

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

Operator: License # 5063  
Name Energy Exploration  
Address 1002 South Broadway  
City/State/Zip Wichita, KS 67211

Purchaser Koch Oil

Operator Contact Person Brad Lehl  
Phone 316/267-7336

Contractor: License # 5422  
Name Abercrombie Drilling, Inc.

Wellsite Geologist Kent Roberts  
Phone 316/721-4004

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONWO: old well info as follows:  
Operator N/A  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

6-30-87 7-10-87 8-7-87  
Spud Date Date Reached TD Completion Date  
4630' 4318'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 210.75 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to SX cmt  
Cement Company Name  
Invoice #

API NO. 15-101-21,396-00-00  
County Lane  
NE SE NE Sec. 35 Twp. 16 Rge. 29 East  West

3630 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Gill Well # 1

Field Name Terwilliger Northwest

Producing Formation Lansing-Kansas City

Elevation: Ground 2800 KB 2805

Section Plat

Grid showing section plat with coordinates 5280-330 on both axes. An 'X' is marked at the intersection of 3630 and 330.

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # D-25074  Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater 4920 Ft North from Southeast Corner  
(Well) 380 Ft West from Southeast Corner of  
Sec 35 Twp 16 Rge 29 East  West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

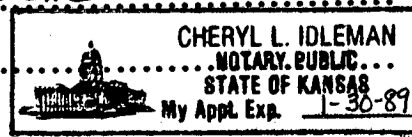
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 drillers time log shall be attached with this form. 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 Joseph D. Mace  
Title President Date 9-15-87

Subscribed and sworn to before me this 15th day of September 1987  
Notary Public Cheryl L. Idleman

Date Commission Expires 1-30-89



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Other  
STATE CORPORATION COMMISSION (Specify)  
SEP 16 1987  
09-16-1987  
Form ACO-1 (5-86)  
Wichita, Kansas

Sec 35 Twp 16 Rge 29

SIDE TWO

Operator Name Energy Exploration Lease Name Gill Well # 1

Sec. 35 Twp. 16S Rge. 29  East  West County Lane

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST #1 4216-4242 (Lns. K) 30-60-60-60, Rec. 660' MW (few 0 spks.) 45,000 chl., IHP 2087, IFP 60-180, ISIP 537, FFP 223-345, FSIP 517, FHP 2087, temp. 122°.  
 DST #2 4252-4267 (Lns. L) 30-60-60-60, Rec. 90' MW (90% W) 35,000 chl., IHP 2177, IFP 50-50, ISIP 284, FFP 60-71, FSIP 264, FHP 2137, temp. 122°.  
 DST #3 4267-4304 (Lns. L') 30-60-60-60, Rec. 600' GIP, 150' GO (37%), 240' GOCWM (10% O, 10% G, 20% W, 60% M), 180' sl. OCMW (2% O, 10% M, 88% W), 420' W, 38,000 chl., IHP 2117, IFP 111-325, ISIP 527, FFP 365-477, FSIP 527, FHP 2117, temp. 126°.  
 DST #4 4302-4410 (Len., Alt.) 30-60-60-60, Rec. 30' OCM (5% O), 120' M (0 spk.) IHP 2137, IFP 50-50, ISIP 325, FFP 81- , FSIP 213, FHP 2117, temp. 126°.  
 DST #5 4268-4288 (Lns. L) 30-60-60-60, Rec. 900' GIP, 80' CO, 120' GCMO (65% O, 25% M, 10% G) 120' GCMO (40% O, 40% M, 20% G), 60' M, 10,000 chl., IHP 2167, IFP 51-101, ISIP 577, FFP 132-172, FSIP 537, FHP 2117, temp. 126°.

Name	Top	Bottom
Formation	Sample	Log
Anhydrite	2188 +610	2184 +614
Heebner	3929 -1131	3926 -1128
Lansing	3972 -1174	3970 -1174
Stark Shale	4217 -1419	4216 -1418
BKC	4303 -1505	4298 -1500
Lenapah	4325 -1527	4324 -1526
Pawnee	4417 -1619	4418 -1620
Fort Scott	4468 -1570	4471 -1673
Cher. Jhn.	4539 -1741	4536 -1738
Mississippi	4573 -1775	4562 -1764
T.D.	4630	4631

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#	210-75	Common	150	2% gel, 3% C.C.
Production	7 7/8"	4 1/2"	10 1/2#	4518-14	50/50 poz. surefill	50	2% gel, 7 1/2# gil.
						150	4# gil.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	4448-4451	250 gal. 15% MCA	4448-51
2	4324-4327	250 gal. 15% MCA;	
		750 gal. 15% MCA	4324-27
2	4279-4281	Squeeze 50 sx. Doc Squeeze	4279-81
2	4278-4281	250 gal. 15% MCA	4278-81

TUBING RECORD Size 2 3/8" Set At 4310' Packer at N/A Liner Run  Yes  No

Date of First Production 8-20-87 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas TSTM MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	20		130	N/A	35.5

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation 4278-4281  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled .....

W. J. Luck Consultant  
Box 1045  
Great Bend, Kansas 67530

Mr. Joe Mace  
Energy Exploration Inc.  
1002 S. Broadway  
Wichita, Kansas 67211

*Wichita  
Office*

Re: Gill #-1  
Lane County, Kansas

*35-16-29W*

11-3-87

Rigged up Plain's Well Service and pulled rods and tubing. Ran and set Retrievable bridge plug at 2330. Dumped two sacks of sand on plug, loaded casing with salt water and tested plug to 500#. Rigged up Wire-tech and perforated 2160 with 2 shots. Rigged up BJ-Titan and mixed 450 sacks Lite weight cement and 50 sacks common cement, displaced cement to 2140 with water.

11-4-87

Ran temp. survey and top of cement at 275 feet. Ran bit and tubing in well and drilled out cement, washed sand off plug. Pulled tubing and bit, ran tubing and retrieving tool back in well. Could get on plug, pull tubing and retrieving tool. Ran tubing and bit back in well.

11-5-87

Cleaned out cement and sand down to top of plug, pulled tubing and bit. Ran retrieving tool and tubing back in well, got on plug and pulled tubing and plug. Ran tubing and rods back in well. Spaced pump and put well to pumping at 4:00 P.M. Rigged down, cleaned up location and moved off well.

Thank you

*W. J. Luck*

W. J. Luck

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STATE CORPORATION COMMISSION

NOV 17 1987

CONSERVATION DIVISION  
Wichita, Kansas

# REINHARDT SERVICES, INC.

BOX 601

N<sup>o</sup> 709

RUSSELL, KANSAS 67665

Company Energy Exploration Inc Well J. 11 #1

Address 1002 S. Broadway Location \_\_\_\_\_

Wichita Ks 67202 County LANE

As a part of the consideration hereof It is agreed that REINHARDT SERVICES, INC. shall not be liable or responsible for any loss, damage or injury to said well resulting from the use of said companys equipment or acts of any person engaged in doing said work on the above described well. It is expressly understood and agreed that the company will not be bound by any agreement not herein contained.

Company Representative DJ [Signature]

Date	Mileage Applicable	Rate	Amount
1/4/87	Russell to loc - 131 miles each way	.64	83 84

Date	Service Performed	Amount
1/4/87	Temp. Survey	325

Remarks: Car trip @ 225 \$T

Total Charges:

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Service Operator: [Signature] Customer Work Order No. \_\_\_\_\_

CONSERVATION DIVISION  
Wichita, Kansas

# X-PERT SERVICE TOOLS

P. O. Box 158, Hill City, Kansas 67642

## SALES & SERVICE INVOICE

REMIT TO: X-PERT SERVICE TOOLS, INC. P. O. Box 158 Hill City, Kansas 67642

B-412

2144

TERMS: NET 30 DAYS FROM DATE OF INVOICE

DATE ISSUED: 11-3-87 SHIPPED FROM: (DISTRICT) Hill City, Ks.

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Energy Exploration

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WELL NO. # 1 FIELD

COUNTY Lane LEASE Gill

RECEIVED  
STATE REVENUE  
COMMISSION  
KANSAS  
NOV 17 1987  
CONSERVATION DIVISION  
Wichita, Kansas

ITEM	QUANTITY	COMMODITY NO.	DESCRIPTION	PRODUCT NO. F/PARTS	TAX CODE	REV. CODE	UNIT CONTROL CODE	DISC.	NET AMOUNT
01	1	677-01-3421	Service With One Size 43-A Model "C" Retrievable Bridge Plug. Run Alone.			70	800.00		800.00
02	80	677-01-3421	Car Mileage One Way			WF	.75		60.00
03	1	677-01-3421	Retrieving Charge			AG	250.00		250.00
04	20	677-01-3421	Car Mileage			WF	.75		15.00
									1170.00
									234.00
									934.00
									TAX

DO NOT PAY FROM THIS COMPANY YOU WILL BE INVOICED

SIGNED FOR X-PERT SERVICE TOOLS  
*[Signature]*  
REPRESENTATIVE

I certify that the above materials or services have been received on the terms and conditions set forth on the reverse side hereof, which the undersigned has read and understood, that the basis for charges is correctly stated and that I am authorized to sign this memorandum as agent of owner or contractor.

AGENT OF OWNER OR CONTRACTOR: \_\_\_\_\_ (NAME IN FULL)

Checked By: \_\_\_\_\_ Coded By: TF  
TOTAL: \_\_\_\_\_  
Charges are subject to correction in accordance with latest price schedules and the addition of applicable

**J-TITAN SERVICES COMPANY**

CUSTOMER COPY

DATE OF JOB  
MM DD YY  
11 3 87

CONTRACT NO. 362719

DIRECT CORRESPONDENCE TO: P.O. BOX 4442 HOUSTON, TX 77210  
 TERMS: NET 30 DAYS FROM DATE OF CONTRACT  
 PERMIT TO: P.O. BOX 200416 HOUSTON, TX 77216

ORDER NO.

**CUSTOMER**

NAME: *Energy Exploration*  
 ADDRESS: *10025. Brookway*  
 CITY: *Wichita* STATE: *Ks* ZIP CODE: *66220*  
 AUTHORIZED BY: *Rick R. Laska*

**DESCRIPTION OF WELL**

WELL NO. *1* OIL  NEW  STATE *Ks* CODES *10*  
 GAS  OLD   
 LEASE NAME: *Paul* COUNTY/PARISH: *17*  
 FIELD NAME: CITY:  
 OWNER: *Energy Exploration* MTA DISTRICT:  
 LEASE LINES:  
 SURVEY LINES: *229 Aug 2030 Cont 2035 Perm*  
 SURVEY:  
 DIRECTIONS TO LOCATION: *1/2 mi S of ...*  
 SECTION, TOWNSHIP, RANGE:  
 QUADRANT:

**JOB INFORMATION**

ARRIVED: HH MM A MM DD YY *4:00 11 3 87*  
 RELEASED: HH MM A MM DD YY *11 3 87*  
 OB CODE: *124* TYPE OF JOB: *Perk* API OR IC NO.:  
 W.G. PSI: *20* BUSINESS CODE: INJ. RATE (BPM): WORKING WELL DEPTH: *2160* FT.

DIST. NO. *32* DISTRICT NAME: *Hays* SLSMAN NO.:

**CONTRACT CONDITIONS**

This contract must be signed before the job is started or merchandise delivered. The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned acknowledges that this contract for services, materials, products and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional substitute terms and/or conditions shall become a part of this contract without the written consent of an Officer of BJ-TITAN SERVICES COMPANY.

SIGNED: *[Signature]* (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	SERVICES/MATERIAL	U/M	QUANTITY	PRICE	EXTENSION
1 10.10.2.12.0	<i>Pump Truck Charge</i>	<i>E</i>	<i>2160</i>	<i>879.00</i>	<i>879.00</i>
2 01.09.0.0.8	<i>Pump Truck Mileage 45 (cont'd)</i>	<i>Mi</i>	<i>90</i>	<i>1.10</i>	<i>99.00</i>
3 10.4.1.5.0.5	<i>Lite Weight Cement</i>	<i>Q</i>	<i>4450</i>	<i>5.56</i>	<i>2502.00</i>
4 04.10.5.0.4	<i>Cement Grout</i>	<i>Q</i>	<i>50</i>	<i>6.00</i>	<i>300.00</i>
5 04.2.7.5.1.0	<i>Sand</i>	<i>Yd</i>	<i>2.00</i>	<i>5.00</i>	<i>10.00</i>
6 1.5.3.0.0.5	<i>Handling 9 Dimensions</i>	<i>SK</i>	<i>500</i>	<i>1.50</i>	<i>475.00</i>
7 09.4.0.1.0.1	<i>Handling 22' Top</i>	<i>Tm</i>	<i>990</i>	<i>0.70</i>	<i>693.00</i>
8			<i>Schedule 1</i>		<i>4950.00</i>
9			<i>less</i>		<i>1140.34</i>
0			<i>Schedule 1</i>		<i>387.66</i>
1					
2					
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RECEIVED  
 STATE CORPORATION COMMISSION  
 NOV 17 1987  
 CONSERVATION DIVISION  
 Wichita, Kansas

SERVICE REPRESENTATIVE: *Rick R. Laska* PR. BOOK: *07*  
 The above material and service ordered by the Customer and received by: (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

**WIRE-TECH SERVICES, INC.**

P. O. Box 596

Great Bend, Kansas 67530

**WORK ORDER,  
INVOICE & TICKET**

**Nº 3140**

WELL NO. AND FARM <b>GILL #1</b>		COUNTY <b>LANE</b>	STATE <b>KANSAS</b>	DATE <b>11-3-87</b>
OWNER <b>ENERGY EXPLORATION</b>		CONTRACTOR <b>PLAINS</b>	CASING SIZE <b>4 1/2"</b>	LEGAL DESCRIPTION
CHARGE TO <b>SAME</b>		CUSTOMER ORDER NO.		WIRE-TECH OPERATOR <b>B. CURTIS</b>
ADDRESS		PLACE OR FIELD	TRUCK NO. <b>50</b>	TYPE OF JOB <b>PERF.</b>

You are hereby requested to furnish equipment and servicemen to deliver and operate the same as an independent contractor to ENERGY EXPL. and deliver and sell products, supplies and materials for the purpose of performing services as follows:

PERFORATING, PLUGS AND OTHER					SERVICE CHARGE			
PRICE REFERENCE	DESCRIPTION	NO. HOLES	DEPTH FROM TO	AMOUNT	PRICE REFERENCE	RUN NO.	PREVIOUS INVOICE NO.	AMOUNT
2220.01	3 1/8" DML	2	2160' 2161'	475.00	2000.02	ONE		175.00
DEPTH AND OPERATIONS CHARGES								
PRICE REFERENCE	DESCRIPTION	DEPTH FROM TO	NO. FEET	AMOUNT				

SUB-TOTAL \$ 650.00  
 TAX LESS DISC-195.00  
 TOTAL \$ 455.00

I have read and understand the contract below and represent that I am authorized to sign the same as Customer's agent.  
 Date: 11-3-87 Time Signed: 12:00  
 Customer: [Signature]  
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NOV 17 1987

**WORK ORDER CONTRACT**

- As consideration the above named Customer agrees:
- To pay Wire-Tech in accord with the rates and terms stated in Wire-Tech's current price schedules.
  - Wire-Tech shall not be responsible for and Customer shall secure Wire-Tech against any liability for damage to property of Customer and of the Well Owner (if different from Customer) unless caused by the willful misconduct or gross negligence of Wire-Tech, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
  - Customer shall be responsible for and secure Wire-Tech against any liability for reservoir loss or damage or property damage resulting from subsurface pressure, losing control of the well and/or well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Wire-Tech.
  - Customer shall be responsible for and secure Wire-Tech against any and all liability of whatsoever nature for damages as a result of a subsurface trespass or an action in the nature thereof arising from a service operation performed by Wire-Tech hereunder.
  - Customer shall be responsible for and secure Wire-Tech against any liability for injury to or death of persons other than employees of Wire-Tech or damage to property (including but not limited to injury to well) or any damages or costs whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material or equipment in the well hole, unless such damage or costs shall be caused by the willful misconduct or gross negligence of Wire-Tech.
  - Wire-Tech makes no guarantee of the accuracy of log interpretations, the effectiveness of the products, supplies or materials, nor of the results of any treatment or service. When an interpretation of any log is required, Wire-Tech personnel will offer their best judgment as to the correct interpretation. However, since such interpretations are actually opinions based on measurements, Wire-Tech does not guarantee the accuracy of these opinions or interpretations. Customer agrees Wire-Tech is not responsible except where due to Wire-Tech's gross negligence or willful misconduct for loss, damages or expenses sustained by Customer as a result of any such interpretations made by Wire-Tech personnel.
  - Without limiting paragraph (e), at Customer's expense, to recover any Wire-Tech equipment, tools or instruments which are lost or damaged in the well, and if recovery cannot be had, to pay Wire-Tech for such equipment, tools or instruments, unless such loss or damage is caused by the negligence of Wire-Tech.
  - Wire-Tech warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. There are no warranties, express or implied, of merchantability, fitness or otherwise which extend beyond those stated in the immediately preceding sentence. Wire-Tech limits its liability for breach of any warranty or for damages, direct or consequential, resulting from its negligence with respect to the use of such products, supplies or materials to the replacement of such products, supplies or materials on their return to Wire-Tech or, at Wire-Tech's option, to the allowance to Customer of credit for the cost of such products, supplies or materials.
  - Upon Customer's default in the payment of Customer's account 60 days after receipt of invoice, such account will be subject to interest after date of invoicing until paid, at the rate of 1 1/4 percent per month.
  - Wire-Tech shall not be bound by any changes or modifications in this contract except where such change or modification is made in writing by a duly authorized executive officer of Wire-Tech.
  - Customer, or his agent, represents the well is in proper condition to receive the products, supplies, materials and services.

CONSERVATION DIVISION  
Wichita, Kansas