



KANSAS CORPORATION COMMISSION 1088750  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9951  
Name: Krier, Kirby Oil, Inc.  
Address 1: 1043 NE 80TH RD  
Address 2: \_\_\_\_\_  
City: CLAFLIN State: KS Zip: 67525 + 9159  
Contact Person: Kirby Krier  
Phone: ( 620 ) 587-3810  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc  
Wellsite Geologist: Jim Musgrove  
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  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>7/10/2012</u>	<u>7/15/2012</u>	<u>7/15/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25712-00-00

Spot Description: \_\_\_\_\_  
NE SW NW NW Sec. 25 Twp. 16 S. R. 12  East  West  
800 Feet from  North /  South Line of Section  
500 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Barton

Lease Name: Remmers A Well #: 2

Field Name: Kraft-Prusa

Producing Formation: N/A

Elevation: Ground: 1929 Kelly Bushing: 1931

Total Depth: 3368 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 432 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: 78000 ppm Fluid volume: 650 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 08/31/2012



1088750

Operator Name: Krier, Kirby Oil, Inc. Lease Name: Remmers A Well #: 2  
 Sec. 25 Twp. 16 S. R. 12  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOPEKA</td> <td>2709</td> <td>-778</td> </tr> <tr> <td>HEEBNER</td> <td>2995</td> <td>-1064</td> </tr> <tr> <td>TORONTO</td> <td>3014</td> <td>-1083</td> </tr> <tr> <td>DOUGLAS</td> <td>3024</td> <td>-1093</td> </tr> <tr> <td>BROWN LIME</td> <td>3089</td> <td>-1158</td> </tr> <tr> <td>LANSING</td> <td>3107</td> <td>-1176</td> </tr> <tr> <td>BASAL SAND</td> <td>3350</td> <td>-1419</td> </tr> </table>	Name	Top	Datum	TOPEKA	2709	-778	HEEBNER	2995	-1064	TORONTO	3014	-1083	DOUGLAS	3024	-1093	BROWN LIME	3089	-1158	LANSING	3107	-1176	BASAL SAND	3350	-1419
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	20	432	Common	200	3% CC, 2% Gel.

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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

<b>TUBING RECORD:</b>		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 908

Date	7-11-12	Sec.	25	Twp.	16	Range	12	County	Butler	State	Ks	On Location		Finish	4:45 AM
Lease	Remmers	Well No.	A-2			Location Beaver, Ks - 3E to Odin Rd, 45									
Contractor	Royal	#1	Owner F/Intro												
Type Job	Surface		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Hole Size	12 1/4"	T.D.	432'												
Csg.	8 5/8"	Depth	432'												
Tbg. Size		Depth	Charge To Kirby Kries												
Tool		Depth	Street												
Cement Left in Csg.	15'	Shoe Joint	15'												
Meas Line		Displace	26 1/2 BLS												
												The above was done to satisfaction and supervision of owner agent or contractor.			
												Cement Amount Ordered 200 sx Common 3 1/2 CC			

**EQUIPMENT**

Pumptrk	9	No.	Cementor	Travis	2% Gel
			Helper		Common
Bulktrk	10	No.	Driver	Levy	Poz. Mix
			Driver		Gel.
Bulktrk	p.u.	No.	Driver	Rick	Calcium
			Driver		Hulls

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate.	Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or GD110 CAF 38
D/V or Port Collar		Sand
		Handling
		Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 - wooden plug
	Pumptrk Charge
	Mileage

X Signature *Doug Rudy*

Tax	
Discount	
Total Charge	

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 719

Date <u>7-5-12</u>	Sec. <u>25</u>	Twp. <u>16</u>	Range <u>12</u>	County <u>Barton</u>	State <u>KS</u>	On Location	Finish <u>1:15 PM</u>
Lease <u>RENNERS</u>	Well No. <u>A-2</u>	Location <u>B-3E</u>					
Contractor <u>Royal #1</u>				Owner			
Type Job <u>Rotary Plug</u>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <u>7 7/8</u>	T.D. <u>3348</u>			Charge To <u>Kirby Krick</u>			
Csg.	Depth			Street			
Tbg. Size	Depth			City			
Tool	Depth			State			
Cement Left in Csg.	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace			Cement Amount Ordered <u>205 6/4 = 4 1/2 1/4 1/10</u>			

**EQUIPMENT**

Pumptrk <u>5</u>	No.	Cement Helper <u>W.G.</u>	Common
Bulktrk <u>5</u>	No.	Driver <u>W.G.</u>	Poz. Mix
Bulktrk <u>12</u>	No.	Driver <u>W.G.</u>	Gel.

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole <u>30</u>	Hulls
Mouse Hole <u>15</u>	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port. Collar	Mud CLR 48
<u>1 1/2</u> <u>3315</u> <u>25SK</u>	CFL-117 or CD110 CAF 38
<u>2 1/2</u> <u>807</u> <u>25SK</u>	Sand
<u>3 1/2</u> <u>476</u> <u>100SK</u>	Handling
<u>4 1/2</u> <u>40</u> <u>10SK</u>	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	<u>8 1/2 in Plug</u>
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	
Mileage	
	Tax
	Discount
	Total Charge

X Signature Paul Busby

**OPERATOR**

Company: Kirby Krier Oil, Inc.  
Address: 8411 Preston Rd Ste 800  
Dallas, TX 75225

Contact Geologist: Allen Bangert  
Contact Phone Nbr: 214-219-8883  
Well Name: Remmers A #2  
Location: NE-SW-NW-NW Sec. 25-T16S-R12W API: 15-009-25712-00-00  
Pool: Kraft-Prusa  
State: Kansas Country: USA

**Scale 1:240 Imperial**

Well Name: Remmers A #2  
Surface Location: NE-SW-NW-NW Sec. 25-T16S-R12W  
Bottom Location:  
API: 15-009-25712-00-00  
License Number:  
Spud Date: 7/10/2012 Time: 9:00 AM  
Region: Barton County  
Drilling Completed: 7/14/2012 Time: 7:00 PM  
Surface Coordinates: 2310' FNL & 1185' FWL  
Bottom Hole Coordinates:  
Ground Elevation: 1926.00ft  
K.B. Elevation: 1931.00ft  
Logged Interval: 2800.00ft To: 3368.00ft  
Total Depth: 3368.00ft  
Formation: Arbuckle  
Drilling Fluid Type: Chemical/Fresh Water Gel

**LOGGED BY**

# Musgrove

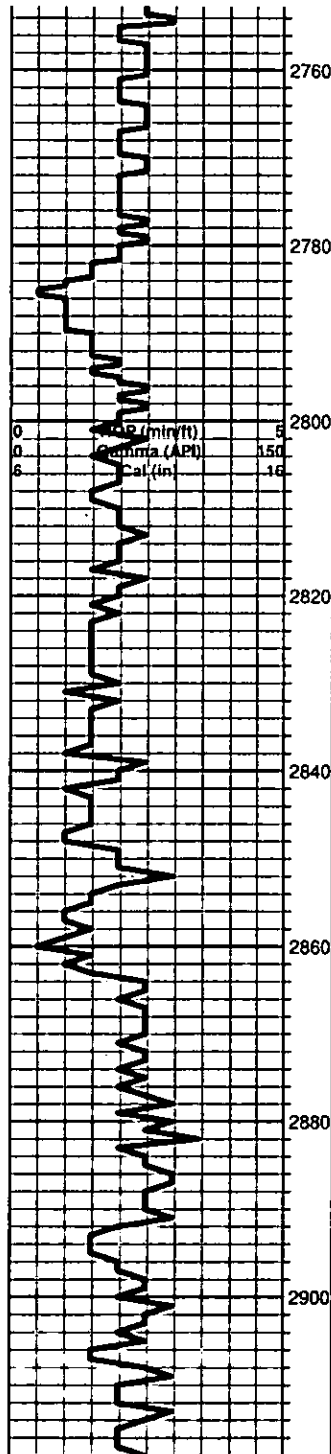
**PETROLEUM  
CORPORATION**  
Claffin, Kansas

Company: Musgrove Petroleum  
Address: 212 Main Street  
Claffin, KS 67525

Phone Nbr: 620-450-7087  
Logged By: Geologist

Name: Kurt Talbott





A/A chert-gry/tan

Ls-gry/buff, granular, scattered ppt por, chalky, dense, cherty,

Ls-tan/gry, fxln, fossils, dense, poor vis por, cherty

A/A

A/A shale-gry/grn

Black carbon shale

Shale-gry/grn  
Ls-tan/crm fxln, fossils, poor por

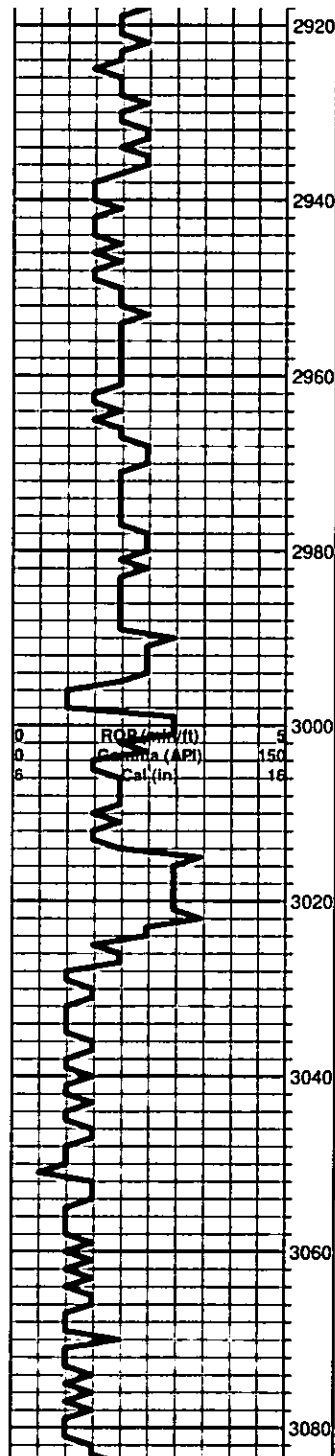
Ls-tan/crm, fxln, fossils, poor vis por, chalky, slightly cherty

Ls-crm/tan, fxln, fossils, poor vis por, chalky

A/A

Black carbon shale

0	Total Gas (units)	100
0	C1 (units)	700
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Ls-cream/tan, fxl, ool, dense, poor inner ool/xln por, trace spotty brwn stns, NSFO, faint odor

Ls-tan/gry, fxl, fossils, dense, poor vis por, chert-black/gry

Ls-cream/tan, fxl, ool, dense, poor inner xln por, Trace spotty brwn stains, NSFO, faint odor

Ls-cream/tan/wht, fxl, ool, granular, poor inner xln to ppt por, Trace brwn stains, NSFO, Faint odor, Chert-gry/blk

Ls-cream/tan, fxl, few fossils, dense, poor por

**Heebner 2995.0 (-1064.0) 0.0**

Black carbon shale

Shale-gry/grn

**Toronto 3014.0 (-1083.0) 0.0**

Ls-tan/buff, fxl, fossil frag, poor scattered vug por, Trace brwn stns, NSFO, no odor

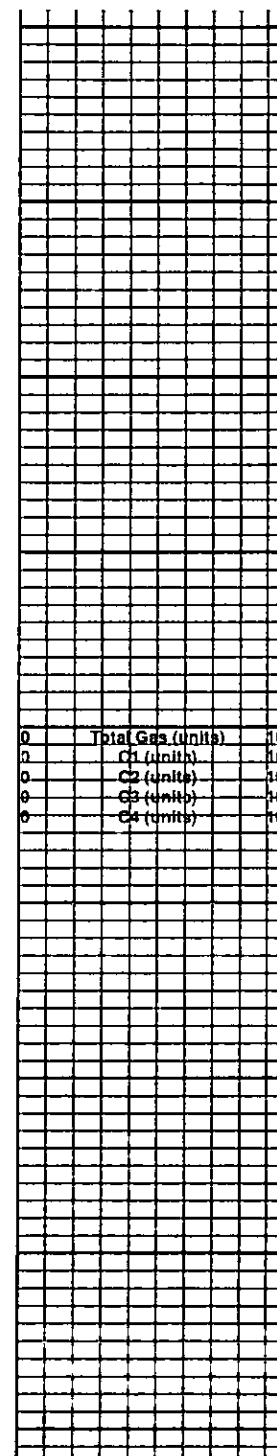
**Douglas 3024.0 (-1093.0) 0.0**

Shale-maroon/gry

A/A

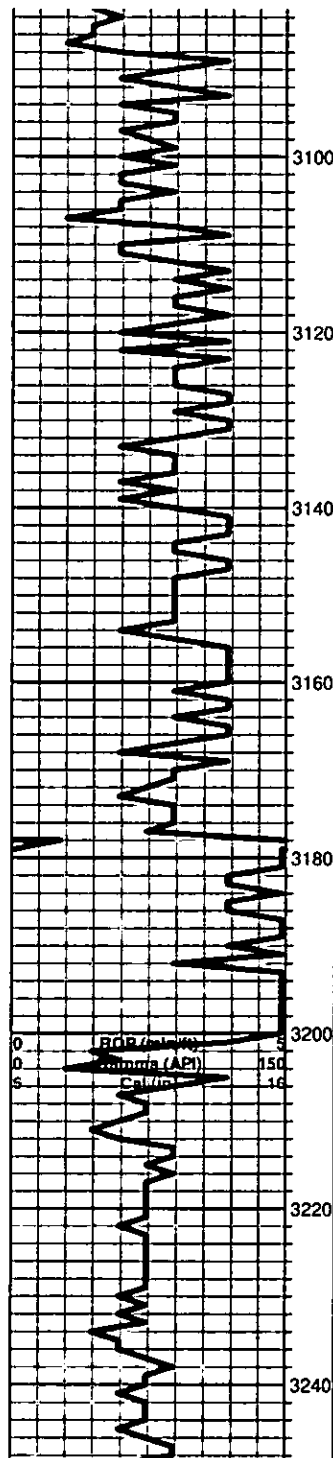
Trace vfg sand- gry, sub round, mostly friable poorly developed por,

Shale-A/A



0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100





### Brown Lime 3089.0 (-1158.0) 0.0

Ls-tan/buff, fxln, dense, no vis por

### Lansing 3107.0 (-1176.0) 0.0

Ls-tan/crm, fxln, ool/fossils, poor iner xln w/finely vug por, scattered lt brwn stns, NSFO, faint odor

Ls-wht/crm, chalky, cherty

Ls-crm/wht, ool, poor iner ool por, Trace brwn stns, NSFO, very faitn odor

Ls-crm/gry, fossils, dense, poor por, Shale-gry/grn

Ls-crm/gry, fxln, fossils, dense, poor sum oom por, Trace brown stns, NSFO, no odor

Ls-crm/gry, fxln, fossils, dense, poor por, cherty

Ls-wht/crm, ool/fossils, poro iner xln por, chalky, chert-amber/wht

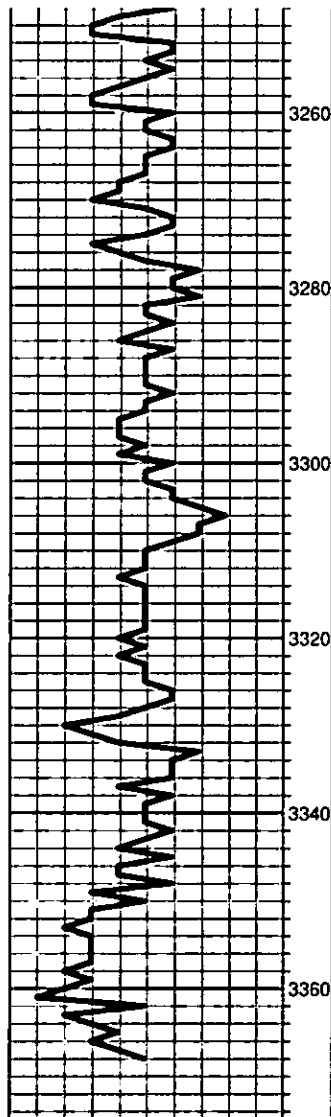
Ls-crm/lt gry, fxln, scatterd poor oom por, barren, Cherty, chalky

Ls-A/A

Ls-tan/buff, fxln, slightly ool, dense, poor por

Ls-crm/tan, fxln, dense, poro por

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Trace black carbon shale

Ls-crm/tan, fxln, ool, dense, chalky, chert-crm

Ls-crm/wht, ool, poor iner ool por, Trace brwn stains, NSFO, faint odor, Chalky

Ls-wht/lt gry, dense, poor por, cherty

A/A

Ls-tan/buff, dense, cherty, chalky

A/A, shale-gry/grn

Ls-crm/tan, dense, no vis por, Shale-A/A

**Basal Sand 3350.0 (-1419.0) 0.0**

Sand- gry/tan, fg, mostly friable, mica, poor iner gran. por, Black tarry stns, NSFO, very faint odor.

A/A Quartz- clear/pinkish

Sand-gry/tan, fg, friable, mica, poor iner gran por. Black tarry stains, NSFO, faint odor.

<b>DST #1 3335-3368</b>		
30-30-30-45		
IF: Blow Died in 1 min		
Recovery:		
3' mud w/ oil specks		
Pressures:		
ISIP	222	psi
FSIP	234	psi
IFP	14-18	psi
FFP	18-20	psi
HSH	1705-1631	psi