



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224331
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: _____



1224331

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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	Bowman Oil Company, a General Partnership
Well Name	Smith 8
Doc ID	1224331

All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log
Computer Processed Interpretation Log

Form	ACO1 - Well Completion
Operator	Bowman Oil Company, a General Partnership
Well Name	Smith 8
Doc ID	1224331

Tops

Name	Top	Datum
Anhydrite	1763	+530
Base of Anhydrite	1792	+501
Topeka	3264	-971
Heebner	3471	-1178
Lansing	3510	-1217
Base of Kansas City	3736	-1443
Arbuckle	3856	-1563
RTD	3915	

ALLIED OIL & GAS SERVICES, LLC 055385

Federal Tax I.D.# 20-5975804

PO. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS

DATE <u>7-27-14</u>	SEC. <u>5</u>	TWP. <u>10</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>1200 AM</u>	JOB FINISH <u>1230 AM</u>
LEASE <u>Smith</u>	WELL# <u>8</u>	LOCATION <u>P-10 KS 25 7 W 15 1/2 E</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>Since</u>					

CONTRACTOR Stytop #1
 TYPE OF JOB surface
 HOLE SIZE 12 1/4 T.D. 222
 CASING SIZE 8 5/8 23" DEPTH 222
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 15
 CEMENT LEFT IN CSG. 15
 PERFS. _____
 DISPLACEMENT 13
 EQUIPMENT _____
 PUMP TRUCK CEMENTER Robert Y
 # 409 HELPER Nathan D
 BULK TRUCK _____
 # 379 DRIVER Kevin L
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER _____
 CEMENT AMOUNT ORDERED 150 con 370cc 28gel
 COMMON 150 @ 17.90 2685.00
 POZMIX @ _____
 GEL 259^{oz} @ 24 61.92
 CHLORIDE 387^{oz} @ 80 309.60
 ASC @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 150 sls @ 2.48 372.00
 MILEAGE 16135+10 @ 2.60 419.25
 TOTAL _____

SERVICE _____
 DEPTH OF JOB 222
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @ _____
 MILEAGE 50 LVAI @ 4.40 220.00
 MANIFOLD @ _____
100 HVM @ 7.70 770.00
 _____ @ _____
 TOTAL 3293.50
922.19

PLUG & FLOAT EQUIPMENT _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

SALES TAX (if Any) _____
 TOTAL CHARGES 6350.02
 DISCOUNT 1778.01 (28%) PAID IN 30 DAYS
 net \$ 4572.01

REMARKS:
see log
cement did circulate to surface
25 sls top it
Thank you!!!
 CHARGE TO: Bowman Oil Company
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.
 PRINTED NAME Thomas Engel
 SIGNATURE Thomas Engel

ALL PRICES ARE NET PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. IF YOU CHARGE
 THEREAFTER IF ACCOUNT
 CURRENT, TAKE DISCOUNT OF
 ONLY IF PAID ON OR BEFORE
 DATE 30 DAYS



Services, Inc.

CHARGE TO: **Bowman Oil Co.**
 ADDRESS:
 CITY, STATE, ZIP CODE

WELL/PROJECT NO. # 8
 CONTRACTOR SKYTOP DRILLING
 RIG NAME/NO. BOOKS
 STATE KS
 CITY KS
 DATE 8-2-14
 OWNER SAME
 WELL LOCATION: PACE, KS - 15, 7W, 15, 11E
 WELL PERMIT NO. LOCAL 2000100
 JOB PURPOSE: S/B "LOW STRIKE"
 WELL CATEGORY: DEVELOPMENT
 INVOICE INSTRUCTIONS: OZ
 REFERRAL LOCATION: NESS CITY, KS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
575		DF	MILEAGE # 115	50	mi	6.00	300.00
579			PUMP GUAGE / TOP TO BOTTOM	1	EA	2000.00	2000.00
221			LEAD KCL	2	EA	25.00	50.00
281			MUD FLUSH	500	EA	1.25	625.00
402			CONCRETE	6	EA	70.00	420.00
403			CEMENT BASKETS	3	EA	300.00	900.00
406			LATCH DOWN PUK - BATTERY	1	EA	275.00	275.00
407			INSERT FLOAT SHOE W/ AUTO FLTR	1	EA	375.00	375.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 8-2-14
 TIME SIGNED: 11:30 AM

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
CUSTOMER DID NOT WISH TO RESPOND	<input type="checkbox"/> YES <input type="checkbox"/> NO		

TOTAL: 14554.50
 TAX: 19,499.50
 Books @ .15%: 892.152
 TOTAL: 20,946.152



PO Box 466
 NESS CITY, KS 67560
 OR: 785-798-2300

TICKET CONTINUATION

TICKET No. 26678

CUSTOMER: **BOWMAN OIL CO** WELT # 8
 DATE: 8-2-14
 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
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325				STANDARD CEMENT EA-2	125	SKS			14.50	1812.50
330				SMITH MULT-DENSITY STANDARD	470	SKS			18.50	8695.00
279				FLOCCEL	150	US			2.50	375.00
283				SALT	650	US			20	130.00
284				CASBA	6	SKS	600	US	35.00	210.00
285				CFR-1	50	US			4.50	225.00
290				D-ADR	10	GM			42.00	420.00

PRICE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING	TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
325				STANDARD CEMENT EA-2	125	SKS			14.50	1812.50
330				SMITH MULT-DENSITY STANDARD	470	SKS			18.50	8695.00
279				FLOCCEL	150	US			2.50	375.00
283				SALT	650	US			20	130.00
284				CASBA	6	SKS	600	US	35.00	210.00
285				CFR-1	50	US			4.50	225.00
290				D-ADR	10	GM			42.00	420.00
581				SERVICE CHARGE					2.00	1190.00
583				MILEAGE CHARGE					1.00	1497.00
TOTAL WEIGHT 59880 LOADED MILES 50 TON MILES 1497 CUBIC FEET 595 CONTINUATION TOTAL 14554.50										

JOB LOG

SWIFT Services, Inc.

DATE 8-2-14 PAGE NO. 9

CUSTOMER **Bowman Oil Co.** WELL NO. #8 LEASE **SMZTH** JOB TYPE **5 1/2" LONGSTRING** TICKET NO. **26678**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
	1230							START 5 1/2" CASING IN WELL
								TD - 3915 SETC 3914'
								TP - 3920 5 1/2" 15.5'
								ST - 42'
								CONCENTRATES - 1, 2, 6, 8, 10, 50
								CMT BSKTS - 3, 11, 51
	1415							DROP BALL - CIRCULATE
	1445	6	12		✓		450	PUMP 500 GAL MUDFLUSH
	1447	6	20		✓		450	PUMP 20 BBS KCl - FLUSH
	1455		7					PLUG RH (3043)
	1500	6 1/4	166		✓		450	MAX CEMENT - 300 SKS SMD = 11.2 PPG
		6 1/4	41		✓		200	100 SKS SMD = 12.2 PPG
		6 1/4	13		✓		150	40 SKS SMD = 13.5 PPG
		4 1/2	30		✓		100	125 SKS EA-2 = 15.5 PPG
	1545							WASH OUT PUMP LINES
	1545							RELEASE LATCH DOWN PLUG
	1547	6 1/2	0		✓			DISPLACE PLUG
		6	90				1100	
	1600	6	92.3				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	1605						OK	RELEASE PSE-HEAD
								CIRCULATED 30 SKS CEMENT TO PSE
	1700							WASH TRUCK - JOB COMPLETE
								THANK YOU
								WAYNE, DOUG, JOHN, PRESTON

Glenn
Glenn Consulting LLC
 A/E/C-15-065-24055-0000

GEOLOGIST'S REPORT
 DRILLING TIME AND SAMPLE LOG

OPERATOR **Bowman Oil Company**
 LEASE **SMITH** WELL NO. **8**
 FIELD **COOPER**
 LOCATION **530' ENL & 1900' FNL**
 SEC. **5** TWP. **10S** RGE. **21W**
 COUNTY **GRAHAM** STATE **KANSAS**

CONTRACTOR **SKYTOP DRILLING LLC #3708**
 COMPLETION DATE **8-2-2017**
 RIG **518** COOP. **8-2-2017**
 SURFACE SWELL FROM **3200** TO **710**
 DRILLING TIME KEPT FROM **3200** TO **710**
 SURFACES EXAMINED FROM **3200** TO **710**
 GEOLOGICAL SUPERVISION FROM **3200** TO **710**
 MADE UP **3108** THE WELD CHEMICAL LABORATORY

MEASUREMENTS ARE ALL FROM **KELLY BUSHING**
 CASING RECORD
 SURFACE **8 1/8" @ 217'**
 165353 **3708** **3200**
 PRODUCTION **5% @ 9114'**
58535

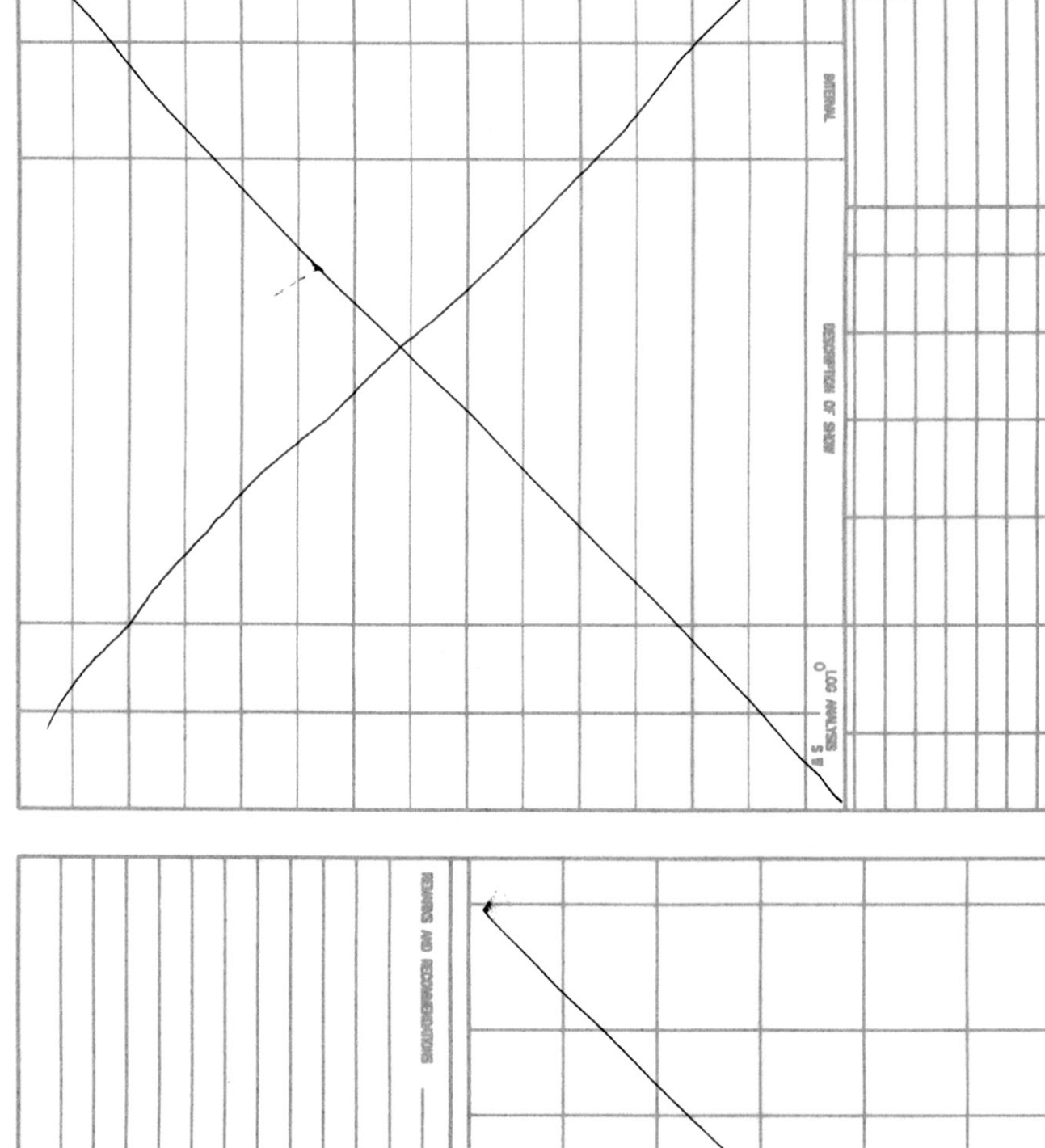
ELECTRICAL SURVEYS
 DUAL INDUCTION
 DENSITY-NEUTRON
 MICARD

FORMATION	TOP LOG	DEPTH	THICKNESS	STRATIGRAPHIC
ANHYDRITE	1772 (522)	1763 (530)	9	0
B/ANHYDRITE	1801 (483)	1792 (500)	9	0
TOPEKA	3265 (772)	3247 (777)	18	0
HEBNER	3507 (514)	3471 (478)	36	0
LANZING	3792 (149)	3771 (171)	21	0
B/KANSAS CITY	3796 (145)	3786 (144)	9	0
ARBUCKLE	3893 (156)	3886 (158)	7	0

REFERENCE WELL FOR STRATIGRAPHIC CORRELATION
SMITH #7 530' ENL & 1900' FNL SEC 5-10S-21W
GRAHAM COUNTY KANSAS

DRILL STEM TESTS

DATE	DEPTH	NO	TIME	DEPTH	NO	TIME
7-26-14	500	1	12/4	222	3 1/2	
7-27-14	222	2	7/8	552	31/5	222 3 1/2
7-28-14	1498					
7-29-14	2318					
7-30-14	2875					
7-31-14	3720					
8-1-14	3720					
8-2-14	3715					



DRILL STEM TESTS

DATE	DEPTH	NO	TIME	DEPTH	NO	TIME
7-26-14	500	1	12/4	222	3 1/2	
7-27-14	222	2	7/8	552	31/5	222 3 1/2
7-28-14	1498					
7-29-14	2318					
7-30-14	2875					
7-31-14	3720					
8-1-14	3720					
8-2-14	3715					

DRILL STEM TESTS

DATE	DEPTH	NO	TIME	DEPTH	NO	TIME
7-26-14	500	1	12/4	222	3 1/2	
7-27-14	222	2	7/8	552	31/5	222 3 1/2
7-28-14	1498					
7-29-14	2318					
7-30-14	2875					
7-31-14	3720					
8-1-14	3720					
8-2-14	3715					

7514

LEGEND

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DRILLING TIME IN MINUTES PER FOOT
 Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

ANHYDRITE 1763 (530)

B/ANHYDRITE 1792 (500)

start 1' Drig Time

vis 56 wt 8.6 l/cm 1 1/2"

start 10' Wet Dry Samples

vis 49 wt 9.1

vis 52 wt 9.1

vis 66 wt 9.4 l/cm 3/4"

NOTE: samples showed washing brown.

ANHYDRITE 1763 (530)

B/ANHYDRITE 1792 (500)

start 1' Drig Time

vis 56 wt 8.6 l/cm 1 1/2"

start 10' Wet Dry Samples

vis 49 wt 9.1

vis 52 wt 9.1

vis 66 wt 9.4 l/cm 3/4"

NOTE: samples showed washing brown.

TOPEKA 3264 (772)

KING HILL SHALE

QUEEN HILL SHALE

HEBNER 3471 (478)

TORONTO 3792 (149)

LANZING 3770 (171)

B/KANSAS CITY 3796 (145)

ARBUCKLE 3893 (156)

ROUGH

TOTAL DEPTH

DRILLING TIME Minutes/Foot

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

CONTRACTOR **SKYTOP DRILLING LLC**

LEASE **SMITH** IP

ELEVATION **2295; KB 2293** RTD **3715**

LOCATION **530' ENL & 1900' FNL**

SEC. **5** TWP. **10S** RGE. **21W**

COUNTY **GRAHAM** STATE **KANSAS**