

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 # KCC 4781
Name IKE Enterprises
Address R.R. 1, Box 132
City/State/Zip Natoma, Ks. 67651

Purchaser.....

Operator Contact Person W. Keith Elliott
Phone 919-885-4848

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist L.R. Bookless
Phone 316-793-8837

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.....

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/29/86 2/9/86 2/9/86
.....
Spud Date Date Reached TD Completion Date
4,100'
.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 253.96 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt

API NO. 15- 141-20,224-00-00
County Osborne
SW/4 NE/4 NE/4 Sec. 29 Twp. 9S Rge. 14W East West

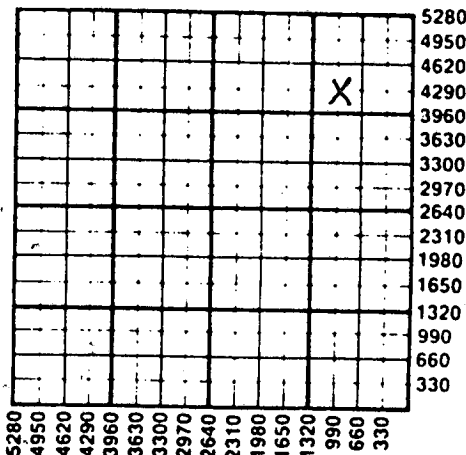
4290 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Joe Delaney Well # 1

Field Name.....

Producing Formation.....

Elevation: Ground 2031 KB 2036
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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 4000 Ft North from Southeast Corner
(Stream, pond etc.) 1100 Ft West from Southeast Corner
Sec 29 Twp 9S Rge 14 East West

Irene Delaney Estate, Paradise, Ks. 67658
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 W. Keith Elliott
Title Owner (IKE Enterprises) Date 8-15-86

Subscribed and sworn to before me this 15th day of August
19.86...
Notary Public Vivian A. Mapes

Date Commission Expires.....



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)

AUG 18 1986

8-18-86

SIDE TWO

Operator Name IKE Enterprises Lease Name Joe Delaney Well No. 1

Sec. 29 Twp. 9S Rge. 14W East West County Osborne

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

See Attached Geological Report and Well Log

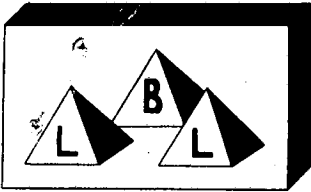
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	260'	Common	190	2% Gel 3%CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Sold Used on Lease

Open Hole Perforation Other (Specify).....

Dually Completed Commingled



15-141-20224-00-00

**L. B. L.
COMPANY**

2400 Canterbury Lane
Great Bend, Kansas 67530

**L. R. (LARRY) BOOKLESS
GEOLOGIST
CONSULTING DIVISION
P.O. Box 1158
Phone (316) 793-8837**

February 11, 1986

I.K.E. Enterprises
R.R. #1 - Box 132
Natoma, Kansas 67651

Re: I.K.E. Enterprises -
Delaney #1
560 ~~SE~~ ~~NE~~ ~~NE~~
Sec. 29-9s-14w
Osborne County, Kansas

Gentlemen:

The following is the Geological report for the above captioned well:

CONTRACTOR:	Red Tiger Drlg. Co. Rig #8
DATE COMMENCED:	January 29, 1986
DATE COMPLETED:	February 9, 1986
ROTARY TOTAL DEPTH:	4100' R.T.D.
LOG TOTAL DEPTH:	4101' L.T.D.
SURFACE CASING:	Set 8 5/8" @ 260'
ELEVATIONS:	2031' G.L.; 2036' K.B.
DEPTH MEASURED FROM:	2036' K.B.
DRILLING TIME PLOTTED:	1200' - 1350'; 2750' - 4100' R.T.D.
SAMPLES EXAMINED:	2800' - 4100' R.T.D.
ELECTRIC LOGGED:	Great Guns, Inc.; Radiation Guard Log w/Caliper
DRILL STEM TEST:	Formation Testing Services D.S.T. #1 2994' - 3025' D.S.T. #2 3294' - 3340'
COMPLETION:	Dry and abandon

RECEIVED
STATE OF KANSAS
GEOLOGICAL SURVEY
CORRELATION DIVISION
GCS

AUG 18 1986

FORMATION DATA

<u>FORMATION</u>	<u>DEPTH</u>		<u>SUBSEA</u>	
	<u>SAMPLE</u>	<u>E. LOG</u>	<u>SAMPLE</u>	<u>E. LOG</u>
Anhydrite (Top)	1261	1268	+ 775	+ 768
(Base)	1294	1294	+ 742	+ 742
Topeka	2974	2976	- 938	- 940
King Hill Shale	3087	3087	-1051	-1051
Queen Hill Shale	3148	3150	-1112	-1114
Heebner	3221	3222	-1185	-1186
Toronto	3244	3247	-1208	-1211
Lansing	3272	3272	-1236	-1236
Stark Shale	3484	3485	-1448	-1449
Base Kansas City	3548	3548	-1512	-1512
Marmaton	3580	3582	-1544	-1546
Conglomerate	3680	3680	-1644	-1644
Mississippian	3777	3779	-1741	-1743
Viola	3867	3874	-1831	-1838
Simpson	4007	4009	-1971	-1973
Arbuckle	4058	4058	-2022	-2022
Total Depth	4100	4101	-2064	-2065

STRUCTURAL POSITION IN RELATION TO NEARBY TEST

<u>FORMATION</u>	<u>*I.K.E. Enterprises</u> Delaney #1 SE NE NE Sec. 29-9s-14w Osborne County, Ks.	<u>**Crude Producers</u> #1 Delaney SW NW NE Sec. 29-9s-14w Osborne County, Ks.	<u>*E.S.P. Development</u> #1 Brown 100' w SE SW Sec. 19-9s-14w Osborne County, Ks.
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Anhydrite (Top)	+ 768	+ 791	+ 772
(Base)	+ 742	+ 757	+ 737
Topeka	- 940	- 948	- 939
Heebner	-1186	-1196	-1179
Toronto	-1211	-1221	-1203
Lansing	-1236	-1246	-1231
Stark Shale	-1449	-	-1444
Base Kansas City	-1512	-1523	-1501
Marmaton	-1546	-	-1535
Conglomerate	-1644	-1647	-1627
Mississippian	-1743	-	-1697
Viola	-1838	-	-1805
Simpson	-1973	-	-1947
Arbuckle	-2022	-	-1997
Total Depth	-2065	-1661	-2051

* Electric Log measurements
** Sample Tops

RECEIVED
AUG 18 1983
CONTRACT NO. 15-141-20224-00-00

AUG 18 1983

ZONES OF INTEREST

FORMATION

DEPTH

DESCRIPTION

Topeka Section

3007 - 3012

Limestone, light tan, light gray, fine crystalline, crystalline, slightly dense. Some visible intercrystalline to pinpoint porosity. Saturated stain. Slight show free oil to bleeding oil. Faint odor. Tested.

DRILL STEM TEST NO. 1 2994' - 3025'

Open: I.F. (30")
F.F. (30")

Note: Tool slid 8' - 10' to bottom.

Blow: Weak to surface blow - died in 25 min. - 1st opening. No blow - flushed tool - no help - 2nd opening.

Recovery: 15' mud

Pressures: I.F.P. 42-42#
I.S.I.P. 940# (60")
F.F.P. 42-42#
F.S.I.P. 866# (60")
I.H.P. 1603#
F.H.P. 1572#

Temperature: 94°

3042 - 3047

Limestone, light gray, fine crystalline, dense, spotted stain with trace saturated stain to fossiliferous, detrital, silty. Visible interfossil porosity. No stain. No show of oil. No odor.

3195 - 3202

Limestone, light tan, fine sucrosic to fine crystalline, slightly fossiliferous. Some with chalky matrix, friable. Visible intercrystalline porosity. No stain. No show of oil. No odor.

Lansing Section

3306 - 3309
("B" Zone)

Limestone, cream, fine crystalline, oolitic with crystalline matrix. Poor to fair developed oolitic porosity. Spotted to saturated slightly dark stain. Trace barren porosity. Rainbow with trace free oil. Very faint odor. Tested.

FORMATIONDEPTHDESCRIPTION

3324 - 3329
("C-D" Zone)

Limestone, cream, light tan, fine crystalline to micro-oolicastic with crystalline matrix. Slightly dense. Poor - fair visible oolicastic porosity. Spotted to saturated stain. Very slight show free oil. Slight show free oil when pieces broken. Faint odor. Tested.

DRILL STEM TEST NO. 2 3294' - 3340'

Open:

I.F. (60")
F.F. (30")

Blow:

Weak building to 1" blow - 1st opening. Weak blow - died in 20 min. - 2nd opening.

Recovery:

15' gassy mud with few spots of oil on tool.

Pressures:

I.F.P. 49-49#
I.S.I.P. 1126# (60")
F.F.P. 49-49#
F.S.I.P. 1096# (60")
I.H.P. 1836#
F.H.P. 1796#

Temperature:

104°

3372 - 3378
("G" Zone)

Limestone, light gray, fine crystalline, mostly dense. Scattered oolicastic. Trace of visible oolicastic porosity. Barren to trace spotted stain. No show of oil. No odor.

3525 - 3528
("L" Zone)

Limestone, cream, light gray, fine crystalline, slightly chalky and fossiliferous in part. Some visible interfossil (poor) porosity. No stain. No show of oil. No odor.

Conglomerate Section

3680 - 3684
3692 - 3697
3722 - 3726

Chert, multicolored, fresh, sharp to weathered, traces of rounded quartz grains with carbonate matrix and cement material. No stain. No show of oil. No odor.

3736 - 3741
3754 - 3762

Sandstone, light gray, very fine grained quartz to silty, mostly clay matrix, friable. Chert, as above. No stain. No show of oil. No odor.

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<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
<u>Mississippian Section</u>	3777 - 3789	Chert, white, cream, buff, fresh, sharp to weathered. Some visible tripolitic chert, abundant chalk. Visible tripolitic porosity. No stain. No show of oil. No odor.
<u>Viola Section</u>	3914 - 3936	Limestone, cream, light tan, tan, fine crystalline, crystalline. Sucrosic. Visible intercrystalline sucrosic porosity. Possible light stain. Specked gilsonite. Slight rainbow. No show of free oil. No odor.
<u>Arbuckle Section</u>	4060 - 4066 4080 - 4084	Dolomite, cream, light tan, fine crystalline to crystalline. Sucrosic in part. Some slightly dense. Visible intercrystalline to scattered vugular porosity. No stain. No show of oil. No odor.

F. H. ...
STATE ...
CORPORATION ...

AUG 18 1985

15-141-20224-00-00

SUMMARY

The subject well was under Geological supervision from 2800 feet to 4100 feet rotary total depth.

Structurally the test well in question ran 10 feet high on the Lansing to the only test hole in the area, the Crude Producers, #1 Delaney, 990 feet to the west. All other tests in the area were approximately 1 mile away or more. The fact that the test ran higher than the above mentioned well indicates a reversal in the Lansing structural position and not the regional trend which would dip to the east. Below the pre-Penn unconformity (Conglomerate) the structural position of the underlying formations seemed to indicate regional dip to the east and northeast into the Salina Basin.


A show of oil was observed in the 30 foot zone in the upper Topeka and drill stem tested with negative recovery and an undesirable pressure drop. The B and C-D zones of the Lansing exhibited thin zones of formation development with slight oil shows. Both zones appeared to contain oolitic porosity. They were tested together with marginal to negative recovery but acceptable bottom hole pressures. The test results indicated low reservoir permeability. No other shows of oil were observed in the remaining formations of the test well, therefore no more drill stem tests were ran.

A Radiation guard log with caliper was ran to further evaluate the test well in question and confirm driller measurements and sample tops.

Based on the lack of oil shows and favorable zone development, negative drill stem test results and log evaluation, the decision was made to plug the test well and consider it non-productive.

A complete Geological log accompanies this report.

Respectfully submitted,



L.R.(Larry) Bookless
Consulting Geologist

lrb/bjb
encl.
cc:

AUG 18 1986