

ORIGINAL

ORIGINAL

SIDE ONE

135-23-374-8000

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 # 3447
Name Ranken Energy Corporation
Address 2325 S. W. 15th Street
Edmond, OK 73013
City/State/Zip

Purchaser Koch Oil Co.

Operator Contact Person Tom Larson
Phone (316) 792-3664

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Doug Bellis
Phone (405) 340-2363

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-16-89 9-24-89 10-28-89
Spud Date Date Reached TD Completion Date
4650' 4610'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 207 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2032 feet
If alternate 2 completion, cement circulated from 2032 feet depth to surface/295 SX cmt
Cement Company Name Halliburton
Invoice # 835968-1
4-23-90

API NO. 15-
County Ness
100' E of East
NE NE NE Sec. 16 Twp. 18S Rge. 26 W West

4950 Ft North from Southeast Corner of Section
230 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Bentley Well # 1-16

Field Name Val Jean

Producing Formation Mississippian

Elevation: Ground 2625' KB 2630'

Section Plat

Section Plat grid with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # 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 Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

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

Other (explain) Drilling Contractor (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 this 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 [Signature] 11-27-89
Title President Date

Subscribed and sworn to before me this 13th day of December 1989
Notary Public Patricia Cronwell
Date Commission Expires April 14, 1993

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

Pix

Operator Name Ranken Energy Lease Name Bentley Well # 1-16

Sec. 16 Twp. 18S Rge. 26 East West County Ness

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

Name	Top	Bottom
Anhydrite	1980	2006
Heebner	3933	
Toronto	3952	
Lansing	3974	
Stark	4229	
B./KC	4296	
Marmation	4305	
Labette	4475	
Ft. Scott	4480	
Cherokee	4502	
Miss.	4575	

DST#1 4561'-89', Rec. 200' GIP, 20' FO, 165' GMCO (60% oil, 35% mud, 5% gas), IH 2345, IFP 46-46, ISIP 1165, FFP 56-59, FSIP 1156, FH 2223

CASING RECORD <input checked="" type="checkbox"/> Now <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, <u>surface</u> , <u>intermediate</u> , <u>production</u> , 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	207'	60-40 Poz	135	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14	4641'	EA-2	125	7 1/2 lb. Gilsonite/s
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	4676'-86'			500 gal. 15% MCA			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 7/8		Set At 4592		Packer at			
Date of First Production	Producing Method						
10-13-89	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	22 bbls	MCF	300 bbls				

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4676-86.....
 Used on Lease Dually Completed Conningled
 Mississippian

15-135-23374-0000

EMPHASIS OIL OPERATIONS

RANKEN ENERGY CORP.

P. O. BOX 506

SEP 28 1989

RUSSELL, KS 67665

ORIGINAL

DRILLERS LOG

OPERATOR: Ranken Energy Corporation
2325 S.W. 15th
Edmond, Oklahoma 73013

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Bentley

WELL #1-16

LOCATION: 100' E of NE NE NE
Section 16-18S-26W
Ness County, Kansas

LOGGERS TOTAL DEPTH: 4646'

ROTARY TOTAL DEPTH: 4650'

COMMENCED: 9/16/89

CASING: 8-5/8" @ 207' w/135 sks cement
5-1/2" @ 4645' w/125 sks cement
2000' - Port Collar to be cemented later

ELEVATION: 2630' K.B.

COMPLETED: 9/24/89

STATUS: Oil Well

DEPTHS & FORMATIONS

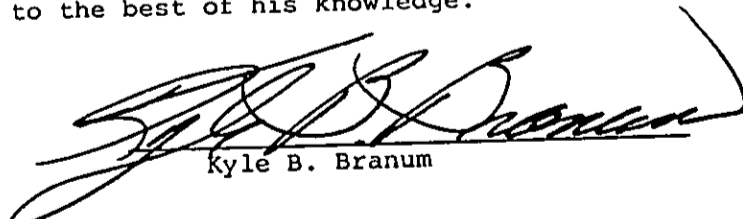
(All measurements from K.B.)

UTG 1 4 1989
Ranken Energy Corp.
Russell, Kansas

Top Soil, Post Rock & Sand	130'	Red Bed	2500'
Shale	1122'	Top of Heebner	3933'
Dakota Sand	1160'	Top of Lansing-Kansas City	3976'
Red Bed	1470'	Base of Kansas City	4292'
Cedar Hills Sand	1696'	Ft. Scott	4481'
Red Bed	1980'	Mississippi	4575'
Anhydrite	2011'	R.T.D.	4650'

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

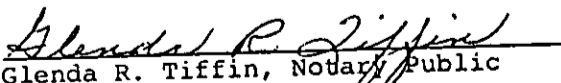
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

Subscribed and sworn to before me on September 25, 1989.

My commission expires: February 6, 1992.

GLENDIA R. TIFFIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-92


Glenda R. Tiffin, Notary Public