



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1093799
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1093799

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Beren Corporation
Well Name	Lois 10
Doc ID	1093799

Tops

Name	Top	Datum
Heebner (base)	3878	-2446
Lansing	4182	-2750
KS City (base)	4645	-3213
Pawnee	4737	-3305
Cherokee FM	4787	-3355
Cherokee SND	4810	-3378
Mississippi Chert	4839	-3407
RTD	5100	
LTD	5113	

class arising out of
 formed by BEIS, the
 legal actions or trans-



Energy services, L.P.

TREATMENT REPORT

Customer BRESCO LLC		Lease No.		Date 6-4-12	
Lease Loic		Well # 10			
Field Order # 05898A	Station PRATH	Casing 13 3/8	Depth 295	County BARBER	State KS
Type Job 13 3/8 conductor			Formation T0301	Legal Description 9-35-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
13 3/8			160	SKS 60/40 POZ	12.9	9	
Depth	Depth	From	To	Pre Pad	Max		45 Min.
295			100	SKS Common	3% OIL	1/4	C.F @ 15.6
Volume	Volume	From	To	Pad	Min		10 Min.
43							
Max Press	Max Press	From	To	Frac	Avg		15 Min.
500							
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
SWDS							
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load
280				29-015/P			

Customer Representative EVAN			Station Manager Steve Young			Treater Allen		
Service Units	28443	27463	Steve Young	70959	19918			
Driver Names	Allen Bradley							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00 PM					on Loc. Discuss Safety, Setup Plan Job
5:15					Rig Running 13 3/8" @ 54.50
5:30	200		51	4 1/2	start mix 160 SKS 60/40 POZ
				4 1/2	8% gel, 1/4" C.F. 3% OIL 13"
					start mix 100 SKS common
			22		3% OIL 1/4" C.F @ 15.6
					Finish mix
				4	start DISP.
6:15	300		44	3	Plug down
					shut in @ well
					Release PSF
6:30					Washup Equip
					Rackup Equip.
7:15					Job Complete
					Thanks Allen, Bradley, Steve.
					cmt TO Pit-6-7-BBL

Customer **BEREN CORP.** Lease No. _____ Date **6-12-2012**
 Lease **LOIS** Well # **10**
 Field Order # **06277** Station **PRATT, KS.** Casing **5 1/2"** Depth _____ County **BARBER** State **KS.**
 Type Job **CNW-5 1/2" L.S.** Formation **TD-5100'** Legal Description **9-35-12**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2 x 15.5			CNTT -	50 SK 60/40 P02				5 Min.
Depth 5100'	Depth	From	To	Pre Pad @ 1.80 CUFT ³	Max			10 Min.
Volume 121.38 BBL	Volume	From	To	Pad 200 SK AA-2	Min	55 =	42.63'	15 Min.
Max Press 1500	Max Press	From	To	Frac @ 1.36 CUFT ³	Avg			Annulus Pressure
Well Connection P.C.	Annulus Vol.	From	To		HHP Used			Total Load
Plug Depth 5057.37	Packer Depth	From	To	Flush 120 BBL	Gas Volume			

Customer Representative **EVAN MAYHEW** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	37586	33708	20920	19960	21010	19826	19918
Driver Names	LESLEY	WRIGHT	—	YOUNG	—	MARQUEZ	—

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30 PM					ON LOCATION - SAFETY MEETING
6:00 PM					RUN 119 ITS. 5 1/2" x 15.5" CSG.
					TURBO. - 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
					BASK. - 4, 8 (CIRC. 1/2 WAY IN FOR 30 MIN)
9:45 PM					CSG. ON BOTTOM
9:55 PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
11:25 PM	350		10	6	H ₂ O AHEAD
11:28 PM	350		16	6	MIX 50 SKS. 60/40 P02 @ 12.8 PPG
11:42 PM	200		48.5	10	MIX 200 SKS. AA-2 @ 15.3 PPG
11:50 PM					CLEAR PUMP & LINE - DROP L.D. PLUG
11:54 PM	0		0	7	START DISPLACEMENT
12:04 AM	300		73	6	LIFT PRESSURE
12:10 AM	800		100	5	SLOW RATE
12:15 AM	1500		120	4	PLUG DOWN - HELD
					CIRC. THRU JOB
					PLUG R.H. & M.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY

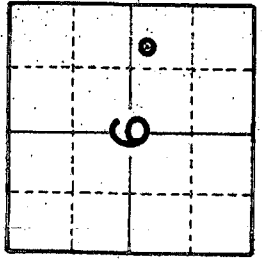
GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY **BEREN CORPORATION**
 CASE **LOIS** NO. **10**
 LOCATION **2302FNL & 9901FWL**
 C. **9** TWP. **35S** RANG. **12W**
 COUNTY **BARBER** STATE **KANSAS**
 FIELD **HARDNER**
 CONTRACTOR **BEREDCO RIG NO. 2**
 MM. **6-4-2012** COMP. **6-12-2012**
 TD. **5100** LTD. **5113**
 of DST'S **NONE** No. of CORES **NONE**
 SAMPLES SAVED FROM **4500** TO **TD**
 DRILLING TIME KEPT FROM **4500** TO **TD**
 SAMPLES EXAMINED FROM **4500** TO **TD**
 GEOLOGICAL SUPERVISION FROM **4500** TO **TD**
 GEOLOGIST ON WELL **EDWIN H. GRIEVES**
 INFORMATION TOPS

FORMATION	SAMPLE	LOG	SUBSET
EROKEE FM	4776	4787	3355
EROKEE SD	4799	4810	3378
MISSISSIPPI CHERT	4829	4838	3406
	5100	5113	

API NO. 15-007-23689



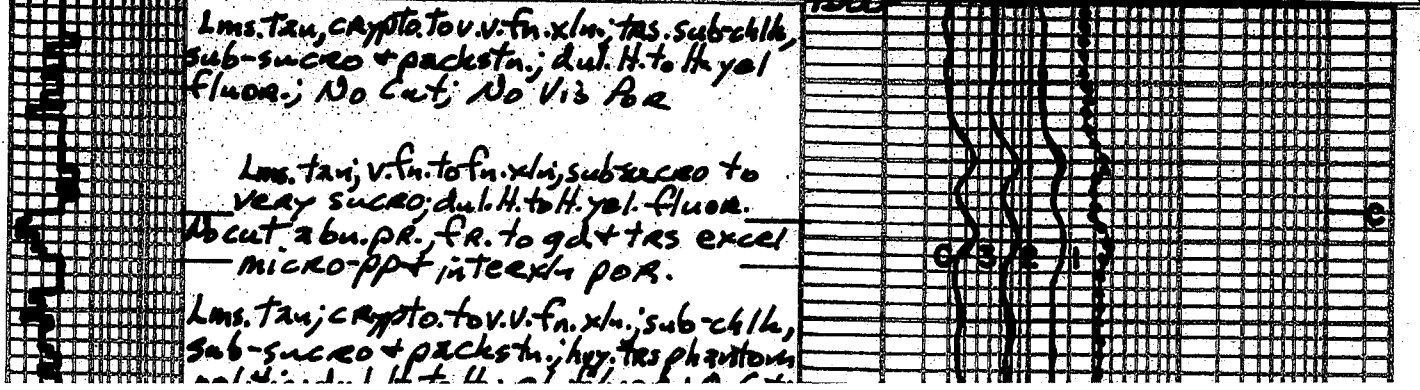
ELEVATIONS
 KB **1419**
 DF **1429**
 GL **1432**
 MEASUREMENTS ARE ALL FROM **KB**
 CASING RECORD
 15/8 OF **300** W/ **5X.**
 OF **W/ 5X.**
 OF **W/ 5X.**
 OF **W/ 5X.**
 EL. LOG **ARINDS GR. DENNEUT-GR-CALIPER. ML.**

REMARKS *Earth-Tech had an unmanned gas detection trailer on this well from 4500 feet to total depth.*

Sample Log Tops are 11 feet high to E-log depths

*Thank you,
Edwin H. Grievess
Geologist*

LITHOLOGY SANDSTONE LIMESTONE SHALE CHERT SLTSTONE DOLOMITE GRANITE WASH ANHY & GYP	CHROMATOGRAPH HOT WIRE BY TOTAL GAS VOLUME	C1 = METHANE C2 = ETHANE C3 = PROPANE C4 = ISOBUTANE C5 = BUTANE C6 = ISOPENTANE C7 = PENTANE
DRILL TIME SCALE 5 10 15	SAMPLE DESCRIPTION	GAS SCALE 10 100 1000



very succro; dul. H. to H. yel. fluoa.
No cut. abn. pr. fr. to gdt + trs excel
micro-ppt interbed por.

Lms. tan; crypto. tov. v. fn. xln.; sub-chlk,
sub-succro + pachstn; hvy. trs phantom
oolitic; dul. H. to H. yel. fluoa.; No Cut;

No Vis Por
4561-65 Sh. v. dk. gray calc + d. dk. gray to
blk - carb.

4565-4570 Sh. med to dk. gray, slt
to extaly calc

4570-75 Lms. trs. wht to cam. chlk
+ tan; crypto. tov. v. fn. xln.; trs wht to tan
fr. to med. calc. slt + f. spn.; abn
phantom oolitic to hvy. trs. oolitic
for hvy. trs. phantom oolitic; sub-chlk
sub-succro to succro; dul. H. to H. yel. fluoa.
No cut; abn. pr. fr. to gdt + trs excel
+ micro-ppt interbed por.

4575-90 Lms. tan, grayish. IP's crypto
to v. u. fn. xln.; trs. sub-chlk + tan
+ pachstn; dul. H. to H. yel. fluoa.; No cut

No Vis Por
4590-4594 Sh. v. dk. gray to blk carb
4594-4615 Lms. similar 4575-4590

Sh. v. dk. gray to blk - carb

Lms. similar 4575-4590

4533-4724 Interbedded Lms + Shs

1. Lms. tan, grayish. IP's to tan greenish
IP's to tan H. green; crypto. tov. v. fn.
xln.; sub-chlk, sub-succro + pachstn; p
dul. H. to H. yel. fluoa.; No cut; No Vis Por

2. Sh. med to dk. gray, greenish IP's to
tan. H. green; slt to v. calc. IP's

4724-30 Sh. med to v. dk. gray to black
- carb

Lms. slt. trs. wht to cam. chlk + tan, grayish IP's
crypto. to v. u. fn. xln.; sub-chlk, sub-succro
to slt. trs. succro., pachstn. + slt. trs.
sub-lithogr.; hvy. trs. phantom oolitic
to tan. oolitic; dul. yel. to yel. fluoa.;
No cut; No Vis Por.

4752-57 Sh. v. dk. gray to blk - carb

4757-68 Lms. similar 4730-4752

4768-4776 Sh. v. dk. gray to blk - carb

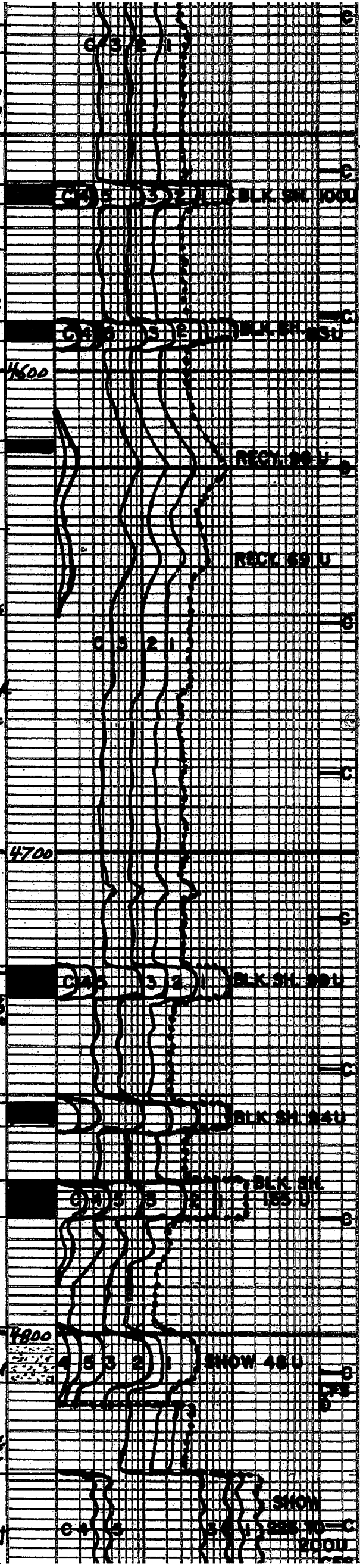
4776-91 Lms. similar 4730-4752
w/ interbedded Lms. H. to med
gray - slt; to extaly shly; crypto
v. u. fn. xln.; sub-chlk, trs. sub-succro
+ pachstn; No fluoa.; No cut
No Vis Por + Shs med to v. dk. gray
slt; to extaly calc. IP's

4799-4810 Siltstn. H. gray - sh. filled IP's
to slt. to tan calc; micro-pigeon IP's
w/ hvy. trs. slt v. u. fn. xln. to slt. H. gray
w/ slt. to tan calc; oil stain; shly

oil oded; slt-filled IP's to slt. to v. calc;
slt. trs. bleaching live oil; slt has dm
glau to tan glau. yel. fluoa. w/ f. spn. + f. spn.
stain cats; slt. trs. v. pr. micro-ppt
por + pach. interbed. pba IP's
v. dk. st. Pdm. For most parts

4810-29 Sh. med to v. dk. gray, greenish IP's
to tan. H. green + tan; slt. to extaly calc IP's
w/ interbedded Lms. tan to H. to med gray - shly
crypto. to v. u. fn. xln.; slt. trs. w/ f. spn.
to blk spid. oil stain; w/ dk. glau
yel. fluoa. w/ stain to tan. staining
cut; slt. trs. v. poor micro-ppt IP's

4829-50 Interbedded Lms + Siltstn + Chert
Lms. tan w/ spid. dk. tan oil stain; crypto xln.



Cuts, silt. tan v. poor micro fossils
 4829-50 Interbedded Lmsts, siltstns + chert
 Lmst tan w/ sptd. dk. tan oil stn; crypto xlu-
 oolites w/ sub-succ. of encrusting material w/ sptd
 dk. tan oil stn, glau. yel. fluo. w/ sptd to
 excel. staining cuts; tan. fatogd. microsp
 port. pass. lot. of small
 i. siltstn. to v. fine. gr. silt. silt.
 H. gray w/ sptd. to even oil stn; dk. l.
 glau. to glau. yel. fluo.; faint to excel.
 staining cuts; silt. tan. pa. microsp. port.
 + pass. in tan. v. poor IP; v. fine. gr.
 chert. 3. tan. to v. 2.6
 chert. 3. tan. to v. 2.6
 tan. to opp. to silt. to
 v. weathered w/ H. to dk. brn
 oil stn w/ sptd. glau. to glau. yel.
 fluo. w/ fatogd. staining cuts
 hvy. tan. to dk. solution for
 chert. increases w/ depth

4850-91 Chert w/ thin Limestn
 1. chert 40 to 60% Fresh wht
 to lt. gray; opp. to tan. transl.
 sptd. to silt. tan. weathered
 w/ br. sptd. to even H. to dk. brn
 oil stn; tan. to bleed. lide oil;
 dk. glau. to glau. yel. fluo. w/ flash to
 excel. staining cuts; 2.6 to 3.0
 hvy. tan. fatogd. + tan. excel.
 micro-sp. solution for.
 2. tan. Lmst. to brn.; crypto. to
 v. fine. gr. sub-succ. + patches
 silt. tan. w/ tan. sptd. brn. oil stn.
 dk. glau. yel. fluo. w/ fatogd.
 staining cuts; No Vis for

4891-4919 Chert w/ inc. to
 hvy. to v. hvy. tan. Lmsts
 similar 4850-4891

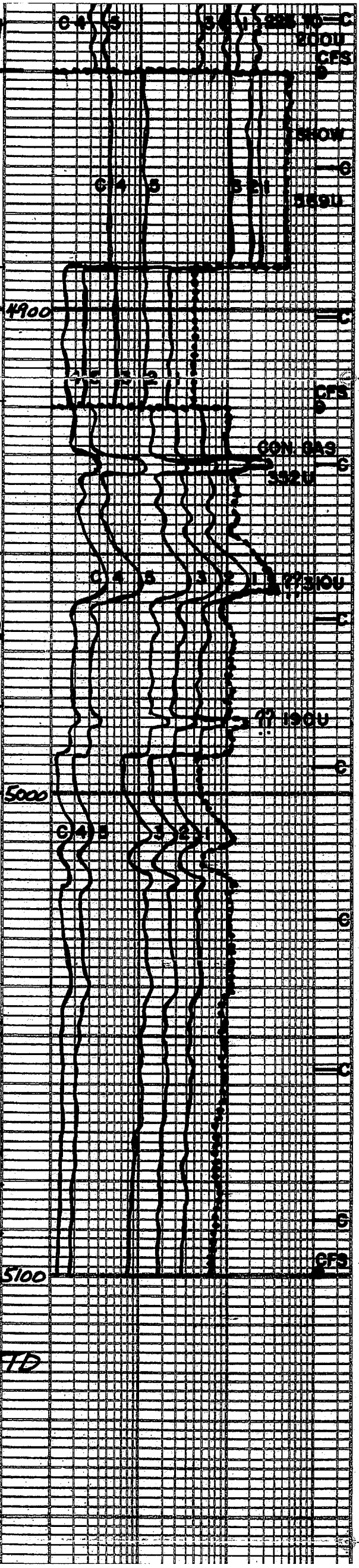
4919-5039 Sh med. gray, tan greenish
 to tan. H. green to green; tan. brownish
 silt. to faly. calc. to silt. dol. w/
 silt. tan. siltstn. H. gray, silt. to faly. calc.
 and/or dolomitic; No fluo., No lut
 No Vis for

Lmst. tan, grayish. IP; crypto. to v. fine. gr.
 sub-chalk, sub-succ. + patches, dk. H.
 yel. to H. yel. fluo.; No lut, No Vis for
 w/ v. 2.6. chert mostly fresh
 wht to lt. gray + tan. tan. opp. to
 transl. to 5 to 10% silt. weathered
 tan. w/ sptd. brown. oil stn; yel. fluo.
 faint to fair ring cuts IP; No Vis for

Sh med to dk. gray
 Lmst similar 5039-5081 w/ little
 or No chert

TD 5100
 7 7/8 inch Bit Into
 #1 New Smith F124 900ft 5100ft TD
 Cir. Points:
 1. 4815
 2. 4850
 3. 4920
 4. 5100

No DST's Were Run
 Daily Dalg Progress
 1. 4:50 AM at 2:10 PM 1-9-12



Sub-calc, sub-sarco + patches, dul. H.
 yel to lt. yel. fluor.; No bit; No vis for
 w/v. z by. cheat mostly fresh,
 wbt to lt. gray + tes tan aquato
 transl to 5 to 10% sli weathered
 tes w/ sptd. brown oil stain; yel. fluor;
 faint to fair ring cuts 1P; No vis for

Sh med to dark gray

Logs similar to 5039-5081 w/ little
 or No Cheat

5100

TD 5100

7 7/8 inch Bit Info
 #1 New Smith F12Y 900ft 5100ft TD

Cir. Points:

1. 4815
2. 4850
3. 4920
4. 5100

No DST's Were Run

Daily Daily Progress

1. 4500 At 8:19 PM 6-9-12
2. 4710 At 7:00 AM 6-10-12
3. 5091 At 7:00 AM 6-11-12
4. 5100 At 7:00 AM 6-12-12

Mud Info:

Date	6-9 1000A	6-10 11:55A	6-11 11:55A	6-11 6:55P
Depth	4463	4708	5100	5100
Wt.	9.1	9.3	9.3	8.8
Vis	47	49	58	57
PV	13	13	18	17
YP	14	16	19	18
GS	1/44	1/38	1/48	1/38
WL	9.5	9.5	8.8	8.8
Cake	1/32	1/32	1/32	1/32
PH	10.5	10.5	9.5	9.5
Chl	4000	3000	3000	6000
Ca	80	80	80	80
LCM	0	4	4	7

OPERATOR BEREN CORPORATION LOCATION 2302ENL & 990FWL
 LEASE LOIS NO. 10 SEC. 9 TWP. 35S RANG. 12W
 ELEVATION 1432KB RTD 5100 COUNTY BARBER STATE KANSAS

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



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

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

Sam Brownback, Governor

September 17, 2012

Evan Mayhew
Beren Corporation
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-007-23889-00-00
Lois 10
NW/4 Sec.09-35S-12W
Barber County, Kansas

Dear Production Department:

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

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

Respectfully,
Evan Mayhew