

Kansas Corporation Commission Oil & Gas Conservation Division

1096915

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	76		API No. 15 - 15-163-24037-00-00					
Name: Black Diamond (Spot Description:					
Address 1: PO BOX 641			N2 NW NW NW Sec. 27 Twp. 8 S. R. 19 ☐ East 🗹 West					
Address 2:								
City: HAYS	State: KS Zi	p:_67601+_0641	330 Feet from East / West Line of Section					
Contact Person: Kenneth Ve			Footages Calculated from Nearest Outside Section Corner:					
Phone: () 625-589	1		□NE ☑NW □SE □SW					
CONTRACTOR: License #_3			County: Rooks					
Name: WW Drilling, LLC			Lease Name: Well #: 1					
Wellsite Geologist: Herb Dein	es		Field Name: Webster					
Purchaser: Coffeyville Reso	urces		Producing Formation: Arbuckle					
Designate Type of Completion	:		Elevation: Ground: 1995 Kelly Bushing: 2000					
✓ New Well	Re-Entry	Workover	Total Depth: 3432 Plug Back Total Depth:					
☑ ☐ wsw	□ swd		Amount of Surface Pipe Set and Cemented at: 216 Feet					
Gas D&A	☐ ENHR	☐ sigw	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No					
☐ OG	☐ gsw	Temp. Abd.	If yes, show depth set: Feet					
CM (Coal Bed Methane)			If Alternate II completion, cement circulated from: 3432					
Cathodic Dother	Core, Expl., etc.):		feet depth to: 0 w/ 520 sx cmt					
If Workover/Re-entry: Old Wel	I Info as follows:		SX OIII					
Operator:								
Well Name:		· u	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)					
Original Comp. Date:	Original To	otal Depth:	4000 500					
Deepening Re-	perf. Conv. to	ENHR Conv. to SWD	•••					
	Conv. to	GSW	Dewatering method used: Hauled to Disposal					
Plug Back:	Plu	g Back Total Depth	Location of fluid disposal if hauled offsite:					
Commingled	Permit #:		Operator Name: Black Diamond Oil, Inc.					
Dual Completion	Permit #:		Lease Name: Vehige SWD License #: 7076					
SWD	Permit #:							
☐ ENHR	Permit #:		Quarter SW Sec. 33 Twp. 7 S. R. 20 East West					
☐ GSW	Permit #:		County: Rooks Permit #: D-23315					
05/30/2012 06/0	2/2012	06/03/2012						
Spud Date or Date Recompletion Date	Reached TD	Completion Date or Recompletion Date						

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
☑ Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I I III Approved by: Dearma Garrisor Date: 10/25/2012

Side Two



Operator Name: Black	k Diamond Oil, I	nc.		Lease I	Name: _	Maxine		Well #:1_		
Sec. 27 Twp.8	s. _{R.} <u>19</u>	East	✓ West	County	Rook	(S				
instructions: Show time tool open and clos recovery, and flow rates line Logs surveyed. Att	ed, flowing and shu if gas to surface te	t-in press st, along	ures, whether si with final chart(s	hut-in pres	sure read	ched static level,	hydrostatic pre	essures, bottom h	nole temp	erature, fluid
Drill Stem Tests Taken (Attach Additional Sh	neets)	₹ Y	es No		 ✓L	og Formatio	n (Top), Depth	and Datum		Sample
•	•		[7]N-		Nam			Тор		Datum
Samples Sent to Geolo Cores Taken	gicai Survey	□ Y □ Y			Anhyd			1410		87 205
Electric Log Run		✓ Y			Topek			2932 3141		144 144
Electric Log Submitted (If no, Submit Copy)	Electronically	√ Y	es No		Heebr Lansir			3182		185
					Arbuc	•		3428		431
List All E. Logs Run:					Albuo	100			•	
Micro										
		Rep		RECORD	✓ Ne	ew Used	ion, etc.			
Purpose of String	Size Hole Drilled	Si	ze Casing	Weig Lbs.	ght	Setting	Type of Cement	# Sacks Used		and Percent
Surface Pipe	12.25	8.625	t (In O.D.)	23	/ Fl.	216.15	Common	170		2% gel
Production String	7.875	5.5		15.5		3431	QMD	520	.25 # F	LOW
			ADDITIONAL	. CEMENTII	NG / SQL	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type an	d Percent Additives	1	
Protect Casing Plug Back TD	-									
Plug Off Zone	-									
						I				T
Shots Per Foot			RD - Bridge Plug Each Interval Per				cture, Shot, Cem mount and Kind of	ent Squeeze Recor Material Used)	rd	Depth
							-			
TUBING RECORD:	Size: 7/8	Set At 3407	!	Packer A	t:	Liner Run:	Yes ✓ I	٧o		
Date of First, Resumed P 07/16/2012	roduction, SWD or EN	HR.	Producing Meth	hod: Pumpin	ıg 🗌	Gas Lift 🔲 🔾	Other (Explain)			
Estimated Production Per 24 Hours	Oil 5	Bbls.	Gas 0	Mcf	Wat	er B	bls.	Gas-Oil Ratio		Gravity
DISPOSITION	_		_	ИETHOD OF ☐ Perf.			nmingled	PRODUCTION	ON INTER	VAL:
✓ Vented Sold (If vented, Subn	Used on Lease			reil.	(Submit		mit ACO-4)	3431-34		
I STATE OF THE PARTY OF THE PAR			Other (Specify)				-			

API # 15-163-24037-00-00 Operator: Black Diamond Oil, Inc. Well Name & No: Maxine #1 Location: 80' FNL & 330' FWL County: Rooks State: Kansas 6 Contractor: WW Drilling, LLC Tool Pusher: John Mayers 785-259-4392 Rig No.: Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-6941 Drill Collars: Spud 5/30/2012 @ 12:45 pm Liner & Stroke: 6 x 14 Make Pump: National K-380 KB Hole Complete: 6/2/2012 @8:45 PM 3450 Elevation: 1997 1992 K.B. Approx. TD: Andy"s Water Pond Mud Engineer: Ken Rupp Mud Co.: 05/31/12 06/01/12 06/02/12 06/03/12 06/04/12 05/30/12 Date 5-TIH w/bit 6-done 3-drlg 4-drig Days 1-spud 2-drlg 3068 311 2271 3432 Depth 364 311 1960 797 Ft. Cut D.T. 8-woc 3/4-bit trip 4-pump D.T. 10.25 10.75 C.T. 25,000 35,000 38,000 38,000 Bit Wt. all 85 RPM 100 90 85 85 Pressure 450 500 750 800 850 60 60 60 60 60 SPM 7576 8978 8561 Mud Cost 9.2 Mud Wt. 8.7 9 9.1 61 28 30 59 Viscosity Water Loss 7.6 Chlorides 1000 2# 2# L.C.M. 3/4 @ 216 1 @ 3432 Dev. Sur Dev. Sur 2430 2106 1701 1458 1377 2650 Fuel full full Water-Pit full 2' 57.25 25.5 44 3.5 ACC Bit Hrs. sh-lm sh-lm sd-sh sd-sh sd-sh Formation cloudy Weather clear clear ptly clay ptly cldy Cum Hrs. Bit Cond Serial # Tops Ft. Hrs. Out No. Size Type RR BR 1549 5.25 5.25 216 12 1/4 Smith 216 1 PX 3203 **ROP - 54.9** 62.5 New 3432 3216 57.25 2 7 7/8 Sm - F-27 3 4 PLUG DOWN DRILLED OUT REMARKS SACKS CEMENT MATERIAL DEPTH SIZE Allied Cem. Did circulate 170 Common, 3% cc, 2% gel 7:30 PM 3:30 AM 216 8 5/8 Quality Cem. Did Circulate 3:45 PM QMD 5 1/2 550 2432 RECOVERY SHUT OPEN SHUT INTERVAL **OPEN** NO 1 2 3 4 5 6 7 8 9

Surface Casing Furnished by: Midwest, Milden delivered 5 joints 23#, 8 5/8 tally 209.15 set @ 215'
Remarks: Strap & weld surface by WW, Anhydrite 1411-1443', Displaced @ 2687 (580 Bbls), Short trip 41 stands @ 3432' (2.25 Hrs), Log by Superior LTD 3432' (4 Hrs), Ran 82 joints 15.5# 5 1/2 casing Set @ 3431' (cut off), Release rig @ 5:45 PM on 6/3/2012.

ALLIED OIL & GAS SERVICES, LLC 053624

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT:

<u>Great Bend</u> Ks

DATE SIBUR	SEC.	TWP.	RANGE 19w	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
				7		COUNTY	STATE
LEASE Maxine			LOCATION Zwick	Inorth East S	south into	1CODES	Kansas
OLD OR NEW (C	ircle one)					_}	
CONTRACTOR	Ju. Deil	ling Rist	‡ <u>L</u>	OWNER	4-1-N 1917-11-11-11-11-11-11-11-11-11-11-11-11-1		
HOLE SIZE 12		т.		CEMENT			
CASING SIZE &		T.D	РТН 214 - <i>I</i> S		DERED 170 s		
TUBING SIZE	<i>3/ A</i>		PTH	_ X%. / /	2 % gel	x Cless A	
DRILL PIPE 47	,		PTH	076 0.0	2 10 501	· · · · · · · · · · · · · · · · · · ·	
TOOL	<u></u>		PTH				
PRES. MAX			NIMUM	COMMON	170	@ 14.25	2.762.5
MEAS, LINE			DE JOINT	POZMIX			
CEMENT LEFT I	N CSG. //			GEL	3	@ 21-25	43. 25
PERFS.		< \J		CHLORIDE_	6		349-39
DISPLACEMENT	r 12.80	DOIS	Fresh wood	ASC	-	@	-
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	EQU	JIPMENT					
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PUMP TRUCK			tn C.				
#224	HELPER	Jun P					
BULK TRUCK							
# 378	DRIVER	Kenhu	<u> </u>			@	
BULK TRUCK						@	
#	DRIVER			- HANDLING	183.49	@ 2116	385, 35
				MILEAGE _	8.37 x 65 x		1.278 51
	RE	MARKS:				TOTA	∟ <u>ሃ/837. ^ሚ</u>
					SERV	'ICE	
	Cemen	- 100		DEPTH OF I	OB 214		
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Plus	· Davis	7:70	<u>ρ</u> Δ	MILEAGE	HUM 6	5 @ 7.00	- - 733; 2 2
				MANIFOLD			
				— MANICOLD	Lum 6	5 @ 4.00	260.00
						@	
CHARGE TO:	Slack Du	<u> </u>	I Inc			TOTA	L /840.00
STREET			ZIP	<u>—</u>			
CIII	3	1/1/L	Dix	_	PLUG & FLO.	AT EQUIPME	INT
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m +111 -1 Oil	e. C C	-vince III	^			@	
To: Allied Oil	& Gas Ser	vices, LL	U.			@	
You are hereby	requested	to rent co	ementing equipmen	(@	
and furnish cer	menter and	l helper(s)	to assist owner or				
contractor to d	o work as	is listed.	The above work wa	ıs		TOTA	AL
done to satisfa	ction and s	supervisio	n of owner agent or	•			
contractor. I h	ave read a	nd unders	tand the "GENERA	L	/ /16 A =		
TERMS AND	CONDITI	ONS" list	ed on the reverse si	A SALES IAZ	(H Aby)	.a 28	
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		ì	' Thank Y	ou '			
			,	- · •			

QUALITY OILWELL CEME'TING, INC.

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 673

Sec.	Twp. Range	County	State	On Location	Finish
Date/	8 19	Property.	83		345m
	Well No./	Location 7,	3 2 · for 12		
Contractor (4) (4) -4-4		Owne	r		
<i>P</i> ₁		To Qu	ality Oilwell Cementing, In	nc.	nt and furnish
Type Job	T.D	You a	re hereby requested to rer nter and helper to assist o	nt cementing equipme wher or contractor to (do work as listed.
Hole Size	Depth 💢 🖒		Je Alexander		
	Depth	Stree			
Togl. Size	Depth	City		State	
Tool Cement Left in Csg. 4/4/4/1	Shoe Joint		bove was done to satisfaction		er agent or contracto
	Displace 2		ent Amount Ordered		
Meas Line EQUIF	PMENT	/ Tomicha and			
No Cemente		Com	mon		
Pumptrk No. Driver		Poz.			
Bulktrk Driver		Gel.			
Bulktrk / Driver 4/4/	S & REMARKS	Calci	um		
Remarks:		Hulls			
Rat Hole 🖫 🔗		Salt			
Mouse Hole		Flow	seal		
Centralizers		Kol-S	Seal		
Baskets		Mud	CLR 48		
D/V or Port Collar		CFL-	117 or CD110 CAF 38		
	S 111	Sano	1		
	.,	· leas y Hand	dling		
Walter William & Darrage	Lie Resholt	Milea	age '		
The recovery which	2-1,0-11 1 1 Kg	in Price	FLOAT EQUI	PMENT	
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	and the same of th	Late	n Down :		

the second second		Pum	ptrk Charge		
	1643/135 S	Mile	age		
1 4	Langley Y			T;	ax
	11/			Discou	nt
X Signature	3.25			Total Charg	ge

BLACK DIAMOND OIL, INC Address: PO BOX 641 HAYS, KANSAS 67601 Contact Geologist: Contact Phone Nbr: KEN VEHIGE 785-625-5891 MAXINE # 1 N2 NW NW NW Well Name: 15-163-24,037-00-00 WEBSTER Location: Pool: API: IN FIELD Field: State: Kansas Country: Scale 1:240 Imperial Well Name: MAXINE # 1 Surface Location: N2 NW NW NW **Bottom Location:** 15-163-24,037-00-00 API: License Number: 7076 5/30/2012 ROOKS COUNTY 2/2/2011 Spud Date: Time: 11:00 PM Region: Drilling Completed: Surface Coordinates: Time: 5:50 PM Bottom Hole Coordinates: Ground Elevation: 1992.00ft 1997.00ft 0.00ft K.B. Elevation: Logged Interval: Total Depth: To: 0.00ft 0.00ft ARBUCKLE Drilling Fluid Type: Chemical/Fresh Water Gel SURFACE CO-ORDINATES Well Type: Longitude: N/S Co-ord: E/W Co-ord: Vertical Latitude: LOGGED BY U SOLUTIONS CONSULTING Company: 108 W 35TH HAYS, KS 67601 Address: (785) 639-1337 Geologist Phone Nbr: Name: HERB DEINES Logged By: CONTRACTOR WW DRILLING, LLC Contractor: Rig #: Rig Type: Spud Date: TD Date: MUD ROTARY 5/30/2012 11:00 PM Time: 2/2/2011 Time: 5:50 PM Rig Release: Time: **ELEVATIONS** K.B. Elevation: 1997.00ft Ground Elevation: 1992.00ft K.B. to Ground: 5.00ft NOTES **ROCK TYPES** shale, gm Carbon Sh Dolorim Lmst fw<7 Dolsec Lmst fw7> Shgy **ACCESSORIES** FOSSIL MINERAL P Pyrite
Varicolored chert
Chert White OTHER SYMBOLS D\$T ■ DST Int ■ DST alt Printed by GEOstrip VC Striptog version 4.0.7.0 (www.grsi.ca)

Curve Track #3 Curve Track #1 ROP (min/ft) Depth | Intervals Oil Show DST Geological Descriptions

OPERATOR

<u> </u>	1:240 Imperial 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			1:240 (mperial
``````````````````````````````````````	ROP (min/ft) 6 2800		1' DRILL TIME FROM 2800'-RTD	
5	2810		10' WET AND DRY SAMPLES 2850'-RTD	
: : / <b>e</b> e		<b></b>	ANHYDRITE TOP SPL 1410+587 ANHYDRITE BASE SPL 1443+554	
	2820		Lime, it-med brn-grayish brn, fnxln, microfossiliferous	DISPLACE 2750'
	2830	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Shall and any addition	
<u> </u>	2840		Shale, med gray, soft blocky	
		- 1	Lime, it-med brn-grayish brn, fn-vfxln, slightly fossiliferous	
	2850			
	2860			
	2870	2012/2010 - 2012/2010 2012/2010 - 2012/2010	Shale, It-med gray, soft blocky	ı
12			Lime, brn-grayish brn, fnxin wilh chalk, trashy	
	2880			
	2890	- Superior	Lime, gray, fnxln, shaley	
ليني ا	2900	d and the second	Lime, brn-gray, fnxln, chalk in part	
	2900	8 (3) / 19		
	2910	endersoner der geseller	Lime, brn-gray, chalky, slightly fossiliferous	
	2920	Contraction of the Contraction		
			Shale, It-med gray, soft blocky-forming soft mud balls, pyritic	
	2930		TOPEKA SPL 2932-935	
	2940	to de la constante de la const	Lime, it brn, fnxin, microfossiis, spicules	
	2950		Lime, med brn-gray, fnxin, bedded chalk in part	
	}		Lime, II-med brn-grayish brn, fnxln, bedded chalk in part	
	2960	× 31 × 24 (9)		
2	2970	- Augustus	Lime, Il-med brn, fnxin, soft on crush, bedded chalk in part	
	2980	50,000		
¥		Sign Section (1975)	Shale, dove gray, forming soft mud balls-soft blocky	
[. 1. 5.]	2990	richings disagnodos	Lime, It-med bro, fn-vfxln, bedded chalk in part	
	5 3000 s	**************************************	Lime, It-med brn, fn-vfxln, slightly fossiliferous, bedded chalk in part	
	3010		Lime, It-med brn, fnxin-granular in part, slightly fossiliferous	
	5	and angermany who is and my thing a thing are though alternate about and angermany alternate		
	3020		Lime, It-med brn-grayish brn, fnxtn-granular in part, slight chalk	
	3030		Shale, gray-black carbonaceous, blocky	
		i di selemberak angeleben i di di sejerok angeleben i di di sejerok angeleben i di sejerok angeleben	Lime, It-med brn, fixin, slightly fossiliferous	
	3040			
	3050	producegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibusegonibus	Lime, crm-lt brn, mostly fnxln, microfossiliferous	
4	3060		Lime, It-med brn, mostly frixin, light bedded chalk in part	
	- -	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	3070		Lime, It-med brn, fnxln	
	3080		Shale, gray-black carbonaceous	MUD CHECK 308 WT 8.9
		A p 1 cq 1	Lime, It-med brn-grayish brn, mostly fnxln w some vfxln brn lime	VIS 60 pH 11.0
2	3100 3110 3110 3120		E-rio, ichiad umegiayisii um, mosiiy mxiri w some vixin bin ilme	WL 7.6 CHLORIDES1000p m
	3100		Lime, It-med brn-grayish brn, fnxln	CALCIUM 60 ppm LCM 2#
	3110			
<	<b>\</b>	\$ \$ \$ a	Lime, it-med brn, mostly finxln with few pcs colltic-fossil fragments with scattered stain in intercolitic/fossiliferous porosity, NFO, no odor. Wells on structurally high placures phould feet this zero.	
	3120	4 , 3 , 1 .	on structurally high closures should test this zone.	
	3130		Lime, It-med brn, fnxln, scattered fossil fragments-crinoids.	

1112 ::::::::::::::::::::::::::::::::::	<u> </u>		}		
<u> </u>	3140		i	Lime, crm-tan, fn-vfxin	
	73140			HEEBNER SHALE SPL 3141-1144 Shale, black carbonaceous	
	3150			Lime, med brn, fn-vfxln	
2	F			Shale, It green, soft blocky	
	3160			·	
	Ė			TORONTO SPL 3166-1169	
	3170			Lime, wht-crm, vfxln with bedded chalk with increasing chalk with depth. NS	
<b>5</b>				110 001 0400 440-	
	3180			LKC SPL 3182-1185	
<b>1</b>	3190		•	Lime, crm, mostly fixin with bedded chalk, few pcs collic with trace of stain, NFO	
=5					
o Risk (min/tt)	3200			Lime, crm-tan, fn-vfxln, light bedded chalk in part, NS	
S B	<b>F</b>			Lime, crm-lt brn,fn-vfxln, light bedded chalk in part	
	3210			сите, ситек отп, печхип, пут реасеа спаж и рак	
<b>1</b> 55	<b>F</b>	**************************************		Shale, few pcs black carbonaceous with It gray calcareous	
2	3220	5	0	Lime, crm, mostly fnxln, few pcs colitic with trace of staining, NFO	
	3230				
	[	* 1		Shale, gray, calcareous with fossil fragments	
	3240		9	Lime, crm-tan, mostly fixlin, few politic pieces with trace of staining,	
D D	E			NFO	
	3250			Shale black carbonaceous with reddish brn shale in part Lime, pale green tint, fixin	
	f	1,1,1	ļ		
	3260		3	Lime, crm-tan,frixin with slight chalk in part, Trace of staining in finely developed pinpoint porosity, NFO, No odor	
	3270			Lime, cm-tan, fnxin with bedded chalk in part	
<b>F</b>	‡			Line, Crimani, intan wan bedded chair in part	
5 G	3280			Lime, crm-tan, frixin with bedded chalk in part, few crinoids segments	
	ŧΙ	-,			
1 3	3290	- 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4		Limb orn to forb grading into area, fault line with for all forwards	
5	3300	· · · · ·		Lime, crm-lan frixin grading into gray, frixin lime with fossil fragments.	
<b>5</b> G	E				
5	3310			Shale, it-med gray, calcareous, fossiliferous in part	
	ŧ l		اد	Lime, crm-tan, mostly fixin, chalk in part, 1 piece with trace of stain	
<b>5</b> H	3320			with vit odor. NFO	
	3330	- Way		Shale, med gray, soft forming mud balls with reddish brn in part	
2	13330			• • • • • • • • • • • • • • • • • • • •	
<u>                                   </u>	3340			Lime, crm-tan,mostly frixln, vit odor but no stain, NFO	
3	[				
	3350			Lime, crm-tan, fnxin, few colitic-fossil fragment pieces, trace of scattered staining, vit odor, NFO	
4 '	-				
	3360	1000			
ا لحي ا	3370	200		Shale, gray-grayish green, soft blocky	
к	F	م المنظمة	- 1	Lime, crm-tan, mostly fixin with combination of solitic and pinpoint	
5	3380			vuggy porosity, trace of live oil, vit odor, scattered staining.	
3	<u> </u>			Shala gray saddish has as f	
3	3390	3000	- 1	Shale, gray, reddish brn soft Lime, crm, vfxln	
0 ROP (min/ft)	3400			BKC SPL 3398-1401	
Trop (minut)	]			Shale, reddish brn, soft to light red wash	
	3410			Lime to be the design of the second of the s	
-	<u> </u>			Lime, It brn, fn-vfxln, microfossiliferous	
2_	3420			REWORK ARBUCKLE 3424-1427	
	3430	The same of the		Mix of fnxln dolomite, colitic chert, shale, trace of free oil, no odor	
CFS 3432	<u> </u>	•		Dolomite, tan,fn-cxln, few pieces with saturated staining in interxln porosity. Too few pieces to detect any odor.	
	3440				
	<u> </u>				
	3450				
L .: 1	<del>-</del>		_		