

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34318

Name: Berexco LLC

Address 1: P.O. Box 20380

Address 2: \_\_\_\_\_

City: Wichita State: KS Zip: 67208 + 1380

Contact Person: Evan Mayhew

Phone: ( 316 ) 265-3311

CONTRACTOR: License # 34317

Name: Beredco LLC

Wellsite Geologist: N/A

Purchaser: N/A

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  SWD  SIOW

Gas  ENHR  SIGW

CM (Coal Bed Methane)  Temp. Abd.

Dry  Other \_\_\_\_\_

(Core, WSW, Expl., Cathodic, 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: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled Docket No.: \_\_\_\_\_

Dual Completion Docket No.: \_\_\_\_\_

Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_

16 Feb. 2010 26 Feb. 2010 15 July 2010

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

API No. 15 - 093-21852-00-00

Spot Description: \_\_\_\_\_

NE NE SE SE Sec. 25 Twp. 22 S. R. 38  East  West

1069 Feet from  North /  South Line of Section

1531 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Kearney

Lease Name: Patterson Unit Well #: 4-25

Field Name: Patterson

Producing Formation: Morrow

Elevation: Ground: 3320 Kelly Bushing: 3332

Total Depth: 4950 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 1700 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 2896 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: 24,000 ppm Fluid volume: 1,000 bbls

Dewatering method used: evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Richard E. Smith

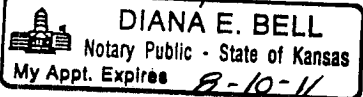
Title: Engineering Technician Date: 09 August, 2010

Subscribed and sworn to before me this 9th day of Aug

20 10

Notary Public: Diana E Bell

Date Commission Expires: Aug 10, 2011



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

Alt 1-Dlg - 8/12/10

**RECEIVED**  
**AUG 10 2010**

**KCC WICHITA**

Operator Name: Berexco LLC Lease Name: Patterson Unit Well #: 4-25  
 Sec. 25 Twp. 22 S. R. 38  East  West County: Kearney

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: Spectral Density Dual Spaced Neutron, Array Compensated Resistivity, Porosity Logs & Microlog (e-mailed to: kcc-well-logs@kcc.ks.gov)	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input 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>(Base) Heebner</td> <td>3812</td> <td>(-489)</td> </tr> <tr> <td>Toronto</td> <td>3820</td> <td>(-497)</td> </tr> <tr> <td>(Base) KS City</td> <td>4314</td> <td>(-981)</td> </tr> <tr> <td>Marmaton</td> <td>4347</td> <td>(-1014)</td> </tr> <tr> <td>Cherokee</td> <td>4496</td> <td>(-1163)</td> </tr> <tr> <td>Morrow</td> <td>4764</td> <td>(-1431)</td> </tr> <tr> <td>St. Genevieve</td> <td>4896</td> <td>(-1563)</td> </tr> </table>	Name	Top	Datum	(Base) Heebner	3812	(-489)	Toronto	3820	(-497)	(Base) KS City	4314	(-981)	Marmaton	4347	(-1014)	Cherokee	4496	(-1163)	Morrow	4764	(-1431)	St. Genevieve	4896	(-1563)
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St. Genevieve	4896	(-1563)																							

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 1/4"	8 5/8"	24#	1700'	60/40 POZ,CI.A	550 & 150	8%gel,3%cc,1/4#flakes
Production	7 7/8"	5 1/2"	15.5#	4949'	60/40POZ,ASC	180 & 150	8%gel, 1/4#flakes
DV Tool				2896'	60/40POZ,CI.A	400 & 50	8%gel, 1/4#flakes

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	4764-76' (Morrow)	1000 gals. 10% MCA	4764-76'

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>SN @ 4800'</u>	Packer At: <u>no packer</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>wait'g on pump'g unit, tank battery, lines, etc.</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>N/A</u>	Gas Mcf	Water Bbls. <u>N/A</u>	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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4764' - 4776'</u> <div style="text-align: right; font-weight: bold; font-size: 1.2em;">RECEIVED</div> <div style="text-align: right; font-weight: bold; font-size: 1.2em;">AUG 10 2010</div>
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# BEREXCO LLC

09 August, 2010

Kansas Corporation commission  
Oil & Gas Conservation Division  
Wichita State Office Building  
130 South Market, Room 2078  
Wichita, KS 67202-3802

RE: Patterson Unit #4-25  
Sec 25-T22S-R38W  
Kearney County, Kansas  
API # 15-093-2185200-00

NE NE SE SE  
1069' fsl, 1531' fel

Gentlemen:

Please find enclosed the original and two copies of the Well Completion Form ACO-1, and a copy of the cementing tickets for the above referenced well. No drill Stem Testing was done in this well, nor was a Geologist present on location during drilling, so no official geologist report is available. I have copied the sample analysis conducted after drilling to evaluate the Morrow Sand section – this is as close as we have to a geologist report.

Electronic copies of the open hole logs run: Spectral Density Dual Spaced Neutron, Array Compensated Resistivity, Porosity Logs & Microlog have been e-mailed to: [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov) as per rule 82-3-107(d)(J).

As the well has not yet been put on pump, rate of production is not yet established. We anticipate completion of facilities soon for this new waterflood, and can provide estimated production from barrel test data if desired once everything is in place and working.

Thank you for your attention to this matter.

Sincerely,



Richard Smith  
Engineering Technician  
(316) 337-8334  
(316) 265-2994 (fax)  
rsmith@berexco.com

Enclosures

cc: Charles Spradlin  
Well File

RECEIVED

AUG 10 2010

KCC WICHITA

# ALLIED CEMENTING CO., LLC. 039130

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley, KS

*Bottom Stage 12:30-1:30*

DATE <u>2/27/10</u>	SEC. <u>25</u>	TWP <u>22</u>	RANGE <u>28</u>	CALLED OUT	ON LOCATION <u>8:00</u>	JOB START <u>9:00</u>	JOB FINISH <u>5:00</u>
LEASE <u>Patterson</u>	WELL# <u>4-25</u>	LOCATION <u>Lakin N 70 250 Rd 10 W</u>			COUNTY <u>Hernsey</u>	STATE <u>K</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1 1/2" N W, 20</u>				

CONTRACTOR Bredco #2

TYPE OF JOB Production 2 stage

HOLE SIZE 7 1/8 T.D. 4952

CASING SIZE 5 1/2 DEPTH 4952

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV DEPTH 2896'

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT 8403

CEMENT LEFT IN CSG. 84.3

PERFS.

DISPLACEMENT Bottom 117 bbl Top 71 bbl

OWNER Same MAR 05 2010

CEMENT

AMOUNT ORDERED 180 SK ALW 14 lb Flo Seal 150 SK ASC 1000 Salt 200 gal 6 Gilsonite 400 SK ALW 14 lb Flo Seal, 50 SK Corn

COMMON	<u>50 SK</u>	@ <u>15.45</u>	<u>772.50</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC	<u>150 SK</u>	@ <u>16.70</u>	<u>2505.00</u>
		@	
	<u>ALW - 580 SK</u>	@ <u>14.05</u>	<u>8149.00</u>
		@	
	<u>Flo Seal - 145 lb</u>	@ <u>2.45</u>	<u>355.25</u>
		@	
	<u>Gilsonite - 900 lb</u>	@ <u>.75</u>	<u>675.00</u>
		@	
		@	
HANDLING	<u>804</u>	@ <u>2.10</u>	<u>1688.40</u>
MILEAGE	<u>100 SK/mile</u>		<u>1500.00</u>
TOTAL			<u>14755.55</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan, Andrew

# 422 HELPER Weyal

BULK TRUCK

# 386 DRIVER Wahne

BULK TRUCK

# 396 DRIVER Wil

377 Darren

REMARKS:

*mix 180 ALW, Tail w/150 ASC, Displace Plug to  
Watch Down w/ 800 PSI LIFT, Land Plug @  
8000 PSI w/ 117 bbl Displacement. Prep Opening  
Tool Open Tool Circulate Flow. RH-20 SK-MH (10 SK)  
mix 400 SK ALW 14 lb Flo Seal Tail  
w/ 50 SK corn. Displace Plug to Tool  
w/ 800 PSI LIFT, Land Plug @ 2000 PSI  
w/ 700 bbl Displacement. Tool Closed  
Cement Did Circulate. Thank You*

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1957.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD	@		
	@		
	@		
RECEIVED			

AUG 10 2010

TOTAL 2307.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

DV Tool		@ <u>2832.00</u>	<u>2832.00</u>
Baskets	<u>3</u>	@ <u>161.00</u>	<u>483.00</u>
Centralizer	<u>2</u>	@ <u>35.00</u>	<u>70.00</u>
Floats	<u>2</u>	@ <u>214.00</u>	<u>428.00</u>
Catch Down Assembly		@ <u>164.00</u>	<u>164.00</u>
TOTAL			<u>3977.00</u>

To Allied Cementing Co., 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 GERSTNER

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Bid

# ALLIED CEMENTING CO., LLC. 044483

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

DARLES  
2-18-10

DATE 2-17-10	SEC. 25	TWP. 22S	RANGE 38W	CALLED OUT	ON LOCATION 2:00pm	JOB START 7:30AM	JOB FINISH 9:30AM
LEASE Patterson	WELL# 4-25		LOCATION Lake 10N-10W-112W			COUNTY Hearney	STATE KS
OLD OR NEW (Circle one)			win				

CONTRACTOR Beredco # 7

TYPE OF JOB Surface

HOLE SIZE 12 1/4 TD. 1704'

CASING SIZE 8 1/8 24# DEPTH 1704'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 45 1/2

CEMENT LEFT IN CSG. 45

PERFS. \_\_\_\_\_

DISPLACEMENT 105.6

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 550 kite (60/40 890)

390 cc 114 # Clo-seal

150 cc 390 cc

COMMON	<u>150</u>	@ <u>15 45</u>	<u>2317 50</u>
POZMIX		@	
GEL		@	
CHLORIDE	<u>23</u>	@ <u>58 79</u>	<u>1338 00</u>
ASC		@	
<u>kite</u>	<u>550</u>	@ <u>14 05</u>	<u>7727 50</u>
		@	
<u>Clo-seal</u>	<u>138</u>	@ <u>2 50</u>	<u>345 00</u>
		@	
		@	
		@	
HANDLING	<u>350</u>	@ <u>2 25</u>	<u>787 50</u>
MILEAGE	<u>104.56/mile</u>		<u>1750 00</u>
TOTAL			<u>14,266.10<sup>02</sup></u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzy

# 431 HELPER Billy

BULK TRUCK

# 396 DRIVER Wesley

BULK TRUCK

# 373 DRIVER Dorian

**REMARKS:**

cement did circulate

Approx 15 BHs

Plus down @ 9:00am

Insert did hold

Thanks Fuzzy crew

**SERVICE**

DEPTH OF JOB	<u>1704'</u>
PUMP TRUCK CHARGE	<u>1185 00</u>
EXTRA FOOTAGE	@ _____
MILEAGE	<u>50</u> @ <u>7 00</u> <u>350 00</u>
MANIFOLD	@ _____
	@ _____
	@ _____
TOTAL <u>1535 00</u>	

CHARGE TO: Beredco Inc

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>1 cement nose 6 shoe</u>		<u>258 00</u>
<u>1 A-FU Insert</u>	@	<u>158 00</u>
<u>3 cement</u>	@ <u>49 00</u>	<u>147 00</u>
<u>1 Basket</u>	@	<u>221 00</u>
<u>1 rubber plug</u>	@	<u>113 00</u>
	@	
TOTAL		<u>897 00</u>

To Allied Cementing Co., 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 Gilbert Davila Jr

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

RECEIVED  
AUG 10 2010

KCC ACCOUNT

**MUD LOG**  
**WellSight Systems**  
 Scale 1:240 (5"=100') Imperial  
 Measured Depth Log

Well Name: **PATTERSON UNIT 4-25**  
 Location: **1069' FSL, 1531' FEL Sec 25 - 22S - 38W, KEARNY, KS**  
 License Number: **15-093-21852-0000** Region: **MID CONTINENT**  
 Spud Date: \_\_\_\_\_ Drilling Completed: **26-FEB-2010**  
 Surface Coordinates: \_\_\_\_\_  
 Bottom Hole Coordinates: \_\_\_\_\_  
 Ground Elevation (ft): **3320** K.B. Elevation (ft): **3333**  
 Logged Interval (ft): **3700** To: **4951** Total Depth (ft): **4951**  
 Formation: **MISSISSIPPI**  
 Type of Drilling Fluid: **CHEMICAL MUD**

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

**OPERATOR**

Company: **BEREXCO INC.**  
 Address: **P.O. BOX 20380**  
**WICHITA,**  
**KS, 67208**

**GEOLOGIST**

Name: **GANGANATH KORALEGEDARA**  
 Company: **BEREXCO INC.**  
 Address: **P.O. BOX 20380**  
**WICHITA**  
**KS, 67208**




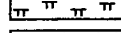
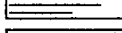
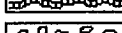




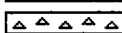


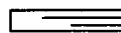






**Cores**

**DSTs**

**Comments**

**SAMPLE ANALYSIS CARRIED OUT AFTER WELL COMPLETED JUST TO EVELUATE THE MORROW SAND SECTION.**

**ROCK TYPES**

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

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 KCC WICHITA



Sh, gy, blk, carb, pyritic with gy

f-med xln, foss, hrd, dns LS

LS, lt tan-buff, f-med xln, partly chalky, v foss, oolitic, few pieces with high oomoldic poro, mostly dns, ns

Sh, gy-blk, blk crb, int bdd with off wht - tan chalky-sub chalky, f-med xln, LS, few pieces of buff, crypto-fxln, hrd, dns, chrt, LS

SH, gy, silty, mosly, blk, carb

LS, LS, buff, fxln, hrd dns

Sh, blk, carb

SS, f-med grain, clr and lt tan, sub angl-sub mdd, mostly individual qrtz grains, fe clusters of fn graind sand faint grn fluo, no odor

SH, gy and blk, blk sh with sand inclu, gy sh, silty

LS, buff, f-med xln, hrd, dns, scrd foss

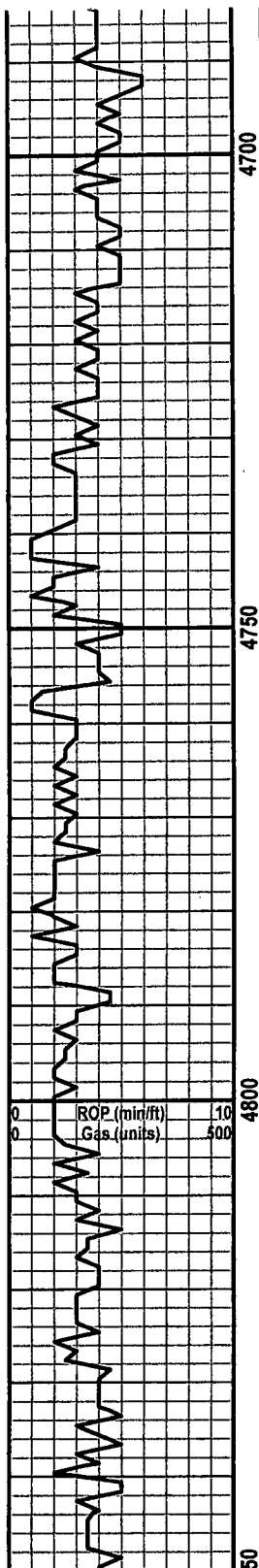
Sh, gy, silty, few sand inclusions

LS, lt tan-buff, f-med xln, hrd dns, few pcs med xln, sub chlkly

SH, grn, gy and blk, grn, soft, gy, silty and blk, carb, pyritic, int bdd with wht, fxln, chalky, ls

LS, tan-buff, fxln, hrd, dns

**MORROW SAND 4763(-1430)**



4700

4750

4800

50

ROP (mir/ft) 10  
Gas (units) 500

TG, C1-C5  
1 10 100 1000