Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1226184

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
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:, (e.gxxx.xxxxx)
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	Lease Name: Well #:
Designate Type of Completion:	Field Name:
New Well Re-Entry Workover	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:
□ OG □ GSW □ Temp. Abd.	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 ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	Quarter Sec TwpS. R East West County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

			Page Iwo	1226		
Operator Name:			Lease Name:		_ Well #:	_
Sec Twp.	S. R	East West	County:			

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 She	pats)	Yes No	□ L	.og Formatio	on (Top), Depth an	d Datum	Sample
Samples Sent to Geolog		Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		on, 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
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No. skir	o questions 2 an	d 3)
Does the volume of the tota	0		ceed 350,000 gallons			question 3)	

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		0e			ement Squeeze Record	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F		No	
Date of First, Resumed	l Product	ion, SWD or ENH	۲.	Producing I		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSIT		248.			METHOD	OF COMPLE			PRODUCTION INT	
Vented Sole	d 🗌	Used on Lease		Open Hole	Perf.	UP COMPLE Dually (Submit)	Comp.	Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)					

Yes

No

(If No, fill out Page Three of the ACO-1)

Form	ACO1 - Well Completion
Operator	Chisholm Partners II, LLC
Well Name	Chandler 1-1
Doc ID	1226184

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Microresistivity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Chisholm Partners II, LLC
Well Name	Chandler 1-1
Doc ID	1226184

Tops

Name	Тор	Datum
Howard	3205	-994
Topeka	3233	-1022
Oread A	3395	-1184
Oread B	3410	-1199
Heebner	3435	-1224
Toronto	3461	-1250
LKC	3478	-1267
ВКС	3671	-1460

	CHISHOI		
	PARTNER Scale 1:240 Imperial		
Well Name: Surface Location: Bottom Location:	CHANDLER #1-1 SW SW SW Sec. 1 - 6S -22W		
API: License Number: Spud Date:	15-065-24045-00-00 34622 6/3/2014	Time:	2:15 PM
Region: Drilling Completed: Surface Coordinates:	GRAHAM COUNTY KANSAS 6/8/2014 330' FSL & 330' FWL	Time:	5:23 PM
Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2206.00ft 2211.00ft 3100.00ft 3770.00ft OREAD, LANSING-KANSAS CITY Chemical/Fresh Water Gel	To:	3770.00ft
Company: Address:	OPERATOR CHISHOLM PARTNERS II, LLC 1010 10TH ST GOLDEN, CO 80401		
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	RICHARD MCKEE (620) 968-7741 CHANDLER #1-1 SW SW SW Sec. 1 - 6S -22W Kansas	API: Field: Country:	15-065-24045-00-00 ALMENA USA
	SURFACE CO-ORDINATES	;	
Well Type: Longitude: N/S Co-ord: E/W Co-ord:	Vertical -99.7308764 330' FSL 330' FWL	Latitude:	39.5543789
	LOGGED BY		
Company: Address:	BIG CREEK CONSULTING, INC 1909 MAPLE ELLIS, KS 67637		
Phone Nbr: Logged By:	(785) 259-3737 Geologist	Name:	JEFF LAWLER
	CONTRACTOR		
Contractor: Rig #:	WW DRILLING, LLC 6		
Rig Type: Spud Date:	MUD ROTARY 6/3/2014	Time:	2:15 PM

TD Date: 6/8/2014 **Rig Release:** 6/9/2014

Time: Time:

ELEVATIONS

K.B. Elevation: 2211.00ft K.B. to Ground: 5.00ft

Ground Elevation:

2206.00ft

5:23 PM

2:00 PM

NOTES THE CHANDLER #1-1 RAN LOW THROUGH THE ANHYDRITE THEN BEGAN AND CONTINUED TO THICKEN THROUGHOUT. CORRELATION WELL WAS NORTHERN LIGHT'S MARIE #1 IN SECTION 12 - 6S - 33W. ONCE THROUGH GORHAM SAND SECTION A THICK CONGLOMERATE SHALE BENCH WAS ENCOUNTERED. THE MARIE #1 PENETRATED GRANITE WASH BELOW THE GORHAM SAND INDICATING A HIGH BASEMENT RIDGE WITH AN EAST-WEST TREND RESULTING IN THE SPRINGBIRD, MARIE, & BOYS WEST FIELDS SOUTH OF THE CHANDLER #1-1.

DUE TO STRUCTUAL POSITION AND LACK OF ECONOMICAL RECOVERY ON 3 DST'S IT WAS SUGGESTED AND ELECTED TO PLUG AND ABANDON THE CHANDLER #1-1.

> RESPECTFULLY SUBMITTED, JEFF LAWLER

		DST #1 LKC (C _D 3494' - :	8530'			
RILO	DITE	DRILL STEM TI	EST REP	ORT			
		Chisolm Partners II L.L.C		SE	C. 1 - 06	s 22 w./Gr	aham
EST	TING , INC.	1010 TENTH ST.		Ch	andler #	1-1	
		GOLDEN COLORADO 80401		Job	Ticket: 55	288	DST#:1
		ATTN: Jeff Lawler / Richar		Tes	t Start: 20	14.06.06 @ 23:0	00:00
GENERAL INFORMA	TION:						
Formation: L.KC.	"C&D"						
Deviated: No	Whipstock	ft (KB)					tom Hole (Initial)
Time Tool Opened: 02:16:3 Time Test Ended: 06:23:3						3ob Hamel 57	
nterval: 3494.00 ft	t(KB)To 35	30.00 ft (KB) (TVD)		Ref	erence Ee	vations: 2	211.00 ft (KB)
	.00 ft (KB) (TV	D) Condition: Fair			KDA	2 GR/CF:	206.00 ft (CF) 5.00 ft
					KB II	GROF.	5.00 11
	Inside			0			000.00
Press@RunDepth: Start Date:	21.29 psig (2014.06.06	3497.00 ft (KB) End Date:	2014.06.07	Capacity Last Cali			000.00 psig 1.06.07
Start Time:	23:00:01	End Time:	06:23:30	Time On	Btm: 2	2014.06.07 @ 02	2:15:00
				Time Off	Btm: 2	2014.06.07 @ 04	1:40:30
TEST COMMENT: I.F	: - 45 - 1/4" INT	. BLOW W/ NO BUILD					
	6. I - 60 - NO B.E F - 30 - NO B.(EST TOOL	
E.F		DW FLUSHED TOOL @TEN MI	N WAITED 15 MI	I FOR BLOW	/PULLED T	EST TOOL	
F.f F.s	F 30 - NO BL	OW FLUSHED TOOL @TEN MI	N WAITED 15 MIR			EST TOOL	(
E.F	F 30 - NO BL(S.I N/A -	OW FLUSHED TOOL @TEN MI	Time	Pressure	RESSUR Temp		1
F.f F.s	F 30 - NO BL(S.I N/A -	OW FLUSHED TOOL @TEN MI	Time (Min.)	P Pressure (psig)	RESSUR Temp (deg F)	E SUMMARY Annotation	
F.f. F.s.	F 30 - NO BL(S.I N/A -		Time	Pressure	RESSUR Temp (deg F) 102.21	ESUMMARY	itic
F.f F.s	F 30 - NO BL(S.I N/A -		Time (Min.) 2 2 3 3 48	P Pressure (psig) 1658.88 15.24 21.29	RESSUR Temp (deg F) 102.21 101.99 102.32	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1)	itic
F.f. F.s 2009/Hosture 2009	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 48 109	P Pressure (psig) 1658.88 15.24 21.29 564.34	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1)	tic 1)
F.f. F.c	F 30 - NO BL(S.I N/A -		■ Time (Min.) ■ 0 ■ 2 ■ 48 ■ 109 ■ 109	Pressure (psig) 1658.88 15.24 21.29 564.34 23.31	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (tic 1)
F.f F.s 2000/1000um	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 109 109	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
F.f. F.c	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 140 7 3 146	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (tic 1) 2)
F.f. F.c	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
F.f. F.s 2009/Hosture 2009	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 140 7 3 146	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
	F 30 - NO BLO		Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
F.F. F.S.	F 30 - NO BL(S.I N/A -		Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
F.F. F.S.	F 30 - NO BLO		Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77 104.51	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2)	tic 1) 2)
Ength (It)	F 30 - NO BLO S.I N/A - Pressure vs. 19 Pressure vs. 19	DW FLUSHED TOOL @TEN MI	Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77 104.51	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) Final Hydro-sta	itic 1) 2) tic
Ength (R)	F 30 - NO BLO S.I NVA - Pressure vs. 19	DW FLUSHED TOOL @TEN MI	Time (Min.) (Min.) 2 48 109 109 109 140 7	P Pressure (psig) 1658.88 15.24 21.29 564.34 23.31 29.85	RESSUR Temp (deg F) 102.21 101.99 102.32 103.44 103.06 103.77 104.51	E SUMMARY Annotation Initial Hydro-sta Open To Flow (Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) Final Hydro-sta	itic 1) 2) tic

	DST #2 LKC H -	- I 3585' - 3632'
	DRILL STEM TES	ST REPORT
RILOBITE	Chisolm Partners II L.L.C	SEC. 1 - 06 s 22 w./ Graham
ESTING , INC.		Chandler # 1 - 1
	GOLDEN COLORADO 80401	Job Ticket: 55289 DST#:2
	ATTN: Jeff Law ler / Richar	Test Start: 2014.06.07 @ 17:30:00
GENERAL INFORMATION:		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
lime Tool Opened: 20:25:30 lime Test Ended: 23:43:30		Tester: BOB HA MEL Unit No: 67
nterval: 3585.00 ft (KB) To 36		Reference Bevations: 2211.00 ft (KB) 2206.00 ft (CF)
Hole Diameter: 7.88 inchesHole		KB to GR/CF: 5.00 ft
Start Time: 17:30:01	End Time:	23:43:30 Time On Btm: 2014.06.07 @ 20:24:00 Time Off Btm: 2014.06.07 @ 22:08:00
I.S.I 45 - NO B. F.F 15 -NO BL		
I.S.I 45 - NO B. F.F 15 - NO BL F.S.I NVA Pressure va. T	B. DW FLUSHED TOOL @ 5 MIN. THE	EN PULLED TEST
I.S.I 45 - NO B. F.F 15 -NO BL	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY
I.S.I 45 - NO B. F.F 15 - NO BL F.S.I IVA Pressure vs. T		Time Pressure Temp Annotation (Min.) (psig) (deg F) 0 1738.87 105.12 Initial Hydro-static
I.S.I 45 - NO B. F.F 15 - NO BL F.S.I IVA Pressure vs. T		PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (psig) (deg F) Initial Hydro-static 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA Pressure vs. T		PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA Pressure vs. T		PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA Pressure vs. T		PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA		PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2)
I.S.I 45 - NO B. F.F 15 - NO BLO F.S.I IVA	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2)
I.S.I 45 - NO B. F.F 15 - NO B. F.S.I NVA	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2) 104 1707.33 107.86 Final Hydro-static
I.S.I 45 - NO B. F.F 15 - NO B. F.S.I IVA	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2) 104 1707.33 107.86 Final Hydro-static
I.S.I 45 - NO B. F.F 15 - NO B. F.S.I IVA Pressure vs. T The data of the second seco	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2) 104 1707.33 107.86 Final Hydro-static
F.F 15 -NO BLC F.S.I NVA	B. DW FLUSHED TOOL @ 5 MIN. THE	PRESSURE SUMMARY Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1738.87 105.12 Initial Hydro-static 2 31.63 105.89 Open To Flow (1) 46 45.56 107.32 Shut-In(1) 91 709.18 108.24 End Shut-In(1) 92 39.54 108.01 Open To Flow (2) 103 42.76 108.01 Shut-In(2) 104 1707.33 107.86 Final Hydro-static

AIN Town	DRILL STEM TES		ORT				
RILOBITE	Chisolm Partners II L.L.C			C. 1 - 06 s 22 v	v./ Graham		
ESTING , INC.	1010 TENTH ST.			andler # 1 - 1	- 444 (2019) (2019) (2019) (2019)		
	GOLDEN COLORADO			Ticket: 55290	DST#: 3		
	80401 ATTN: Jeff Lawler / Richar			Start: 2014.06.08 @			
-h+v¥.			1031	Start. 2014.00.00 @	<i>j</i> 00.10.00		
GENERAL INFORMATION:							
Formation: Cong. Sand Deviated: No Whipstock: Time Tool Opened: 10:50:00 Time Test Ended: 14:11:00	ft (KB)		Test Test Unit	er: Bob Hamel	al Bottom Hole (Reset)		
Interval: 3700.00 ft (KB) To 37	40.00 ft (KB) (TVD)		Refe	erence Elevations:	2211.00 ft (KB)		
Total Depth: 3740.00 ft (KB) (TV			2206.00 ft (CF)				
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB to GR/CF:	5.00 ft		
Serial #: 8679 Inside							
Press@RunDepth: 20.35 psig Start Date: 2014.06.08	@ 3734.00 ft (KB) End Date:	2014.06.08	Capacity Last Calit		8000.00 psig 1899.12.30		
Start Time: 09:15:00	End Time:	14:11:00	Time On I				
			Time Off I	Btm: 2014.06.08	@ 12:38:30		
TEST COMMENT: I.F 30 - 1/4" INT I.S.I60 - NO B.E F.F 10 - FLUSH		LED TOOL					
Pressure vs. T			PF	ESSURE SUMM	ARY		
8570 Pressure	8570 Temperature	Time	Pressure	Temp Annotatio	n		
1750		(Min.) 0	(psig) 1800.09	(deg F) 103.22 Initial Hydr	o-static		
1500		1	16.25	102.67 Open To F			
120		35 98	20.35 24.91	104.07 Shut-In(1)	- (1)		
		98	20.32	105.43 End Shut- 105.44 Open To F			
700	Compensative (deg p)	109	21.99	105.62 Shut-In(2)			
		110	1769.90	106.05 Final Hydr	o-static		
500							
20							
10AM 11AM 12P Sun Jun 2014 Time (Hours)	М 1РМ 2РМ						
Recovery			<u> </u> I	Gas Rates			
Length (ft) Description	Volume (bbl)			ANALYSIS IN APARAMETERS	ure (psig) Gas Rate (Mcf/d)		
5.00 MUD 100%	0.02						
* Recovery from multiple tests	Ref. No: 55290	1		Drinted: 2014.06.09	@ 15:14:50		
Trilobite Testing, Inc	NGI. NU. JJ200			Printed: 2014.06.08	U. FI. U		
	WELL COMPAR	RISON SH	IEET				

													70						-						-			
					NOTHERN LIGHTS OIL COMPANY NOTHERN LIGHTS OIL COMP					PANY			BAIRD O		RITCHIE EXPLOR., INC.													
						MARIE	#1					HEN	RY #1	8			AL	MENA STA	TE BA	NK #1	-1			MIKEL	ARY	#1		
		CHANDI	ER #1-1		N2	NW SW N	W 12	-6-22			1	NE SE NE	12-6	5-22				SE NW SW	NW 1	L-6-22				NE NE SV	N 12-	6-22		
	KB	2211	GL	2206	КВ		2	221			КВ		2	228		_	KB		22	299	_	-	КВ		22	40		
	LOG	TOPS	SAMPL	ETOPS	COMP.C	ARD	D	OG	SM	APL.	GEOR	EPORT	L	OG	SM	PL.	COMP.	CARD	LC)G	SMP	L.	COMP.	CARD	LC	G	SN	MPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CC	DRR.	CO	ORR.	DEPTH	DATUM	CC	ORR.	со	RR.	DEPTH	DATUM	co	RR.	COR	R. D	DEPTH	DATUM	co	RR.	CC	ORR.
ANHYDRITE TOP	1876	335	1876	335	1874	347	-	12	1	12	1883	345	-	10	N	10	1960	339	1.00	4	-	4	1898	342	-	7	-	7
BASE	1909	302	1909	302	1907	314	1	12	(I	12	1915	313	-	11	-	11	1989	310	ł	8		8	1930	310	-2	8	-	8
HOWARD	3206	-995	3202	-991																				-				
TOPEKA	3233	-1022	3235	-1024	3216	-995		27	-	29	3224	-996		26		28	3312	-1013	-	9	- 1	11	3269	-1029	+	7	+	5
OREAD A	3395	-1184	3391	-1180	3369	-1148	-	36	-	32																		
OREAD B	3410	-1199	3408	-1197	3384	-1163	1	36	1	34	Ĵ.																	
HEEBNER	3435	-1224	3436	-1225	3413	-1192	-	32	-	33	3423	-1195		29		30	3508	-1209		15	-	16	3460	-1220	-	4		5
TORONTO	3461	-1250	3461	-1250	3437	-1216		34	-	34	3447	-1219		31	×.	31	3534	-1235	-	15	-	15	3485	-1245	-	5		5
LKC	3479	-1268	3481	-1270	3455	-1234	-	34	-	36	3463	-1235	-	33	-	35	3551	-1252	-	16		18	3501	-1261	-	7	-	9
BKC	3670	-1459	3674	-1463	3646	-1425	-	34	()	38	3654	-1426	-	33	-	37	3740	-1441	-	18		22	3689	-1449	-27	10	-	14
CONG.SAND	3727	-1516	3725	-1514	3694	-1473		43	-	41	3704	-1476	-	40		38	3792	-1493		23	- 2	21						
GRANITE					3712	-1491																						
TOTAL DEPTH	3769	-1558	3770	-1559	3717	-1496	1.2	62	12	63	3731	-1503	100	55		56	3845	-1546	1	12	-	13	3717	-1477	- 20	81	-	82



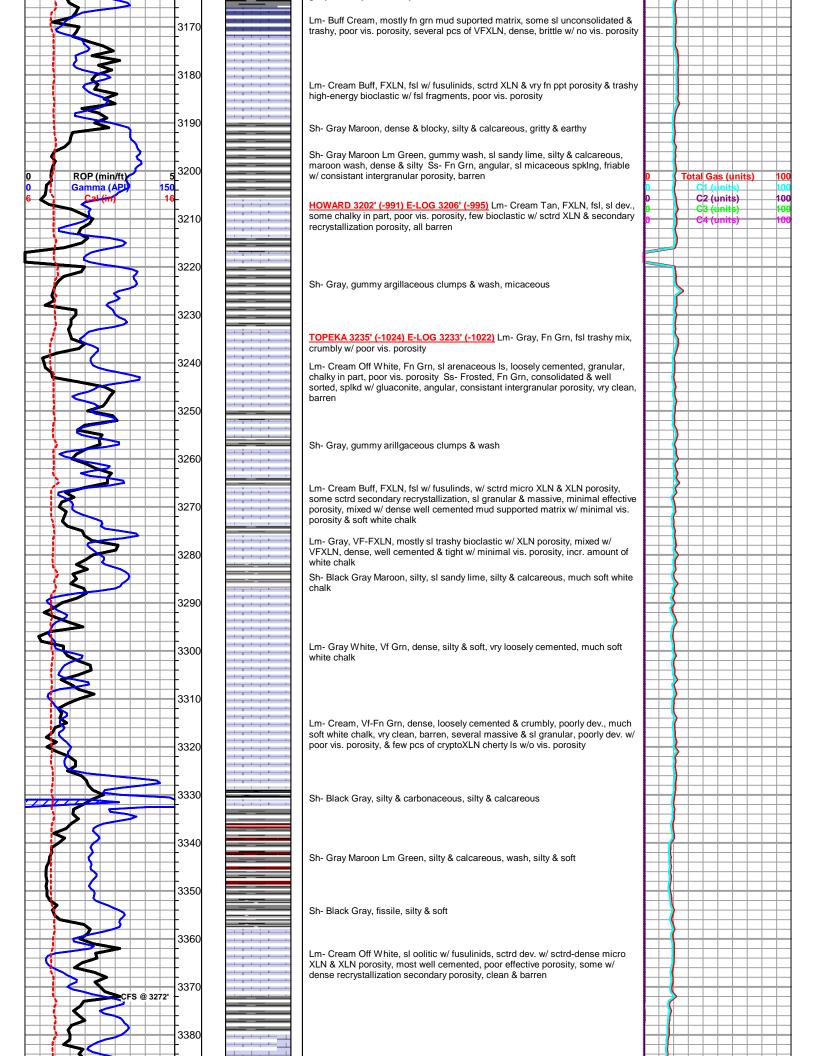
ACCESSORIES

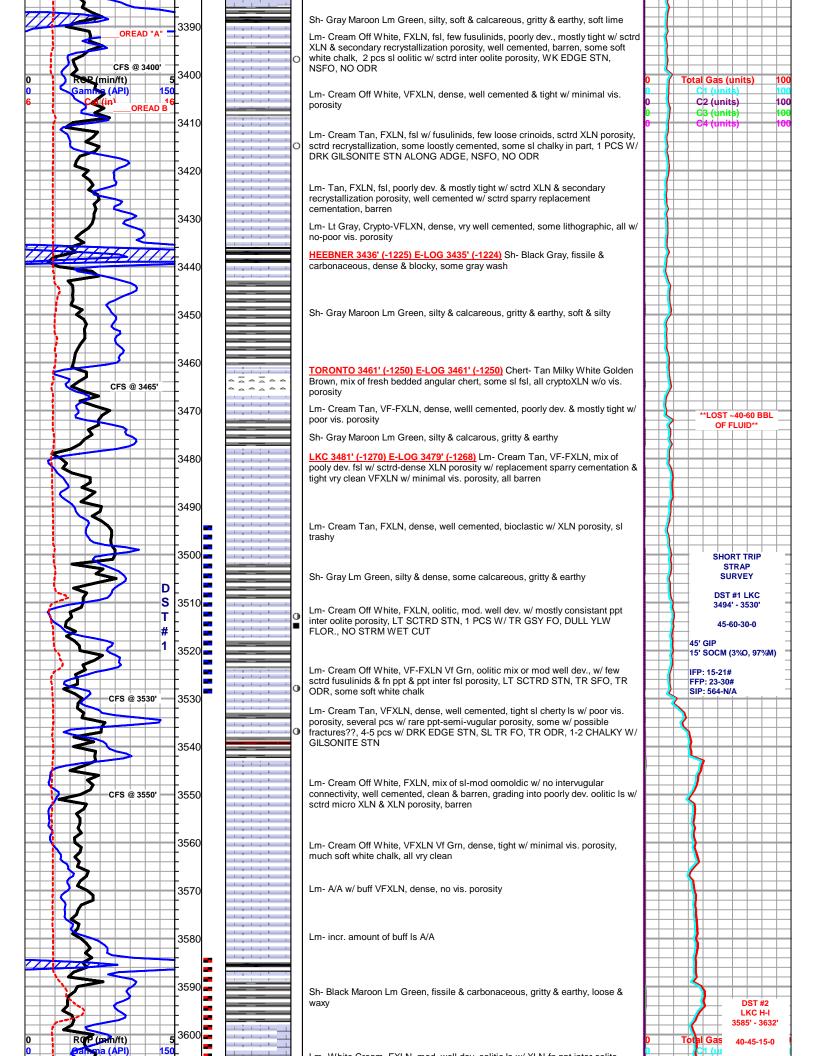
MINERAL

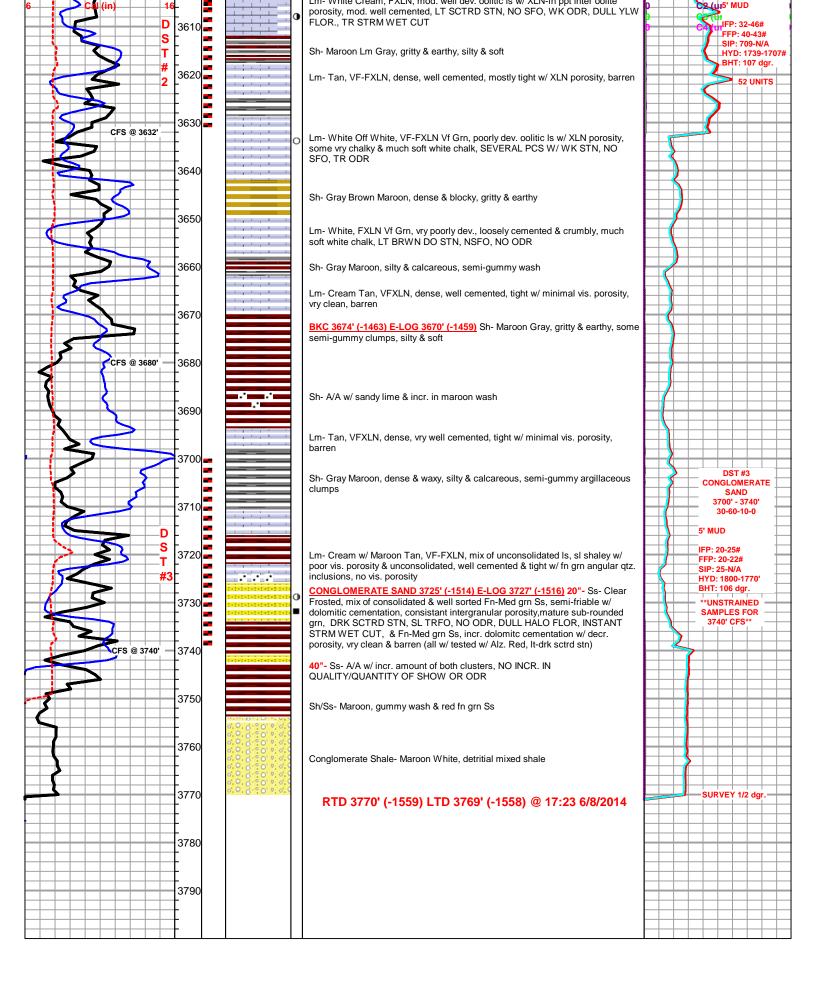
Sandy

OTHER SYMBOLS
DST
DST Int
DST alt
Core
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

ROP (min/th) Gamma (API) Cal (in) gg u to the second s	Curve Track #1				TG, C1 - C5
Gamma (AP) Cal (in) 1240 Imperial 1240 Im	ROP (min/ft)	-			Total Gas (units)
1:240 Imperial 1:240 Imperial 1:240 Imperial 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 1 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 1 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 1 1' DRILL TIME THROUGH ANHYDRITE FROM 3100' - RTD 0 Total Gais (units) 100 0' Gaima (AP) 1' DRILL TIME THROUGH ANHYDRITE FROM 3150' - RTD 0 C2 (units) 100 0' WET/DRY SAMPLES FROM 3150' - RTD 1' DRILL TIME THROUGH SAMPLES FROM 3150' - RTD 0 C4 (units) 100 0 S/8'' SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. 0 0 0 0 0 0 S/8'' SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. 0 0 0 0 0 0 0 HILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 0 HILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) 0 <td< td=""><td></td><td>s B</td><td></td><td></td><td></td></td<>		s B			
1:240 Imperial 1:240 Imperial 1:240 Imperial 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 1 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 0 Total Gais (units) 100 0 Gaima (AP) 55 0 C (units) 100 0 Gaima (AP) 10 WET/DRY SAMPLES FROM 3100' - RTD 0 C (units) 100 0 WET/DRY SAMPLES FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 0 C (units) 100 0 S 5/8'' SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) 0		20			
1:240 Imperial 1:240 Imperial 1:240 Imperial 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 1 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1910' 0 Total Gais (units) 100 0 Gaima (AP) 55 0 C (units) 100 0 Gaima (AP) 10 WET/DRY SAMPLES FROM 3100' - RTD 0 C (units) 100 0 WET/DRY SAMPLES FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 0 C (units) 100 0 S 5/8'' SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) 0	Cal (in)	nte			C2 (units)
1:240 Imperial 1:240 Imperial 1:240 Imperial 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1:240 Imperial 0		 	logi		C3 (units)
1:240 Imperial 1:240 Imperial 1:240 Imperial 1' DRILL TIME THROUGH ANHYDRITE FROM 1850'- 1:240 Imperial 0		ept	ti li		C4 (units)
0 ROP (min/ft) 5 5000 1 0 Gamma (API) f50 1 11' DRILL TIME THROUGH ANHYDRITE FROM 1850' - 1910' 0 Total Gas (units) 100 1 DRILL TIME FROM 3100' - RTD 10' WET/DRY SAMPLES FROM 3150' - RTD 0 C2 (units) 100 3090 3100 3100 4 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. 0 C4 (cmrs) 10 0 Titler'S ANHYDRITE TOP 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 1876' (+335) 0 Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ 10			ן בי ווא	D Geological Descriptions	
Gamma (API) 150 Gamma (API) 150 Gamma (API) 160 Gamma (API) 17 Dill (Inters) 160 GeoLogical Supervision By Jeff Lawler From 3150' - RTD 17 GeoLogical Supervision By Jeff Lawler From 3150' + RTD 18 S/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. 16 DrillLer'S ANHYDRITE DAP 1876' (+335) 1876' (+335) Driller'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity, 16	1:240 Imperial	Cored Interval DST Interval			1:240 Imperial
1910' 1' DRILL TIME FROM 3100' - RTD 1' DRILL TIME FROM 3100' - RTD 10' WET/DRY SAMPLES FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 8 5/8'' SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ minimal vis. porosity Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,					
1' DRILL TIME FROM 3100' - RTD 1' WET/DRY SAMPLES FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 8 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w minimal vis. porosity Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity.					
3090 10' WET/DRY SAMPLES FROM 3150' - RTD GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 3100 3110 3110 3110 3120 3120 3130					0 G3 (units) 100
GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD 8 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ minimal vis. porosity Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		3090			0 C4 (units) 100
3100 8 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ minimal vis. porosity Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,				10' WEI/DRY SAMPLES FROM 3150' - RTD	
3100 8 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr. DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335) DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302) Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ minimal vis. porosity Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		+			
3110 3110 3120 3120 3130 3130 Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		12100		GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD	
3110 3110 3120 3120 3130 The second seco		3100			
3120 3130 3130 The construction of the construction		-		8 5/8" SURFACE PIPE SET @ 217' SURVEY 1/2 dgr.	
3120 3130 3130 The construction of the construction		-			
3120 3130 3130 The construction of the construction		3110	· · · · · ·	DRILLER'S ANHYDRITE TOP 1876' (+335) 1876' (+335)	
Lm- Buff Cream, VF-FXLN, dense, well cemented, poorly dev. & mostly tight w/ minimal vis. porosity		+		DRILLER'S ANHYDRITE BASE 1909' (+302) 1909' (+302)	
minimal vis. porosity					
3130 Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,					
Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		3120			
Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,					
Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		+			
Lm- Cream White, Vf-Fn Grn, dense mud supported matrix w/ poor vis. porosity,		2120	· · · · · · · ·		
		3130			
soft & crumbly		+			
				soft & crumbly	
3140		3140			
		-			
Lm, Cream Off White, FXLN Vf Grn, sl fsl, poorly dev., well cemented, w/ sctrd				I m Cream Off White EXLN Vf Grn sl fsl poorly dev, well cemented w/sctrd	
XLN & secondary recrystallization porosity, barren, incr. amount of white chalk		+			
3150		3150			
		I			
		+			
3160 Sh. Cray Margon I m Croop gummy araillagooyo glumpo gity & polearooyo		3160			
Sh- Gray Maroon Lm Green, gummy argillaceous clumps, silty & calcareous, gritty & earthy, soft & silty		+			







QUALI		LL CEMENTING, INC.
Phone 785-483-2025 Cell 785-324-1041	Home Office P.O	. Box 32 Russell, KS 67665 No. 24
Date 6-3-14 Sec.	Twp. Range	County State On Location G Finish $\mathcal{D}_{\mathcal{A}}$
Lease handlet	Well No.	Decision Hall CITY N DI IS 1 Owner C IS Marticle Marticle 1 Owner C IS Marticle Marticle 1 To Quality Oilwell Cementing, Inc. Inc. Inc.
Contractor N/N/		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job DUTTECE Hole Size	т.р. 217	Charge /
Csg. 6 5 5	Depth $Q/7$	Street DISTOIM DEATHER
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 40	Shoe Joint (H)++	Cement Amount Ordered 15 SK5 30
Meas_Line	Displace 4.5BD	4 <u>CC</u> 270 <u>G</u> E1
EQUIP		Common
Pumptrk / ONO. Cementer / Helper /	not	Poz. Mix
Bulktrk ONO Driver	СИ	
Bulktrk / Chill Driver		
JOB SERVICES	S & HEMANNS	
Remarks:	and the second	Flowseal
Rat Hole		Kol-Seal
Mouse Hole Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
	the second se	Handling
(Mant	d.C	Mileage
	<u> </u>	FLOAT EQUIPMENT
(Cal at a	E al la	Guide Shoe
		Centralizer
	Ahult	Baskets
400	1 44 4	AFU Inserts
	\sim	Float Shoe
	109	Latch Down
	Rolling and Rolling and Rolling	Rumptrk Charge
,		Milêage Tax
	<u></u>	Discount
×		Total Charge
Signature Mark Br	50	

QUALITY GILWELL CEMENTING, INC. Federal Tax 1.D.# 20-2886107

Phone 785-483-202 Cell 785-324-1041	5 [.]	н	ome Offic	e P.O. Bo	ox 32 Russ	ell, KS 67665	No.	045
	Sec.	Twp.	Range		County	State	On Location	Finish
Date 6 9 1 1	1	6	22	Gr.	Nam	KS		12 02 2.11
	<i>-</i>	· · ·	· ·	Locatio	on Ale Carly	16. DD AD	IDF YOU 1	F,170
Lease Chairet	e fil	ſ	Well No./-	1 74	Owner			
Contractor With	#6				You are hereb	well Cementing, Inc by requested to rent	t cementing equipmen	it and furnish
Type Job King	Phig			•		helper to assist ow	vner or contractor to d	o work as listed.
Hole Size		<u>т.р</u>	3>70		Charge To	h. S Miller	Parmer S	
Csg. 4/211	· .	Depth			Street		· · · · · · · · · · · · · · · · · · ·	
Tbg. Size		Depth			City .	<u></u>	State	
Tool		Depth					and supervision of owne	
Cement Left in Csg.		Shoe J	loint		Cement Amou	int Ordered 24c	> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	2 1/4 #130
Meas Line		Displac	ce .					· · · ·
	EQUIP	MENT	· 	·	Common	·	<u> </u>	
Pumptrk / / Help		,			Poz. Mix			
Bulktrk Drive	er /	<u> </u>		·	Gel.			
Bulktrk / 5 No. Drive		/1			Calcium			- ·
JOB S	ERVIĆES	& REMA	ARKS		Hulls	·		
Remarks:				<u> </u>	Salt			
Rat Hole: 3051	<		· ·		Flowseal			· · · · · · · · · · · · · · · · · · ·
Mouse Hole		•			Kol-Seal		· · · · · · · · · · · · · · · · · · ·	
Centralizers					Mud CLR 48	·	· · · · · · · · · · · · · · · · · · ·	
Baskets	· .				CFL-117 or C	D110 CAF 38	<u> </u>	<u></u>
D/V or Port Collar		at the second			Sand		· · · · · · · · · · · · · · · · · · ·	
15- 1895		DEK		<u>.</u>	Handling			
200 1105	10	05K	b		Mileage			
31-270	51	051C				FLOAT EQUIP	MENT	
4+1 4	10	×			Guide Shoe			<u></u>
					Centralizer	· · · ·	<u> </u>	
· · ·		•	100 MA		Baskets			
		en al la calendaria da la c		• ****	AFU Inserts	<u> </u>		
		ann an the second s		N.Ø	Float Shoe	<u>8 8 8 N/</u>	<u> V Vennik I</u>	<u> </u>
		9	•		Latch Down	··· (#3 #3 ***	· · · · · · · · · · · · · · · · · · ·	
					4			
		Maria	V. 9/**V/		N. Comes		<u>//***********************************</u>	
	Corinado		# #	8. S.	Pumptrk Cha	urge.		<u></u>
	**************************************		. <u></u>		Mileage			
		 / •		,		•	Та	×
	/						Discour	nt
X Signature 11. L	an t.	كمحمد سيؤيشين	7	-	· '		Total Charg	e
Ugnature 77. 27	*		<u>v 11. s</u>					

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



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

Shari Feist Albrecht, Chair Jay Scott Emler, Commissioner Pat Apple, Commissioner Sam Brownback, Governor

October 14, 2014

Claire Keneally Chisholm Partners II, LLC 1010 10TH ST GOLDEN, CO 80401

Re: ACO-1 API 15-065-24045-00-00 Chandler 1-1 SW/4 Sec.01-06S-22W Graham County, Kansas

Dear Claire Keneally:

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 06/3/2014 and the ACO-1 was received on October 06, 2014 (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