

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1375014
OIL & GAS CONSERVATION DIVISION

Form ACO-1

November 2016

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

1375014



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 Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

TCores aken Yes No

Electric Log Run Yes No

Geologist Report / Mud Logs Yes No

List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
Name Top Datum

CASING RECORD New 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)

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5)			PRODUCTION INTERVAL: Top Bottom	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

TUBING RECORD:	Size:	Set At:	Packer At:
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Form	ACO1 - Well Completion
Operator	Spess Oil Company, a General Partnership
Well Name	SPRATT 1-19
Doc ID	1375014

All Electric Logs Run

Dual Induction Log
Dual Comp Porosity
Micro-Log
Borehole Comp Sonic
Direction Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Spess Oil Company, a General Partnership
Well Name	SPRATT 1-19
Doc ID	1375014

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
2	5309	5313			
2	5044	5048			Acid (500 gal, 15%, HCL)
2	4965	4968	CIBP	4700	Acid (500 gal, 15%, Hcl)
4	4628	4631			Acid (500 gal, 15%, Hcl)
4	4576	4582	CIBP	4500	Acid (500 gal, 15%, Hcl)
2	4120	4130			



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Spess Oil Company	Cement Pump No.:	37223-19570	Operator TRK No.:	78939
Address:	200 South Broadway Street	Ticket #:	1718-14536 L	Bulk TRK No.:	19827-19808 14355-37724
City, State, Zip:	Cleveland Ok 74020	Job Type:	Z42 - Cement Surface Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Spratt 1-19	Well Location:	19,25,33	County:	Finney State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-CON	440	3%CaCl, 1/4#POLYFLAKE, .2%WCA-1	19827-19808	Front	Back
PREMIUM PLUS	150	2%CaCl, 1/4#POLYFLAKE	14355-37724	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	1298	Man Hours:	
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	BPM	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
1:00							ON LOC, SAFTEY MTG, R.U.
8:05						2000	TEST LINES
8:10 AM	5.5					180	START MIXING @ 11.4#
8:44 AM	5.6	231				170	ON TAIL@14.8#
8:54 AM		36					SHUT DOWN, DROP PLG
8:56	5.2					60	START DISPLACEMENT
9:24	2.5	98				500	SLOW RATE
9:29 AM		108				520-1030	PLUG DOWN
9:31						1030-300	RELEASE PSI, FLOAT NOT HOLDING
							SHUT IN HEAD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	12 1/4	Depth	1740'		TYPE	
Size & Wt. Csg.	8 5/8 24#	Depth	1740'	New / Used	Packer	Depth
lbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature: <i>Kenneth White</i>	Basic Representative: CHAD HINZ
	Basic Signature: <i>[Signature]</i>
	Date of Service: 10/7/2017



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Job Log


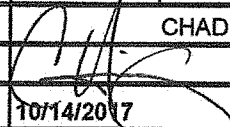
Customer:	Spess Oil Company	Cement Pump No.:	38119-19570	Operator TRK No.:	78939	
Address:	200 South Broadway Street	Ticket #:	1718-14539 L	Bulk TRK No.:	30464-37725	27808-19808
City, State, Zip:	Cleveland Ok 74020	Job Type:	Z42 - Cement Production Casing			
Service District:		Well Type:	OIL			
Well Name and No.:	Spratt 1-19	Well Location:	19,25,33	County:	Finney	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-CON BLEND	150	1/4#POLYFLAKE	30464-37725	Front	Back
AA-2	250	5%W-60,10%SALT, .5%C-17, 1/4#C-41P, 5#GILSONITE	27808-19808	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.89	17.82	433.5	Man Hours:	52
Tail:	14.8	1.51	6.65	377.5	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
2:00							ON LOCATION, SAFTEY MTG, R.U.
9:53						3300	TEST LINES
9:56 AM	2.6	12				190	PUMP MUD FLUSH
9:59 AM	2.6	5				190	PUMP H2O SPACER
10:06 AM							PLUG RAT & MOUSE
10:16	8					420	START MIXING A-CON @11.4#
10:24	8	52				200	ON TAIL @ 14.8#
10:37 AM		67					SHUT DOWN, DROP PLUG, WASHUP
10:44	7					140	START DISPLACEMENT
11:04	2	118				890	SLOW RATE
11:08		129				1100-1600	PLUG DOWN
11:10						1600-0	RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	7 7/8	Depth	5423'		TYPE	
Size & Wt. Csg.	5 1/2 15.5	Depth	5418.63'	New / Used	Packer	Depth
tbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature:  Basic Representative: CHAD HINZ
 Basic Signature: 
 Date of Service: 10/14/2017

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: SPRATT 1-19

API: 15-055-22464

Location: S2 S2 NW4 NE4 Sec.19 T25S-R33W, FINNEY CO., KANSAS

License Number:

Region: SW Kansas

Spud Date: 10/05/2017

Drilling Completed: 10/13/2017

Surface Coordinates:

Bottom Hole

Coordinates:

Ground Elevation (ft): 2,931'

K.B. Elevation (ft): 2,942'

Logged Interval (ft): 4,000

To: 5,423'

Total Depth (ft): 5,423'

Formation:

Type of Drilling Fluid:

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

OPERATOR

Company: SPESS OIL COMPANY

Address: 120 S. Broadway
Cleveland, OK 74020

GEOLOGIST

Name: DWIGHT BREHM

Company: BREHM ASSET MANAGEMENT, LLC

Address: 11625 Custer Road, Suite 110-353
Frisco, TX 75035

SHOWS

FT. SCOTT 4,575'-4,585' & 4,628'-4,636'

MORROW 4,920'-4,930'

SAMPLES

SAMPLES TAKEN AT 10 FT. INTERVALS

4,000'-5,423'

EXAMINED UNDER MICROSCOPE & BLACK LIGHT

Comments

DRILLING TIME NOT PLOTTED PDC BIT TIME NOT RELIABLE
 TRI-CONE BIT START 4,990' DRILLED STRAIGHT LINE 5 MIN/FT

ROCK TYPES

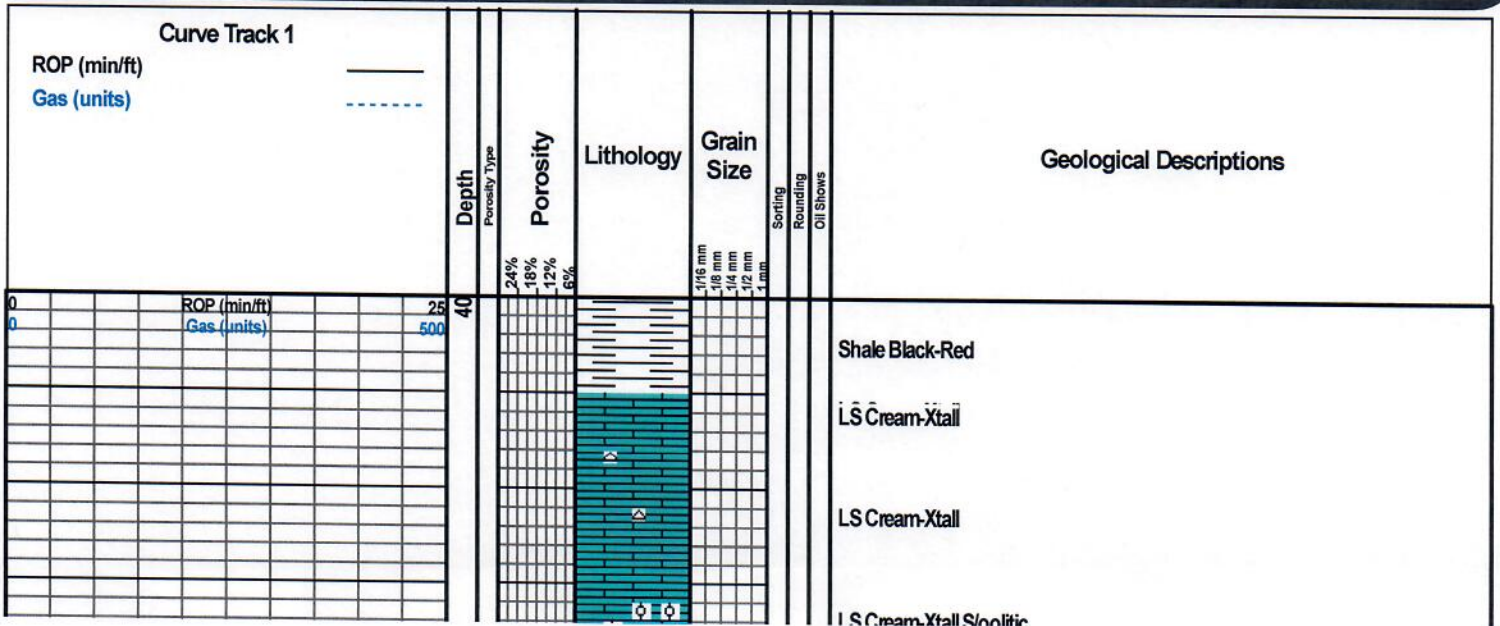
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

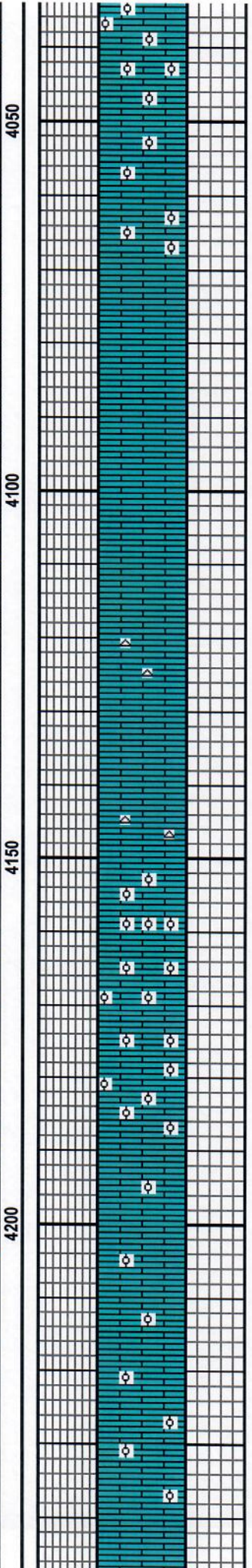
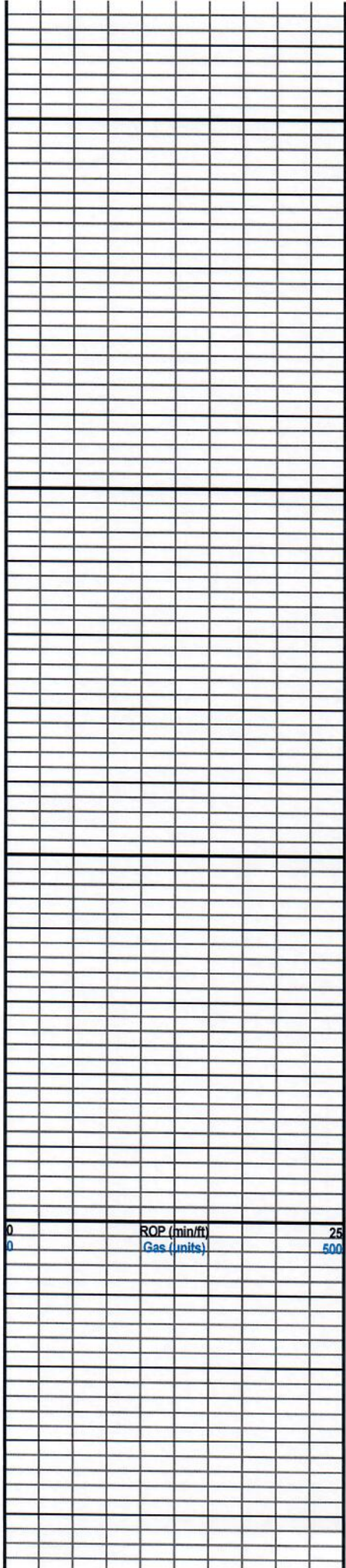
ACCESSORIES

MINERAL	Gyp	FOSSIL	Oolite	Mrst
Anhy	Hvymn	Algae	Ostra	Sltstrg
Arggrn	Kaol	Amph	Pelec	Ssstrg
Arg	Marl	Belm	Pellet	
Bent	Minxl	Bioclst	Pisolite	TEXTURE
Bit	Nodule	Brach	Plant	Boundst
Brecfrag	Phos	Bryozoa	Strom	Chalky
Calc	Pyr	Cephal		Cryxln
Carb	Salt	Coral	STRINGER	Earthy
Chtdk	Sandy	Crin	Anhy	Finexln
Chtlt	Silt	Echin	Arg	Grainst
Dol	Sil	Fish	Bent	Lithogr
Feldspar	Sulphur	Foram	Coal	Microxln
Ferrpel	Tuff	Fossil	Dol	Mudst
Ferr		Gastro	Gyp	Packst
Glau		New symbol	Ls	Wackest

OTHER SYMBOLS

POROSITY	Vuggy	ROUNDING	Spotted	EVENT
Earthy		Rounded	Ques	Rft
Fenest	SORTING	Subrnd	Dead	Sidewall
Fracture	Well	Subang		
Inter	Moderate	Angular	INTERVAL	
Moldic	Poor		Core	
Organic		OIL SHOW	Dst	
Pinpoint		Even		





LS Cream Oolitic

LS Cream-Tan Oolitic

LS Cream-Tan Oolitic

LS Cream Xtall

LS Cream-Gray Xtall

LS Cream-Tan Xtall

LS Foss Oolitic some staining

LS Foss Oolitic some staining

LS Cream-Tan OCC Chert

LS Cream-Tan Xtall

LS Cream Xtall

LS Brown Oolitic

LS Brown Oolitic

LS Brown Oolitic

LS Cream-Gray Chalky

LS Tan-Brown Oolitic

LS Tan-Brown S/oolitic

LS Tan-Brown S/oolitic

LS Tan-Brown S/oolitic

LS Tan-Brown S/oolitic

LS Tan-Gray Dns Xtall

4050

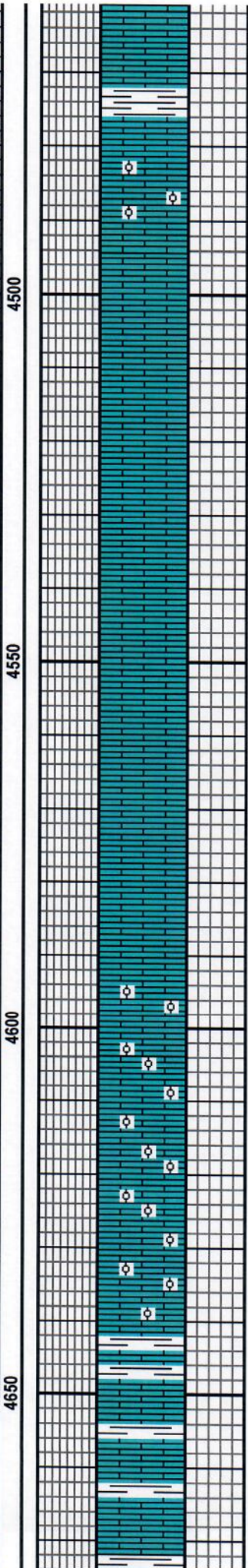
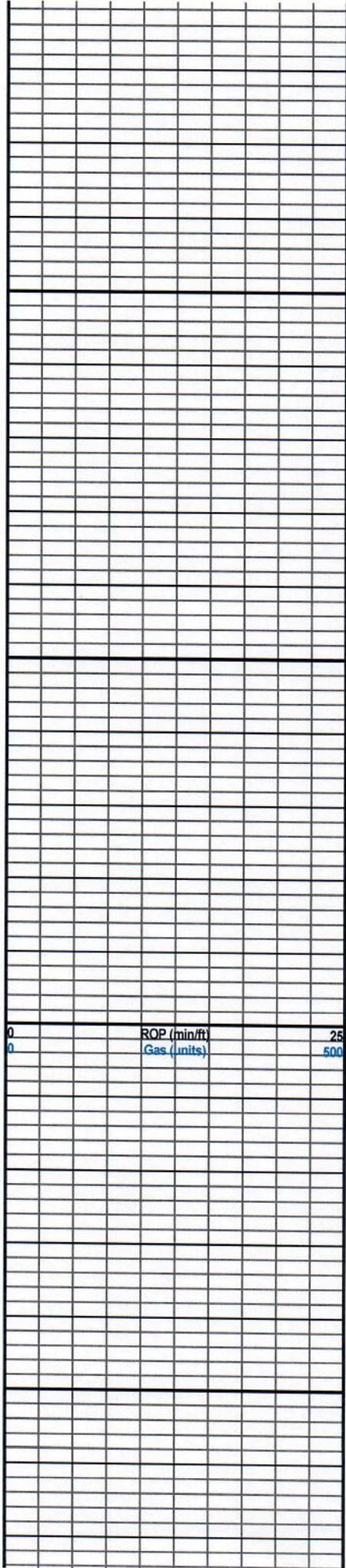
4100

4150

4200

ROP (min/ft)
Gas (units)

25
500



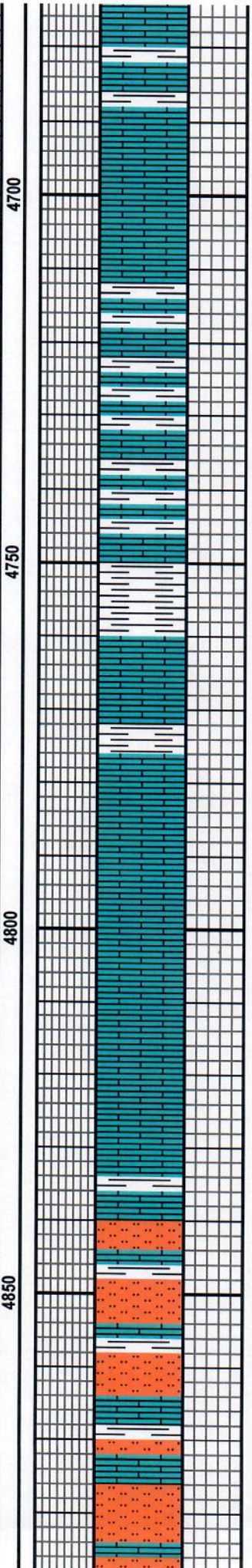
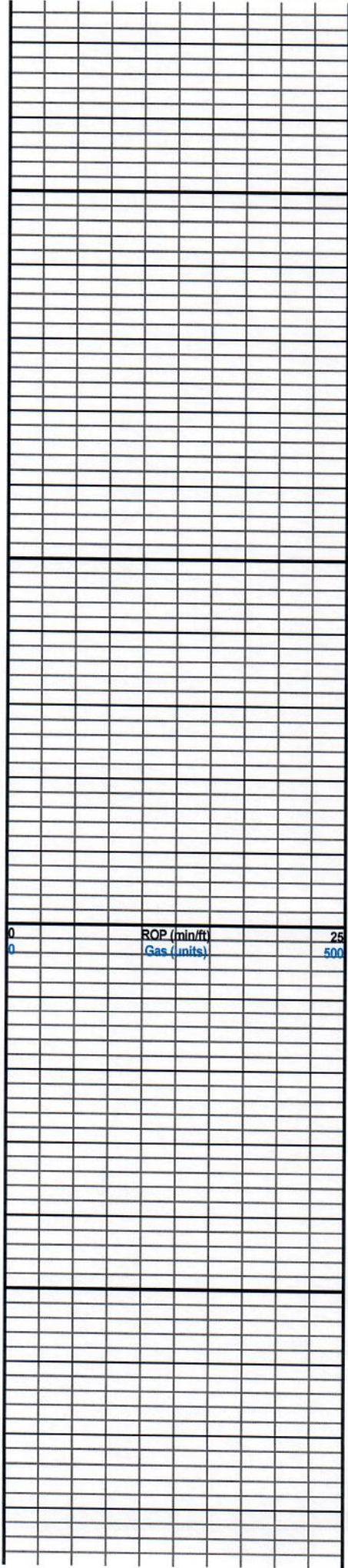
- LS Tan-Brown Dns Xtall
- LS Tan-Brown Dns Xtall Shaley
- LS Brown Oolitic
- MARMATON SAMPLES 4,496'**
- LS Cream-Tan Xtall, OCC Chert
- LS Cream-Tan Xtall, OCC Chert
- LS Tan Xtall
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- LS Brown Oolitic Stained SFO
- FT. Scott Samples 4,595'**
- LS Brown Oolitic Stained SFO
- LS Tan Oolitic
- LS Tan Oolitic
- LS Tan Oolitic Stained SFO
- LS & Shale
- LS Tan Dns Xtall
- Shale Red & Black
- LS Tan Dns Xtall
- Shale Red & Black

4500

4550

4600

4650



Shale Red & Black

LS Tan Dns Xtall

Shale Red & Black

Ls Tan Dns Xtall

LS Tan-Gray Dns

Vericolored Shale

LS Tan-Gray

LS Tan-Gray

Vericolored Shale

Vericolored Shale

LS Tan-Gray

Vericolored Shale

LS Tan-Gray

Vericolored Shale

LS Tan Dns Xtall

Vericolored Shale

LS Tan Dns Xtall

LS Tan-Gray Dns Xtall

LS Tan-Gray Dns

LS Tan-Gray Dns

LS Tan-Gray Dns

LS Tan-Gray Dns Xtall

Red & Black Shale

LS Tan-Gray Dns

Siltstone & Shale

LS Gray Dns

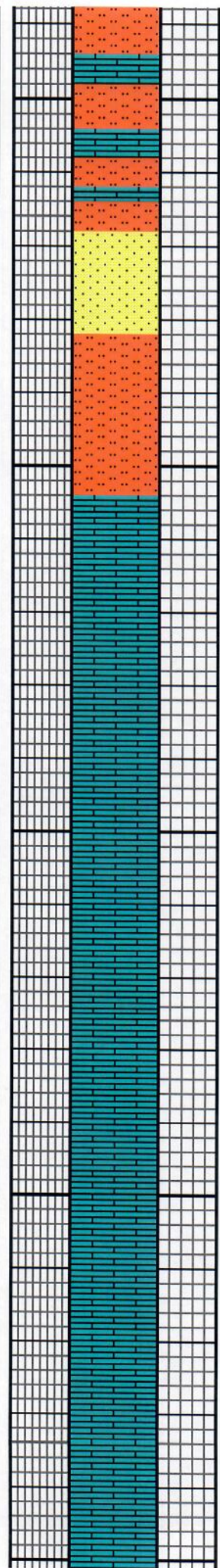
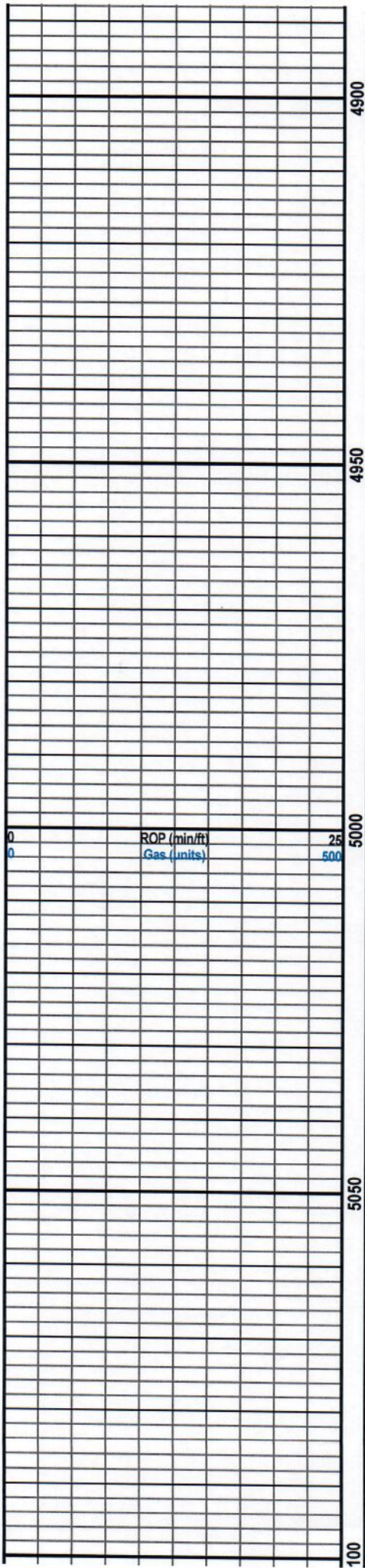
Siltstone & Shale

LS Gray Dns

Siltstone & Shale

LS Gray Dns

Siltstone & Shale



LS Tan-Gray Dns

Siltstone & Shale

LS Tan-Gray

Siltstone & Shale

LS Tan-Gray

Siltstone & Shale

MORROW SAND SAMPLES 4,920'

● SS Brown-Gray FN Grain

● Stained SFO

Siltstone & Shale

Siltstone & Shale

Siltstone & Shale

ST. GEN SAMPLES 4,960'

LS Brown Xtall

LS Brown Xtall

LS Brown Xtall

LS Brown Xtall

LS Brown-Gray

LS Brown-Gray

LS Brown-Gray

Sandy LS-White

Sandy LS-White

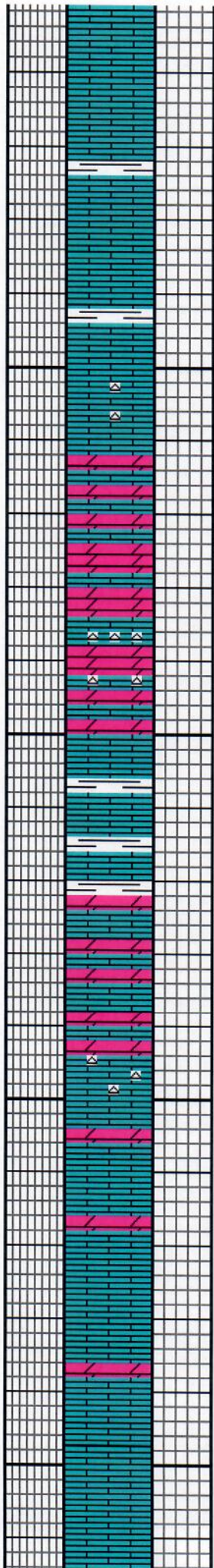
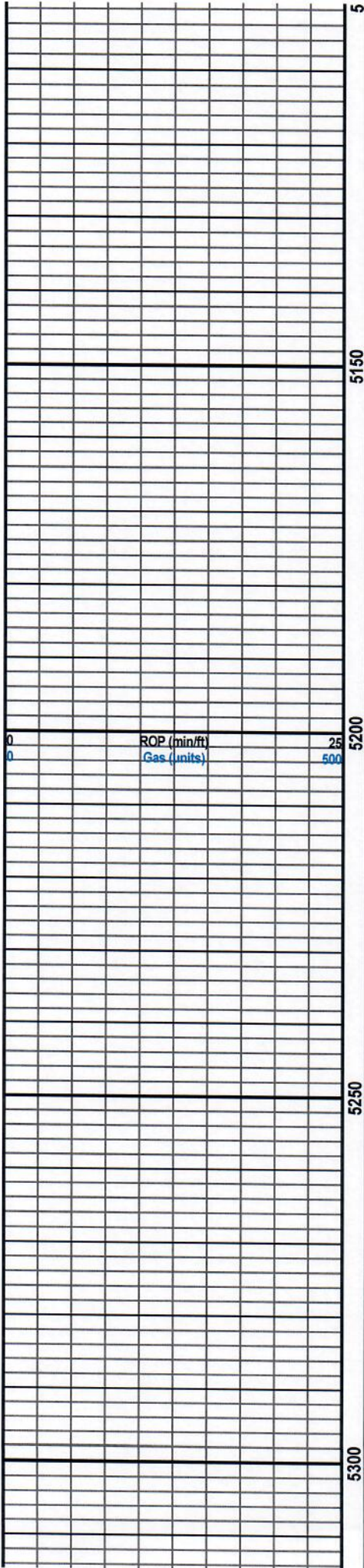
Sandy LS-White

Sandy LS-White

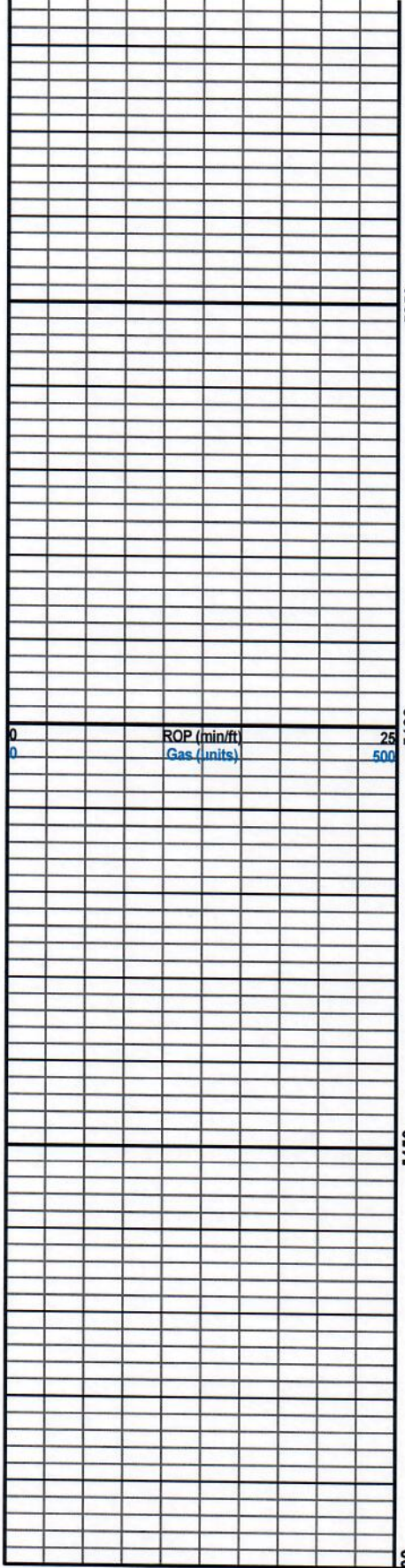
Sandy LS-White

Sandy LS-White

Sandy LS-White

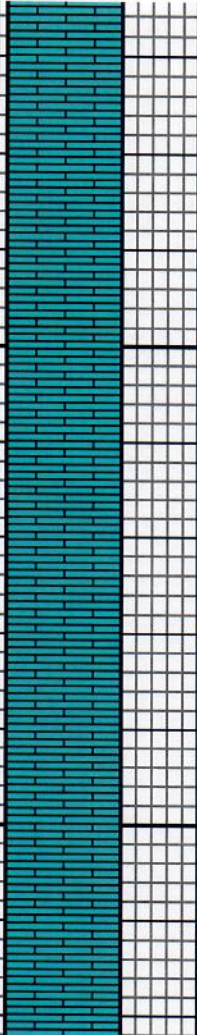


- Sandy LS-White
- Sandy LS-White
- Sandy LS-White
- Shale Black
- LS Cream Foss
- LS Cream Foss
- Shale Black-Green
- LS Cream-Gray Dns Xtall
- Some Foss OCC Chert
- LS Tan-Gray Xtall Dolo
- LS Tan-Gray Xtall Dolo
- LS Tan-Gray Xtall Dolo
- Chert
- LS Tan-Gray Xtall Dolo
- LS Tan-Gray Dolo
- Shale Black
- LS Tan-Gray
- Shale Black
- LS Tan-Gray Xtall Dolo
- LS Tan-Gray Dolo
- LS Tan-Gray Dolo
- Chert
- LS Tan-Brown Xtall
- Dolo
- LS Tan-Brown Xtall
- Dolo
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall
- Dolo
- LS Tan-Brown Xtall
- LS Tan-Brown Xtall



ROP (min/ft)
Gas (units)

25
500



LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

LS Tan-Brown Xtall

TOTAL DEPTH 5,423'