

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 109-206740000

ORIGINAL

County LOGAN

100' N. of
- NE - SE Sec. 26 Twp. 11 Rge. 33 X E W

2080 Feet from S/N (circle one) Line of Section

660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Bertrand Well # 1

Field Name Cook-South

Producing Formation na

Elevation: Ground 3092 KB 3097

Total Depth 4625' PBTD

Depth of Surface Pipe Set and Cemented at 270' Feet

Multiple Stage Cementing Collar Used? Yes No

Yes, show depth set Feet

Alternate II completion, cement circulated from

Set depth to w/ sx cmt.

Drilling Fluid Management Plan P+A KJR 7/05/07
(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 No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 30407

Name: BLACK PETROLEUM COMPANY

Address P.O. Box 12922

City/State/Zip Wichita, Kansas 67277

Purchaser: na

Operator Contact Person: Thomas E. Black

Phone (316) 729-8220

Contractor: Name: L. D. DRILLING, INC.

License: 6039

Wellsite Geologist: Thomas E. Black

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

XX Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

10-28-98 11-06-98

Spud Date Date Reached TD Completion Date

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 on 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 Thomas E. Black

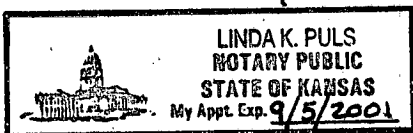
Title Pres Date

Subscribed and sworn to before me this 10th day of Feb 19 99.

Notary Public Linda K. Puls

Date Commission Expires 9/5/2001

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)



Operator Name **BLACK PETROLEUM COMPANY**

Lease Name **BERTRAND**

Well # **1**

Sec. **26** Twp. **11** Rge. **33**

East
 West

County **LOGAN**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)
List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample
Name Top Datum
ATTACHED.

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
surface	12 1/4"	8 5/8"	20#	270'	60/40 Poz.	170	2% Gel, 4% cc

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ 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: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____
Production Interval _____

ORIGINAL

L. D. DRILLING, INC.

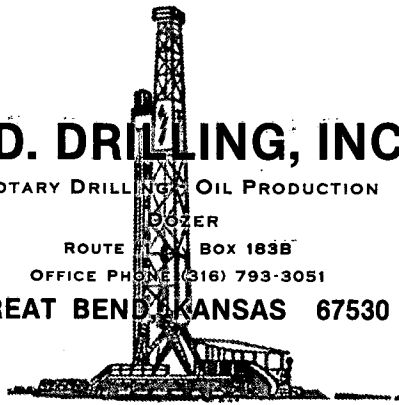
ROTARY DRILLING & OIL PRODUCTION

DOZER

ROUTE 1 BOX 183B

OFFICE PHONE (316) 793-3051

GREAT BEND, KANSAS 67530



BLACK PETROLEUM COMPANY
WICHITA, KS.

PLUGGING INFORMATION:

BERTRAND #1 NE SE SEC. 26-11-33 LOGAN COUNTY, KS.

RTD 4625'

25 sx. @ 2600'

100 Sx @ 1600'

40 sx. @ 320'

10 sx. @ 40'

15 sx. in rathole

Total 190 sx. 60/40 pozmix, 6% Gel, 1/4# flo-seal per sx.

Plug down @ 10:30 A.M. November 6, 1998

KCC authority: Roger Moses

Ticket #3036 Allied cementing

BLACK PETROLEUM COMPANY - DAILY REPORT

GEO. REPORT @

"TIGHT HOLE" - NO INFORMATION RELEASED

ORIG. TIME.

LOCATION 100' N. of NE SE COUNTY Logan STATE Kansas
Section 26-11S-33W

OPERATOR Black Petroleum Company CONTRACTOR L. D. Drilling, Inc.

WELL #1 Bertrand GEOL. Thomas E. Black ELEV. 3092 G. L.
3097 K. B.

PROSPECT Extension

Move in and rig up: 10/28/98

Spudded @ 6:15 p.m.

Ran 6 jts new 8 5/8 20' surface casing to 262.80 ft. Set at 270 ft. w/170 sx 60/40 posmix, 4% cc, 2% gel. Plug down @ 12:00 a.m. 10/29/98. Cement did circulate. Going under surface to repair gaskets before drilling. Drilling should begin around 10:00 or 11:00 a.m. 10/29/98.

ELECTRIC LOG TOPS
(CORRECTED)

Date	Depth		Formation	Depth	Datum
10/28/98		Move in, rig up.	Top Anhydrite	2589	+508
10/29/98			Base Anhydrite	2614	+483
10/30/98	1984'	8:00 AM	Topeka Lm.		
10/31/98	2950'	9:00 AM	Heebner Sh.	4006	-909
11/01/98	3500'	5:30 AM	Lans.-K.C.	4042	-945
11/02/98	4135'	Drilling at 4135', DST #1 possibly today. See Note ¹	Stark Sh.	4270	-1173
			B/K.C.	4333	-1236
			Marmaton	4364	-1267
11/03/98	4192'	Drilling at 4192', DST #1 from 4105' to 4135'. Tool open 1 hr.	Ft. Scott	4527	-1430
"E", "F", "G"	Zones	Very weak blow throughout. Recovered 25' of very slightly oil-specked drilling mud, 1% oil. I.F.P. in 30 min. was 82-57 PSI. Initial closed-in period in 30 min. was 1230 PSI. F.F.P. in 30 min. was 82-68 PSI. Final closed-in period in 30 min. was 1202 PSI. Hydrostatic pressure = 2036 PSI. Temp. = 113°. Drilling ahead.	Cherokee Sh.	4556	-1459
			Johnson Zn.	4600	-1503
			R. T. D.	4625	-1528
11/04/98	4320'	DST #2 from 4235' to 4265'. Tool open 1 hr. Weak surface blow, died. Recovered 2' of drilling mud with few specks of free oil. I.F.P. in 30 min. was 68-55 PSI. Initial closed-in period in 30 min. was 82 PSI. F.F.P. in 30 min. was 68-55 PSI. Final closed-in period was 68 PSI. Final Hydrostatic pressure = 2117 PSI. Temp. = 115°.	Note ¹		
"J" Zone		Drilling at 4320'. Preparing for DST #3. See Note ²	In comparison with Slawson dry hole which is 1/2 mi. NE, we are 13' high on the Heebner Sh. and 15' high on the Lansing. To the abandoned well 1000' W, we are 5' low on the Heebner Sh. and 3' low on the Lansing.		
			Note ²		
			We are 13' low to the well to the west and 9' high to the dry hole to the NE, on the Johnson Zone.		

BLACK PETROLEUM COMPANY - DAILY REPORT"TIGHT HOLE" - NO INFORMATION RELEASED

LOCATION 100' N. of NE SE COUNTY Logan STATE Kansas
Section 26-11S-33W

OPERATOR Black Petroleum Company CONTRACTOR L. D. Drilling, Inc.

WELL #1 Bertrand GEOL. Thomas E. Black ELEV. 3092 G. L.
3097 K. B.

PROSPECT Extension

11/05/98 4490' Drilling at 4490'. DST #3 from 4266' to 4320'. Tool open 1 hr.
 Weak surface blow, died in 15 min. Recovered 1' drilling mud.
 "K" & "L" Zones I.F.P. in 30 min. was 82-68 PSI.
 Initial closed-in period in 30 min. was 273 PSI. F.F.P. in 30 min.
 was 82-68 PSI. Final closed-in period was 273 PSI. Final Hydrostatic
 pressure = 2148 PSI. Temp. = 115°. Drilling ahead.

11/06/98 4625' R.T.D. 4625'. All target zones were fully evaluated.
 R.T.D. Johnson Zone: 4600' - 4625'. Limestone, buff, dense tite with no
 show of free oil, or odor. One piece of tarry, black, dead oil in
 oolittic limestone. Judged not worth testing.

11/06/98 Plugged dry and abandoned. Detailed report to follow.

ALLIED CEMENTING CO., INC.

3033

ORIGINAL

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

SERVICE POINT:

OAKLEY

DATE <u>10-28-98</u>	SEC <u>26</u>	TWP. <u>11S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>9:30PM</u>	JOB START <u>11:30PM</u>	JOB FINISH <u>12:00AM</u>
LEASE <u>BERTRAND</u>	WELL # <u>1</u>	LOCATION <u>OAKLEY 6W-35-34E</u>			COUNTY <u>LOBAN</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR L.D. DRILL

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 274'

CASING SIZE 8 5/8" DEPTH 270'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 16 1/4 BBL.

OWNER SAME

CEMENT _____

AMOUNT ORDERED 170SKS 60/100PZ 48CC 2862

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

300 HELPER WAYNE

BULK TRUCK

315 DRIVER DEAN

BULK TRUCK

_____ DRIVER _____

REMARKS:

CEMENT DIA CIAC.

Thank You

SERVICE

DEPTH OF JOB 270'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 8 5/8 SURFACE @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Black Pet, Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE David Bess

PRINTED NAME

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate. ~~any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER."~~ For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC. 3036 ORIGINAL

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

SERVICE POINT:
OAKLEY

DATE <u>11-6-98</u>	SEC <u>26</u>	TWP. <u>11S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>5:00 AM</u>	JOB START <u>5:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>BERTRAND</u>	WELL# <u>1</u>	LOCATION <u>OAKLEY 6W-35-34E</u>			COUNTY <u>LOGAN</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR L. D. DRILLING
 TYPE OF JOB P.T.A.
 HOLE SIZE 7 7/8" T.D. 4625'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2" DEPTH 2600'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER SAME
 CEMENT
 AMOUNT ORDERED 190 SKs 60/40 026866L
1/4" Flt-581
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER TERRY
 # 191 HELPER DEAN
 BULK TRUCK
 # 218 DRIVER LONNIE
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

255Ks AT 2600'
100SKs AT 1600'
40SKs AT 320'
10SKs AT 40'
15SKs RAT Hole
THANK YOU

SERVICE

DEPTH OF JOB 2600'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG 8 7/8 DRY Hole _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

CHARGE TO: BLACK PET CO.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL _____
 TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Doran J. Margheim

DORAN J. MARGHEIM
 PRINTED NAME

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

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—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

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(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W

Farm: Bertrand Well No. 1
 Logan County, Kansas

Contractor: L. D. Drilling Rig #1

Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
2525/26	1		2575/76	1/2	
2527	1/2		2577	1/4	
2528	1/2		2578	1/4	
2529	1		2579	1/2	
2530	1		2580	1/2	
2531	1/2		2581	1/2	
2532	1/2		2582	1/2	
2533	1		2583	1	
2534	1		2584	1/2	
2535	1		2585	1/2	
2536	1		2586	1	
2537	1		2587	1/2	
2538	1/2		2588	1	
2539	1/2		2589	1	
2540	1/2		2590	2	
2541	1/2		2591	2	
2542	1/2		2592	2	
2543	1/2		2593	2	
2544	1/2		2594	2	
2545	1/2		2595	2	
2546	1/2		2596	2	
2547	1/2		2597	2	
2548	1/2		2598	2	
2549	1/2		2599	2	
2550	1/2		2600	2	
2551	1/2		2601	2	
2552	1/2		2602	2	
2553	1/2		2603	2	
2554	1		2604	2	
2555	1		2605	2	
2556	1		2606	2	
2557	1		2607	2	
2558	1		2608	2	
2559	1		2609	3	
2560	1		2610	2	
2561	1		2611	2	
2562	1/2		2612	2	
2563	1/2		2613	2	
2564	1/2		2614	2	
2565	1/2		2615	1	
2566	1		2616	2	
2567	1		2617	1	
2568	1		2618	2	
2569	1		2619	1	
2570	1/2		2620	1	
2571	1/2		2621	1	
2572	1/2		2622	2	
2573	1/2		2623	1	
2574	1/2		2624	2	
2575	1/2		2625	2	

RECEIVED
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 Wichita, Kansas

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
3700/01	2		3750/51	2	
3702	3		3752	2	
3703	3		3753	2	
3704	3		3754	2	
3705	4		3755	2	
3706	4		3756	4	
3707	4		3757	4	
3708	2		3758	4	
3709	2		3759	4	
3710	1		3760	3	
3711	1		3761	3	
3712	1		3762	3	
3713	3		3763	2	
3714	2		3764	3	
3715	2		3765	2	
3716	3		3766	1	
3717	3		3767	1	
3718	3		3768	1	
3719	3		3769	1	
3720	4		3770	1	
3721	3		3771	1	
3722	2		3772	1	
3723	1		3773	2	
3724	1		3774	1	
3725	1		3775	2	
3726	1		3776	2	
3727	1		3777	3	
3728	0		3778	3	
3729	1		3779	4	
3730	1		3780	3	
3731	1		3781	2	
3732	1		3782	2	
3733	2		3783	2	
3734	2		3784	1	
3735	1		3785	1	
3736	2		3786	3	
3737	1		3787	2	
3738	2		3788	2	
3739	2		3789	2	
3740	2		3790	2	
3741	3		3791	2	
3742	3		3792	3	
3743	3		3793	2	
3744	4		3794	3	
3745	3		3795	3	
3746	3		3796	2	
3747	3		3797	2	
3748	3		3798	2	
3749	1		3799	2	
3750	2		3800	2	

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
 Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
3800/01	2		3850/51	1	
3802	2		3852	-	
3803	2		3853	-	
3804	2		3854	-	
3805	2		3855	1	
3806	3		3856	1	
3807	3		3857	1	
3808	3		3858	2	
3809	3		3859	1	
3810	2		3860	-	
3811	2		3861	1	
3812	2		3862	2	
3813	1		3863	2	
3814	1		3864	1	
3815	1		3865	1	
3816	1		3866	1	
3817	1		3867	1	
3818	1		3868	1	
3819	1		3869	1	
3820	1		3870	-	
3821	1		3871	1	
3822	1		3872	1/2	
3823	1		3873	1/2	
3824	1		3874	1	
3825	1		3875	1	
3826	1		3876	1	
3827	1		3877	2	
3828	1		3878	1	
3829	1		3879	1	
3830	2		3880	1	
3831	3		3881	1	
3832	3		3882	1	
3833	2		3883	1	
3834	2		3884	1	
3835	2		3885	1/2	
3836	2		3886	2	
3837	2		3887	2	
3838	2		3888	2	
3839	2		3889	2	
3840	2		3890	3	
3841	2		3891	3	
3842	3		3892	1	
3843	2		3893	2	
3844	2		3894	2	
3845	2		3895	1	
3846	1		3896	1	
3847	1		3897	2	
3848	1		3898	1	
3849	1		3899	1	
3850	1		3900	1	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
3900/01	1		3950/51	5	
3902	1		3952	4	
3903	1/2		3953	4	
3904	1		3954	4	
3905	1/2		3955	3	
3906	1/2		3956	4	
3907	1/2		3957	5	
3908	1		3958	4	
3909	1		3959	6	
3910	1		3960	3	
3911	1		3961	3	
3912	1		3962	1	
3913	1		3963	1	
3914	1		3964	1	
3915	1		3965	1	
3916	1		3966	1	
3917	1		3967	2	
3918	1		3968	2	
3919	2		3969	2	
3920	2		3970	3	
3921	2		3971	2	
3922	2		3972	1	
3923	3		3973	2	
3924	3		3974	2	
3925	3		3975	5	
3926	3		3976	5	
3927	3		3977	5	
3928	4		3978	3	
3929	1		3979	3	
3930	3		3980	3	
3931	3		3981	3	
3932	2		3982	4	
3933	2		3983	4	
3934	3		3984	5	
3935	2		3985	3	
3936	3		3986	2	
3937	3		3987	3	
3938	5		3988	2	
3939	4		3989	1	
3940	5		3990	2	
3941	4		3991	1	
3942	2		3992	1	
3943	3		3993	2	
3944	3		3994	1	
3945	6		3995	1	
3946	7		3996	2	
3947	4		3997	1	
3948	6		3998	1	
3949	4		3999	2	
3950	5		4000	2	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4000/01	2		4050/51	1	
4002	2		4052	2	
4003	4		4053	2	
4004	3		4054	4	
4005	5		4055	3	
4006	4		4056	3	
4007	3		4057	2	
4008	3		4058	1	
4009	4		4059	2	
4010	4		4060	2	
4011	5		4061	2	
4012	5		4062	2	
4013	5		4063	2	
4014	6		4064	2	
4015	5		4065	2	
4016	4		4066	2	
4017	5		4067	2	
4018	5		4068	2	
4019	5		4069	3	
4020	5		4070	4	
4021	5		4071	5	
4022	5		4072	5	
4023	6		4073	4	
4024	5		4074	5	
4025	5		4075	5	
4026	4		4076	5	
4027	4		4077	5	
4028	5		4078	5	
4029	4		4079	4	
4030	4		4080	5	
4031	3		4081	4	
4032	4		4082	4	
4033	4		4083	3	
4034	5		4084	2 1/2	
4035	5		4085	2	
4036	5		4086	2	
4037	4		4087	2	
4038	3		4088	1 1/2	
4039	2		4089	2	
4040	2		4090	1	
4041	1/4		4091	2	
4042	1/4		4092	2 1/2	
4043	1/2		4093	2 1/2	
4044	1/2		4094	4	
4045	1/2		4095	3 1/2	
4046	1		4096	3 1/2	
4047	1/2		4097	4	
4048	1/2		4098	5 1/2	
4049	1/2		4099	2 1/2	
4050	1/2		4100	2	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4100/01	3		4150/51	4	
4102	2		4152	5	
4103	2 1/2		4153	3	
4104	3		4154	3	
4105	2 1/2		4155	5	
4106	3 1/2		4156	5	
4107	3 1/2		4157	6	
4108	3 1/2		4158	4	
4109	4		4159	3	
4110	4 1/2		4160	3	
4111	3 1/2		4161	3	
4112	4		4162	3	
4113	4		4163	4	
4114	4		4164	3	
4115	4 1/2		4165	2	
4116	4		4166	2	
4117	3 1/2		4167	2	
4118	3		4168	1	
4119	3 1/2		4169	2	
4120	3 1/2		4170	3	
4121	5 1/2		4171	3	
4122	4		4172	3	
4123	3 1/2		4173	4	
4124	4		4174	4	
4125	4		4175	4	
4126	3		4176	3	
4127	4		4177	4	
4128	4 1/2		4178	5	
4129	4 1/2		4179	6	
4130	4 1/2		4180	6	
4131	4 1/2		4181	5	
4132	5		4182	5 1/2	
4133	4 1/2		4183	5	
4134	4 1/2		4184	5	
4135	4 1/2	DST #1	4185	4	
4136	2		4186	4 1/2	
4137	3		4187	3	
4138	3		4188	5 1/2	
4139	3		4189	5	
4140	3		4190	4	
4141	2		4191	3	
4142	2		4192	2 1/2	
4143	2		4193	5	
4144	2		4194	4	
4145	2		4195	4	
4146	2		4196	3	
4147	3		4197	4	
4148	3		4198	5	
4149	2		4199	4	
4150	2		4200	5	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4200/01	2		4250/51	4	
4202	4		4252	5	
4203	3		4253	4	
4204	3		4254	4	
4205	2		4255	3	
4206	3		4256	3	
4207	3		4257	3	
4208	5		4258	4	
4209	5		4259	4	
4210	4		4260	4	
4211	6		4261	4	
4212	4		4262	3	
4213	5		4263	4	
4214	5		4264	5	
4215	5		4265	4 1/2	DST #2
4216	5		4266	5	
4217	4		4267	4	
4218	5		4268	3	
4219	5		4269	4	
4220	4		4270	3	
4221	5		4271	2	
4222	4		4272	2	
4223	3		4273	4	
4224	4		4274	4	
4225	5		4275	2	
4226	5 1/2		4276	3	
4227	5		4277	2	
4228	4 1/2		4278	3	
4229	4 1/2		4279	4	
4230	4 1/2		4280	3	
4231	4 1/2		4281	4	
4232	4 1/2		4282	4	
4233	4		4283	3	
4234	3		4284	3	
4235	4		4285	3	
4236	5		4286	4	
4237	5		4287	3	
4238	4		4288	4	
4239	3 1/2		4289	3	
4240	4 1/2		4290	3	
4241	4		4291	3	
4242	4 1/2		4292	4	DST #3
4243	3 1/2		4293	4	
4244	4		4294	4	
4245	5		4295	4	
4246	4		4296	4	
4247	3		4267	4	
4248	3		4298	4	
4249	4		4299	4	
4250	5		4300	3	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4300/01	5		4350/51	2	
4302	6		4352	1	
4303	3 1/2		4353	2	
4304	3 1/2		4354	1	
4305	5		4355	2	
4306	4		4356	2	
4307	4 1/2		4357	1	
4308	5		4358	2	
4309	4 1/2		4329	2	
4310	6		4360	2	
4311	5 1/2		4361	3	
4312	6		4362	2	
4313	5 1/2		4363	3	
4314	4 1/2		4364	3	
4315	4		4365	5	
4316	4		4366	5	
4317	4		4367	5	
4318	5 1/2		4368	4	
4319	4 1/2		4369	4	
4320	4		4370	2	
4321	2	DST #4	4371	2	
4322	2		4372	4	
4323	3		4373	4	
4324	3		4374	5	
4325	4		4375	5	
4326	4		4376	5	
4327	4		4377	4	
4328	5		4378	4	
4329	4		4379	5	
4330	4		4380	5	
4331	4		4381	3	
4332	4		4382	6	
4333	4		4383	6	
4334	3		4384	6	
4335	4		4385	4	
4336	4		4386	4	
4337	3		4387	5	
4338	2		4388	4	
4339	3		4389	4	
4440	2		4390	5	
4441	3		4391	4	
4442	4		4392	4	
4443	4		4393	4	
4444	4		4394	4	
4445	4		4395	5	
4446	4		4396	4	
4447	4		4397	4	
4448	5		4398	5	
4449	5		4399	4	
4450	3		4400	2	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4400/01	3		4450/51	4	
4402	3		4452	4	
4403	5		4453	4	
4404	5		4454	4	
4405	4		4455	5	
4406	4		4456	5	
4407	4		4457	5	
4408	4		4458	4	
4409	5		4459	4	
4410	5		4460	5	
4411	6		4461	5	
4412	4		4462	4	
4413	6		4463	4	
4414	5		4464	4	
4415	5		4465	4	
4416	5		4466	2	
4417	4		4467	4	
4418	3		4468	5	
4419	3		4469	5	
4420	5		4470	5	
4421	5		4471	5	
4422	5		4472	5	
4423	5		4473	3	
4424	6		4474	3	
4425	5		4475	4	
4426	4		4476	3 1/2	
4427	4		4477	3 1/2	
4428	5		4478	3	
4429	5		4479	2 1/2	
4430	5		4480	3 1/2	
4431	4		4481	4	
4432	3		4482	3	
4433	4		4483	4	
4434	3		4484	4	
4435	3		4485	5	
4436	2		4486	5	
4437	3		4487	4 1/2	
4438	3		4488	4 1/2	
4439	3		4489	5	
4440	3		4490	5	
4441	2		4491	4	
4442	3		4492	5	
4443	4		4493	6	
4444	5		4494	4	
4445	5		4495	6	
4446	5		4496	6	
4447	5		4497	5	
4448	4		4498	5	
4449	4		4499	5	
4450	5		4500	5	

ORIGINAL

Company: Black Petroleum Company
 Sec. 26 Twp. 11 Rge. 33W
 Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
 Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
 Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks	Depth	Min.	Remarks
4500/01	5		4550/51	5 1/2	
4502	5 1/2		4552	5	
4503	6		4553	5	
4504	5		4554	4	
4505	6		4555	5	
4506	6		4556	5	
4507	7		4557	5	
4508	8		4558	5	
4509	6 1/2		4559	4	
4510	6 1/2		4560	5	
4511	5 1/2		4561	6	
4512	5 1/2		4562	5	
4513	4		4563	5	
4514	4 1/2		4564	5	
4515	4 1/2		4565	4	
4516	4 1/2		4566	6	
4517	4 1/2		4567	5	
4518	4 1/2		4568	4	
4519	4 1/2		4569	3	
4520	4		4570	5	
4521	5		4571	6	
4522	7		4572	5	
4523	6		4573	5	
4524	2		4574	5	
4525	3		4575	6	
4526	4		4576	4	
4527	5		4577	5	
4528	7		4578	5	
4529	6		4579	6	
4530	5 1/2		4580	4	
4531	5 1/2		4581	5	
4532	5 1/2		4582	6	
4533	5 1/2		4583	5	
4534	5 1/2		4584	6	
4535	5 1/2		4585	5	
4536	5		4586	5	
4537	5		4587	5	
4538	6		4588	6	
4539	6 1/2		4589	6	
4540	5 1/2		4590	6	
4541	4		4591	6	
4542	3 1/2		4592	8	
4543	5		4593	6	
4544	5 1/2		4594	6	
4545	5		4595	6	
4546	5 1/2		4596	6	
4547	5 1/2		4597	6	
4548	5		4598	6	
4549	5		4599	7	
4550	4 1/2		4600	6	

ORIGINAL

Company: Black Petroleum Company
Sec. 26 Twp. 11 Rge. 33W
Contractor: L. D. Drilling Rig #1

Farm: Bertrand Well No. 1
Logan County, Kansas
Size Hole 7 7/8" Drill Pipe 4 1/2" X-H
Size Pump Liners 6" Length Stroke 14"

Depth	Min.	Remarks
4600/01	5	
4602	5	
4603	5	
4604	5	
4605	6	
4606	4	
4607	5	
4608	6	
4609	5	
4610	6	
4611	5	
4612	4	
4613	4	
4614	5	
4615	4	
4616	5	
4617	4	
4618	5	
4619		
4620	5	
4621	5	
4622	5	
4623	5	
4624		
4625		R.T.D.