



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1272493
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
-----------------------------------	-----------------	---

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: _____

1272493

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
--	---

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Sidney 1-17
Doc ID	1272493

Tops

Name	Top	Datum
Heebner	3908	-987
Toronto	3927	-1005
Lansing	3952	-1030
BKC	4509	-1587
Marmaton	4532	-1610
Cherokee	4671	-1749
Morrow	4919	-1997
Chester	5044	-2122
St. Genevieve	5077	-2155
St Louis	5130	-2208
RTD	5383	-2461
LTD	5389	-2467

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067670

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Daklep

DATE <u>10-11-15</u>	SEC <u>17</u>	TWP. <u>26</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>11:00 A.M.</u>	JOB START <u>3:30 P.M.</u>	JOB FINISH <u>4:30 P.M.</u>
LEASE <u>Sidney</u>	WELL # <u>1-17</u>	LOCATION <u>Garden city 5 TO TR RD 4 1/2 W</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>NINTO</u>					

CONTRACTOR <u>Berexco #1</u>		OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>		
HOLE SIZE <u>12 1/4</u>	T.D. <u>1255'</u>	
CASING SIZE <u>8 3/8</u>	DEPTH <u>1255'</u>	
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT <u>42.52</u>	
CEMENT LEFT IN CSG. <u>42.52</u>		
PERFS.		
DISPLACEMENT <u>109.08 bbl.</u>		

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>Andrew Forslund</u>
	HELPER <u>Wayne Mahogany</u>
BULK TRUCK # <u>818</u>	DRIVER <u>Darren Racette</u>
BULK TRUCK # <u>609</u>	DRIVER <u>Brian (GB)</u>

CEMENT	
AMOUNT ORDERED <u>570 sks Lite 3% cc</u>	
<u>1/8" Flo-seal</u>	
<u>150 sks com. 3% cc</u>	
COMMON <u>150 sks</u>	@ <u>17.90</u> <u>2685.00</u>
POZMIX	@
GEL	@
CHLORIDE <u>1988*</u>	@ <u>1.10</u> <u>2162.10</u>
ASC	@
<u>Lite 570 sks</u>	@ <u>19.88</u> <u>11331.60</u>
	@
	@
<u>Flo-seal 143#</u>	@ <u>2.97</u> <u>424.71</u>
	@
	@
	@
TOTAL <u>16,543.41</u>	

DISCOUNT 48% 7940.84

REMARKS:

Mix 570 sks Lite followed by 150 sks com. Release plug and displace. 900' lift and plug 1300'. Plug landed float held. Cement did circulate.

Thank you

CHARGE TO: Berexco
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

HANDLING <u>817 cu/ft</u>	@ <u>2.48</u>	<u>2026.16</u>
MILEAGE <u>2.25 ton/mile</u>	<u>343714 ton</u>	<u>33081.25</u>
DEPTH OF JOB <u>1255'</u>		
PUMP TRUCK CHARGE:		<u>2213.25</u>
EXTRA FOOTAGE	@	
HV MILEAGE <u>35 miles</u>	@ <u>7.70</u>	<u>269.50</u>
LV MILEAGE <u>35 miles</u>	@ <u>4.90</u>	<u>N/C</u>
<u>Head + manifold</u>	@ <u>275.00</u>	<u>N/C</u>
	@	
TOTAL <u>7817.66</u>		

DISCOUNT 48% 3752.47

PLUG & FLOAT EQUIPMENT.

<u>8 3/8</u>		
<u>1 Guide shoe</u>	@	<u>412.00</u>
<u>1 Air Insert</u>	@	<u>447.00</u>
<u>1 Rubber plug</u>	@	<u>131.00</u>
<u>3 Centralizers</u>	@ <u>75.00</u>	<u>225.00</u>
	@	

TOTAL 1263.00

DISCOUNT 48% 606.84

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 _____

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES 25,634.07

DISCOUNT 12,399.55 (48%) IF PAID IN 30 DAYS

NET TOTAL 13,234.51 IF PAID IN 30 DAYS

BD



CEMENTING LOG

STAGE NO. _____

Date 10-11-15 District Oakley Ticket No. 067620
 Company Berexco Rig Berexco 1
 Lease Sidney Well No. 1-17
 County Finney State KS
 Location 12 26 33 Field _____
Garden city 570 TV Rb 4th W Min 70

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type new Weight 24 Collar _____

Casing Depths: Top KB Bottom 1255'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1255 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Life 30cc
1/2 Flow seal Excess _____
 Amt. 570 Sks Yield 2100 ft³/sk Density 12.07 PPG

TAIL: Pump Time _____ hrs. Type Com 30cc
 Excess _____
 Amt. 150 Sks Yield 1133 ft³/sk Density 14.9 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 431
 Bulk Equip. 818
609

Floater Equip: Manufacturer Weatherford
 Shoe: Type Guide shoe Depth 1255'
 Float: Type Afu Insert Depth 1712.98'
 Centralizers: Quantity 3 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 109 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____ CEMENTER Andrew

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>3:00</u>						<u>start mixing life</u> <u>life mixed start com</u> <u>com mixed stop pump</u> <u>Release plug start displacement</u>
				<u>10</u>		
				<u>10</u>	<u>5 1/2</u>	
				<u>10</u>		
	<u>400</u>			<u>10</u>		
				<u>10</u>		
				<u>10</u>		
				<u>10</u>		
	<u>900</u>			<u>10</u>		
	<u>900</u>			<u>10</u>	<u>3</u>	
<u>4:20</u>	<u>1300</u>					<u>plug landed</u> <u>float held</u> <u>Cement did circulate</u>



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SDNY1-17DST1

TIME ON: 1705 (10/16)
TIME OFF: 0300 (10/17)

Company BEREXCO LLC Lease & Well No. SIDNEY #1-17
Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
Elevation 2910 GL Formation LOWER KC 'A' Effective Pay _____ Ft. Ticket No. M796
Date 10/16/2015 Sec. 17 Twp. 26 S Range 33 W County FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4400 ft. to 4420 ft. Total Depth 4420 ft.
Packer Depth 4395 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4400 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4382 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4402 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 59 Drill Collar Length 581 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,500 P.P.M. Drill Pipe Length 3787 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: **BUILT TO 3/8" IN 7 MIN DIMINISHING UNTIL DEAD @ 17 MIN (NO BB)**
2nd Open: **NO BLOW (NO BB)**

Recovered <u>5</u> ft. of <u>VSOSWM 42% WTR, 58% MUD W/ A COUPLE OF SPOTS OF OIL, SLIGHT ODOR</u>	
Recovered <u>5</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of <u>CHLOR: 7,000 PPM</u>	
Recovered _____ ft. of <u>RW: 1.0 @ 48 DEG</u>	Price Job
Recovered _____ ft. of <u>PH: 8.0</u>	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 20% WTR, 80% MUD</u>	Total

Time Set Packer(s) 9:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 12:45 A.M. ^{A.M.} P.M. Maximum Temperature 118°F
Initial Hydrostatic Pressure..... (A) 2010 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 19 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1259 P.S.I.
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1220 P.S.I.
Final Hydrostatic Pressure..... (H) 2002 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M796
Well Name	SIDNEY #1-17	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4400-4420 LOWER KC 'A'	Well Operator	BEREXCO LLC
Surface Location	SEC.17-26S-33W FINNEY CO.KS.	Report Date	2015/10/17
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4400-4420 LOWER KC 'A'		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/16	Start Test Time	17:05:00
Final Test Date	2015/10/17	Final Test Time	03:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

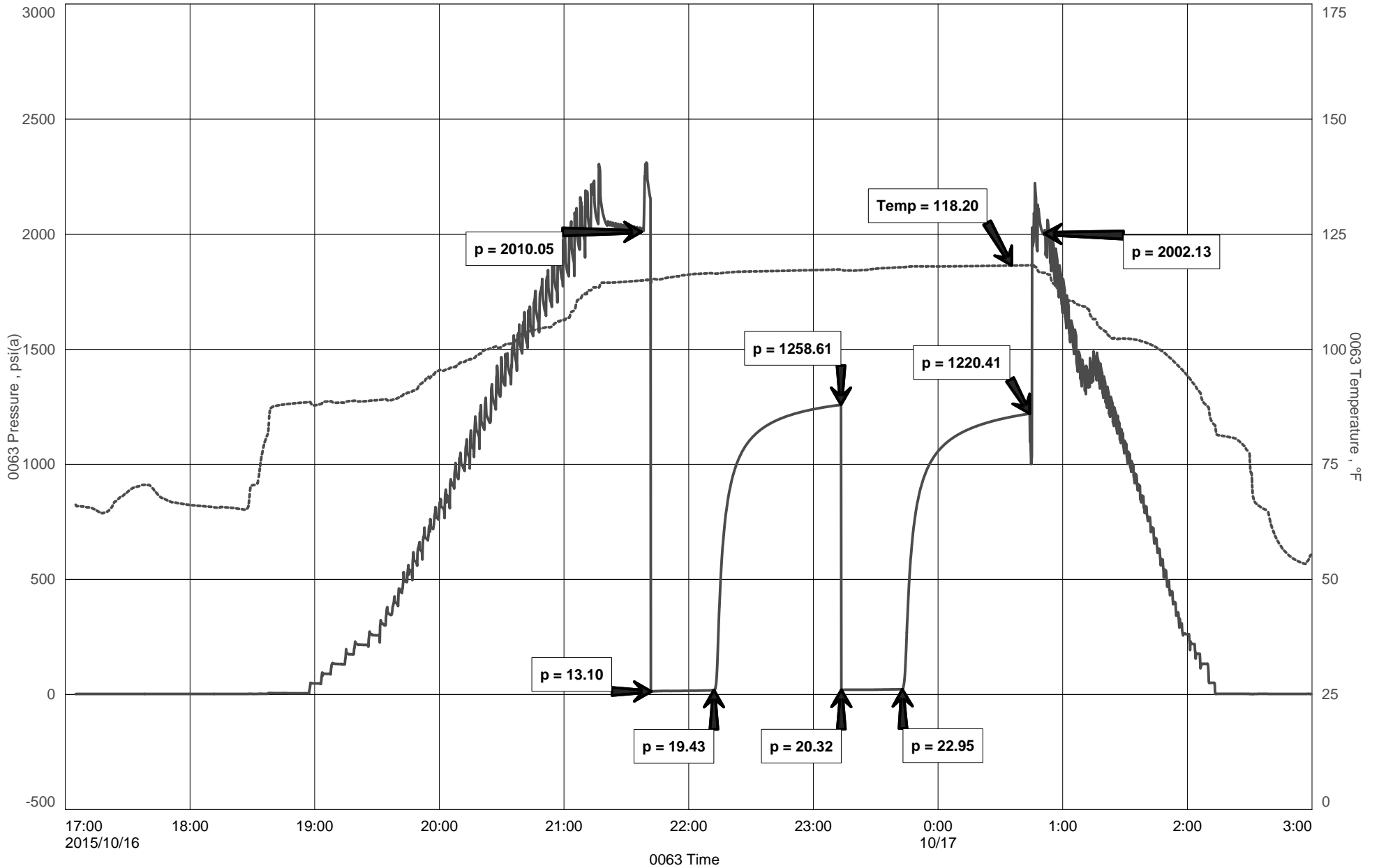
Test Results

Remarks **RECOVERED:**
5' VSOSWM 42% WTR, 58% MUD W/ A COUPLE OF SPOTS OF OIL, SLIGHT ODOR
5' TOTAL FLUID

CHLOR: 7,000 PPM
PH:8.0
RW: 1.0 @ 48 DEG

TOOL SAMPLE: 20% WTR, 80% MUD

SIDNEY #1-17





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: SDNY1-17DST2

TIME ON: 1205
 TIME OFF: 2325

Company BEREXCO LLC Lease & Well No. SIDNEY #1-17
 Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
 Elevation 2910 GL Formation KANSAS CITY "B" Effective Pay _____ Ft. Ticket No. M797
 Date 10/17/2015 Sec. 17 Twp. _____ Range 26 S County 33 W State FINNEY State KANSAS
 Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4434 ft. to 4447 ft. Total Depth 4447 ft.
 Packer Depth 4429 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 4434 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4416 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4436 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 50 Drill Collar Length 578 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4,000 P.P.M. Drill Pipe Length 3821 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 13 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, 2" RIGHT AWAY, BOB 5 MIN (BOB BB)
 2nd Open: SSB, 1 1/2" RIGHT AWAY, BOB 10 MIN (BOB BB)

Recovered <u>1029</u> ft. of <u>GIP</u>	GRAVITY: <u>37.8 @ 60°</u>
Recovered <u>90</u> ft. of <u>GO 100% GASSY OIL</u>	
Recovered <u>869</u> ft. of <u>VSOSGMW 96% WTR, 4% MUD W/ A VERY THIN SCUM OF OIL, SOME GASSY BUBBLES</u>	
Recovered <u>959</u> ft. of <u>TOTAL FLUID</u>	(<u>291' DP, 578' DC</u>)
Recovered _____ ft. of <u>RW: .20 @ 56 DEG</u>	Price Job
Recovered _____ ft. of <u>PH: 7.0</u>	Other Charges
Remarks: <u>CHLOR: 55,000 PPM</u>	Insurance
<u>TOOL SAMPLE: 2% OIL, 97% WTR, 1% MUD & SOME GASSY BUBBLES</u>	Total

Time Set Packer(s) 3:30 P.M. A.M. P.M. Time Started Off Bottom 8:00 P.M. A.M. P.M. Maximum Temperature 123°F

Initial Hydrostatic Pressure..... (A) 2129 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 60 P.S.I. to (C) 292 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1186 P.S.I.
 Final Flow Period..... Minutes 60 (E) 306 P.S.I. to (F) 461 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 1168 P.S.I.
 Final Hydrostatic Pressure..... (H) 2085 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M797
Well Name	SIDNEY #1-17	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4434-4447 KANSAS CITY "B"	Well Operator	BEREXCO LLC
Surface Location	SEC.17-26S-33W FINNEY CO.KS.	Report Date	2015/10/17
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4434-4447 KANSAS CITY "B"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/17	Start Test Time	12:05:00
Final Test Date	2015/10/17	Final Test Time	
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

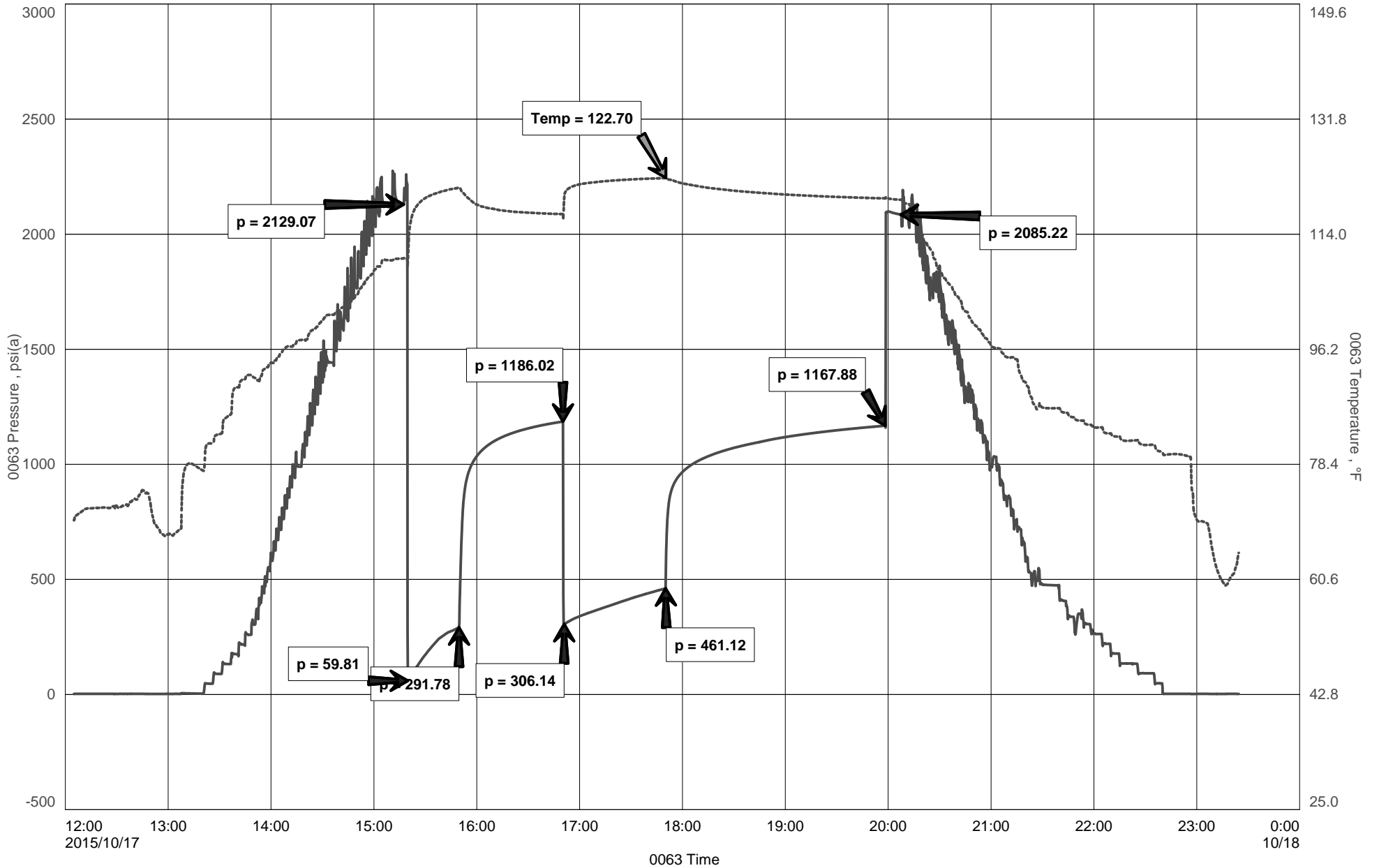
1029 GIP
90' GO 100% GASSY OIL
869' VSOSGMW 96% WTR, 4% MUD W/ A VERY THIN SCUM OF OIL, SOME GASSY BUBBLES
959' TOTAL FLUID

GRAVITY: 37.8 @ 60 DEG

CHLOR: 55,000 PPM
PH:7.0
RW: .20 @ 56 DEG

TOOL SAMPLE: 2% OIL, 97% WTR, 1% MUD & SOME GASSY BUBBLES

SIDNEY #1-17





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SDNY1-17DST3

TIME ON: 1940 (10/18)
TIME OFF: 0620 (10/19)

Company BEREXCO LLC Lease & Well No. SIDNEY #1-17
Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
Elevation 2910 GL Formation MARMATON "B" Effective Pay _____ Ft. Ticket No. M798
Date 10/18/2015 Sec. 17 Twp. _____ Range 26 S County 33 W State FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4557 ft. to 4575 ft. Total Depth 4575 ft.
Packer Depth 4552 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4557 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4539 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4559 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 50 Drill Collar Length 578 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,800 P.P.M. Drill Pipe Length 3947 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 18 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BOB 10 1/2 MIN (NO BB)
2nd Open: SSB, BOB 4 MIN (NO BB)

Recovered 2310 ft. of GIP (1882' DP, 428' DC) GRAVITY: 38.6 @ 60°
Recovered ~2 ft. of CO 100% OIL (~2' DC)
Recovered 148 ft. of GOCM 8% GAS, 30% OIL, 62% MUD (148' DC)
Recovered 150 ft. of TOTAL FLUID (148' DC)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% OIL	Total

Time Set Packer(s) 11:15 P.M. A.M. P.M. Time Started Off Bottom 3:45 A.M. A.M. P.M. Maximum Temperature 120°F
Initial Hydrostatic Pressure..... (A) 2202 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1092 P.S.I.
Final Flow Period..... Minutes 60 (E) 44 P.S.I. to (F) 73 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1031 P.S.I.
Final Hydrostatic Pressure..... (H) 2178 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M798
Well Name	SIDNEY #1-17	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4557-4575 MARMATON "B"	Well Operator	BEREXCO LLC
Surface Location	SEC.17-26S-33W FINNEY CO.KS.	Report Date	2015/10/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4557-4575 MARMATON "B"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/18	Start Test Time	19:40:00
Final Test Date	2015/10/19	Final Test Time	06:20:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

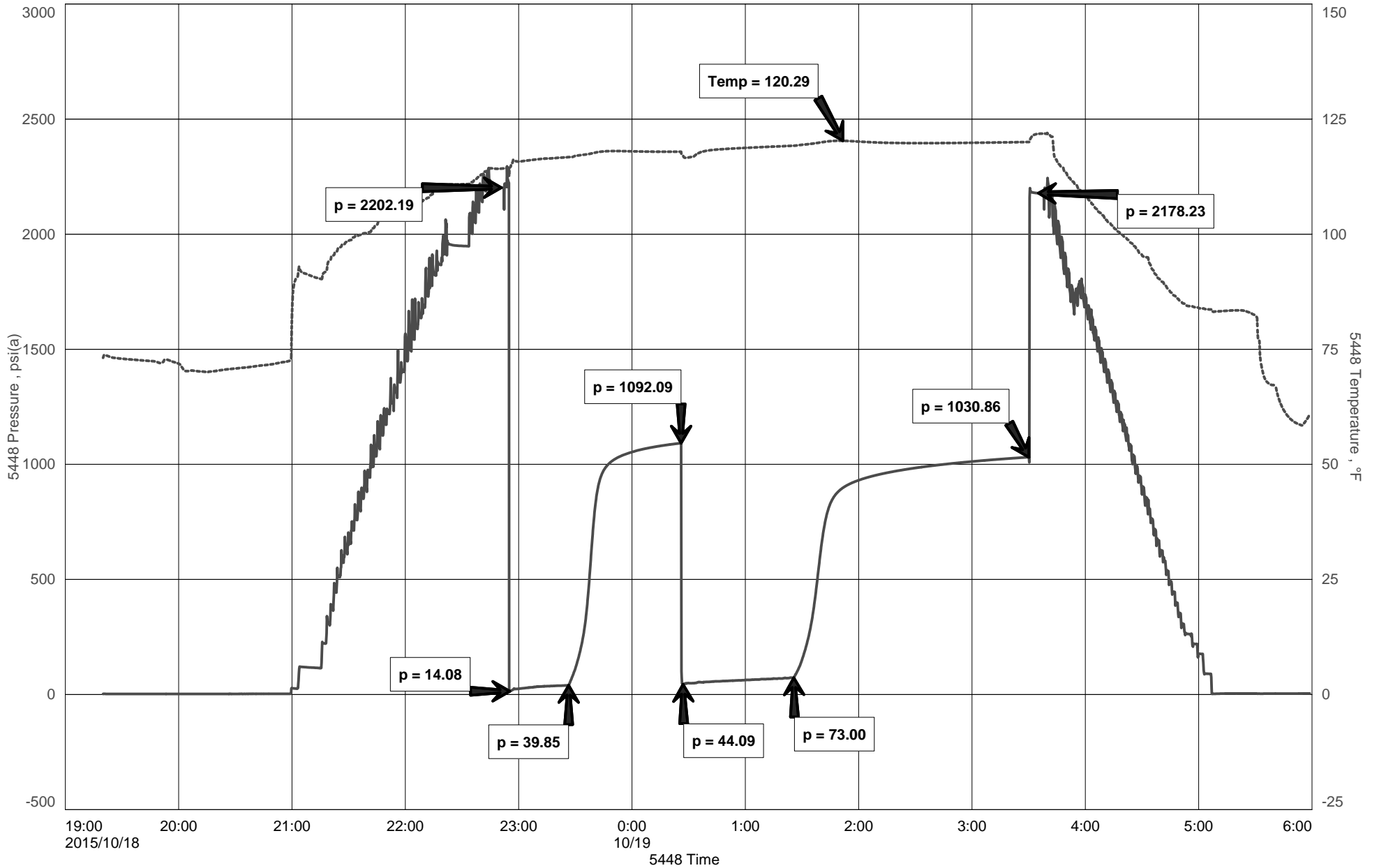
Test Results

Remarks RECOVERED:
2310' GIP
~2' CO 100% OIL
148' GOCM 8% GAS, 30% OIL, 62% MUD
150' TOTAL FLUID

GRAVITY: 38.6 @ 60 DEG

TOOL SAMPLE: 100% OIL

SIDNEY #1-17





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SDNY1-17DST4

TIME ON: 0540
TIME OFF: 1440

Company BEREXCO LLC Lease & Well No. SIDNEY #1-17
Contractor BEREDCO LLC RIG 1 Charge to BEREXCO LLC
Elevation 2910 GL Formation ST.LOUIS Effective Pay _____ Ft. Ticket No. M799
Date 10/22/2015 Sec. 17 Twp. 26 S Range 33 W County FINNEY State KANSAS
Test Approved By EDWIN H. GRIEVES Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 5126 ft. to 5155 ft. Total Depth 5155 ft.

Packer Depth 5121 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 5126 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5108 ft. Recorder Number E1150 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5128 ft. Recorder Number 0063 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 53 Drill Collar Length 578 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,900 P.P.M. Drill Pipe Length 4516 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 29 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: SSB 2 1/2" RIGHT AWAY, THEN BUILT TO AN INTERMITTENT 3" BLOW (NO BB)

2nd Open: NO BLOW, KICKED OUT 3 BUBBLES @ 23 MIN THEN NO BLOW (NO BB)

Recovered 182 ft. of VSOSGWM 2% GAS, 98% MUD, W/ A THICK SCUM OF OIL, TR OF WTR

Recovered 182 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 18,000 PPM

Recovered _____ ft. of RW: .57 @ 65 DEG

Recovered _____ ft. of PH: 7.0

Remarks: _____

TOOL SAMPLE: 12% GAS, 32% WTR, 56% MUD W/ A FEW SPOTS OF OIL

Time Set Packer(s) 8:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 11:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 130°F

Initial Hydrostatic Pressure..... (A) 2412 P.S.I.

Initial Flow Period..... Minutes 30 (B) 87 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 1411 P.S.I.

Final Flow Period..... Minutes 30 (E) 106 P.S.I. to (F) 119 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1381 P.S.I.

Final Hydrostatic Pressure..... (H) 2352 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	BEREXCO LLC	Job Number	M799
Well Name	SIDNEY #1-17	Representative	MIKE COCHRAN
Unique Well ID	DST#4 5126-5155 ST.LOUIS	Well Operator	BEREXCO LLC
Surface Location	SEC.17-26S-33W FINNEY CO.KS.	Report Date	2015/10/22
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	EDWIN H. GRIEVES
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 5126-5155 ST.LOUIS		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/22	Start Test Time	05:40:00
Final Test Date	2015/10/22	Final Test Time	14:40:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**

182' VSOSGWM 2% GAS, 98% MUD, W/ A THICK SCUM OF OIL, TR OF WTR
182" TOTAL FLUID

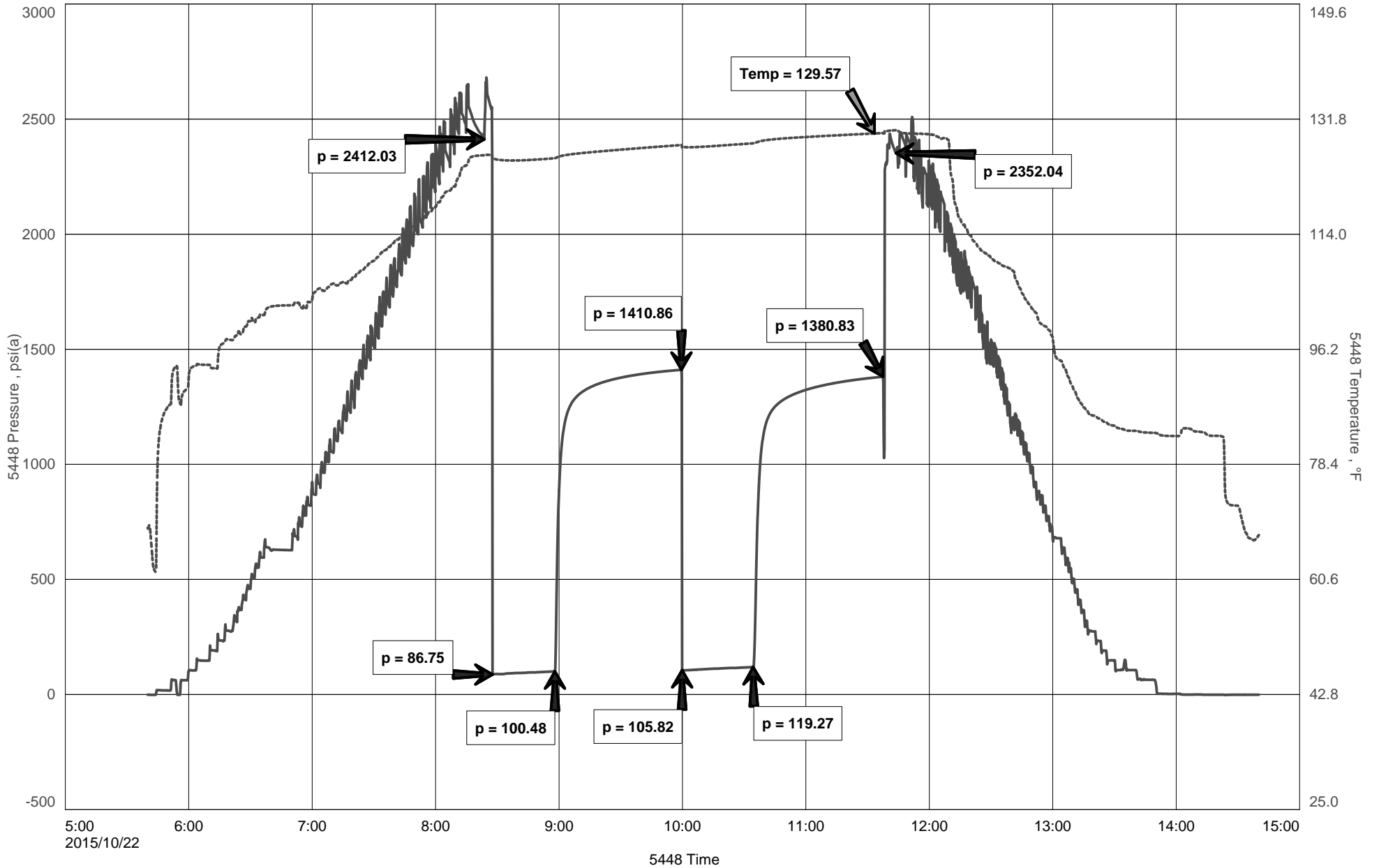
CHLOR: 18,000 PPM
PH:7.0
RW: .57 @ 65 DEG

TOOL SAMPLE: 12% GAS, 32% WTR, 56% MUD W/ A FEW SPOTS OF OIL

BEREXCO LLC
DST#4 5126-5155 ST.LOUIS
Start Test Date: 2015/10/22
Final Test Date: 2015/10/22

SIDNEY #1-17
Formation: DST#4 5126-5155 ST.LOUIS
Pool: WILDCAT
Job Number: M799

SIDNEY #1-17



ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067741

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley, KS

DATE <u>5-25-15</u>	SEC. <u>17</u>	TWP. <u>26</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>5:00pm</u>	JOB START <u>2:00am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Sidney</u>	WELL # <u>1-17</u>	LOCATION <u>Garden City S to TV Rd,</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		4 1/2 w, Ninto					

CONTRACTOR <u>Berecco I</u>	
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5383'</u>
CASING SIZE <u>5 1/2 (15.5")</u>	DEPTH <u>5373'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV TOOL</u>	DEPTH <u>3198'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>	
PERFS.	
DISPLACEMENT <u>Bottom - 50 water 78 mud</u>	
<u>Top - 76 bit water</u> EQUIPMENT	

OWNER <u>Same</u>	
CEMENT	
AMOUNT ORDERED <u>490 sks 65/35 6% gel</u>	
<u>1/4" Flo-seal, 260 sks ASC, 10% salt,</u>	
<u>6" gilsonite, 2% gel, .5% FL-160, .25"</u>	
<u>Powdered Defeamer</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
<u>Lite 65/35/6</u>	<u>490 sks @ 19.88 9741.20</u>
<u>ASC</u>	<u>260 sks @ 23.50 6110.00</u>
<u>Flo-seal</u>	<u>111 # @ 2.97 329.67</u>
<u>gilsonite</u>	<u>1560 # @ .98 1528.80</u>
<u>FL-160</u>	<u>123 # @ 18.90 2324.90</u>
<u>Powdered Defeamer</u>	<u>66 # @ 3.50 231.00</u>
	@
	@
TOTAL <u>20,265.31</u>	
DISCOUNT <u>48% 9727.37</u>	

PUMP TRUCK	CEMENTER <u>Paul Beaver</u>
# <u>431</u>	HELPER <u>Wayne Meghighy</u>
BULK TRUCK	
# <u>609/198</u>	DRIVER <u>Marlin Spangenberg</u>
BULK TRUCK	
# <u>562/744</u>	DRIVER <u>Ramon Escarcega</u>

REMARKS:
Bottom Stage
Ron Pipe / Float equip, Break Acc, Drop ball, pumped ball
through shoe @ 400', mix 115 sks Lite, Tail with 210 sks
ASC, wash-up / release plug, displac w/ water & mud,
plug did land @ 1500' / 1400' Drop Dart, opened
Tool @ 900' circ 4 hrs Top Stage mix 30 sks
in R.H, mix 20 sks in m.H, mix 35 sks lite, tail
w/ 50 sks ASC, wash-up / release plug, Displace w/
water, plug did land Tool did close @ 11200 #
Land 2300', cement did circulate

CHARGE TO: Berecco IIc Thank You Paul Beaver
STREET _____
CITY _____ STATE _____ ZIP _____

BID

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 _____
SIGNATURE [Signature]

SERVICE	
HANDLING <u>889 ft³</u>	@ <u>2.48 2204.72</u>
MILEAGE <u>1873 bn/mi</u>	@ <u>2.75 5150.75</u>
DEPTH OF JOB	<u>5373' 3198'</u>
PUMP TRUCK CHARGE <u>Bottom = 3079.25</u>	<u>19,2406.24</u>
EXTRA FOOTAGE	@
HV MILEAGE <u>50</u>	@ <u>7.90 395.00</u>
LV MILEAGE <u>50</u>	@ <u>4.40 N/C</u>
<u>Head Manifold</u>	@ <u>275.00 N/C</u>
	@
TOTAL <u>13,245.96</u>	
DISCOUNT <u>48% 6358.06</u>	

PLUG & FLOAT EQUIPMENT	
<u>AFB Float Shoe</u>	@ <u>545.00</u>
<u>Latchdown Flex Assy.</u>	@ <u>660.00</u>
<u>DV TOOL</u>	@ <u>5335.00</u>
<u>Baskets</u>	<u>3 @ 395.00 1185.00</u>
<u>Centralizers</u>	<u>16 @ 57.00 912.00</u>
TOTAL <u>8,637.00</u>	
DISCOUNT <u>48% 4145.76</u>	

SALES TAX (If Any) _____
TOTAL CHARGES 42,148.33
DISCOUNT 20,231.19 (48%) IF PAID IN 30 DAYS
NET TOTAL 21,917.13 IF PAID IN 30 DAYS
Bid

Date 10-25-15 District Oakley Ticket No. 67741
 Company Tercy 10 Rig Service 1
 Lease Sidney Well No. 1-17
 County Finney State KS
 Location 17-26-33 Field _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type New Weight 15.5 Collar _____

Bottom
 LEAD: Pump Time _____ hrs. Type ASC 65/35/6
 * ASC Excess _____
 Amt. 115 TRL 210 ASC Skys Yield _____ ft³/sk Density 12/14.5 PPG _____
 Tail Pump Time _____ hrs. Type 65/35/6 + ASC
 Excess _____
 Amt. 325 + 50 Skys Yield _____ ft³/sk Density 12/14.5 PPG _____
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top KB Bottom 5373

Pump Trucks Used 431
 Bulk Equip. 609/188
562/744

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5983 ft. P.B. to 5373 ft.

CAPACITY FACTORS:

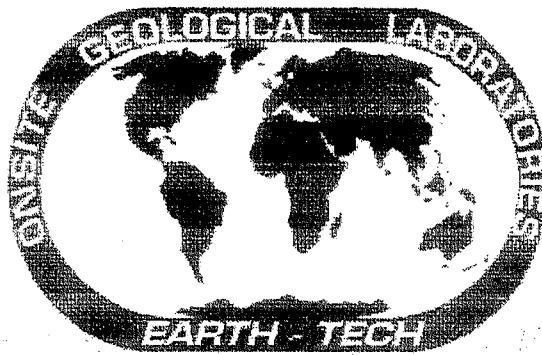
Casing: Bbls/Lin. ft. 102.38 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer Weatherford
 Shoe: Type RFU Depth _____
 Float: Type Lubed Annulus Depth _____
 Centralizers: Quantity None Plugs Top DV Btm. Flex
 Stage Collars DV TOOL
 Special Equip. Baskets - 3
 Disp. Fluid Type water + mud Amt. _____ Bbls. Weight _____ PPG _____
 Mud Type 40 vis Weight _____ PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER Paul Beaver

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:00 am						Hold Safety meeting Run Pipe / Float equip Pump Ball through shoe @ 400" mix 115 sks Lite tail w/ 210 sks ASC wash up to pit / release plug
		200		19	19	
		200		35	54	
		0		5	59	
		200		50	109	
		1000		78	187	
		1500				plug did land @ 1500" Lift 1000" opened tool @ 800" / circa 3 hrs.
11:00 am		900				Top Stage
2:30 pm		0		5	5	Top Stage mix 30 sks in R.H mix 20 sks in m.it mix 32.5 sks Lite mix 50 sks ASC wash up to pit / release Plug
		0		3	8	
		200		55	63	
		200		9	72	
		0				
		1200		76	148	
3:30 pm		2200				plug did land @ 2200" Lift 1200" DV Tool dip class cement did cure
						Hold Safety meeting
						Thats 1 100.



10/23/15

Scale 1:240 (5"=100') Imperial

Well Name: SIDNEY # 1-17
 Location: Sec 17 26s 33w, Finney County, Kansas
 Licence Number: 15-055-22425-0000
 Spud Date: Oct. 09, 2015
 Surface Coordinates: 1050' FSL & 2305' FEL
 Region: IVANHOE
 Drilling Completed: OCT. 23, 2015

Bottom Hole Coordinates:
 Ground Elevation (ft): 2910' K.B. Elevation (ft): 2922'
 Logged Interval (ft): 4200' To: 5383' Total Depth (ft): 5383'
 Formation: MARMATON
 Type of Drilling Fluid: Natural Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BEREXCO, LLC
 Address: 2020 N. Bramblewood
 Wichita, Kansas
 Ge: Mr. Pete Wilson

GEOLOGIST

Name: Edwin H. Grieves
 Company: GRIEVES & CO.
 Address: P.O. Box 1325
 Edmond, Okla. 73083-3125
 1-405-826-9027

ROCK TYPES

Anhy	Congl	Mrlst	Ss	Sandy lms
Bent	Dol	Salt	Till	Shale
Brecc	Gyp	Shale	Carb sh	Siltstn
Cht	Igne	Shcol	Dol	Shlystn
Clyst	Lmst	Shgy	Dtd	Sltsh
Coal	Meta	Siltst	Gry sh	Lms

ACCESSORIES

MINERAL	Marl	Belm	Fuss	Lms
Anhy	Minxl	Bioclst	Oomold	Sandy lms
Arggrn	Nodule	Brach	STRINGER	Sh
Arg	Phos	Bryozoa	Anhy	Siltstn
Bent	Pyr	Cephal	Arg	TEXTURE
Bit	Salt	Coral	Bent	Boundst
Breccfrag	Sandy	Crin	Coal	Chalky
Calc	Silt	Echin	Dol	Cryxln
Carb	Sil	Fish		

- Calc
- Carb
- Chtdk
- Chltt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol

- Silt
 - Sil
 - Sulphur
 - Tuff
 - Chlorite
 - Dol
 - Sand
 - Sity
- FOSSIL**
- Algae
 - Amph

- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

- Coal
- Dol
- Gyp
- Ls
- Mrst
- Siltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt

- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

- POROSITY TYPE**
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint

- Vuggy
- SORTING**
- Well
 - Moderate
 - Poor

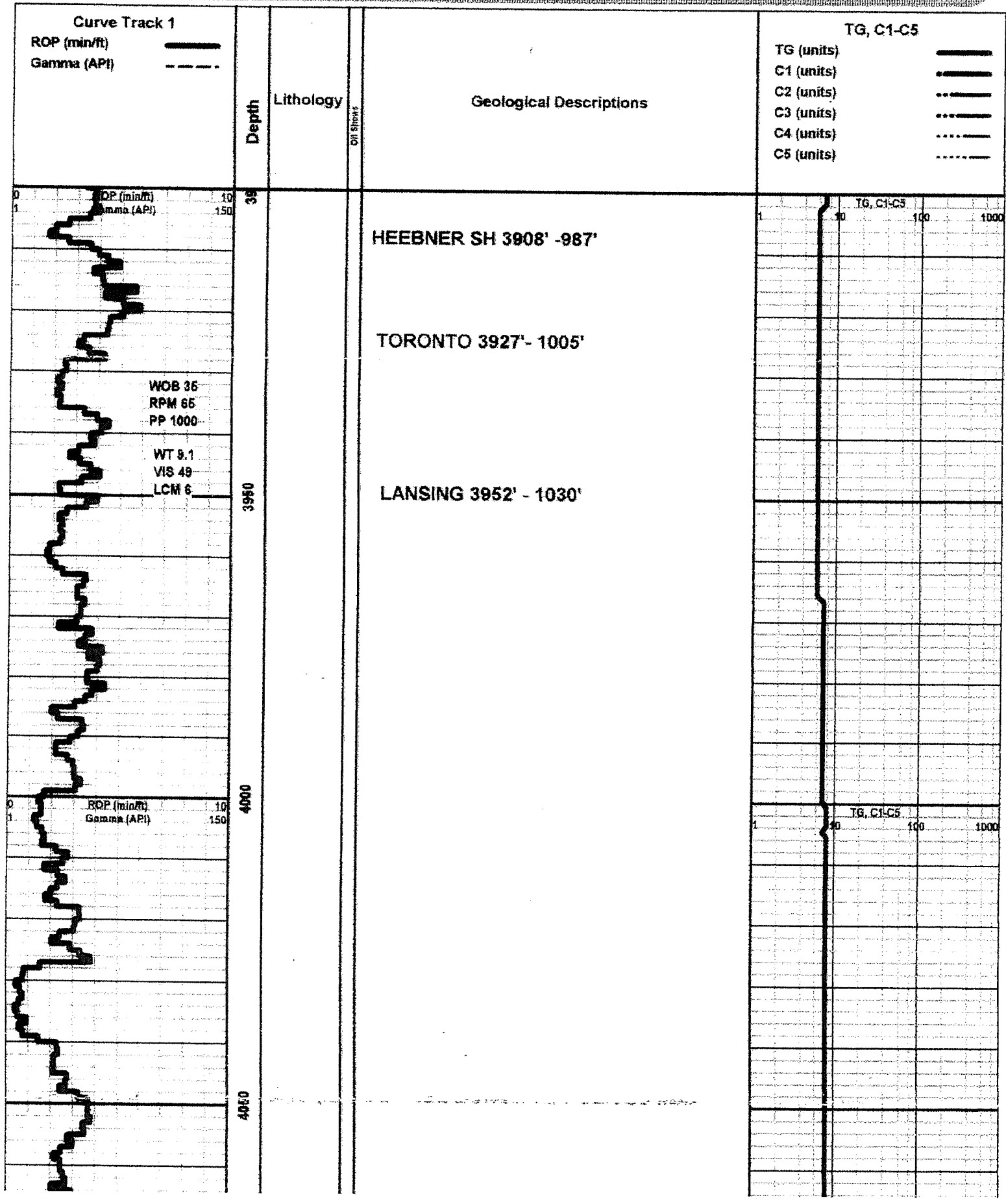
- ROUNDING**
- Rounded
 - Subrnd
 - Subang
 - Angular

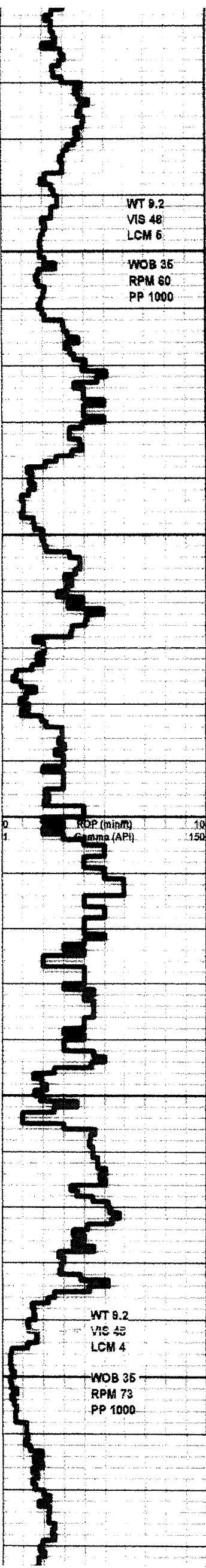
- Spotted
- Ques
- Dead
- Gas show

- Dst
- EVENTS**
- Rft
 - Sidewall

- OIL SHOWS**
- Even

- INTERVALS**
- Core
 - Dst





WT 9.2
VIS 48
LCM 6

WOB 35
RPM 60
PP 1000

ROP (min/hr) 10
Gamma (API) 150

WT 9.2
VIS 43
LCM 4

WOB 35
RPM 73
PP 1000

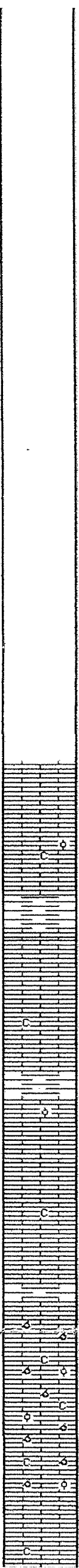
4100

4150

4200

4250

4300

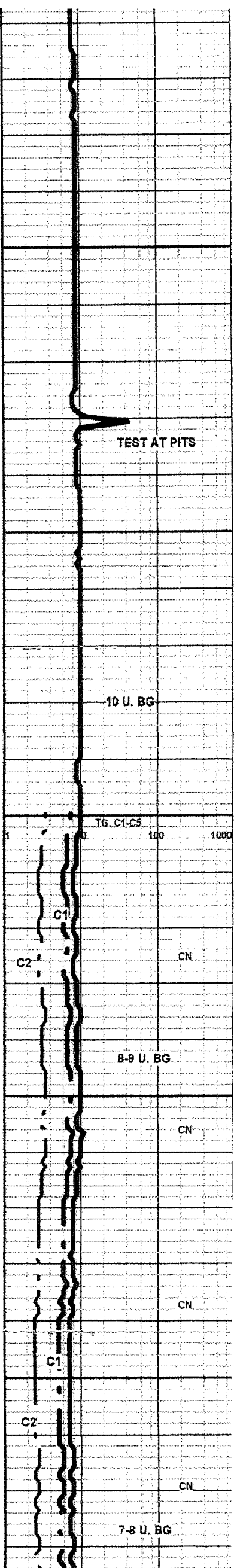


4200-4246' LMS-TAN TO TRS GRAYISH TAN;
CRYPTO-VW/F-XLN SUB CHLKY, SUB SUCRO, PACKSTN TO
TRS SUB-LITHO GRAPHIC; TR PHNTM OOLITIC IP, TRS SLI
SHLY; DLL YEL TO YEL FLUOR, NO CUT, NO VIS POR, W/
TRS CHRT GRAY OPAQUE

4246-4266' LMS-TRS TO HVY TRS WHT TO CRM CHLK & TAN;
CRYPTO-VW/FN-XLN; SUB CHLKY, SUB SUCRO TO
SUCRO; TRS PHNTM OOLITIC, DLL YEL TO YEL FLUOR; NO
CUT; HVY TRS TO ABDT PP, MICRO PP & POSS INTER-XLN
POR IP

4266-4285' LMS SIMILAR TO 4200-4246

4285-4360' LMS ABDNT WHT TO CRM, CHLK & GRAYISH TAN
TO TAN; CRYPTO TO VW/FN-XLN; W TO EXTREMELY
OOLICASTIC & OR EXTREMELY OOLITIC; MATRIX TRS SUB
CHLKY, SUB SUCRO TO SUCRO & PACKSTONE; DLL YEL TO
YEL FLUOR; NO CUT, ABDNT PR, FR TO GD, TO EXCELLENT
OOLICASTIC POR & HVY TRS PR TO FR MICRO PP & POSS
INTER-XLN POR



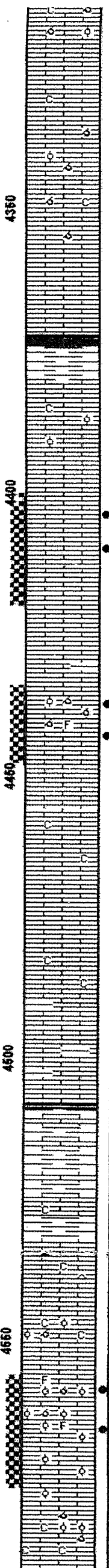
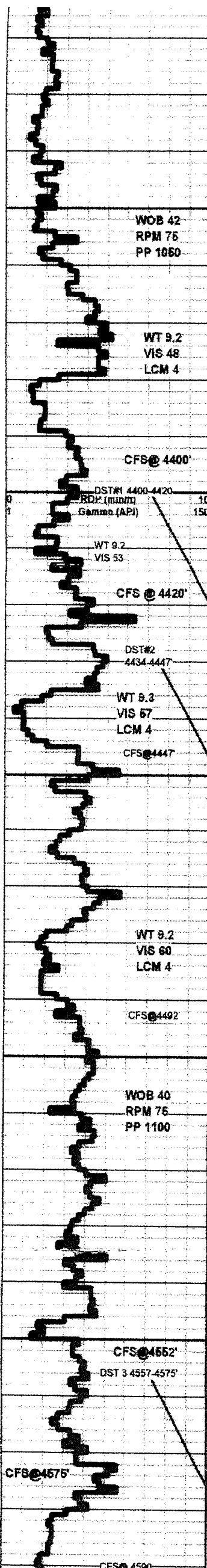
TEST AT PITS

10 U. BG

TG, C1-C5 100 1000

8-9 U. BG

7-8 U. BG



4360-4373- LMS-LT TO MED GRY; GRAY, TANISH IP;
CRYPTO-XLN TO PACKSTN TO TRS SUB LITHOGRAPHIC,
DLL YEL FLUOR, NO CUT, NO VIS POR

SH- MD TO VI DK GY CALC TO VI DK GY TO BLK CARB

4379-4389, LMS-HVY TRS TO ABDT WHT TO CRM-CHLK & TAN CRYPTO TO
VVWFN XLN; TRS SUB CHLKY, SUB SUCRO & PACKSTN, ABDT SLI TO FRLY
OOLITIC; DLL YEL TO YEL FLO, NO CUT, ABDT PR TO FR TO HVY TRS GD
TO EXCEL MICRO PP TO PRDB INTER-XLN POR

4389-4401 LMS- LT GRAY TO TAN; CRYPTO-XLN, PACKSTN TO VI ABDT SUB
LITHOGRAPHIC, DLL YEL TO YEL FLUOR, NO CUT

4401-4411 LMS-TN WI ABDT DK TN TO LT BRN STN; CRYPTO TO VVWFN
XLN; TRS SUB-CHLKY, SUB SUCRO TO SUCRO, TRS PACKSTN, PHNTM
OOLICAST IP; DLL GOLDEN TO GOLDEN YEL FLO, FLSH TO GOOD
STRMING CUTS, ABDT PR, FR, GO & TRS EXCELLENT, PP MICRO PP, PROB
INTER-XLN POR, GOOD TO STRNG OIL ODOR

4411-4435- LMS SIMILAR TO 4389-4401

4437-4447- LMS-HVY TRS WHT TO CRM-CHLK & CRM TO LT TN, HVY TRS
ABDT DARKER TN STN, SPTD TO EVEN OIL STN, GOOD TO STRNG OIL
ODOR; VI TO EXTREMELY OOLITIC & OR SLI TO VI OOLICASTIC, TRS FOSS
IP; MTRX CRYPTO TO VVWFN-XLN, TRS WHT MED TO CRS CALC XLS &
FRAGS; MTRX SUB CHLKY, SUB SUCRO TO SUCRO TRS PCKSTN, DLL GLD
TO BRIT GLD FLUOR, WI FLSH TO GOOD STRM CUT IP, ABDT PR, FR & TRS
GOOD TO SLI TR EXCEL OOLICASTIC, PP & MICRO PP POR, HVY TRS
INTER-XLN POR IP, QUEST PERM IP

4445-4466 LMS-INTERBEDDED LMSTS-1. LMS TAN, GRAYISH IP'S;
CRYPTO-VI-XLN; SUB CHLKY, SUB SUCRO, PACKSTN & TRS
SUB-LITHOGR, DULL YEL TO TRS YEL FLUOR, NO CUT, NO VIS POR

2. LMS- LT TO MED GRY-SLI TO FRLY SHLY, TANISH IP'S, CRYPTO TO
VVWFN-XLN; SUB CHLKY; TR SUB SUCRO & PACKSTONE, TRS SUB
LITHOGR; TRS WIDULL YEL FLUOR, NO CUT, NO VIS POR

4466-4476 LMS SIMILAR TO DESCRIPT #2 @ 4445-4466

4476-4490 LMS SIMILAR TO DESCRIPT #1 @ 4445-4466

4478-4480 LMS- VI ABDT WHT TO CRM-CHLK & LT TAN TO TAN; CRYPTO TO
VVWFN-XLN, ABDT SUB CHLK & SUB SUCRO TO TRS SUCRO; DLL LT YEL
TO LT YEL FLUOR; NO CUT, HVY TR PR TO TRS FR PP TO MICRO PP POR,
NO SHOW

4490-4509 INTERBEDDED LMST SIMILAR TO 4445-4466

BKC 4509-(1587)

4508-4532- LMS- LT TO MED, DK TO VI DK GRAY- SLI TO EXTREMELY SHLY,
GRDNG TO SH, MED TO VI DK GRAY- TO BLACK; CRYPTO TO TRS VVWFN-
XLN; SUB CHLKY & OR CHLKY, TRS SUB SUCRO & PCKSTN, NO FLUOR, NO
CUT, NO VIS POR

MARM. 4532'-(1610)

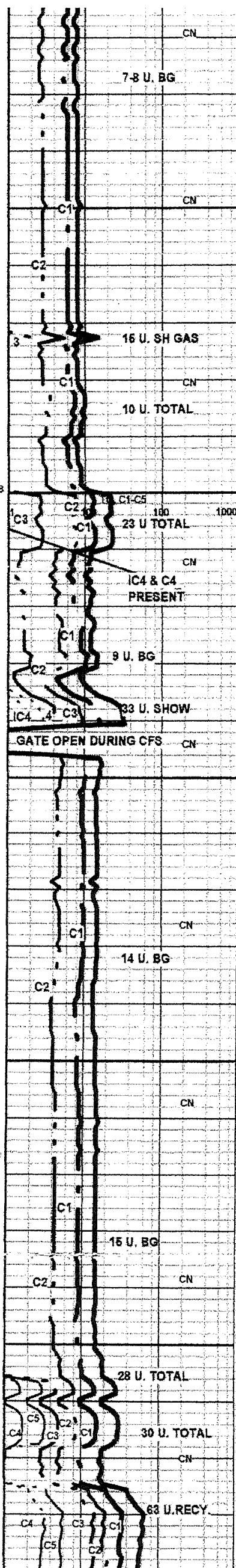
4532-4546- LMS- TN, GRYSH IP'S; CRYPTO-XLN, TRS SUB CHLKY, PCKSTN
& SUB LITHOGR; DLL LT YEL FLUOR, NO CUT, NO VIS POR, WI TRS CHRT
GRAY TO TAN, TRANSLCNT TO DPQUE

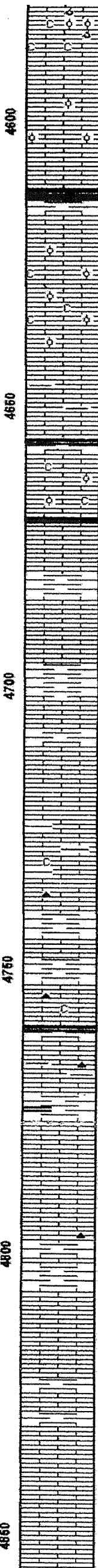
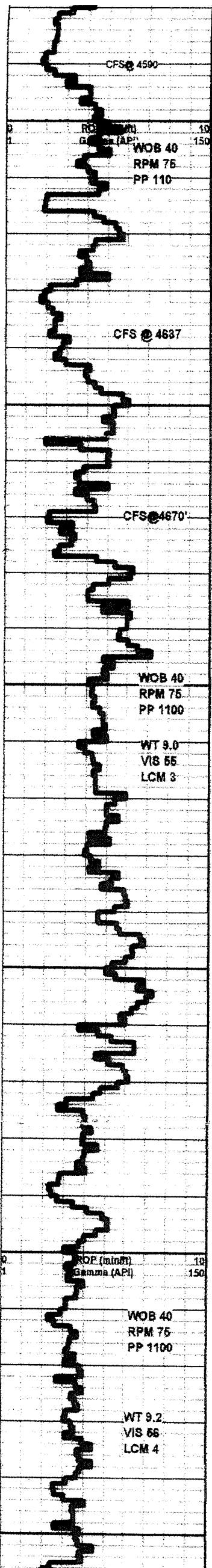
4546-4550- LMS- EXTR ABDT WHT TO CRM-CHLK & CRM TO TAN; CRYPTO
TO TRS VVWFN-XLN; VI TO HIGHLY OOLITIC & OR SLI TO FRLY OOLICASTIC
MATRIX, TRS SUB CHLKY & PCKSTN; LEMON YEL FLUOR, NO CUT, HVY
TRS TO ABDT PR, TR GD OOLICASTIC TO PP POR

4550-4557- LMS SIMILAR 4532-4546, NO CHERT

4557-4567 LMS-TRS WHT TO CRM, CHLK & LT TN TO TAN, GRYSH IP'S WI
ABDT DRKR TAN SPTD OIL STAIN, FR TO GOOD OIL ODOR; SUB
CHLKY, SUB SUCRO TO TR VI SUCRO & PCKSTN; VI TO EXTREMELY OOLITIC
IP'S & OR SLI TO FRLY OOLICASTIC IP'S, TRS FOSS FRGS, DLL GLDN
TO GLDN YEL & BRIT YEL FLUOR, ABDT FLUSH TO GD STRMING CUTS, HVY
TRS PR FR TR GD OOLICASTIC POR, ABDT PR TO FR & TR GOOD MICRO PP
TO INTER-XLN POR IP'S, ABDT WI QUEST PERM

4567-4581- LMS-GRAYISH TAN TO TAN, CRYPTO TO VVWFN-XLN; SUB
CHLKY, SUB SUCRO, PACKSTN & TRS SUB LITHOGR, PHNTM OOL
TO OOLITIC; DLL LT YEL FLUOR, NO CUT, NO VIS POR





4567-4581- LMS-GRAYISH TAN TO TAN, CRYPTO TO VV/FN-XLN; SUB CHLKY, SUB SUCRO, PACKSTN & TRS SUB LITHOGR, PHNTM OOL TO OOLITIC; DLL LT YEL FLUOR, NO CUT, NO VIS POR

4581-4590- LMS-VIEXTREMY ABDT WHT TO CRM CHLK & TRS TAN CRYPTO TO VV/FN-XLN; SLI TO VI OOLCASTIC & OR SLI TO VI OOLITIC, TRS FOSS FRGS; TRS SUB SUCRO & PCKSTN, VIDLL TO DLL YEL FLUOR, NO CUT; ABDT PR TO FR TRS GD OOLCASTIC POR, PROB NO PERM

4594-4613 LMS SIMILAR TO 4567-4581

4613-4616 SH- VI DK GY TO BLK SFT CARB

4616-4629 LMS - TANISH LT GRY TO TAN; CRYPTO TO VV/FN-XLN; TRS SUB CHLKY, SUB SUCRO, PCKSTN & TRS SUB LITHOGR; TRS PHNTM OOLITIC, VI DLL YEL FLUOR, NO CUT, NO VIS POR

4629-4637 LMS - HVY TRS TO ABDNT WHT TO CRM-CHLK & TAN, CRYPTO TO VV/FN; SUB CHLKY, SUB SUCRO TO SUCRO, W/PHNTM OOLITIC TO OOLITIC IP'S; DLL YEL FLUOR; NO CUT, ABDT PR TO FR & TRS GD MICRO PP POR & POSS INTER-XLN POR IP'S

4643-4648 LMS SIMILAR TO 4616-4629

4648-4656 LMS-LS LT GY TO TAN; CRYPTO TO VV/FN-XLN, TRS SUB CHLKY, TRS SUB SUCRO, PCKSTN & TRS SUB LITHOGR; SLI SHLY IP'S, DLL YEL FLUOR IP'S, NO CUT, NO VIS POR

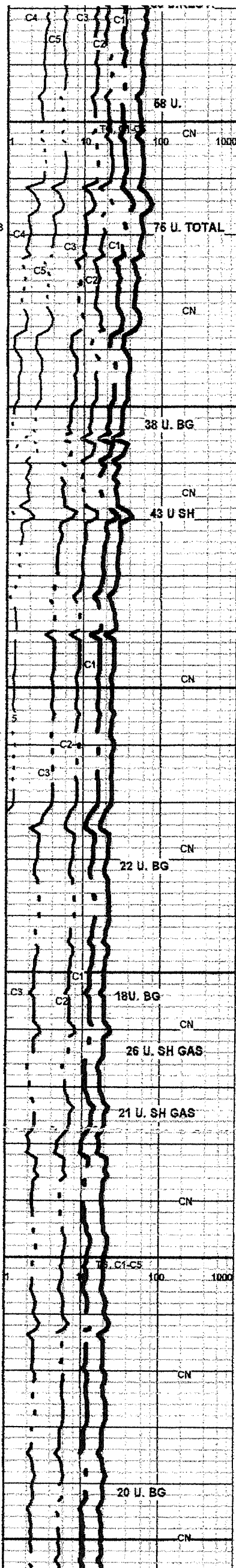
4656-4658 SH- VI DK GY TO BLK SFT CARB

4661-4667 LMS- HVY TRS TO ABDT WHT TO CRM & GRAYISH TAN TO TAN; CRYPTO TO VV/FN-XLN; SLI TO VI OOLITIC IP'S MATRIX & OR ROCK SUBCHLKY, SUB SUCRO TO SUCRO & PCKSTN; VIDLL TO DLL YEL FLUOR, NO CUT; TRS PR MICRO PP POR, NO SHOW

CHEROKEE 4671 (-1749)

4677-4863 INTERBEDDED LMS & SHALES

1. LMS- GRAYISH TAN TO TAN; CRYPTO TO VV/FN-XLN; SUB CHLKY, SUB SUCRO & SUCRO & PACKSTONE W/ TRS SUB-LITHOGR; DLL YEL TO TRS DUL YEL FLUOR, NO CUT NO VIS POR
2. LMS- LT TO MED & DK GY- SLI TO EXTREMELY SHLY GRDNG TO CALC SH; CRYPTO TO VV/FN-XLN; SUB CHLKY & OR SHLY TRS SUB SUCRO & PACKSTONE; TRS VV/DLL YEL FLUOR, NO CUT, NO VIS POR
3. SH- MED TO VI DK GY- SLI TO EXTREMELY CALC IP'S, GRDNG TO SHLY LMS
4. SH- VI DK GY TO BLK SFT CARB
5. SCATTERED TRS IP'S CHRT, LT TO DK GRY, OPAQUE TO TRANSLUCENT



4863- 4919 INTERBEDDED LMS & SHALES SIMILAR RO 4677-4863 W/ SHALE AMOUNT INCREASING & LIMESTONE AMOUNT DECREASING

MORROW 4919' (- 1997)

4919- 4937 SHALE MED TO DK GY & TR TO HVY TRS GRAYISH GREEN TO OLIVE GREEN, W/ ABDT LMS LT TO MED GRY, SLI TO V/ SHLY & GRAYISH TAN TO TAN & TRS LT BRN CRYPTO-TO V/V/FN-XLN ; SUB CHLKY & OR SHALY, SUB SUCRO & PCKSTONETR TO HVY TRS FRGMNT GRN FN TO MD W/ SCATTERED TO HVY TRS GLAUC OR CHLORITE, CRYPTO TO V/V/ FN -XLN , LM GRNS & FOSS FRGS; DLL YEL FLUOR, NO CUT , NO VIS POR

4937 - 4958- SHALES W/ LMS SIMILAR 4919-4937 W/ TRS YEL FLUOR; W/ GD STRMNG CUTS & NO VIS POR

4958-4976' SH- LT TO MD GY & TRS DK GY W/ TRS & HVY TRS GY GREEN & OLIVE GREEN W/ HVY TRS SILTY GRDNG TO SILTST- LT TO MD GY SH FILLED IP'S, CALC IP'S SCAT GLAUC OR CHLORITE, TRS DK TN TO BRN OIL STN IP'S, W/ DLL YEL TO DLL GREENISH YEL FLUOR, W/ FLSH TO GD STRMNG CUTS, NO VIS POR HVY TRS W/SHOW SIMILAR TO 4919-4937 W/ TRS YEL FLUOR, FAINT TO GD STRMNG CUTS; NO VIS POR

4976- 6002' QUTZ SDST TAN TO BRN FROM OIL STN, GRYISH IP'S; V/V/FN TO TRS V/FN GRN; ANG; PR TO GD SORT, SH FILLED IP'S; SLI TO FRLY GLAUC & OR CHLORITE, TRS HVY TRS W/ FINELY DISSEMINATED PYR, BRASSY YEL TO GLDN YEL FLUOR WHEN DRY, FLUSH TO EXCEL STRMNG CUTS, ABDT PR , HVY TR FR TO TR GD INTER-GRN POR; W/ PROB INTERBEDS SH MED TO DRK GY

6002-6013- SH - MED TO DRK GY & TRS LT GREEN TO OLIVE GREEN, TRS TO ABDT PYR

6013-6021 QURTZ SNDST- W/ PROB INTERBEDS SH SIMILAR TO 4976 - 6002'

6021' -6044' SH- MED GRY SFT & MUSHY & DK GRY , SPLNTY IP'S, TRS GREEN TO OILIVE GREEN, TRS TO ABDT PYR

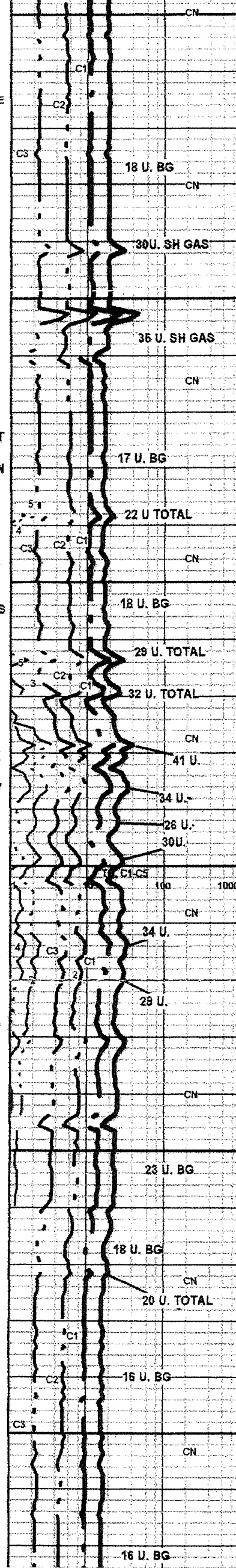
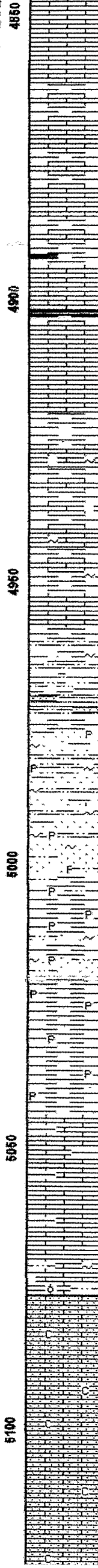
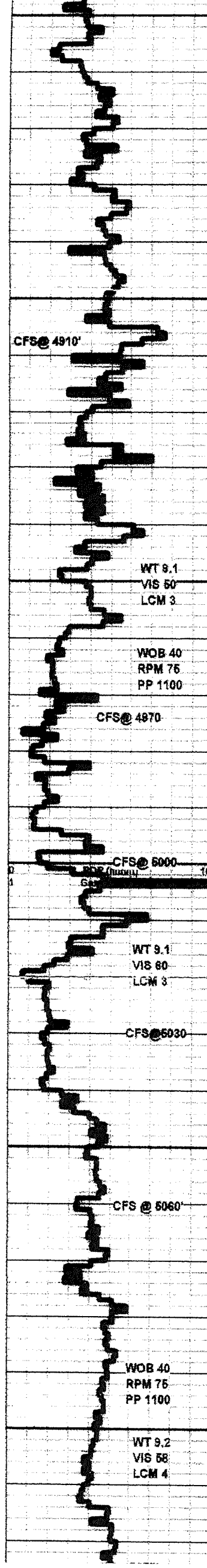
CHESTER 5044' (-2122)

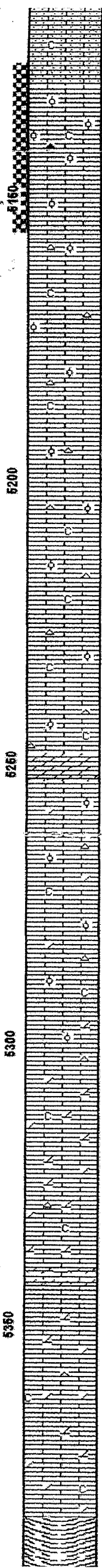
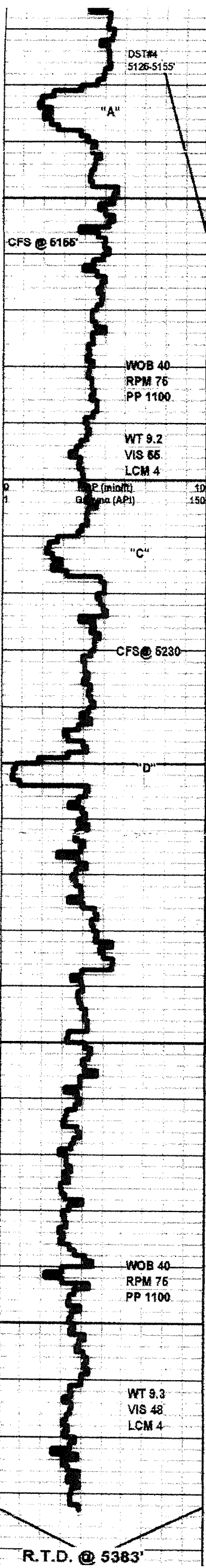
5044-5077' LMS- MED GY; CRYPTO-XLN, FRLY SHLY, SUB CHLKY OR SHLY & PCKSTN, NO FLUOR, NO VIS POR, NO CUT

5070-5077 FRGMNTD LMS LT TO MED GY W/ SPTTD TO EVEN TAN TO BRN OIL STN; V/FN TO MED GRNS (GRNS CRYPTO-V/V/FN-XLN) COMPOSED LM GRNS, FOSS FRGS & TRS OOLITES; MATRIX SUB SUCRO TO PCKSTN; SLI TO V/ SLTY IP'S W/ TRS SLTST, LT GY TO GRNSH LT GY; W/ TN TO BRN SPTTD OIL STN IP'S, CLAY, GLAUC & OR CHLORITE FILLED; YEL TO BRIT YEL FLUOR IN STAIN; FLUSH TO EXCEL STRMNG CUT, NO VIS POR

ST. GEN 5077' (-2155')

5077- 5130' LMS - LT TAN TO TAN, GRYISH IP'S; CRYPTO-V/V/FN-XLN, V/ TO EXTREMELY MICRO OOLITIC, W/ HVY TRS QURTZ GRNS, V/V/FN GRN, ANG, MATRIX TRS SUB CHLKY, SUB SUCRO & PCKSTN; V/ DLL TO DLL YEL FLUOR, NO CUT; NO VIS POR





ST. LOUIS 5130' (-2208')

5130-5139 LMS HVY TRS WHT TO CRM CHLK -TRS W/CHLK OOLITES & LT TAN;CRYPTO-VV/IFN XLN:ABDT SM MD TO TRS LRG OOLITES; MTRX CHLK,SUB CHLK,SUB SUCRO TO SUCRO & TRS PCKSTN; W/ TRS SPTTD BRN OIL STN; STN W/ DLL YEL GLDN FLUOR, FLUSH TO GD STRMING CUTS TO GD RING CUTS; TRS PR TO FR & SLI GD MICRO PP TO INTER-XLN POR; SOME LOOSE OOLITES,SLI TR CHRT ORNGE TRANSLUCENT

5139-5210 LMS- HVY TRS TO ABDT WHT TO CRM CHLK, TRS W/ CHLK OOLITES & TAN; CRYPTO TO VV/IFN-XLN; V/ TR EXTREMELY OOLITIC(SM ,MD & TRS LRG); MTRX TRS SUB CHLKY, SUB SUCRO & PCKSTN; DLL YEL FLUOR; NO CUT; NO VIS POR, TRS CHERT,ORANGE & TRANSLCNT

ST. LOUIS "C" 5210'(-2288)

5210-5217- LMS- HVY TRS TO ABDT WHT TO CRM CHLK, TRS W/ CHLKY OOLITES & TAN, CRYPTO-VV/IFN-XLN; V/ TO EXTREMELY OOLITIC(MED TO LRG & TRS SMLL); MATRIX TRS SUB CHLKY,SUB SUB SUCRO & PACKSTN, DLL LT YEL FLUOR; NO CUT; TRS PR MICRO PP POR IP'S, SLI TRS CHERT GRY TO TAN; OPQUE TO TRANSLUCENT

5217-5249' LMS- SIMILAR 5139-5210, W/ TRS CHERT, OFF WHT TO LT GY TO TAN, OPQUE TO TRANSLUCENT

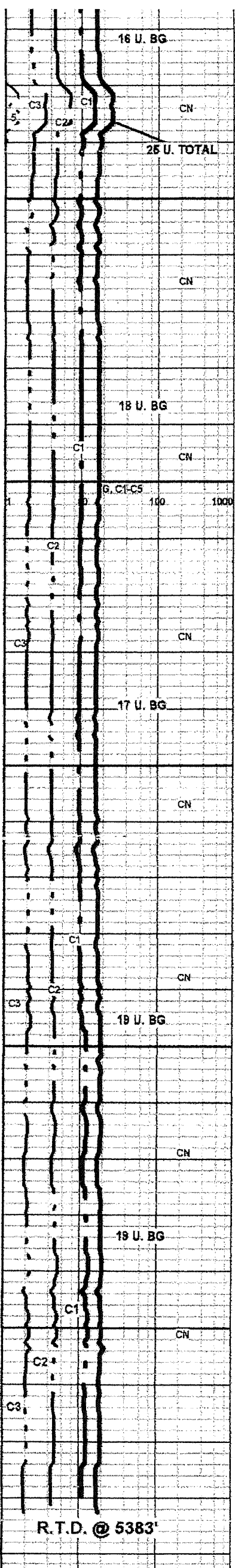
ST. LOUIS "D" 5249'(-2327')

5249- 5249' DOLO-LT GY; VV/IFN-XLN ; DLL YEL TO TRS GLDN YEL FLUOR, NO CUT

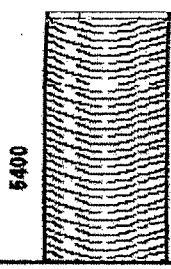
5254-5309' LMS- TRS WHT TO CRM-CHLK & TAN; CRYPTO TO VV/IFN- -XLN; TRS SUB CHLK, SUB SUCRO, PACKSTN & SUB LITHOGR; TRS TO ABDT W/ OOLITES(SM , MD TO TR LRG); TRS TO HVY TRS SLI TO FRLY DOLOMITIC, DLL YEL FLUOR; NO CUT; NO VIS POR; W/ TRS CHRT , OFF WHT, LT GY TO TAN; TRANSLUCENT TO OPQUE

5309- 5383' LMS- SLI TO FRLY DOLOMITIC; TRS WHT TO CRM CHLK & TAN TO GRAYISH TAN; CRYPTO-VV/IFN-XLN; SUB SUCRO, PACKSTONE & SUB LITHOGR. TRS V/ DLL YEL TO SLI TRS YEL FLUOR; NO CUT ,NO VIS POR, W/ TRS CHRT, WHT, LT GY TO TAN; TRANSLUCENT TO OPQUE

R.T.D. @ 12:55 PM - OCT. 23, 2015
CFS 80 MIN.



R.T.D. @ 5383'	
ROP (min/hr)	10
Gamma (API)	150



R.T.D. @ 12:55 PM - OCT. 23, 2015
 CFS 80 MIN.
 SHORT TRIP 10 STANDS
 GET MUD IN SHAPE FOR LOGS
 CTCH 2 HRS / TOFL

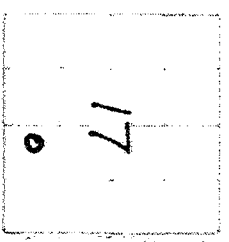
R.T.D. @ 5383'	
TG, CI, CS	100
	1000

GEOLOGIST'S REPORT

DRILLING TIME B SAMPLE LOG

COMPANY Belexco LLC LEASE Sidney NO. H-17 LOCATION 1050' E5L + 2305' FEL TWP 17 R. 26S R. 33W COUNTY Finney STATE Kansas FIELD Ivanhde	ELEVATIONS KB 2922 DF 2920 GL 2910 MEASUREMENTS ARE ALL FROM KB																																												
CONTRACTOR Belexco Daily Rig #1 COMM 10-9-2015 COMP. 10-24-2015 RTD 5383 LTD 5389	DRILLING TIME KEPT FROM 4200 TO TD SAMPLES EXAMINED FROM 4200 TO TD GEOLOGICAL SUPERVISION FROM 4200 TO TD GEOLOGIST ON WELL Edwin H. Striemes																																												
No. of DST'S Four No. of COR'S None SAMPLES SAVED FROM 4200 TO TD DRILLING TIME KEPT FROM 4200 TO TD SAMPLES EXAMINED FROM 4200 TO TD GEOLOGICAL SUPERVISION FROM 4200 TO TD GEOLOGIST ON WELL Edwin H. Striemes	FORMATION TOPS <table border="1"> <tr><td>Kansas City</td><td>4479</td><td>4380</td><td>1458</td></tr> <tr><td>BK</td><td>4504</td><td>4315</td><td>1543</td></tr> <tr><td>Daunce</td><td>4616</td><td>4623</td><td>1701</td></tr> <tr><td>Ft Scalf</td><td>4658</td><td>4653</td><td>1731</td></tr> <tr><td>Cherokee</td><td>4671</td><td>4617</td><td>1755</td></tr> <tr><td>Markew</td><td>4919</td><td>4920</td><td>1998</td></tr> <tr><td>Casten</td><td>5044</td><td>5048</td><td>2126</td></tr> <tr><td>St Genevieve</td><td>5077</td><td>5084</td><td>2162</td></tr> <tr><td>St Louis</td><td>5180</td><td>5118</td><td>2308</td></tr> <tr><td>St Louis "D"</td><td>5199</td><td>5125</td><td>2333</td></tr> <tr><td>TD</td><td>5303</td><td>5304</td><td>2333</td></tr> </table>	Kansas City	4479	4380	1458	BK	4504	4315	1543	Daunce	4616	4623	1701	Ft Scalf	4658	4653	1731	Cherokee	4671	4617	1755	Markew	4919	4920	1998	Casten	5044	5048	2126	St Genevieve	5077	5084	2162	St Louis	5180	5118	2308	St Louis "D"	5199	5125	2333	TD	5303	5304	2333
Kansas City	4479	4380	1458																																										
BK	4504	4315	1543																																										
Daunce	4616	4623	1701																																										
Ft Scalf	4658	4653	1731																																										
Cherokee	4671	4617	1755																																										
Markew	4919	4920	1998																																										
Casten	5044	5048	2126																																										
St Genevieve	5077	5084	2162																																										
St Louis	5180	5118	2308																																										
St Louis "D"	5199	5125	2333																																										
TD	5303	5304	2333																																										

API# 15-055-21416

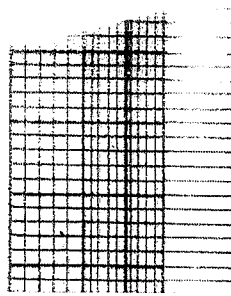


REMARKS **Earth-Tech had an unmanned gas detection trailer on this well from 3900 feet to total depth.**

Thank you
Edwin H. Striemes
Geologist

LITHOLOGY SANDSTONE LIMESTONE SHALE SANDSHEET	CHROMATOGRAPH HOT WIRE BY TOTAL GAS VOLUME	C1 = METHANE C2 = ETHANE C3 = PROPANE C4 = ISOBUTANE C5 = BUTANE C6 = ISOPENTANE C7 = PENTANE
--	---	---

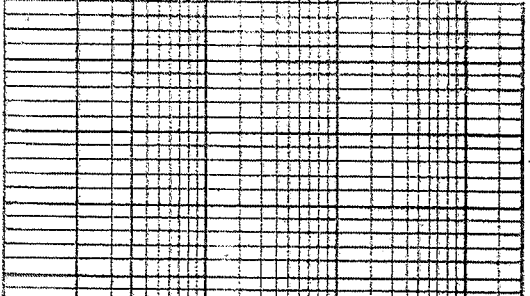
DRILL TIME SCALE	SAMPLE DESCRIPTION	GAS SCALE
------------------	--------------------	-----------



7 1/2 inch Bit Info:
#1 PDC 1335 to 3287
#2 New GT GT2516
In 3287 out 5383TD

Cia Points:

1.	4400	10.	4910
2.	4420	11.	4970
3.	4447	12.	5000



Core Points:

- 1. 4400
- 2. 4420
- 3. 4447
- 4. 4492
- 5. 4552
- 6. 4575
- 7. 4590
- 8. 4637
- 9. 4670
- 10. 4910
- 11. 4970
- 12. 5000
- 13. 5030
- 14. 5060
- 15. 5155
- 16. 5230
- 17. 5383TD

DST#1 Marmaton "D" 4551-4575
 2310' GTP
 2ft Clean Oil Grav. 30.60°
 14860CM 8% gas 30% oil; 61% Mud
 Total Fluid 150 ft

Tool Sample 100% oil 1120°F
 IHP 2202# Max Temp
 IFP 74-40# in 30 min
 ISIP 1092# in 60 min
 FFP 44-73# in 60 min
 FSIP 1031# in 120 min
 FHP 2178

DST#1 L.K.C. "A" 4400-4420
 ID VSS blow 3/8" Die 17 min
 FO No Blow

Rec 5' 1905 WCM 42% water 58% mud
 w/ spots of oil, 5% oil chkr
 chl 7000ppm Pchl 2500ppm
 Rwi: 1.0 @ 48° pH: 8.0

Tool Sample 20% water, 80% mud
 IHP 2010# Max Temp 118°F
 IFP 13-19# in 30 min
 ISIP 1259# in 60 min
 FF 20-23# in 30 min

FSIP 1220# in 60 min
 FHP 2002

DST#2 KC "B" 4434-4447
 ID STR blow BOB 5 min
 FO STR blow BOB 10 min
 1029 GIP

90ft Clean Gassy Oil 100%
 869ft 96% water, 4% Mud Thin Screen
 oil

Total Fluid 959' Grav: 137.9 @ 60°

chl. 55000ppm Pchl 4000ppm
 Rwi: 2.0 @ 56° pH: 7.0

Tool Sample 2% oil 97% water, 1% oil
 + some Gas Bubbles

IHP 2129# Max Temp 123°F
 IFP 60-29# in 30 min
 ISIP 1186# in 60 min
 FFP 306-46# in 60 min
 FSIP 1168# in 120 min
 FHP 2085

DST#3 Out of Order Above

DST#4 St Louis 5126-5155

ID 2 1/2" Right Away Built to 3" Blow
 FO No Blow Max Temp 130°F

Rec: 182' 2% gas; 98% Mud w/ thick
 screen of oil

chl 18000ppm; Pchl 1900ppm
 Rwi: .57 @ 65° pH: 7.2

Tool Sample 12% gas 32% water
 56% Mud w/ few specks oil

IHP 2412#
 IFP 87-100# in 30 min
 ISIP 1411# in 60 min
 FFP 106-119# in 30 min
 FSIP 1201# in 60 min

DST#4 St Louis 5126-5155
 ID 2 1/2" Right Away Built to 3" Blow
 FO No Blow Max Temp 130°F
 Rec: 182' 2" gas; 98% Mud w/ thick
 sum of oil
 Chl 18000 ppm; Pchl 1900 ppm
 Rv: .57 @ 65° pH. 7.2
 Tml Sample 12% gas 32% wt
 56% Mud w/ few specks oil
 IHP 2412#
 IFP 87-100# in 30 min
 ISIP 1411# in 60 min
 FIP 106-119# in 30 min
 PSIP 1381# in 60 min
 FHP 2352#

- Daily Duty Progress:
1. 4200 AT 8:18 AM 10-15-15
 2. 4375 AT 7:00 AM 10-16-15
 3. 4435 AT 7:00 AM 10-17-15
 4. 4492 AT 7:00 AM 10-18-15
 5. 4575 AT 7:00 AM 10-19-15
 6. 4712 AT 7:00 AM 10-20-15
 7. 5030 AT 7:00 AM 10-21-15
 8. 5155 AT 7:00 AM 10-22-15
 9. 5300 AT 7:00 AM 10-23-15
 10. 5383 AT 7:00 AM 10-24-15

Mud Info:

DATE	10-25	10-26	10-27	10-28	10-29	10-30	10-31	11-1
Depth	1166	1100	1147	1192	1175	1185	5011	5154
WT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Vis	49	53	50	56	50	56	56	49
PV	14	16	16	17	16	20	18	14
YP	16	19	18	21	18	20	21	15
ES	1/32	1/32	?	1/32	1/32	1/32	1/32	1/32
NL	10.4	8.0	8.0	7.2	8.8	6.8	8.4	9.2
cake	1/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	10.0	9.5	9.5	9.5	9.5	10.0	9.5	9.5
CL	3100	2500	4000	3500	3700	2800	1900	2900
C2	20	40	40	40	40	40	20	20
LCM	7.0	7.0	7.0	5.0	5.0	4.0	4.0	2.0

OPERATOR Barocco LLC LOCATION 1050' ESL + 1305' FEL
 LEASE Sidney NO. 1-17 SEC. 17 TWP. 26S RND. 33W
 ELEVATION 2892 KB RTD. 5383 COUNTY Finney STATE Kansas

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



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

Jay Scott Emler, Chairman
Shari Feist Albrecht, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

February 16, 2016

Evan Mayhew
BEREXCO LLC
2020 N. Bramblewood
Wichita, KS 67206-1094

Re: ACO-1
API 15-055-22426-00-00
Sidney 1-17
SE/4 Sec.17-26S-33W
Finney County, Kansas

Dear Evan Mayhew:

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 10/10/2015 and the ACO-1 was received on February 16, 2016 (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