KOLAR Document ID: 1591813

Confident	tiality Requested:
Yes	No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL	HISTORY	- DESCRIP	WEII &	IFASE
	INSIONI		WLLL Q	LLASL

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	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 EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Canad Data are Data Dasabad TD Completing Data are	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II III Approved by: Date:

KOLAR Document ID: 1591813

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

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 (Attach Additional Sh	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
·	*		és 🗌 No	Ν	lame	e		Тор	Datum
Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Perforate		Туре	e of Cement	# Sacks Used	k		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes ns? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Grav				Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	/IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			Top Bottom	
Shots Per Perforation Perfo Foot Top Bot			Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Black Oak Exploration, LLC
Well Name	WALKER 1-33
Doc ID	1591813

All Electric Logs Run

DUCP	
DIL	
MICRO	
SONIC	

Form	ACO1 - Well Completion
Operator	Black Oak Exploration, LLC
Well Name	WALKER 1-33
Doc ID	1591813

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.624	23	266	H-325	2% Gel 3% CC



					THE ODE STREET, IN AND THE READ OF A DOMESTIC AND A DOMESTIC AND A DOMESTICAN DATA	~		MANY COMPANY AND AND A MANY AND A		
EMENT	TRE	ATMEN	T REP	ORT						
Custo	mer:	Black Oa	Black Oak Exploration Well:			Walker # 1-33 Ticket: WP 1514				
City, S	tate:	Oakley k	<s< td=""><td></td><td>County:</td><td colspan="3">Rawlins KS Date:</td><td>6/24/2021</td></s<>		County:	Rawlins KS Date:			6/24/2021	
Field	Rep:				S-T-R:		33-3S-32W	Service:	Surface	
Down	nole li	nformatic	n		Calculated Si	urry - Lead		Calc	ulated Slurry - Tail	
Hole	Size:	12.25	in		Blend:	H- 32		Blend:		
Hole De	epth:	268	ft		Weight:	14.9 p	pg	Weight:	ppg	
Casing	Size:	8 5/8	in		Water / Sx:	6.4 g	jal / sx	Water / Sx:	gal / sx	
asing De	epth:	266.96	ft		Yield:	1.38 ft	t ³ /sx	Yield:	ft ³ / sx	
ubing / L	iner:		in		Annular Bbls / Ft.:	0.0735 b	obs / ft.	Annular Bbls / Ft.:	bbs / ft.	
De	epth:		ft		Depth:	266.96 ft	t	Depth:	ft	
ool / Pac	14. 1993				Annular Volume:	19.6 b	bls	Annular Volume:	0 bbls	
Tool De	1000		ft		Excess:			Excess:		
isplacem	ent:	15.7			Total Slurry:	62.7 b		Total Slurry:	0.0 bbls	
			STAGE	TOTAL	Total Sacks:	255 s	×	Total Sacks:	0 sx	
	RATE	PSI	BBLs	BBLs	REMARKS					
230P			-	-	GOT TO LOCATION					
235P										
240P 248P 3		250.0	5.0		RIGGED UP TRUCKS PUMPED 5 BBL OF H20					
246P 3		400.0	62.7	5.0 67.7			DE ET			
307P 5		350.0	15.7	83.4	PUMPED 255 SKS OF H- DISPLACED WITH H20					
310P		330.0	10.7	83.4	PLUG DOWN	CIRCULATE	D 3 BBL3 TO FIT			
315P				83.4	WASHED UP PUMP TRU	ICK				
325P				83.4	RIGGED DOWN TRUCKS					
345P				83.4	OFF LOCATION					
							· · · · · · · · · · · · · · · · · · ·			
								255		
	100									
		CREW			UNIT			SUMMAR		
	enter:	Josh			73	-	Average Rate	Average Pressure	Total Fluid	
Pump Ope	rator:	John	í		208	L	3.9 bpm	333 psi	83 bbls	
	lk #1:	Kale		1	205					



	10010100000	TMENT		ANALY CONTRACTOR OF THE OWNER					
	100	Black Oak Exploration Well:			Walker # 1- 33 Ticket: WP 1545				
City, S	tate: (Dakley K	s		County:		Rawlins KS	Date:	7/1/2021
Field	Rep: /	Arturo			S-T-R:		33-35-32W	Service:	РТА
Down	hole In	formation	n		Calculated SI	urry - Lead		Calcul	lated Slurry - Tail
Hole	Size:	7 7/8	in		Blend:	H-PL	UG	Blend:	
Hole D	epth:	4630	ft		Weight:	13.8 p	ppg	Weight:	ppg
Casing	Size:		in		Water / Sx:	6.9 g	jal / sx	Water / Sx:	gal / sx
asing D	epth:		ft		Yield:	1.43 f	t ³ /sx	Yield:	ft ³ / sx
ubing / I	.iner:	1	in		Annular Bbls / Ft.:	0.0406	obs / ft.	Annular Bbls / Ft.:	bbs / ft.
D	opth:	1	ft		Depth:	2800 1	t	Depth:	ft
Fool / Pa	cker:				Annular Volume:	113.7	obls	Annular Volume:	0 bbls
Tool D	epth:		ft		Excess:			Excess:	
lisplace	ment:		bbls		Total Slurry:	64.9	obls	Total Slurry:	0.0 bbls
			STAGE	TOTAL	Total Sacks:	255	5X	Total Sacks:	0 sx
TIME	RATE	PSI	BBLS	BBLs	REMARKS				
830A					GOT TO LOCATION				
835A				-	SAFETY MEETING				
840A					RIGGED UP TRUCKS				
857A	3.0	100.0	5.0	5.0	H20 AHEAD				
859A	3.2	250.0	12.6	17.6	PUMPED 50 SKS OF H	20 @ 2800 F1	·		
903A	4.0	200.0	28.0	45.6	DISPLACED WITH H20				
957A	5.0	300.0	25.2	70.8	PUMPED 100 SKS OF I	H- PLUG @ 1	550 FT		
1003A	4.0	200.0	13.0	83.8	DISPLACED WITH H20				
1047A		250.0	12.6	96.4	PUMPED 50 SKS OF H	- PLUG @ 32	5 FT		
1050A	3.0	200.0	1.0	97.4	DISPLACED WITH H20				
1130A	1.5	50.0	7.6	105.0	PUMPED 30 SKS OF H	-PLUG IN RH			
1134A	1.5	50.0	3.8		PUMPED 15 SKS OF H	- PLUG IN MI	H		
1136A	1.5	50.0	2.5		PUMPED 10 SKS OF H	- PLUG IN TO	OP 40 FT		
1140A					PLUG DOWN	1000.0			
1145A					WASHED UP PUMP TR				
1200P					RIGGGED DOWN TRU	CKS			
1215P					OFF LOCATION				
_									
-									
		_				10-00			
_	-								
				-					
MARK	Nester I	CREW		norvers.	UNIT			SUMMAR	Y
	monter				73		Average Rate	Average Pressure	Total Fluid
Ce Pump O	menter:				208		3.0 bpm	165 psi	111 bbls
	Bulk #1:	200.02			194/254				
	3ulk #1: 3ulk #2:				10-114-014				



DRILL STEM TEST REPORT

Prepared For:

Black Oak Exploration, LLC

1474 S ST Paul St Denver, CO 80210

ATTN: Clayton Camozzi

Walker #1-33

33-3s-32w Rawlins,KS

 Start Date:
 2021.06.28 @ 15:01:00

 End Date:
 2021.06.28 @ 20:22:36

 Job Ticket #:
 67526
 DST #: 2

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

Formation: LKC 'F - H' Deviated: No Winjstock: ft (KB) Time Tool Opend: 164:35 Test Type: Conventional Bottom Hole (Reset) Trees: Test: Jane Type: Conventional Bottom Hole (Reset) Trees: Interval: 4012.00 ft (KB) TO 4096.00 ft (KB) (TVD) Total Doph: 303.2.00 ft (KB) Frees:@MunDeptr: 21.15 psig 4013.00 ft (KB) Capacity:: 8000.00 psig Sant Date: 2021.06.28 The On Birr: 2021.06.28 (B 16.46.21) Tme On Birr: 2021.06.28 (B 16.46.21) Time Off Birr: 20.106.28 (B 16.46.21) Tme Off Birr: 2021.06.28 (B 18.34.06) Test: 2021.06.28 (B 18.34.06) TEST COMMENT: 20 - Ft Blow built to 1/8", died back to weak surface blow 45 - Bit No blow back 10 - Ftt No blow 30 - FSI: No blow 30 - FSI: No blow Tome off Birr: 2021.06.28 (B 18.34.06) 111.19 (Pine To Ftow (1)) 113.48 (Ftor Ftor Ftow (1)) 10 - FE: No blow Tome off Birr: 2021.06.28 (B 18.34.06) 111.19 (Pine To Ftow (2)) 111.19 (Pine To Ftow (2)) 10 - FSI: No blow Tome off Birr: 202.22.28 (B 18.34.06) 113.39 (Ftor Ftor Ftow (2)) 113.41 (S 111.10) 10 - FSI: No blow		DRILL STEM TES	T REP	ORT		
Denver, CO 30210 Joh Ticket: 67526 DST#: 2 ATTN: Cayton Camozzi Test Start: 2021.06.28 (# 15.01.00) GENERAL INFORMATION: Environment of the failed intervation of the failed interv		Black Oak Exploration, LLC		33-3s-32\	w Rawlins,KS	
ATTN: Clayton Camozzi Test Start: 2021.06.28 @ 15:01:00 GENERAL INFORMATION: Formation: LKC 'F - If Deviated: No Whipetook: ft (KB) Time Tool Opend: 16:46:36 Tester: James Winder/ Justin Time Tool Opend: 0:06:00 ft (KB) (TVD) 3027.00 ft (CF) Total Opend: 2021.06:28 (B total Condition: 5000.00 paig Start Date: 2021.06:28 (B total Condition: 3022.00 ft (KB) Press@Builder: 211.6 paig: 2021.06:28 (B total Condition: 3022.00 ft (KB) Press@Builder: 211.6 paig: 2021.06:28 (B total Condition: 3022.00 ft (KB) Start Date: 2021.06:28 (B total Condition: 2021.06:28 (B total Condition: 2021.06:28 (B total Condition: Time: 15:01:01 End Time: 2021.06:28 (B total Condition: 2021.06:28 (B total Condition: TEST COMMENT: 20.1 Ft botal 2021.06:28 (B total Condition: 2021.06:28 (B total Condition: 30 - F5! No blow 30 - F5! No blow 30 - F5! No blow 2021.06:28 (B total Condition: Test: 100 ft botal 111.41 (B total Condition: 111.42 (B total Condition: 100 ft botal 100 ft botal 111.41 (B total Condition: 111.41 (B total Condition: 101 ft botal 111.41 (B total Condition: 111.41 (B tot	ESTING , INC	1474 S ST Paul St		Walker #	#1-33	
GENERAL INFORMATION: GENERAL INFORMATION: GENERAL INFORMATION: GENERAL INFORMATION: GENERAL INFORMATION: Generation: Tast Type: Conventional Bottom Hole (Reset) The Tool Opent: 14 (KB) To 408.00 ft (KB) (TVD) Total Dept: Added to ft (KB) (TVD) Hole Diameter: 7.83 inchesHole Condition: Fair Capacity:: 8000.00 psig Start Time: 2021.06.28 eff 0.48.21 Time On Bir: 2021.06.28 (J 16.48.21) Time On Bir: 2021.06.28 (J 16.48.21) Time Off Bir: 2021.06.28 (J 16.48.21)		Denver, CO 80210		Job Ticket:	67526	DST#:2
Formation: LKC 'F - H' Deviated: No Winjstock: ft (KB) Time Tool Opend: 164:35 Test Type: Conventional Bottom Hole (Reset) Trees: Test: Jane Type: Conventional Bottom Hole (Reset) Trees: Interval: 4012.00 ft (KB) TO 4096.00 ft (KB) (TVD) Total Doph: 303.2.00 ft (KB) Frees:@MunDeptr: 21.15 psig 4013.00 ft (KB) Capacity:: 8000.00 psig Sant Date: 2021.06.28 The On Birr: 2021.06.28 (B 16.46.21) Tme On Birr: 2021.06.28 (B 16.46.21) Time Off Birr: 20.106.28 (B 16.46.21) Tme Off Birr: 2021.06.28 (B 18.34.06) Test: 2021.06.28 (B 18.34.06) TEST COMMENT: 20 - Ft Blow built to 1/8", died back to weak surface blow 45 - Bit No blow back 10 - Ftt No blow 30 - FSI: No blow 30 - FSI: No blow Tome off Birr: 2021.06.28 (B 18.34.06) 111.19 (Pine To Ftow (1)) 113.48 (Ftor Ftor Ftow (1)) 10 - FE: No blow Tome off Birr: 2021.06.28 (B 18.34.06) 111.19 (Pine To Ftow (2)) 111.19 (Pine To Ftow (2)) 10 - FSI: No blow Tome off Birr: 202.22.28 (B 18.34.06) 113.39 (Ftor Ftor Ftow (2)) 113.41 (S 111.10) 10 - FSI: No blow		ATTN: Clayton Camozzi		Test Start:	2021.06.28 @ 15:	01:00
Deviate: No Whipstock: ft (KB) Test: Type: Conventional Bottom Hole (Reset) Time Tool Opened: 16.463.86 Tres Fest: Hold: 20.223.36 Interval: 4012.00 ft (KB) To 4086.00 ft (KB) (TVD) Total Depit: 4006.00 ft (KB) (TVD) Held Dameter: 7.88 incheshlede Condition: Far Sorial #: 6771 Inside Presse@BunDepth: 21.15 psig @ 4013.00 ft (KB) Start Date: 2021.06.28 End Date: 2021.06.28 Last Calib.: 2021.06.28 @ 18.34.06 TEST COMMENT: 20.1F. Blow built to 1/8°, died back to weak surface blow 45 - Sit: No blow back 10 - FF: No blow 30 - FF: No blow 40 - FF: No blow	GENERAL INFORMATION:					
Total Depti: 4986.00 ft (KB) (TVD) 3027.00 ft (CF) Hole Dameter: 7.88 inches/Hole Condition: Fair KB to GROF. 5.00 ft Serial #: 6771 Inside Press@RunDepti: 2115 psig @ 4013.00 ft (KB) 2021.06.28 East Callbo: 2021.06.28 @ 16.46.21 Time Off Birn 2021.06.28 @ End Date: 2021.06.28 @ 16.46.21 Time Off Birn 2021.06.28 @ 16.46.21 Time Off Birn 2021.06.28 @ 16.34.00 Time Off Birn 2021.06.28 @ 16.34.00 TEST COMMENT: 20 FF: Blow built to 1/8", died back to weak surface blow 45 - ISF. No blow 30 - FSF. No blow 30 - FSF. No blow 30 - FSF. No blow Time Off Birn 2021.06.28 @ 16.34.00 Pressure Time Off Birn Pressure Time Off Birn 2021.06.28 @ 16.34.00 Time Off Birn Pressure Time Off Birn 20.21.06.28 @ <td></td> <td>ft (KB)</td> <td></td> <td>Tester:</td> <td>James Winder/ J</td> <td></td>		ft (KB)		Tester:	James Winder/ J	
Press@RunDepth: 21.15 psig @ 4013.00 ft (KB) Start Date: 2021.06.28 End Date: 2021.06.28 End Date: 2021.06.28 Last Calib: 2021.06.28 (Date Add 21) Time Off Birr 2021.06.28 @ 18:34:06 TEST COMMENT: 20 - IF: Blow built to 1/8", died back to weak surface blow 46 - Sh: No blow back 10 - FF: No blow 30 - FS: No blow	Total Depth: 4086.00 ft (KB) (T	/D)			З	027.00 ft (CF)
Press@RunDepth: 21.15 psig @ 4013.00 ft (KB) Start Date: 2021.06.28 End Date: 2021.06.28 End Date: 2021.06.28 Last Calib: 2021.06.28 (Date Add 21) Time Off Birr 2021.06.28 @ 18:34:06 TEST COMMENT: 20 - IF: Blow built to 1/8", died back to weak surface blow 46 - Sh: No blow back 10 - FF: No blow 30 - FS: No blow	Serial #: 6771 Inside					
45 - ISI: No blow 30 - FSI: No blow 30 - FSI: No blow 45 - ISI: No	Press@RunDepth:21.15 psigStart Date:2021.06.28	End Date:		Last Calib.: Time On Btm:	202 2021.06.28 @ 1	1.06.28 6:46:21
Image: Second	45 - ISI: No blow 10 - FF: No blow	back	e blow			
Image: control in the state of the stat		$\overline{\nabla}$				ſ
Length (ft) Description Volume (bbl) 15.00 Mud 100% 0.07	C/7 Prosure C/7 P	Timperfund Timper	(Min.) 0 1 21 65 66 76 107	(psig) (deg 2026.51 111.1 17.47 111.1 18.94 113.1 598.32 113.1 20.31 113.1 21.15 114.1 355.34 114.1	F) Initial Hydro-sta 99 Initial Hydro-sta 81 Open To Flow (19 Shut-In(1) 88 End Shut-In(1) 67 Open To Flow (07 Shut-In(2) 63 End Shut-In(2)	1) 2)
15.00 Mud 100% 0.07	· · · · · · · · · · · · · · · · · · ·			(
Image: Constraint of the set of the se				Cho	ke (inches) Pressure (ps	ig) Gas Rate (Mcf/d)
Trilobite Testing, Inc Ref. No: 67526 Printed: 2021.07.01 @ 09:15:11	* Recovery from multiple tests					

	DRILL STEM TES	T REPO	ORT			
RILOBITE	Black Oak Exploration, LLC		33-3s-32w	v Rawlins,	KS	
ESTING , INC	1474 S ST Paul St Denver, CO 80210		Walker #			
			Job Ticket:		DST#:2	
	ATTN: Clayton Camozzi		Test Start:	2021.06.28 @	y 15:01:00	
GENERAL INFORMATION:						
Formation:LKC "F - H"Deviated:NoWhipstock:Time Tool Opened:16:46:36Time Test Ended:20:22:36	ft (KB)		Test Type: Tester: Unit No:	Conventiona James Winc 73	al Bottom Hole der/ Justin	(Reset)
Interval: 4012.00 ft (KB) To 406 Total Depth: 4086.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	′D)		Reference I	Elevations: B to GR/CF:	3032.00 f 3027.00 f 5.00 f	t (CF)
Serial #: 8367OutsidePress@RunDepth:psigStart Date:2021.06.28Start Time:15:01:01		2021.06.28 20:22:06	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2021.06.28	psig
TEST COMMENT: 20 - IF: Blow built 45 - ISI: No blow b 10 - FF: No blow 30 - FSI: No blow	back	e blow				
Pressure vs. Ti A 830 Pressure	inne Allo 8367 Tempenature			JRE SUMM		
200 173 173 173 173 173 173 173 173	115 10 10 10 10 10 10 10 10 10 10 10 10 10	Time (Min.)	Pressure Temp (psig) (deg F		on	
Recovery			G	as Rates		
Length (ft) Description Length (ft) Description 15.00 Mud 100%	Volume (bbl) 0.07		Chok	e (inches) Press	ure (psig) Gas	Rate (Mcf/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 67526			d: 2021.07.01		

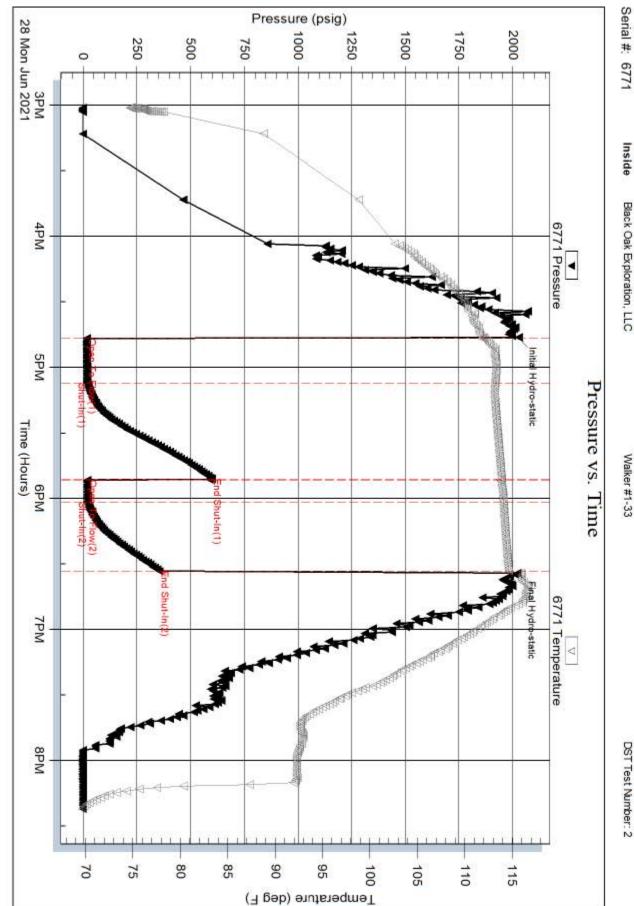
()) ()) I K	ILOBITE				REPOR		TOOL DIAGR
	FOTINO	Black C	0ak Exploratio	n, LLC		33-3s-32w Rawlins,	KS
	ESTING , INC	1 14/4 0	ST Paul St			Walker #1-33	
		Denver	, CO 80210			Job Ticket: 67526	DST#: 2
NOV .		ATTN:	Clayton Cam	ozzi		Test Start: 2021.06.28 @) 15:01:00
Tool Information							
Drill Pipe: Le	ength: 3770.00 ft	Diameter:	3.80 in	ches Volume:	52.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Le	ength: 0.00 ft	Diameter:	2.75 in	ches Volume:	0.00 bbl	Weight set on Packer	: 20000.00 lb
Drill Collar: Le	ength: 234.00 ft	Diameter:	2.25 in	ches Volume:	1.15 bbl	Weight to Pull Loose:	
Drill Pipe Above KB:	21.00 ft			Total Volume:	54.03 bbl	Tool Chased	0.00 ft
Depth to Top Packer:						String Weight: Initial	80000.00 lb
Depth to Bottom Pack						Final	80000.00 lb
Interval betw een Pac							
Tool Length:	103.00 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
number of rachers.	L						
Tool Comments:		angth (ft)		Position	Denth (ft) Ar	scum Lengths	
Tool Comments: Tool Description		-	Serial No.	Position		ccum. Lengths	
Tool Comments: Tool Description Change Over Sub		ength (ft) 1.00 5.00		Position	Depth (ft) Ac 3984.00 3989.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool		1.00		Position	3984.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool		1.00 5.00		Position	3984.00 3989.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars		1.00 5.00 5.00		Position	3984.00 3989.00 3994.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		1.00 5.00 5.00 5.00		Position	3984.00 3989.00 3994.00 3999.00	ccum. Lengths	Bottom Of Top Pack
Tool Comments:		1.00 5.00 5.00 5.00 3.00		Position	3984.00 3989.00 3994.00 3999.00 4002.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		1.00 5.00 5.00 5.00 3.00 5.00		Position	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		1.00 5.00 5.00 5.00 3.00 5.00 5.00		Position	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00	Serial No.		3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00 4013.00 4013.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00	Serial No.	Inside	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00 4013.00 4013.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00	Serial No.	Inside	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00 4013.00 4013.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 5.00	Serial No.	Inside	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00 4013.00 4013.00 4013.00 4013.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 5.00 1.00	Serial No.	Inside	3984.00 3989.00 3994.00 3999.00 4002.00 4007.00 4012.00 4013.00 4013.00 4013.00 4018.00 4019.00		Bottom Of Top Pack

10		DRI	LL STEM TEST REPOR	Г	FLUI	D SUMMARY				
	LUDITE	Black (Dak Exploration, LLC	33-3s-32w	Rawlins,KS					
	TRILOBITE TESTING , INC		s ST Paul St r, CO 80210	Walker #1-33 Job Ticket: 67526 DST#:2						
ali ali a		ATTN:	Clayton Camozzi	Test Start: 2	2021.06.28 @ 15:01:00	J				
Mud and C	ushion Information									
Mud Type: 0 Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: Filter Cake:	Gel Chem 9.00 lb/gal 82.00 sec/qt 7.18 in ³ ohm.m 1600.00 ppm 2.00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm				
Recovery I	nformation									
	I		Recovery Table	1	-					
	Leng ft	h	Description	Volume bbl						
		15.00	Mud 100%	0.074	4					
	Total Length:	15	.00 ft Total Volume: 0.074 bbl							
	Recovery Com	nents:								

Printed: 2021.07.01 @ 09:15:12

Ref. No: 67526





Walker #1-33

Inside

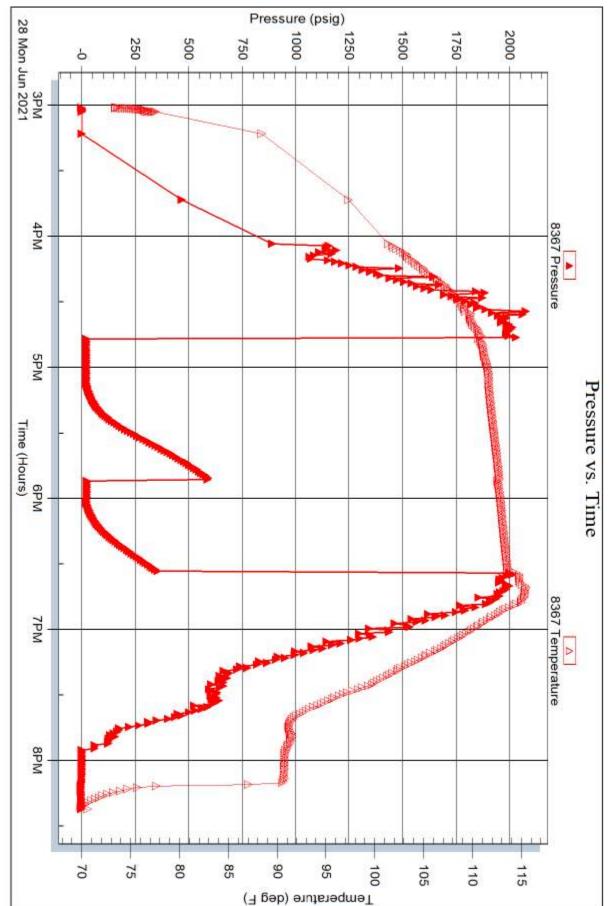
Black Oak Exploration, LLC

DST Test Number: 2

Printed: 2021.07.01 @ 09:15:12

Ref. No: 67526

Trilobite Testing, Inc



Walker #1-33

Serial #: 8367

Outside

Black Oak Exploration, LLC

DST Test Number: 2



DRILL STEM TEST REPORT

Prepared For:

Black Oak Exploration, LLC

1474 S ST Paul St Denver, CO 80210

ATTN: Clayton Camozzi

Walker #1-33

33-3s-32w Rawlins,KS

 Start Date:
 2021.06.27 @ 20:26:00

 End Date:
 2021.06.28 @ 03:50:21

 Job Ticket #:
 67025
 DST #: 1

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

	DRILL STEM TES	T REP	ORT				
	Black Oak Exploration, LLC		33-3	3s-32w I	Rawlins,	KS	
ESTING , INC	1474 S ST Paul St		Wa	lker #1-	-33		
	Denver, CO 80210		Job ⁻	Ticket: 67	7025	DST#	t:1
	ATTN: Clayton Camozzi		Test	Start: 20)21.06.27 (20:26:00	
GENERAL INFORMATION:							
Formation:LKC "D"Deviated:NoWhipstock:Time Tool Opened:22:24:21Time Test Ended:03:50:21	ft (KB)		Test Test	er:	Convention James Wind 73	al Bottom H der	łole (Initial)
Interval: 3918.00 ft (KB) To 40 Total Depth: 4016.00 ft (KB) (T\ 1000 ft (KB) (T\ Hole Diameter: 7.88 inches Hole	/D)		Refe	erence ⊟e KB t	evations: to GR/CF:	3027.0	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 6771 Inside Press@RunDepth: 142.37 psig Start Date: 2021.06.27 Start Time: 20:26:01 TEST COMMENT: 30 - IF: 1/2" Blow 60 - ISI: No blow 30 - FF: Blow bu	End Date: End Time: at open, built to 3 1/2" back	2021.06.28 03:50:21	Capacity: Last Calib Time On E Time Off I	o.: Btm: 2		8000.0 2021.06.2 @ 22:23:5 @ 01:57:0	51
90 - FSI: No blow Pressure vs. T	inac 0771 Tempenakre	Time	PR	RESSUR	RE SUMM		
	- 70 - 70 - 70 - 70 - 70 - 70 - 70 - 70	(Min.) 0 1 31 91 92 121 213 214	(psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11 1945.19		Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	Flow (1)) .ln(1) Flow (2)) .ln(2)	
27 San Jun 2021 Time (Hans) Recovery					s Rates		
Length (ft) Description 234.00 MW 54% w , 46% m 31.00 Mud 100%	Volume (bbl) 1.15 0.43			Choke (i	nches) Press	sure (psig)	Gas Rate (Mcf/d)
Trilobite Testing, Inc	Ref. No: 67025					1 @ 09:16:	

	DRILL STEM TES	T REP	ORT			
RILOBITE	Black Oak Exploration, LLC		33-3s-32v	v Rawlins	,KS	
ESTING , INC	1474 S ST Paul St		Walker #	ŧ1-33		
	Denver, CO 80210		Job Ticket:	67025	DST	#: 1
MOR.	ATTN: Clayton Camozzi		Test Start:	2021.06.27 (@ 20:26:00)
GENERAL INFORMATION:						
Formation:LKC "D"Deviated:NoWhipstock:Time Tool Opened:22:24:21Time Test Ended:03:50:21	ft (KB)		Test Type: Tester: Unit No:	Conventior James Win 73		Hole (Initial)
Interval:3918.00 ft (KB) To40Total Depth:4016.00 ft (KB) (T\Hole Diameter:7.88 inches Hole	/D)		Reference K	Elevations: B to GR/CF:	3027.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8367OutsidePress@RunDepth:psigStart Date:2021.06.27Start Time:20:26:01	@ 3919.00 ft (KB) End Date: End Time:	2021.06.28 03:49:51	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 1899.12.	00 psig 30
TEST COMMENT: 30 - IF: 1/2" Blow 60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow	back ilt to 3 1/4"					
Pressure vs. T	ime 3367 Temperature			JRE SUM		
2000 700 700 700 700 700 700 700		Time (Min.)	Pressure Temp (psig) (deg l		lion	
Recovery			(Gas Rates		
Length (ft) Description	Volume (bbl)		Chol	ke (inches) Pres	sure (psig)	Gas Rate (Mcf/d)
234.00 MW 54%w, 46%m 31.00 Mud 100%	1.15 0.43					
Trilobite Testing, Inc	Ref. No: 67025			ed: 2021.07.0		

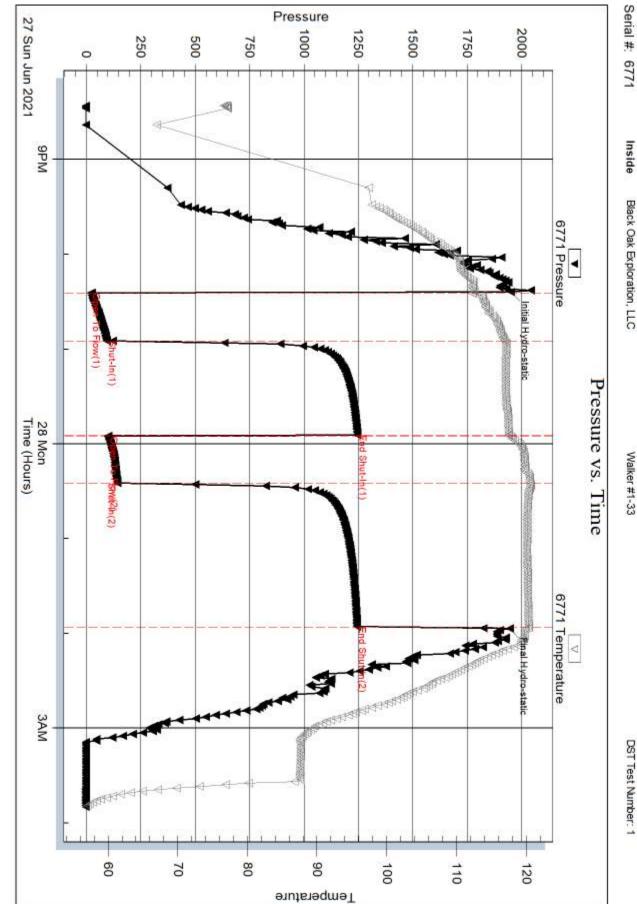
	ORITE		LLSIEN	A IESI	REPOR	I	TOOL DIAGR
	OBITE		Oak Exploration,	LLC		33-3s-32w Rawlins,	KS
	STING , INC	1474 S	ST Paul St			Walker #1-33	
		Denver	, CO 80210			Job Ticket: 67025	DST#:1
N 37		ATTN:	Clayton Camo	zzi		Test Start: 2021.06.27 @	0 20:26:00
Tool Information							
Drill Pipe: Leng	h: 3676.00 ft	Diameter:	3.80 incl	hes Volume:	51.56 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe: Lengi		Diameter:	2.75 incl	nes Volume:	0.00 bbl	Weight set on Packer	: 20000.00 lb
Drill Collar: Leng	h: 234.00 ft	Diameter:	2.25 incl	hes Volume:	1.15 bbl	Weight to Pull Loose:	100000.0 lb
Drill Ding Above KB	24 00 #		Ţ	otal Volume:	52.71 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB: Depth to Top Packer:	21.00 ft 3918.00 ft					String Weight: Initial	80000.00 lb
Depth to Bottom Packer:						Final	80000.00 lb
Interval betw een Packe							
Tool Length:	127.00 ft						
-		Diameter:	6.75 incl	nes			
Number of Packers:	2	Diamotor.	0.70 1101				
Number of Packers: Tool Comments:					Donth (ft)	ooum Longtho	
Tool Comments: Tool Description		ngth (ft)		Position		ccum. Lengths	
Tool Comments: Tool Description Change Over Sub		ngth (ft) 1.00			3890.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool		ngth (ft)				ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool		ngth (ft) 1.00 5.00			3890.00 3895.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars		ngth (ft) 1.00 5.00 5.00			3890.00 3895.00 3900.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		ngth (ft) 1.00 5.00 5.00 5.00			3890.00 3895.00 3900.00 3905.00	ccum. Lengths	Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		ngth (ft) 1.00 5.00 5.00 5.00 3.00			3890.00 3895.00 3900.00 3905.00 3908.00		Bottom Of Top Pack
		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00			3890.00 3895.00 3900.00 3905.00 3908.00 3913.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 5.00			3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 5.00 1.00	Serial No.	Position	3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00 3919.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		ngth (ft) 1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00	Serial No. 6771	Position	3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00 3919.00 3919.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations		ngth (ft) 1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00	Serial No. 6771	Position	3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00 3919.00 3919.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		ngth (ft) 1.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 29.00	Serial No. 6771	Position	3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00 3919.00 3919.00 3919.00 3948.00		Bottom Of Top Pack
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub		ngth (ft) 1.00 5.00 5.00 3.00 5.00 1.00 0.00 0.00 29.00 1.00	Serial No. 6771	Position	3890.00 3895.00 3900.00 3905.00 3908.00 3913.00 3918.00 3919.00 3919.00 3919.00 3948.00 3949.00		Bottom Of Top Pack

חסודב	TE	DRI	LL STEN	I TEST R	EPORT			FLUID SUMMAR
		Black	Oak Exploration	, LLC		33-3s-32w	Rawlins,KS	
STING	NG , IN					Walker #		207// 4
						Job Ticket: (DST#:1
		ATTN:	Clayton Camo	zzi		Test Start: 2	2021.06.27 @ 2	0:26:00
							Oil API:	deg API
-	-			-		ft	Water Salinity:	58000 ppm
						bbl		
.00 ppm	om		Gas C	ushion Pressure:		psig		
tion								
			Reco	very Table				
	Ler 1	ft		scription		Volume bbl		
				6%m		1.15	-	
		31.00	Mud 100%			0.43	5	
		F	Ref. No: 67025			Printe	d: 2	2021.07.01 @

Printed: 2021.07.01 @ 09:16:57

Ref. No: 67025





Walker #1-33

Inside

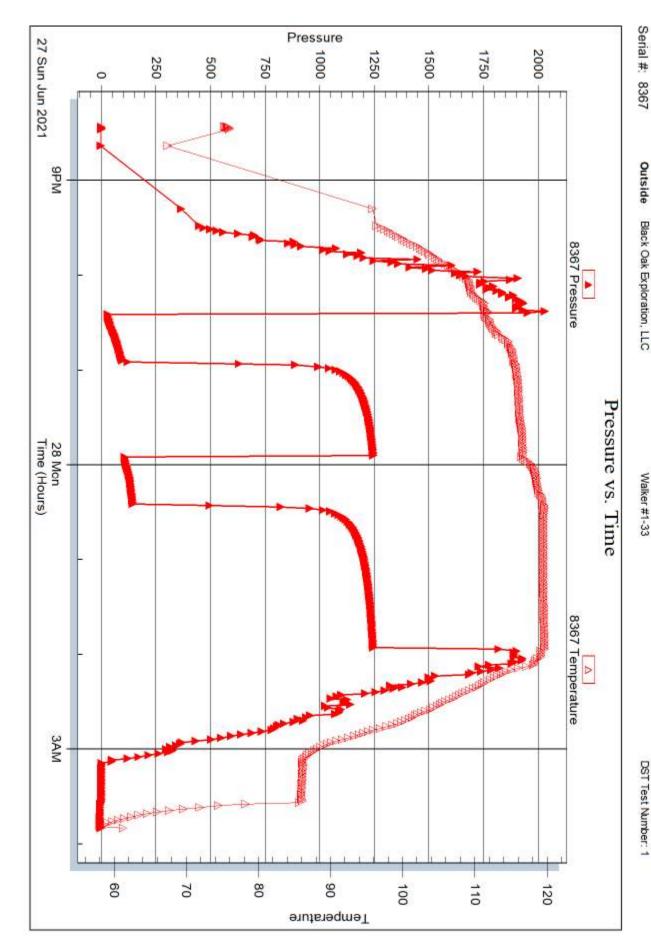
Black Oak Exploration, LLC

DST Test Number: 1

Printed: 2021.07.01 @ 09:16:57

Ref. No: 67025

Trilobite Testing, Inc



			Test	Ticket	· .
410 TESTING INC. 1515 Commerce Parkway	• Hays, Kansas 676	01	NO.	67025	
Well Name & No. Walker #1-33		Test No	1	Date 6-27	7-21
company Black Oak Explorat					
Address 1474 S ST Paul St D					
Co. Rep/Geo. Clayton Camoz		Rig_Mur	fin #7		
Location: Sec. 33 Twp 35	_	^			KS
Interval Tested 3918 - 4016		Lans. "D"			
90	Zone lested	3676		Mud Wt. 8.	8
Anchor Length 3913		234		/is75	
Bottom Packer Depth 3918	Unit Collars Run Wt. Pipe Run			NL 7.	
		1360 ppm		_CM4	
Blow Description IF: 1/2" Blow at op					
ISI: No blowbac					
FF: Blow built +	<u> </u>		•		·····
FSI: No blowback				** ******	
Rec_31_ Feet of Mud		%gas	%oil	%water	100%mud
Rec 234 Feet of MW		%gas	%oil	54 %water	46 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>265</u> BHT <u>120</u>	_ Gravity	API RW - 169	56.1 °F		
(Å) Initial Hydrostatic 1951	E Test 1300		T-On Loc	1 11.	
(B) First Initial Flow23	G Jars 250		T-Started	20:	26
(C) First Final Flow95	C Safety Joint	75	T-Open_	22:0	24
(D) Initial Shut-In	Circ Sub		T-Puiled	1:5	
(E) Second Initial Flow 0	C Hourly Standby		. T-Out	3:49	5 4/28
(F) Second Final Flow142	Mileage 52 K	T 65	Commer	nts	
(G) Final Shut-In 1245	C Sampler				
(H) Final Hydrostatic 1945	Straddle			Tool	
	G Shale Packer			ed Shale Packer_	
Initial Open	C Extra Packer			ed Packer	
Initial Shut-In				Copies	
Final Flow 30	Day Standby				
Final Shut-In 90	Accessibility		Total		
	Sub Total 1690			f Disc't	
Approved By	Ou	r Representative	mer 1	linder	

~

.

i.

.

, C

1

-

è.

Tribobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

	RILOBITE			Test T	icket	
4/10	ESTING INC 1515 Commerce Parkwa		67601	NO.	67526	
Company <u>Blac</u> Address <u>147</u> Co. Rep / Geo. <u>(</u> Location: Sec. <u></u>	Clayton Came	<u>Denver</u> <u>Denver</u> ZZI Rge. <u>32</u> u	<u>CO 80210</u> 	032 fin #7 lins		2GL
Interval Tested	74	Drill Pipe Ru	7770	Mu	d Wt8,	9
Top Packer Depth			Run 234		82	2
Bottom Packer Depth		Wt. Pipe Ru			. 7.1	2
Total Depth	4086	Chlorides _	1600 ppm	System LC	м4_	
Blow Description	IF' Blow buil.	t to 18, the	n died back	to weak	Sur face	blow
	ISI: No blowb	ack		· · · · · · · · · · · · · · · · · · ·		···-
	FF: No blow		·			<u>`</u>
	FSI: No blow					
Rec15	Feet of Mud		%gas	%oil	%water	100%mud
Rec	Feet of	······································	%gas	%oil	%water	%mud
Rec	Feet of			%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of	· · · · · · · · · · · · · · · · · · ·	%gas	%oil	%water	%mud
Rec Total 15	внт	Gravity	API RW@	°F CI	nlorides	ppm
(A) Initial Hydrostatic	12		00	T-On Local	15:0	· · · · · · · · · · · · · · · · · · ·
(B) First Initial Flow_			250	T-Started_		
(C) First Final Flow _	rgo	. C Safety Joint	75	T-Open	<u> </u>	
(D) Initial Shut-In		Circ Sub		T-Pulled T-Out	20:2	
(E) Second Initial Flor	21	. D Hourly Stan			tools load	
(F) Second Final Flow	256	. & Mileage <u>5</u>	2 KT 12 130	6/30	10000	
(G) Final Shut-In	-	. O Sampler				
(H) Final Hydrostatic	alad	Straddle			ol	
20		C Shale Packe	۶۲	C Ruined	Shale Packer_	
Initial Open		C Extra Packe	r	C Ruined	Packer	
Initial Shut-In <u>45</u> Final Flow 10			der	🛛 Extra C	opies	
20		Day Standby	y1.5d 3h		800	
Final Shut-In					2555	
•		Sub Total 17	0	MP/DST [•	
Approved By			Our Representative	ma h	mla /	

3.

ŀ

ж

-7

•

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Black Oak Exploration, LLC

WELL COMPARISON SHEET

Company: Black Oak Exploration, LLC 1474 S St Paul St Denver, CO 80210 Contact: Clayton Camozzi 303-968-4999 (Cell) Well: Walker 1-33 Location: 2350 FSL & 2050 FWL Sec. 33 - 3S - 32W Rawlins Co., KS Wellsite Geologist: Clay Elevation: 3027' GL 3032' KB Field: Wildcat API No: 15-153-21264-0000 Surface Casing: 8 5/8" set @ 266' KB

Wellsite Geologist: Clayton Camozzi Cell: (303) 968-4999

Drilling Contractor: Murfin Drilling Co Rig #7. Rig Phone (785-443-5616), Tool Pusher Arturo Cabezas (308-443-5616)

	DRILLING	WELL			COMPARI	SON WELL			COMPARIS	ON WELL		
3' Uphole Correction	Black Oak	Exp, Walk	er 1-33		Chizum O	il, LLC			Murfin Drlg	Со		
Drill Time Vs E-logs	2350 FSL	& 2050 FW	L		936 FNL &	2262 FWL	Producer		2100 FNL &	2000 FWL	D&A	
	Sec. 33 - 3	S - 32W			Sec. 34 - 3	s - 32w	Stru	ctural	Sec. 14 - 3s	- 32w	Stru	ictural
	3032	KB			3056	KB	Relati	ionship	2918	KB	Relat	ionship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Stone Corral	2760	272	2759	273	2786	270	2	3	2690	228	44	45
Topeka	3757	-725	3777	-745	3796	-740	15	-5	3690	-772	47	27
LeCompton	3857	-825	3878	-846	3896	-840	15	-6	3796	-878	53	32
Heebner	3920	-888	3940	-908	3960	-904	16	-4	3853	-935	47	27
Lansing	3957	-925	3978	-946	3998	-942	17	-4	3898	-980	55	34
Lansing D	3998	-966	4016	-984	4039	-983	17	-1	3940	-1022	56	38
Lansing G	4038	-1006	4062	-1030	4081	-1025	19	-5	3980	-1062	56	32
Lansing J	4122	-1090	4144	-1112	4164	-1108	18	-4	4069	-1151	61	39
BKC	4193	-1161	4216	-1184	4234	-1178	17	-6	4141	-1223	62	39
Pawnee	4300	-1268	4330	-1298	4340	-1284	16	-14	4245	-1327	59	29
Fort Scott	4328	-1296	4368	-1336	4378	-1322	26	-14	4281	-1363	67	27
Cherokee	4354	-1322	4388	-1356	4400	-1344	22	-12	4302	-1384	62	28
Total Depth	4630	-1598	4628	-1596	4640	-1584	-14	-12	4550	-1632	34	36

AK EXPLOR ATION Scale 1:240 (5"=100') Imperial Measured Depth Log Well Name: Walker # 1-33 Well Id: Location: Section 33 - 3S - 32W Rawlins Co, Kansas License Number: API # 15-153-21264 Region: Spud Date: 6/24/2021 Drilling Completed: 6/30/2021 Surface Coordinates: 2350' FSL & 2050 FWL **Bottom Hole** Coordinates: Ground Elevation (ft): 3027' K.B. Elevation (ft): 3032' Logged Interval (ft): 3700 To: 4630 Total Depth (ft): 4630 Formation: Lansing Kansas City Type of Drilling Fluid: Chemical Gel/Polymer Fresh Water -Based Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BLACK OAK EXPLORATION, LLC Address: 1474 S St Paul St Denver CO 80210

GEOLOGIST

Name: Clayton Camozzi Company: Black Oak Exploration, LLC Address: 1474 S St Paul St Denver CO 80210 Cell: 303.968.4999

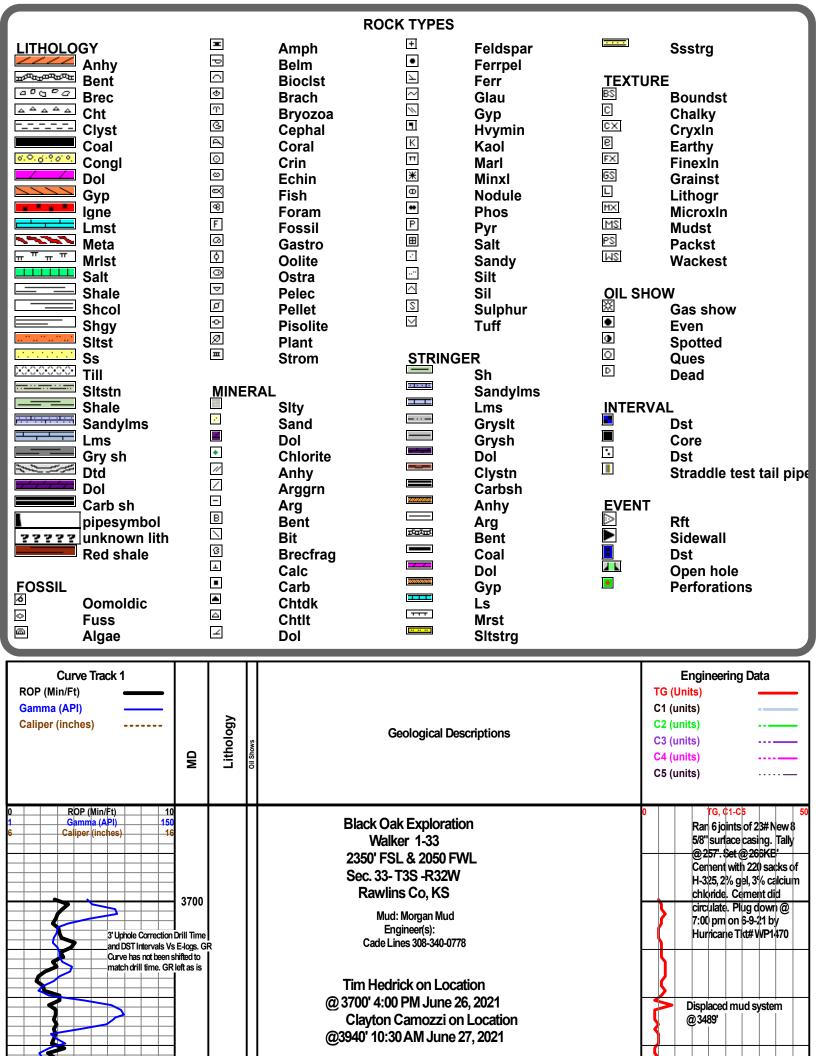
REMARKS

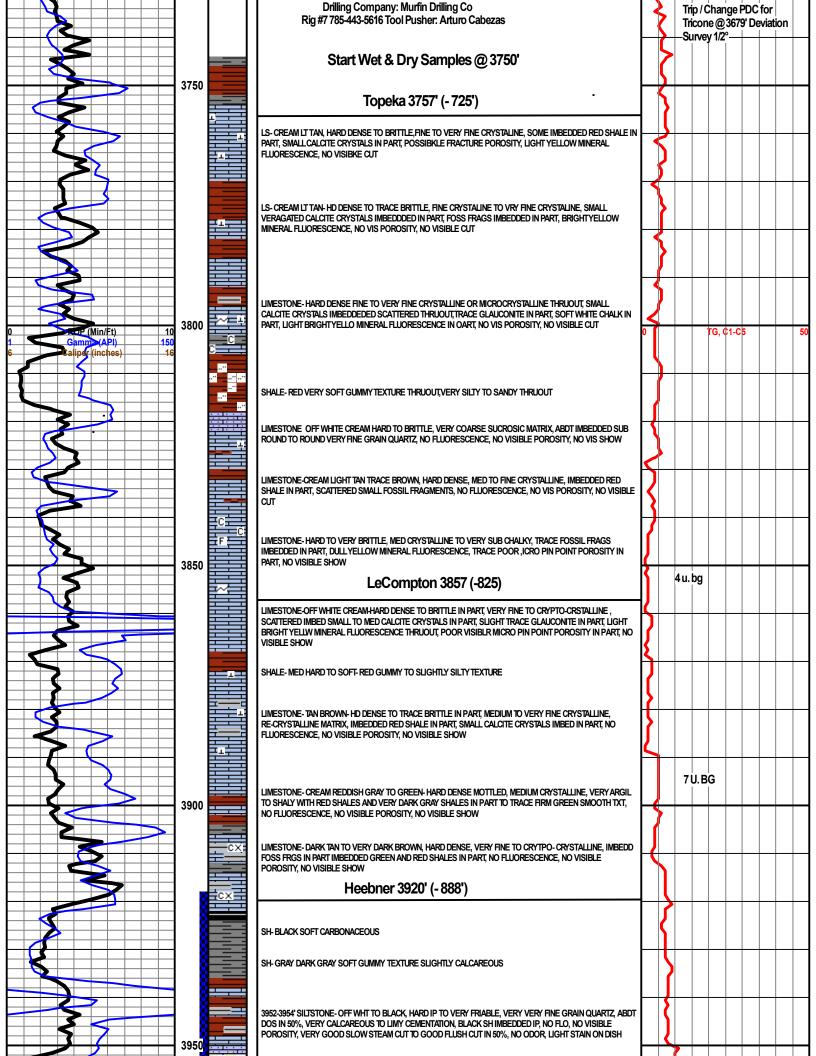
After Review of the DST Data, E-logs and Geolog, it was determined to Plug and Abandon the Walker 1-33. The samples will be delivered, processed and available for viewing at the KGS Library in Wichita Kansas.

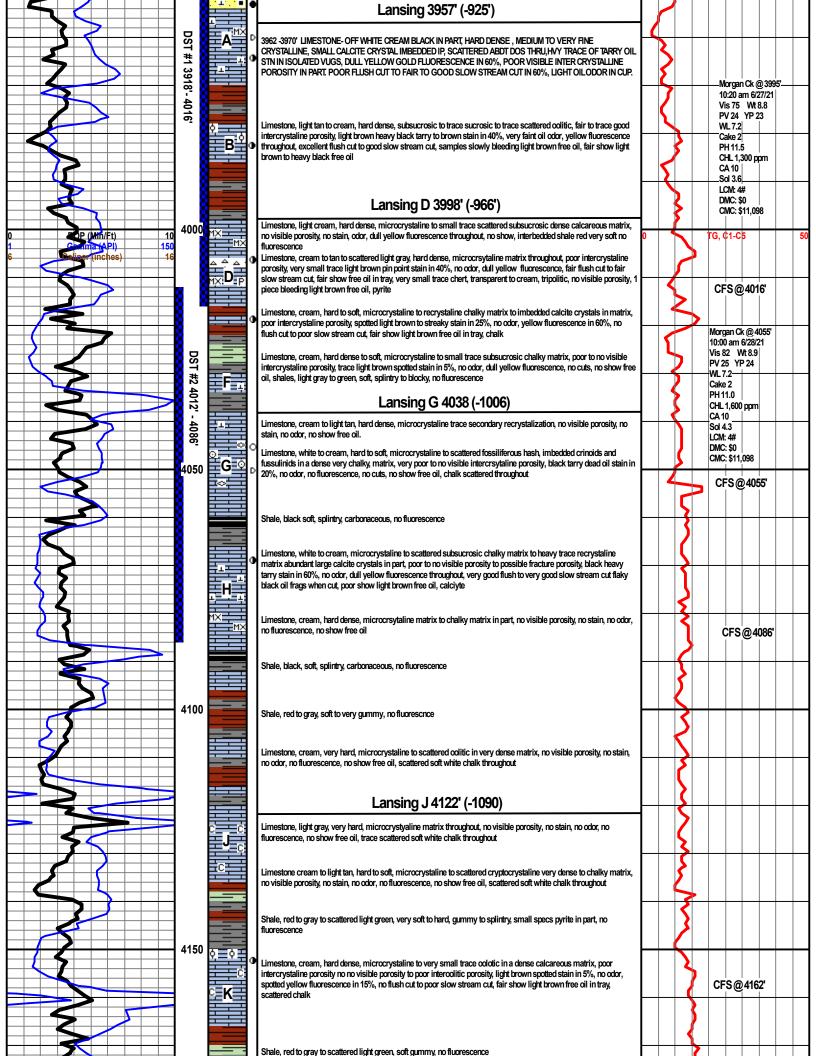
Oak Exploration, LLC	WELL COMPARISON SHEET	Well: Walker 1-33 Elevation: 3027' GL 3032' KB Location: 2350 FSL & 2050 FWL Field: Wildcat Field: Wildcat Sec. 33 - 32 v API No: 15-153-21264-0000 Rawlins Co., KS Surface Casing: 8 5/8" set @ 266' KB	Wellsite Geologist: Clayton Camozzi Cell: (303) 968-4999 (785-443-5616), Tool Pusher Arturo Cabezas (308-443-5616)	COMPARISON WELL COMPARISON WELL Chizum Oil, LLC Murfin Drlg Co 936 FNL & 2262 FWL Producer 2100 FNL & 2000 FWL D&A	Structural Sec. 14 - 3s - 32w	Relationship 2918 KB	Log Sub-Sea Sample Log Log Sub-Sea Sample Log	270 2 3 2690 228 44	-740 15 -5 3690 -772 47	-840 15 -6 3796	+	-342 -17 -1 3940 -1022 56		4164 -1108 18 -4 4069 -1151 61 39	4234 -1178 17 -6 4141 -1223 62 39	-14 4245 -1327 59	-14 4281 -1363 67	4400 -1344 22 -12 4302 -1384 62 28	4640 -1584 -14 -12 4550 -1632 34 36
	WELL COMPA	Well: Walker 1-33 Location: 2350 FSL & 20 Sec. 33 - 3S - 3 Rawlins Co., M	(785-443-5616),		_	3056 KB	Log Sub-Sea	2786	3796	3896	3960	4039	4081	2 4164	4 4234	4340	4378	4400	4640
Black		Black Oak Exploration, LLC 1474 S St Paul St Denver, CO 80210 iozzi 303-968-4999 (Cell)	ling Co Rig #7. Rig Phone	DRILLING WELL Black Oak Exp, Walker 1-33 2350 FSL & 2050 FWL	3S - 32W		Sub-Sea Log Sub-Sea	2759	3777	3878	-888 3940 -908 -025 3078 -046	4016	-1006 4062 -1030	-1090 4144 -111	-1161 4216 -118	-1268 4330 -1298	-1296 4368 -1336	-1322 4388 -1356	-1598 4628 -1596
		Company: Black Oak Exploration, LLC 1474 S St Paul St Denver, CO 80210 Contact: Clayton Camozzi 303-968-4999 (Cell)	Drilling Contractor: Murfin Drilling Co Rig #7. Rig Phone	3' Uphole Correction Black Oak Exp, V Drill Time Vs E-logs 2350 FSL & 2050	Sec.		Formation Sample	Stone Corral 2760		ton	Heebner 3920		Lansing G 4038	Lansing J 4122	BKC 4193	Pawnee 4300	Fort Scott 4328	Cherokee 4354	Total Depth 4630

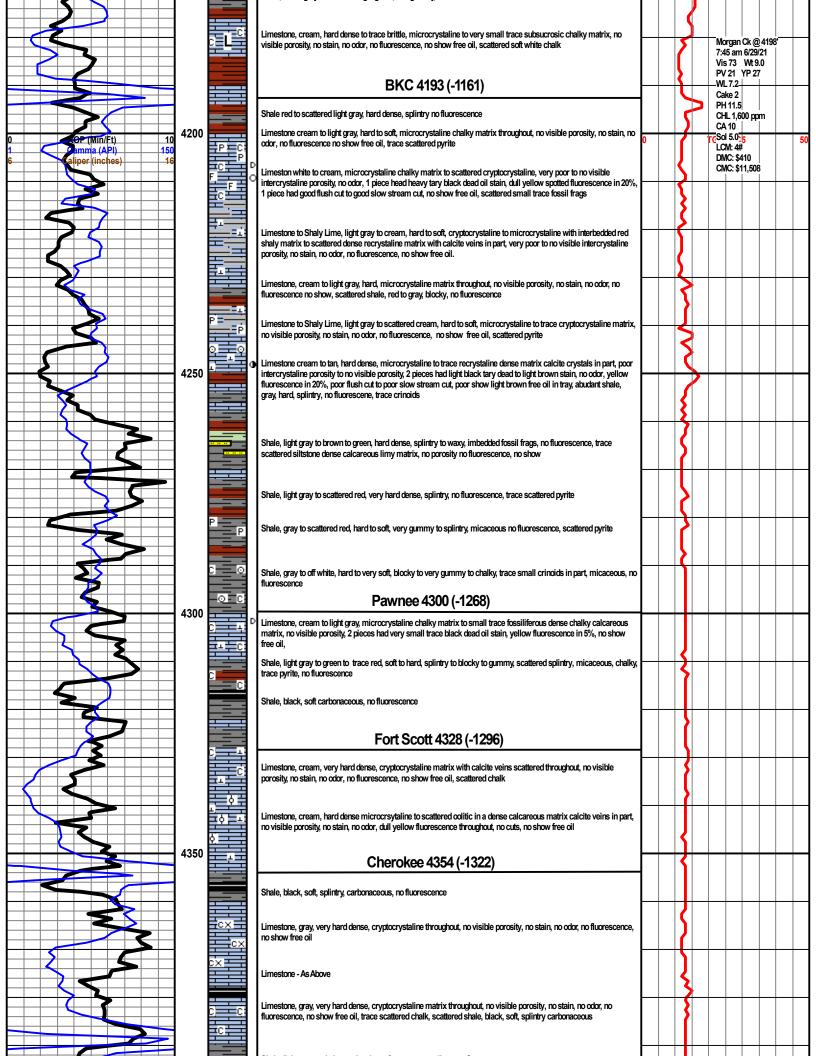
(ON	RILOBITE	DRILL STEM TEST REPORT							
SHE ST		Black Oak Exploration, LLC		33/3s/32w Rawlins KS					
	ESTING , INC	1474 S ST Paul St Denver, CO 80210		Walker #1-33 Job Ticket: 67025 DST#:1					
N		ATTN: Clayton Camozzi				21.06.27 @			
19 - 54.									
GENERAL	INFORMATION:								
Formation:	Lans. "D"	6 (VD)		Test	Tunai		Detters Li	ale (Initial)	
Deviated: Time Tool One	No Whipstock: ened: 22:24:21	ft (KB)		Test Type: Conventional Bottom Hole (Tester: James Winder				pie (initial)	
-	ded: 03:50:21			Unit		3	61		
nterval:	3918.00 ft (KB) To 40	016.00 ft (KB) (TVD)		Refe	erence Elev	vations:	3032.00) ft (KB)	
Total Depth:	4016.00 ft (KB) (T) ft (CF)	
lole Diameter	7.88 inchesHole	e Condition: Fair			KB to	GR/CF:	5.00) ft	
Serial #: 6	6771 Inside								
ress@RunD		@ 3919.00 ft (KB)		Capacity:			8000.00) psig	
Start Date:	2021.06.27	End Date:	2021.06.28	Last Calib		:	2021.06.28		
Start Time:	20:26:01	End Time:	03:50:21	Time On E		021.06.27 (-		
				Time Off B	Btm: 2	021.06.28 (@ 01:57:06	5	
IEST COM	IMENT: 30 - IF: 1/2" Blow 60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow	back illt to 3 1/4"							
TEST COM	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back				E SUMM	ARY		
	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow	back iilt to 3 1/4" / back	Time			E SUMM			
	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back	•• (Min.)	PR Pressure (psig)	RESSUR Temp (deg F)	Annotatio	n		
E	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back	•• (Min.) 0	Pressure (psig) 1951.19	RESSUR Temp (deg F) 112.59	Annotatio	on o-static		
7000	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back	••• (Min.) ••• 0 ••• 1	PR Pressure (psig) 1951.19 22.78	ESSUR Temp (deg F) 112.59 112.30	Annotatio Initial Hydro Open To Fl	on o-static low (1)		
2000	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back	•• (Min.) 0	Pressure (psig) 1951.19	Temp (deg F) 112.59 112.30 116.88	Annotatio	on o-static low (1)		
2000 1/70 1/00	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back iilt to 3 1/4" / back Sime org Temperature	• (Min.) • 0 • 1 • 31 • 91 • 92	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static low (1) n(1)		
2000 1/70 1/00	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back uilt to 3 1/4" v back	• (Min.) • 0 • 1 • 31 • 91 • 92	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37	Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50	Annotation Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2)		
2000	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back iilt to 3 1/4" / back Sime org Temperature	 (Min.) 0 1 31 91 92 121 213 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
2000 1780 1790	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back iilt to 3 1/4" / back Sime org Temperature	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2) n(2)		
2000 1780 1790	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back iilt to 3 1/4" / back Sime org Temperature	 (Min.) 0 1 31 91 92 121 213 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
2000 170 17	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. 1	back iilt to 3 1/4" / back Sime org Temperature	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. T	back iilt to 3 1/4" v back Sime or Finance v back	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
3000 1779 7530 7530 7530 7530 7530 7530 7530 7530	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. T	back iilt to 3 1/4" / back Sime org Temperature	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.69 120.50 120.33	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. T	back iilt to 3 1/4" v back Sime or Finance v back	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.69 120.50 120.33 119.89	Annotation Initial Hydro Open To Fil Shut-In(1) End Shut-In Open To Fil Shut-In(2) End Shut-In	on o-static low (1) n(1) low (2) n(2)		
	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. T	back iilt to 3 1/4" v back Sime or Finance v back	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	ESSUR Temp (deg F) 112.59 112.30 116.88 117.69 120.50 120.33 119.89	Annotation Open To Fil Shut-In(1) End Shut-Ir Open To Fil Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static	Gas Rate (Mct/d)	
1000 1730 1740	60 - ISI: No blow 30 - FF: Blow bu 90 - FSI: No blow Pressure vs. T	back iilt to 3 1/4" v back Sime or the second of the s	 (Min.) 0 1 31 91 92 121 213 214 	Pressure (psig) 1951.19 22.78 94.86 1246.35 100.98 142.37 1245.11	RESSUR Temp (deg F) 112.59 112.30 116.88 117.48 117.48 117.69 120.50 120.33 119.89 Gas	Annotation Open To Fil Shut-In(1) End Shut-Ir Open To Fil Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static	Gas Rate (Mct/d)	

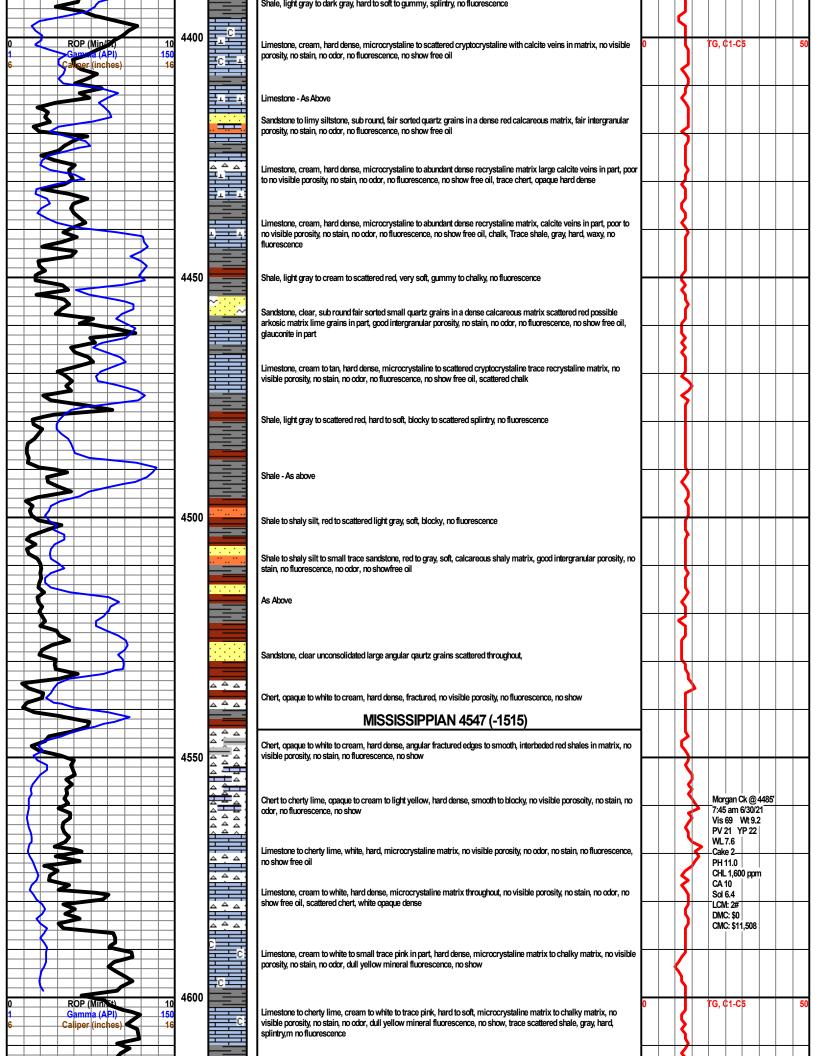
	DRILL STEM TEST REPORT						
	Black Oak Exploration, LLC	33/3s/32	33/3s/32w Rawlins KS				
TESTING , INC	1474 S ST Paul St Denver, CO 80210		Walker #1-33				
	ATTN: Clayton Camozzi		Job Ticke Test Star	: 67526 : 2021.06.28@	DST#: 2 0 15:01:00		
GENERAL INFORMATION:							
Formation:Lans. "F - H"Deviated:NoWhipstock:Time Tool Opened:16:46:36Time Test Ended:20:22:36		Test Type Tester: Unit No:	e: Conventional Bottom Hole (Rese James Winder/ Justin 73				
Interval: 4012.00 ft (KB) To 408 Total Depth: 4086.00 ft (KB) (TVI 408 Hole Diameter: 7.88 inches Hole (KB) 408	D)			e Elevations: KB to GR/CF:	3032.00 ft (KB) 3027.00 ft (CF) 5.00 ft		
Serial #: 6771InsidePress@RunDepth:21.15 psig @Start Date:2021.06.28Start Time:15:01:01TEST COMMENT:20 - IF: Blow built f45 - ISI: No blow ball10 - FF: No blow	End Date: End Time: to 1/8", died back to w eak surface	2021.06.28 20:22:36 e blow	Capacity: Last Calib.: Time On Btm Time Off Btm:	2021.06.28 2021.06.28			
30 - FSI: No blow Pressure vs. Tin	PRESSURE SUMMARY						
	Timpendar Timpendar	Time (Min.) 0 1 21 65 66 76 107 108	Pressure Ter (psig) (deg 2026.51 111 17.47 111 18.94 113 598.32 113 20.31 113 21.15 114 355.34 114	np Annotatio	on o-static flow (1) In(1) flow (2) In(2)		
Recovery	Gas Rates						
Length (ft) Description 15.00 Mud 100%	Volume (bbl) 0.07		CI	oke (inches) Pressu	ure (psig) Gas Rate (Mct/d)		











	Shale, gray to maroon, hard, splintry to small trace blocky, very waxy, no fluorescence	3			
	Limestone, cream to white to small trace pink, very hard dense, microcrystaline to cryptocrystaline matrix, no visisble porosity, no stain, no odor, no fluorescence, no show		CFS@4	1630'	
	TD @ 4630' - 6:20PM CDT				