

ORIGINAL

CONFIDENTIAL RELEASED

SIDE ONE

MAR 0 5 1992

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

Operator: License # 3667
Name: Source Petroleum
Address 200 W. Douglas, Ste. 820
City/State/Zip Wichita, KS 67202
Purchaser: Koch
Operator Contact Person: Charles Schmidt
Phone (316) 262-7397

Contractor: Name: Emphasis Oil Operations
License: 8241
Wellsite Geologist: Randy Say

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

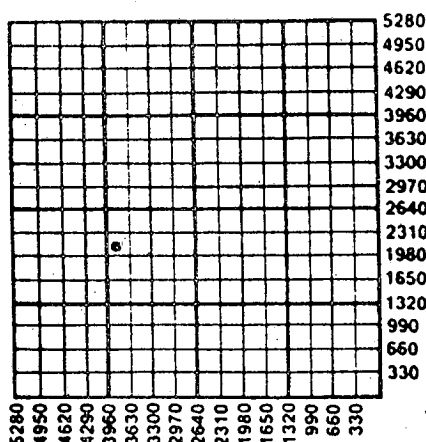
If OWMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
1/7/91 1/19/91 2/7/91
Spud Date Date Reached TD Completion Date

API NO. 15- 071-20,537-000

County Greeley FROM CONFIDENTIAL
Appx _____ East
SW NW SW Sec. 14 Twp. 18S Rge. 43W West
2130 Ft. North from Southeast Corner of Section
3800 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name LINN Well # 1
Field Name Unnamed
Producing Formation Morrow
Elevation: Ground 3891' KB 3896'
Total Depth 5200' PBTD 5165'



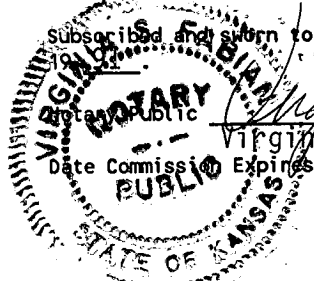
Amount of Surface Pipe Set and Cemented at 371 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2561 Feet
If Alternate II completion, cement circulated from 2561'
feet depth to surface w/ 900 sx amt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 John D. Howard, Jr.
Title General Manager Date 2/26/91

Subscribed and sworn to before me this 26th day of February,
Virginia S. Fabian
Date Commission Expires August 5, 1991



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 Plug Other (Specify)

PI

CONFIDENTIAL

ORIGINAL

SIDE TWO

Operator Name Source Petroleum Lease Name LINN Well # 1
 Sec. 14 Twp. 18S Rge. 43W East West
 County Greeley

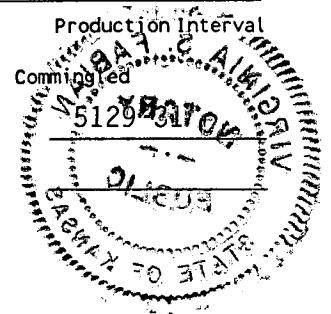
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, 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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																											
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																												
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																												
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																												
		<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Stone Corral</td><td>2560</td><td>2588</td></tr> <tr><td>Topeka</td><td>3846</td><td>4038</td></tr> <tr><td>LKC</td><td>4098</td><td>4556</td></tr> <tr><td>Marmaton</td><td>4591</td><td>4682</td></tr> <tr><td>Cherokee</td><td>4682</td><td>4934</td></tr> <tr><td>Atoka</td><td>4934</td><td>5030</td></tr> <tr><td>Morrow</td><td>5030</td><td>5180</td></tr> <tr><td>Mississippi</td><td>5180</td><td>5200 TD</td></tr> </tbody> </table>	Name	Top	Bottom	Stone Corral	2560	2588	Topeka	3846	4038	LKC	4098	4556	Marmaton	4591	4682	Cherokee	4682	4934	Atoka	4934	5030	Morrow	5030	5180	Mississippi	5180	5200 TD
Name	Top	Bottom																											
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Morrow	5030	5180																											
Mississippi	5180	5200 TD																											

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"	20#	371	60/40 Poz	200	2% gel, 3% C.C.
Production	7 7/8"	5 1/2"	15.5#	5175'	Class H Lite	125 800	3% KC .8% Halad 1/4# celloflakes
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	5127-31'			None		N/A	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer At			
2 7/8"		5157.35'		N/A			
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
2/7/91							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	112	20	50	133	37		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____



ORIGINAL

CONFIDENTIAL
RELEASED
MAY 05 1992

DST DATA ATTACHED TO ACO-1

FROM CONFIDENTIAL

#1 LINN
Appx NW NW SW, 14-18S-43W
Greeley County, Kansas

DST #1 5015-5160'

INITIAL BLOW: STRONG BLOW BOTTOM OF
BUCKET - ONE MINUTE, BLED OFF NO BLOW;
FINAL BLOW: WEAK BLOW, DIED IN 3 MINUTES

RECOVERYS:

TOTAL - 1,555'
2000' OF GAS IN PIPE
300' OF GASSY DRILLING MUD W/SPOTS OF OIL
1255' OF GASSY OCW [20% GAS; 20% OIL; 50%
WATER 10% MUD]

PRESSURES:

IHS MUD - 2580 PSI
1ST IFP - 402 PSI
1ST FFP - 740 PSI
ISIP - 944 PSI
2ND IFP - 944 PSI
2ND FFP - 944 PSI
FSIP - 957 PSI
FHS MUD - 2477 PSI

CHLORIDES: 50,000 PPM

RECEIVED
STATE CORPORATION COMMISSION

FEB 27 1991

CONSERVATION DIVISION
Wichita, Kansas

FIELD Wildcat SEC. 14 TWP. 18S RNG. 42W COUNTY Greer STATE OK DATE 5 1992

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

WELL DATA

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KB	FROM	CONFIDENTIAL
LINER						
TUBING						
OPEN HOLE				1 1/2	KB 420	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
GRIP CHOP <u>5/8</u>		<u>Howco</u>
GUIDE SHOE <u>Cement</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>S-4</u>	<u>4</u>	<u>Howco</u>
INSERTS <u>FN</u>	<u>1</u>	<u>Howco</u>
TOP PLUG <u>SW</u>	<u>1</u>	<u>Howco</u>
HEAD <u>Free Fall</u>	<u>1</u>	<u>Howco</u>
PACKER <u>FD Cemented</u>	<u>1</u>	<u>Howco</u>
OTHER <u>Cable Scratchers</u>	<u>10</u>	<u>Howco</u>

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-18-91</u>	DATE <u>1-18-91</u>	DATE <u>1-15-91</u>	DATE <u>1-17-91</u>
TIME <u>1500</u>	TIME <u>1730</u>	TIME <u>0300</u>	TIME <u>1000</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFAC BALLS TYPE _____ QTY _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G.D. Moore</u>	<u>40079</u>	<u>LAMAR, Co</u>
<u>J. Crawford</u>	<u>3501</u>	<u>LAMAR, Co</u>
<u>D. J. 77</u>	<u>6545</u>	<u>LAMAR, Co</u>
<u>File, Painter</u>	<u>4949</u>	<u>LAMAR, Co</u>
<u>44366</u>	<u>5070</u>	<u>LAMAR, Co</u>

RECEIVED
STATE COMMISSION

FF 27 1001

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 5 1/2" Long string.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR H.D. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL.
<u>1</u>	<u>150</u>	<u>Prem</u>	<u>SW</u>	<u>B</u>	<u>30% KCL, 3% HALAD 322</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI SUMMARY

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

REASON Slack Joint

VOLUMES

PRESLUSH: BBL-GAL 11.9 TYPE Mud Flush

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL. BBL-GAL 122.9

CEMENT SLURRY: BBL-GAL 31.5

TOTAL VOLUME: BBL-GAL 164.4

REMARKS THANK YOU FOR CALLING HALLIBURTON

CUSTOMER: Petroleum Lease

WELL NO. _____

JOB TYPE: 5 1/2" Long string

DATE: 1-18-91

WELL DATA

FIELD _____ SEC. 14 TWP. 18S RNG. 13W COUNTY Beeley STATE KS 1992

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE Filter Bridge Plug SET AT 2930

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC. DATA EO Tool 2500ST TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	11	15.4	5 1/2	1510	0900	INDEN
LINER						
TUBING	11	11.7	2 1/8	1510	2500	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-4-91</u>	DATE <u>2-4-91</u>	DATE <u>2-4-91</u>	DATE <u>2-4-91</u>
TIME <u>0600</u>	TIME <u>11830</u>	TIME <u>1245</u>	TIME <u>1530</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G.D. Moore</u>	<u>40079</u>	<u>LAWAR, Co</u>
<u>F.E. Painter</u>	<u>3201</u>	<u>LAWAR, Co</u>
<u>R. Arnold</u>	<u>1543</u>	<u>LAWAR, Co</u>
<u>Don McIntyre</u>	<u>4149</u>	<u>LAWAR, Co</u>
<u>David McIntyre</u>	<u>0532</u>	<u>LAWAR, Co</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL-API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL _____ % _____

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN _____

GELLING AGENT TYPE _____ GAL-LB _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN _____

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFPAC BALLS TYPE _____ QTY. _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement Job Stage Three

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X A.D. Moore

HALLIBURTON OPERATOR A.D. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>780</u>	<u>NLC</u>	<u>Ideal</u>	<u>B</u>	<u>1/4# Flocc</u>	<u>1.84</u>	<u>12.7</u>
<u>2</u>	<u>100</u>	<u>ST.2</u>	<u>Ideal</u>	<u>B</u>	<u>1/4# Flocc</u>	<u>1.18</u>	<u>15.16</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PREFLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

AVG. _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 13.5

START INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 266

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL See Job Log

REMARKS Thank You For Calling
HALLIBURTON

ORIGINAL

RELEASES

RECEIVED

913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. N^o 8391

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date	1-28-91	Sec	14	Twp	18	Range	4	Called Out	10:30 AM	On Location	2:15 AM	Job Start	8:50 AM	Finish	9:20 AM
Case	LEWIN	Well No.	1	Location	K5. 2 SL 1 1/2 N 1/4 E			County	Greene	State	Ks				
Contractor	Employs #7							Owner	S.M.C.						
Type Job	Sandac							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 listed.							
Hole Size	12 1/4			T.D.	371' 10"										
Csg	8 5/8			Depth	371' 10"										
Drill Pipe				Depth											
Tool				Depth											
Cement Left in Csg	15'			Shoe Joint											
Press Max				Minimum											
Meas Line				Displace	22.64 bbl										
Perf.															

EQUIPMENT

Pumptrk	No.	Cementor	Kris
	63	Helper	John
Pumptrk	No.	Cementor	
		Helper	
Bulktrk		Driver	Chad
	69	Driver	

Amount Ordered	200 @ 60/40 2% gel 3 1/2 cu		
Consisting of			
Common	120	5.25	630.00
Poz. Mix	80	2.25	180.00
Gel	4	67.5	270.00
Chloride	6	21.00	126.00
Quickset			
Handling	200	1.00	200.00
Mileage	100		800.00
Sub Total			1936.00
Total			1936.00

Reference	100	380.00
	100	200.00
	8 5/8 TWP	42.00
	71'	27.69
Total		649.69

Floating Equipment		
TOTAL	\$	2585.69
Disc	\$	517.14
	\$	2068.55
Thank you!		

Remarks: cement did circ
 Allied Cementing Co.
 By Kris Klitzke