

ORIGINAL

SIDE ONE

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

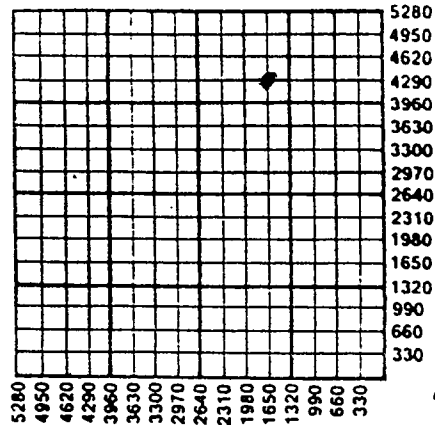
Operator: License # 5537
Name: Kenny Brown Enterprises
Address 401 N. Washington, Drawer 340
City/State/Zip Plainville, KS 67663
Purchaser: Farmland Industries
Operator Contact Person: Kenny Brown
Phone (913) - 434-7236
Contractor: Name: Emphasis Oil Operations
License: 8241
Wellsite Geologist: Ron Nelson

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 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
8/11/90 8/16/90 8-23-90
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,099 ✓ 0000
County Rooks
Approx. 50' W of _____ East
SE NW NE _____ Sec. 16 Twp. 10S Rge. 16 West
4290 Ft. North from Southeast Corner of Section
1703
1650 ²¹ _{ELL} Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name K. Brown Well # 2
Field Name Natoma West
Producing Formation Kansas City
Elevation: Ground 1929' KB 1934'
Total Depth 3520' PSTD _____



Amount of Surface Pipe Set and Cemented at 209 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 3516
feet depth to surface w/ 500 sx cmt.

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 Kenny E Brown
Title Owner/Manager Date 10-9-90
Subscribed and sworn to before me this 9th day of October,
19 90.
Notary Public Barbara West
Date Commission Expires _____

NOTARY PUBLIC
BARBARA WEST
My Appl. Exp. 5-27-91

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

SIDE TWO

Operator Name Kenny brown Enterprises Lease Name K. Brown Well # 2

Sec. 16 Twp. 10S Rge. 16 East West
 County Rooks

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1106</td> <td>+ 828</td> </tr> <tr> <td>Base Anhydrite</td> <td>1143</td> <td>+ 791</td> </tr> <tr> <td>Topeka</td> <td>2818</td> <td>- 884</td> </tr> <tr> <td>Heebnor</td> <td>3050</td> <td>- 1116</td> </tr> <tr> <td>Toronto</td> <td>3074</td> <td>- 1138</td> </tr> <tr> <td>LKC</td> <td>3096</td> <td>- 1162</td> </tr> <tr> <td>BKC</td> <td>3343</td> <td>- 1410</td> </tr> <tr> <td>Arbuckle</td> <td>3460</td> <td>- 1526</td> </tr> <tr> <td>TD (3520 sample)</td> <td>3512</td> <td>- 1578</td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1106	+ 828	Base Anhydrite	1143	+ 791	Topeka	2818	- 884	Heebnor	3050	- 1116	Toronto	3074	- 1138	LKC	3096	- 1162	BKC	3343	- 1410	Arbuckle	3460	- 1526	TD (3520 sample)	3512	- 1578
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Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																															
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																															
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															

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
		8 5/8"	20.	209'	60/40 pos	135	3 % CC 2% gal
		5 1/2"	15.5	3516'	Econolite plus EAZ	500	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
limited	3274, 3355, 3306, 3261, 3188	NR-14000 gal 15%	
Entry	3133, 3109		

TUBING RECORD Size 2 3/8" Set At 3477 Packer At _____ Liner Run Yes No

Date of First Production 9-4-90 Producing Method Flowing Pumping Gas Lift Other (Explain) 10-11-90
 Estimated Production Per 24 Hours Oil 3 Bbls. Gas _____ Mcf Water _____ Bbls. Gas-Oil Ratio 1.1 Gravity 1.1533

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____ Production Interval _____

State Copy

ORIGINAL

15-163-23099-0000

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL KS 67665

DRILLERS LOG

OPERATOR: Kenny Brown Enterprises
401 N. Washington, P. O. Drawer 340
Plainville, Kansas 67663

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: K. Brown

WELL #2

LOCATION: Approx. 50' W of SE NW NE
Section 16-10S-16W
Rooks County, Kansas

LOGGERS TOTAL DEPTH: 3512'

ROTARY TOTAL DEPTH: 3520'

COMMENCED: 8/11/90

ELEVATION: 1934'

COMPLETED: 8/16/90

CASING: 8-5/8" @ 209' w/135 sks cement
5-1/2" @ 3511' w/500 sks cement

STATUS: Oil Well
(350 Specolite plus 150 EA2)

DEPTHS & FORMATIONS

(All measurements from K.B.)

Dakota Sand	550'	Shale	1808'
Red Bed	630'	Shale & Lime	2095'
Cedar Hills	675'	Lime & Shale	3361'
Anhydrite	1103'	Shale & Lime	3465'
Sand & Shale	1140	R.T.D.	3520'

JOB LOG

5 1/2" Csg
Cement Job

WELL NO. 2

LEASE K. Brown

TICKET NO. 005767

15-163-23099-0000

CUSTOMER

Kenny Brown Enterprises

PAGE NO.

JOB TYPE

Production Casing

DATE

ORIGINAL

13R-2

State copy

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
12:00							Called out
15:00							On location Rig laying down O.P.
16:20							Start 5 1/2" 15.5#/ft Csg
							Guide Shoe, Insert float
							Centralizers: 1 st 4 th 7 th 10 th 13 th 17 th 21 st Csg.
							Baskets: 2 nd , 9 th , 15 th , 20 th CMT
18:06							Dogleg Ball for Insert Csg on bottom hook up
18:48						700	Ball through Insert
18:50							Circulation
20:05	7 1/2					300	Start mixing cement 350 sks Ecocrete + 1 1/4" Floccs / sk 150 EA-2 wt 12 1/2" Gilsomite
20:45	7 1/2	2.55				200	Cement mixed Release SW plug
							Wash out pump & line
20:50	7 1/2					200	Start displacement
20:59	7 1/2	57				200	Cement circulating
21:03		84				1400	Plug down
21:05							Release Pressure - float held Circulated approx 45 sks out to pit Wash up equipment Rack up Job completed

Thank you.

Dial, Mel, & John.

OCT 11 1990