

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

ORIGINAL

API NO. 15- 093-21215-000

County Kearny

-SE -NW -NW Sec. 18 Twp. 25S Rge. 36 X ^E _W

4490 Feet from S (circle one) Line of Section

4290 Feet from E (circle one) Line of Section

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

Lease Name Johnson Well # 3-B

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3037 KB 3049

Total Depth 5100 PBDT 2636

Amount of Surface Pipe Set and Cemented at 1699 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan (OK) (RP) (DHW) 11-10-92
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 7900 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name N/A

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 5249

Name: Osborn Heirs Company

Address P. O. Box 17968

City/State/Zip San Antonio, TX 78286

Purchaser: Colorado Interstate Gas

Operator Contact Person: Gary Cunningham

Phone (512) 826-0700

Contractor: Name: Beredco Inc.

License: 5147

Wellsite Geologist: Charles B. Spradlin

Designate Type of Completion

 New Well Re-Entry X Workover

 Oil SWD SIOW Temp. Abd.

 X Gas ENHR SIGW

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

If Workover/Re-Entry: old well info as follows:

Operator: Berexco Inc.

Well Name: Thorpe #1-18

Comp. Date 4-29-92 Old Total Depth 5100

 Deepening Re-perf. Conv. to Inj/SWD

 X Plug Back 2636 PBDT

 Commingled Docket No. _____

 Dual Completion Docket No. _____

 X Other (~~SWD~~~~ENHR~~~~SIOW~~~~Temp. Abd.~~) Docket No. 178, 898-C

4-18-92 4-28-92 6-17-92

Spud Date 4-18-92 Date Reached TD 4-28-92 Completion Date 6-17-92

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

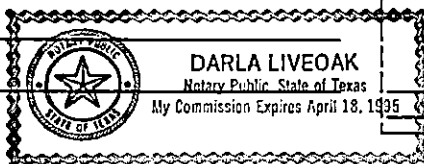
Signature Gary A. Cunningham

Title Engineer Date 10-5-92

Subscribed and sworn to before me this 10th day of October, 19 92.

Notary Public Darla Liveoak

Date Commission Expires 4-18-95



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep 1992 NGPA
KGS Plug Other
CONSERVATION DIVISION
WICHITA, KS

Operator Name Osborn Heirs Company Lease Name Johnson Well # 3-B

Sec. 18 Twp. 25S Rge. 36
 East
 West

County _____

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/Heebner	3632	- 583
Electric Log Run (Submit copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3679	- 630
logs previously submitted		Marmaton	4210	-1161
List All E. Logs Run:		Ft. Scott	4338	-1289
DLL, SDL/DSNL, ML		Atoka	4493	-1444
		Morrow	4668	-1619
		St. Louis	4882	-1833

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"	23.00#	1699	Poz & "C"	825	2% CC 1/4# flocele
production	7-7/8"	5-1/2"	15.50#	2681	Poz & "C"	555	2% CC 1/4# flocele

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	3430 3680	40/60 Poz/H	50	6% gel	
<input checked="" type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone	4570 4820	40/60 Poz/H	50	6% gel	

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	2536-2554	3000 gal 15% Fe acid	2536-54
		24,000 gal Bora Gel & 65000# sand	2536-54

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
none					

Date of First, Resumed Production, SWD or Inj.	Producing Method
6-19-92	<input checked="" 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
	0		300		0			

Disposition of Gas:	<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	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>2536-54</u>
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STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5249

Name: Osborn Heirs Company

Address P. O. Box 17968

City/State/Zip San Antonio, TX 78286

Purchaser: _____

Operator Contact Person: Gary Cunningham

Phone (512) 826-0700

Contractor: Name: Beredco Inc.

License: 5147

Wellsite Geologist: Charles B. Spradlin

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Berexco Inc.

Well Name: Thorpè #1-18

Comp. Date 4-29-92 Old Total Depth 5100

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 2636 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other ~~SWD/SIGW/S10W~~ Docket No. 178,898-C

4-18-92 4-28-92 delayed
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21215R ORIGINAL

County Kearny

SE - NW - NW Sec. 18 Twp. 25S Rge. 36 E

4490 Feet from S/X (circle one) Line of Section

4290 Feet from E/X (circle one) Line of Section

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Producing Formation Chase

Elevation: Ground 3037 KB 3049'

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feet depth to _____ w/ _____ ex cat.

Drilling Fluid Management Plan AIR
(Data must be collected from the Reserve Pit)

Chloride content 3200 ppm Fluid volume 7900 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

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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.

JUN 15 1992

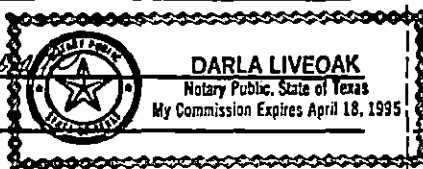
Signature Gary A. Cunningham

Title Engineer Date 6-11-92

Subscribed and sworn to before me this 11th day of June 19 92.

Notary Public Darla Liveoak

Date Commission Expires 4-18-95



K.C.C. OFFICE USE ONLY
CONSERVATION DIVISION
F Letter Attached
C Wireline Logs
C Geologist Report Received
Distribution
 KCC SWD/Rep MGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Osborn Heirs Company Lease Name Johnson Well # 3-B
 Sec. 18 Twp. 25S Rge. 36 East West
 County Kearny

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/Heebner	3632	-583
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3679	-630
List All E.Logs Run: DLL, SDL/DSNL, ML		Marmaton	4210	-1161
		Ft. Scott	4338	-1289
		Atoka	4493	-1444
		Morrow	4668	-1619
		St. Louis	4882	-1833

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"	23#	1699	Poz & "C"	825	2% CC 1/4# flocele
production	7-7/8"	5-1/2"	15.50#	2681	Poz & "C"	555	2% CC 1/4# flakes

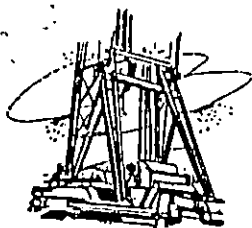
ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing	3430	3680	40/60 Poz/H	50	6% gel
<input checked="" type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone	4570	4820	40/60 Poz/H	50	6% gel

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
	DELAYED COMPLETION				

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
N/A								
Date of First, Resumed Production, SWD or Inj. Delayed completion			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: Burned Flared Used as Fuel Other (Explain) Produced

METHOD OF COMPLETION Production Interval



CHARLES B. SPRADLIN

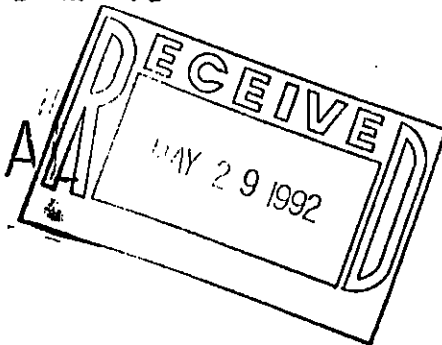
GEOLOGIST

8403 TAMARAC

WICHITA, KANSAS 67206

316-683-9026

ORIGINAL



GEOLOGIC REPORT

BEREXCO INC. Thorpe #1-18

Appx. SE NW NW Sec. 18-25s-36w

Kearny County, Kansas

Spud date: April 18, 1992

T.D. date: April 28, 1992

FORMATION TOPS

Elevation: 3049' KB
3047' DF
3037' GL

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KANSAS CORPORATION COMMISSION

JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

Structural Comparison Well: W.B. Osborn Johnson "B" #5
C SE SW Sec. 18-25s-36w
(Dry hole appx. 3/4 mi. south/southeast)

<u>Formation</u>	<u>Thorpe #1-18 Sample Tops</u>	<u>Log Tops (Datum)</u>	<u>Comp. to Johnson "B" #5</u>
Base/Heebner	3638	3632 (- 583)	18' low
Toronto	3650	3645 (- 596)	17' low
Lansing	3684	3679 (- 630)	19' low
Lansing "B"	3724	3720 (- 671)	20' low
Lansing "D"	3797	3799 (- 750)	21' low
Lansing "F"	3850	3844 (- 795)	30' low
Lansing "H"	3930	3922 (- 873)	20' low
Lansing "I"	3960	3955 (- 906)	5' low
Kansas City "A"	4032	4024 (- 975)	18' low
Kansas City "B"	4108	4096 (-1047)	20' low
BKC	4191	4185 (-1136)	15' low
Marmaton	4210	4210 (-1161)	23' low
Pawnee	4308	4300 (-1251)	13' low
Fort Scott	4345	4338 (-1289)	8' low
Cherokee	4357	4349 (-1300)	7' low
Atoka	4501	4493 (-1444)	5' low
Morrow	4659	4668 (-1619)	24' low
St. Genevieve	4820	4814 (-1765)	12' low
St. Louis	4888	4882 (-1833)	17' low
St. Louis "C"	4906	4896 (-1847)	8' low
TD	5100	5092 (-2043)	--

ORIGINAL

Thorpe #1-18
Appx. SE NW NW Sec. 18-25s-36w
Kearny County, Kansas

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KANSAS CORPORATION COMMISSION

JUN 16 1962

CORPORATION DIVISION
WICHITA, KS

ZONES OF INTEREST AND SHOWS OF OIL OR GAS

All the following depths are electrical log depths.

TORONTO 3645 - 3660

Limestone, clear to white, finely crystalline, siliceous, tripolitic, chalky, weathered, fossiliferous with abundant large highly weathered whole fusulinids, good intercrystal and vuggy porosity. No show.

LANSING "A" 3680 - 3688

Limestone, white to light buff, fine to medium crystalline, fossiliferous, slightly oolitic, good intercrystal, interfossil and interoolitic porosity. No show.

LANSING "B" 3720 - 3730

Limestone, clear to white, very finely crystalline, chalky, fossiliferous with abundant brecciated fusulinids, good interfossil porosity, very good intrafossil porosity. No show.

LANSING "C" 3760 - 3764

Dolomite, buff, finely crystalline, oomoldic with variesized lined molds, fair to good intercrystal porosity, good oomoldic porosity. No show.

LANSING "D" 3800 - 3808

Limestone, white, very fine to finely crystalline, clastic, fossiliferous, oomoldic with variesized molds, many lined with light brown fine dolomite crystals, good oomoldic porosity. No show.

LANSING "F" 3844 - 3862

Dolomite, light brown, finely crystalline, clastic, fossiliferous, slightly oolitic, very oomoldic with variesized molds, good "honeycomb" oomoldic porosity. No show.

LANSING "G" 3896 - 3902

Dolomite, gray to buff, finely crystalline, slightly fossiliferous, oomoldic with variesized molds, good jagged oomoldic porosity. No show.

LANSING "I" 3956 - 3964

Dolomite, white to buff to brown, finely crystalline, clastic, fossiliferous, oolitic, very oomoldic with good intercrystal porosity, excellent interfragment, interfossil, fossil mold and oomoldic porosity. No show.

ORIGINAL

KANSAS CITY "A" 4026 - 4044

Limestone, gray, finely crystalline, dolomitic, clastic, abundant hexagonal quartz grains, fossiliferous, oolitic, oomoldic with variesized, mostly medium to large lined molds, good interfragment, fossilmold and interoolitic porosity. No show.

KANSAS CITY "B" 4118 - 4130

Dolomite, white to gray, very fine to finely crystalline, fossiliferous, oomoldic with variesized lined molds, good oomoldic porosity. No show.

KANSAS CITY "C" 4157 - 4180

Dolomite, brown, finely crystalline, oomoldic with good oomoldic porosity. No show.

MARMATON 4216 - 4226

Limestone, gray to buff, very finely crystalline, bioclastic with good interfossil and interfragment porosity. No show.

MARMATON 4276 - 4282

Dolomite, white, finely crystalline, oomoldic with good intercrystal and oomoldic porosity, abundant chalk. No show.

PAWNEE 4306 - 4616

Limestone, white, very finely crystalline, chalky, fossiliferous with abundant brecciated macrofossils, fair to good interfossil and interfragment porosity. No show.

CHEROKEE 4386 - 4394

Limestone, white to buff, very finely crystalline, chalky, oolitic, fossiliferous with abundant brecciated macrofossils especially fusilinids and brachiopods, good interfossil porosity. No show.

ATOKA 4504 - 4510

Limestone, gray, finely crystalline, dolomitic, coarsely bioclastic, fair to good interfragment porosity; spotted to even dark brown stain, good show of viscous dark brown oil, good odor, dull golden fluorescence. 134 unit gas increase.

MORROW 4786 - 4894

Sand, clear, stained green, fine grained, angular, well sorted, glauconitic, soft and friable; trace of spotted staining on one or two pieces only. No other show.

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JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

MORROW 4803 - 4810

Sand, white and green, mottled, very glauconitic, fine grained, angular, wells sorted, very soft and friable, fair intergrain porosity. No show.

ST. LOUIS "C" 4896 - 4910

Limestone, light brown to buff, very finely crystalline, oolitic with small white oolites, poor to scattered fair interoolitic porosity; spotted interoolitic stain, good show of free oil, no odor, faint gold fluorescence, good plume cut. 9 unit gas increase.

DRILL STEM TEST #1 4892 - 4911

Tool open 45 minutes.
Very weak blow, died in 15 minutes.

Recovered: 5 feet of mud, no show

IFP	32 - 21 PSI	15 min.
ISIP	181 PSI	30 min.
FFP	21 - 21 PSI	30 min.
FSIP	74 PSI	60 min.
HH	2421 - 2312 PSI	
BHT	111°	

ST. LOUIS 5044 - 5052

Limestone, brown, finely crystalline, fossiliferous, oolitic, very small volume with poor to fair interoolitic porosity; even brown stain, good show of free oil, no odor, very faint yellow fluorescence, very slow glow cut, no gas increase.

DRILL STEM TEST #2 5031 - 5054

Tool open 45 minutes.
Very weak blow both openings.

Recovered: 170 feet of salt water

IFP	42 - 42 PSI	15 min.
ISIP	Failed	--
FFP	Failed	--
FSIP	Failed	--
HH	2475 - 2312 PSI	
BHT	Failed	

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KANSAS CORPORATION COMMISSION

JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

REMARKS AND RECOMMENDATIONS

It was recommended that this wellbore be turned over to Osborn for a shallow completion attempt.

Charles B. Spradlin, Sr.
May 2, 1992



INVOICE

REMIT TO: P O BOX 201556
HOUSTON TX 77216

0312

ORIGINAL

INVOICE DATE

04/30/92

794634
OSBORN HEIRS COMPANY

BOX 17968
SAN ANTONIO TX 78286

PAGE

INVOICE NUMBER

83-12-4440

TYPE SERVICE

CEMENTING
CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
THORRE D-12	KS	KEARNY	ULYSSES	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC			04/29/92	DALE TAYLOR	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871050	CSNG CMNT 4501-5000' 1ST BHR	BHR	1	1,400.0000	1,400.00
049102000	TRANSPORTATION CMNT TON MILE	MI	773	.8400	649.32
049100000	SERVICE CHG CEMENT NATL LAND	CFT	716	1.1500	823.40
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	25	2.6500	66.25
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	135.0000	135.00
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
049030000	PLUG BACK 0-8 HR BEFORE CSG	JOB	1	835.0000	835.00
040003000	D903. CEMENT CLASS C	CFT	422	7.7500	3,270.50
040015000	D909. CEMENT CLASS H	CFT	60	7.2500	435.00
045000000	D35. LITEPOZ 3 EXTENDER	CFT	173	3.8300	662.59
045014050	D20. BENTONITE EXTENDER	LBS	2475	.1600	396.00
044002050	D60. FLAC FLUID LOSS ADDITIV	LBS	115	7.2000	828.00
067005100	S1.CALCIUM CHLORIDE	LBS	982	.3400	333.88
044003025	D29. CELLOPHANE FLAKES	LBS	139	1.5300	212.67
100203000	D827. CHEMICAL WASH CM100	BBL	12	33.2500	399.00
054704054	FLUG CENG 5-1/2" TOP AL CORE	EA	1	105.0000	105.00
047002050	D46. ANTIFOAM	LBS	33	2.8700	94.71
	DISCOUNT - MATERIAL				2,358.08-
	DISCOUNT - SERVICE				1,368.14-
				SUB TOTAL --	6,920.10

N C	STATE TAX ON	4,467.02	189.85
N F C	LOCAL TAX ON	4,467.02	44.67

RECEIVED
KANSAS CORPORATION COMMISSION AMOUNT DUE -- 7,154.62

JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

Copy

WITH QUESTIONS CALL 316-356-1272
FEDERAL TAX ID # 38-239-7173
TERMS -- NET 30 DAYS DUE ON OR BEFORE MAY 30, 1992

THANK YOU. WE APPRECIATE YOUR BUSINESS.

T. B. Watson
T. B. WATSON

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

ORIGINAL

Well Name THORPE #1-18 Test No. 1 Date 4/26/92
Company BEREXCO INC. Zone ST LOUIS
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 3034
Co. Rep./Geo. CHARLES SPRADLIN Cont. BEREDCO RIG #5 Est. Ft. of Pay 8
Location: Sec. 18 Twp. 25S Rge. 36W Co. KEARNY State KS

Interval Tested 4901-4920 Drill Pipe Size 4.5 XH
Anchor Length 19 Wt. Pipe I.D.- 2.7 Ft. Run _____
Top Packer Depth 4896 Drill Collar - 2.25 Ft. Run 522
Bottom Packer Depth 4901 Mud Wt. 8.9 lb/Gal.
Total Depth 4920 Viscosity 56 Filtrate 6.6

Tool Open @ 6:25 PM Initial Blow VERY WEAK 1/4" BLOW DIED IN 5 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? NO **RECEIVED**
KANSAS CORPORATION COMMISSION

Rec. 5 Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
JUN 15 1992
CONSERVATION DIVISION
WICHITA, KS

BHT 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 37000 ppm System

(A) Initial Hydrostatic Mud 2426 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 35.6 PSI @ (depth) 4903 w / Clock No. 26191

(C) First Final Flow Pressure 22.4 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 185.4 PSI @ (depth) 4917 w / Clock No. 27585

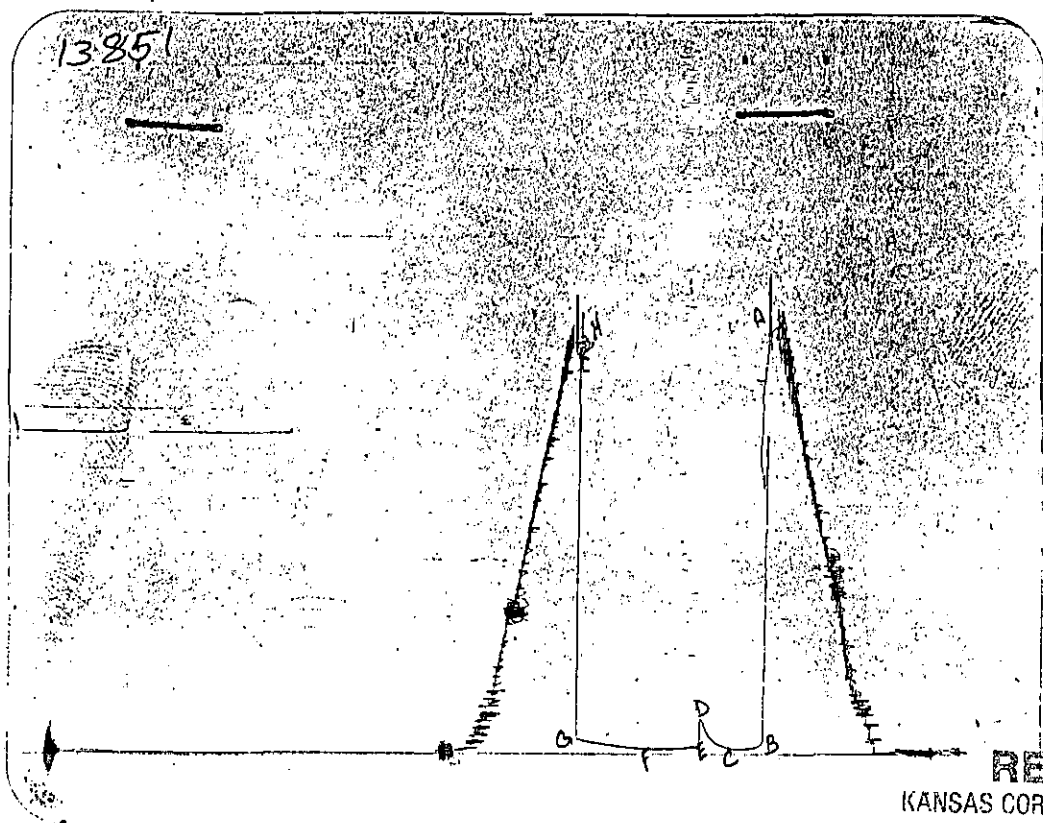
(E) Second Initial Flow Pressure 22.4 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 22.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 78.9 PSI Initial Opening 15 Final Flow 30

(H) Final Hydrostatic Mud 2316 PSI Initial Shut-in 30 Final Shut-in 60

Our Representative STEVE BOWMAN



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This is an actual photograph of recorder chart

JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2421	2425.9
(B) FIRST INITIAL FLOW PRESSURE	32	35.6
(C) FIRST FINAL FLOW PRESSURE	21	22.4
(D) INITIAL CLOSED-IN PRESSURE	181	185.4
(E) SECOND INITIAL FLOW PRESSURE	21	22.4
(F) SECOND FINAL FLOW PRESSURE	21	22.4
(G) FINAL CLOSED-IN PRESSURE	74	78.9
(H) FINAL HYDROSTATIC MUD	2312	2315.6

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

No. 4822

Well Name & No. Tharpe 1-18 Test No. #1 Date 4-26-92
 Company Berexco INC Zone Tested ST. LOUIS
 Address 970 Fourth Financial Center Wichita, KS 67202 Elevation EST 3034
 Co. Rep./Geo. _____ Cont. Beredco Rig #5 Est. Ft. of Pay 8'
 Location: Sec. 18 Twp. 25s Rge. 36 w Co. Kearny State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4901 - 4920 Drill Pipe Size 4 1/2 x H
 Anchor Length 19 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4896 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4901 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4920 Drill Collar — 2.25 Ft. Run 522
 Mud Wt. 8.95 lb/gal. Viscosity 56 Filtrate 6.6
 Tool Open @ 6:25 PM Initial Blow very weak 1/4 inch Blow Died in 5 min

Final Blow NO Blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>5'</u>	<u>RECEIVED</u>	<u>NO</u>
Rec. _____ Feet Of _____	<u>KANSAS CORPORATION COMMISSION</u>	%gas %oil %water %mud
Rec. <u>5'</u> Feet Of _____	<u>JUN 15 1992</u>	%gas %oil %water <u>100</u> %mud
Rec. _____ Feet Of _____	<u>CONSERVATION DIVISION</u>	%gas %oil %water %mud
Rec. _____ Feet Of _____	<u>WICHITA, KS</u>	%gas %oil %water %mud

BHT 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 37.00 ppm System

(A) Initial Hydrostatic Mud 2421 PSI AK1 Recorder No. 13851 Range 4425
 (B) First Initial Flow Pressure 32 PSI @ (depth) 4903 w/Clock No. 26191
 (C) First Final Flow Pressure 21 PSI AK1 Recorder No. 13850 Range 4325
 (D) Initial Shut-In Pressure 181 PSI @ (depth) 4917 w/Clock No. 27585
 (E) Second Initial Flow Pressure 21 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 21 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 74 PSI Initial Opening 15 Test ✓ 550.00
 (H) Final Hydrostatic Mud 2312 PSI Initial Shut-In 30 Jars ✓ 200.00

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS 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.

Final Flow 30 Safety Joint ✓ 50.00
 Final Shut-In 60 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By Charles B. Smalley

Our Representative Steve Bowman Thank you

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67501

Drill-Stem Test Data

ORIGINAL

Well Name THORPE #1-18 Test No. 2 Date 4/27/92
Company BEREXCO INC. Zone ST LOUIS
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 3034
Co. Rep./Geo. CHARLES SPRADLIN Cont. BEREDCO RIG #5 Est. Ft. of Pay 5
Location: Sec. 18 Twp. 25S Rge. 36W Co. KEARNY State KS

Interval Tested 5040-5063 Drill Pipe Size 4.5 XH
Anchor Length 23 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5035 Drill Collar - 2.25 Ft. Run 522
Bottom Packer Depth 5040 Mud Wt. 9.0 lb/Gal.
Total Depth 5063 Viscosity 55 Filtrate 7.6

Tool Open @ 10.00PM Initial Blow WEAK 1" BLOW

Final Blow WEAK 1/4" BLOW DIED TO SURFACE BLOW

Recovery - Total Feet 170 Flush Tool? NO

Rec. 170 Feet of WATER 100%WATER
Rec. _____ Feet of HEAVY MUD AT BOTTOM
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

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CONSERVATION DIVISION
WICHITA, KS

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.2 @ 68 °F Chlorides 39000 ppm Recovery Chlorides 5200 ppm System

(A) Initial Hydrostatic Mud 2478 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 45.6 PSI @ (depth) 5048 w / Clock No. 26191

(C) First Final Flow Pressure 45.6 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 486.3 PSI @ (depth) 5060 w / Clock No. 27585

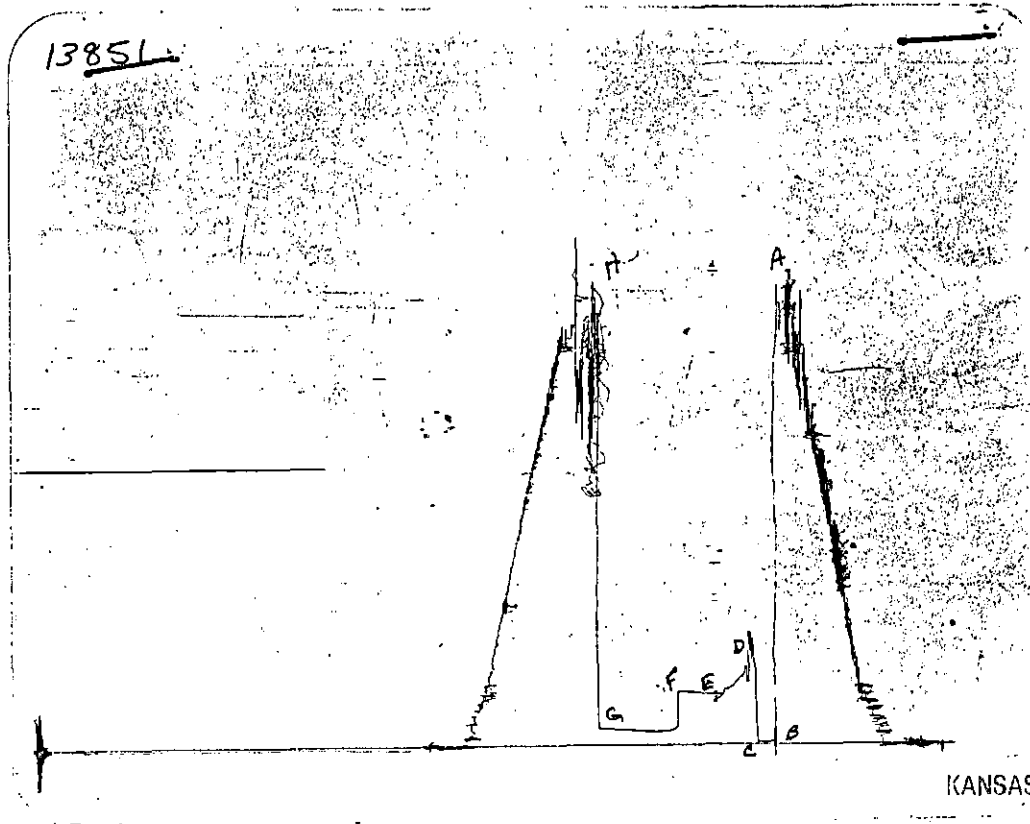
(E) Second Initial Flow Pressure 334.8 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 334.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 131.5 PSI Initial Opening 15 Final Flow 30

(H) Final Hydrostatic Mud 2317 PSI Initial Shut-in 30 Final Shut-in 60

Our Representative STEVE BOWMAN



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This is an actual photograph of recorder chart

JUN 15 1992

CONSERVATION DIVISION
WICHITA, KS

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2475	2477.9
(B) FIRST INITIAL FLOW PRESSURE	42	45.6
(C) FIRST FINAL FLOW PRESSURE	42	45.6
(D) INITIAL CLOSED-IN PRESSURE	480	486.3
(E) SECOND INITIAL FLOW PRESSURE	331	334.8
(F) SECOND FINAL FLOW PRESSURE	331	334.8
(G) FINAL CLOSED-IN PRESSURE	128	131.5
(H) FINAL HYDROSTATIC MUD	2312	2316.7

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

No. 4823

Well Name & No. Thorpe 1-18 Test No. #2 Date 4-27-92
 Company Berexco INC Zone Tested ST. Louis
 Address 970 Fourth Financial Center Wichita, KS 67202 Elevation EST 3034
 Co. Rep./Geo. _____ Cont. Berexco Rig #5 Est. Ft. of Pay 5'
 Location: Sec. 18 Twp. 25s Rge. 36w Co. Keaeny State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 5040 - 5063 Drill Pipe Size 4 1/2 x H
 Anchor Length 23' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 5035 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 5040 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5063 Drill Collar — 2.25 Ft. Run 522
 Mud Wt. 9.0 lb/gal. Viscosity 55 Filtrate 7.6
 Tool Open @ 10:00 PM Initial Blow weak 1/4 inch Blow

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Final Blow weak 1/4 inch Died to A Surface Blow JUN 15 1992

Recovery — Total Feet	Feet of Gas In Pipe	CONSERVATION DIVISION WICHITA, KS			
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. <u>170</u> Feet Of <u>Water</u>		%gas	%oil	<u>100</u> %water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 12 @ 68 °F Chlorides 39,000 ppm Recovery Chlorides 5200 ppm System

- (A) Initial Hydrostatic Mud 2475 PSI AK1 Recorder No. 13851 Range 4425
- (B) First Initial Flow Pressure 42 PSI @ (depth) 5048 w/Clock No. 26191
- (C) First Final Flow Pressure 42 PSI AK1 Recorder No. 13850 Range 4325
- (D) Initial Shut-In Pressure 480 PSI @ (depth) 5060 w/Clock No. 27585
- (E) Second Initial Flow Pressure 331 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 331 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 128 PSI Initial Opening 15 Test MISSON?
- (H) Final Hydrostatic Mud 2312 PSI Initial Shut-In 30 Jars 200

Final Flow 30 Safety Joint 50
 Final Shut-In 60 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By Charles Smudon
 Our Representative Steve Bowman Thank you