change Over Sub	1.00			3458.00	
Drill Pipe	63.00			3521.00	
Change Over Sub	1.00			3522.00	
Handling Sub	5.00			3527.00	
Recorder	0.00	8355	Inside	3527.00	
Recorder	0.00	8289	Outside	3527.00	
Perforations	10.00			3537.00	
Bullnose	3.00			3540.00	90.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72026

DST#: 6

ATTN: Michael Davignon

Test Start: 2024.07.01 @ 06:37:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

ft

Cushion Volume:

bbl

Gas Cushion Type:

Gas Cushion Pressure:

psig

Oil API:

deg API

Water Salinity:

62000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1134.00	CO 99%O 1%M	15.634
126.00	GOWCM 30%G 20%W 25%O 25%M	1.767

Total Length: 1260.00 ft

Total Volume: 17.401 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Blake Exploration llc

12-7S-21W/ Graham

201 Main St PO Box 150
Bogue KS 67625

Robert 2

Job Ticket: 72026

DST#: 6

ATTN: Michael Davignon

Test Start: 2024.07.01 @ 06:37:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

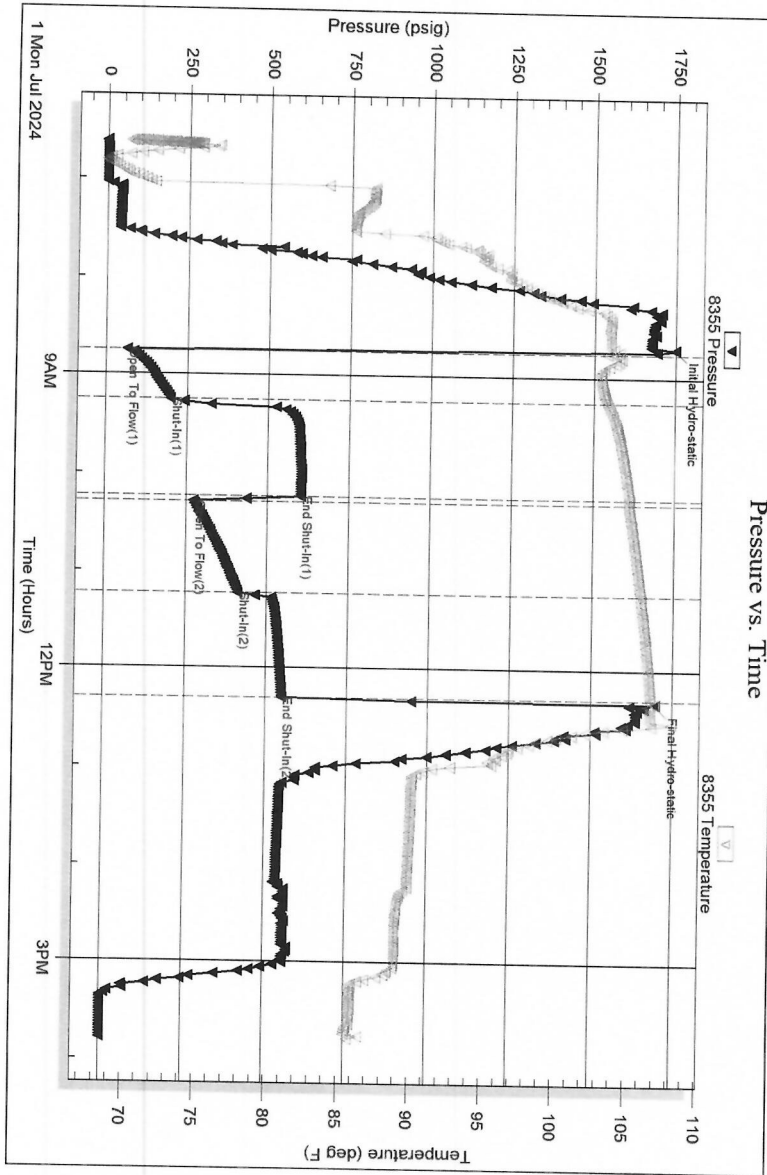
Serial #: 8355

Inside

Blake Exploration Inc.

Robert 2

DST Test Number: 6



Tricchie Testing, Inc

Ref. No. 72026

Printed: 2024.07.01 @ 17:21:45

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

December 05, 2024

Mike Davignon
Blake Exploration, LLC
201 S MAIN
PO BOX 150
BOGUE, KS 67625-0150

Re: ACO-1
API 15-065-24316-00-00
ROBERTS 2
NE/4 Sec.12-07S-21W
Graham County, Kansas

Dear Mike Davignon:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/25/2024 and the ACO-1 was received on December 04, 2024 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department