

ORIGINAL

SIDE ONE

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

API NO. 15- 141-20,251-00-00

County Osborne

N/W 1/2 S/E 1/2 S/E 1/2 Sec. 22 Twp. 10S Rge. 15 East West
NW/4

3135 Ft. North from Southeast Corner of Section

3960 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

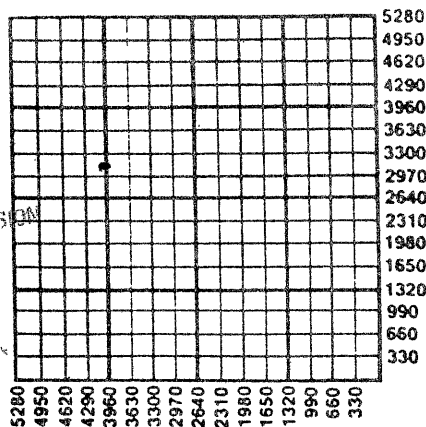
Lease Name Elliott Well # 2

Field Name Ruggles

Producing Formation Conglomerate/Kansas City/Toronto

Elevation: Ground 1796' KB 1801'

Total Depth 3588' PBDT 3422'



Amount of Surface Pipe Set and Cemented at 330 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

KCC agent Marion Schmidt on location for cementing
If Alternate-II completion, cement circulated from 964

feet depth to 3150 w/ 300 320 sx cmr.

Operator: License # 6600

Name: Don Karst Well Service, Inc.

Address 201 E. 29th Street

P.O. Box 1316

City/State/Zip Hays, Kansas 67601

Purchaser: Clear Creek

Operator Contact Person: Don Karst

Phone (913) -628-1125

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Brad Hutchinson

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If **OWNO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

4/9/90 4/17/90 5/22/90
Spud Date Date Reached TD Completion Date

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Wichita Kansas

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-111 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 Donald Karst

Title Donald D. Karst Date 7-25-90

Subscribed and sworn to before me this 25th day of July, 19 90.

Notary Public Colleen Payton

Date Commission Expires May 2, 1991

Colleen Payton
NOTARY PUBLIC
State of Kansas
My Appt. Expires 5-2-91

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 GGS Plug Other (Specify)

CO89010

JAN 19 1990

SIDE TWO

Operator Name Don Karst Well Service, Inc. Lease Name Elliott Well # 2
County Osborne
Sec. 22 Twp. 10S Rge. 15

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 [X] Yes [] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No

Formation Description table with columns: Name, Top, Bottom. Rows include Anhydrite, Topeka, Heebner, Toronto, Lansing, Base K.C., Conglomerate, Simpson, Arbuckle.

CASING RECORD [] New [X] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives.

PERFORATION RECORD table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Size 2-7/8" Set At 3403' Packer At none Liner Run [] Yes [X] No

Date of First Production June 23, 1990 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Table with 8 columns: Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

Disposition of Gas: [] Vented [] Sold [X] Used on Lease
METHOD OF COMPLETION: [] Open Hole [X] Perforation [] Dually Completed [] Commingled
Production Interval

ORIGINAL

LANSING SECTION
2989-2992

Limestone, cream, oolitic to oocastic, slightly fossiliferous, fair to good oocastic to fossilcast porosity, fair to good dark brown stain and saturation. Show of free oil (gassy) and weak odor in wet samples. (Perforate.)

3008-3011

Limestone, gray, oolitic, cherty and dense, trace of spotty poor vugular porosity, scattered brown stain. Trace of free oil and no odor in wet samples.

DRILL STEM TEST #1 2964-3020

OPEN:

I.F. 30"
F.F. 30"

BLOW:

Weak, died in 15 minutes

RECOVERY:

20' of slightly oil cut mud
50' of mud

PRESSURES:

ISIP 301 PSI
FSIP 225 PSI
IFP 58-66 PSI
FFP 75-75 PSI
HSH 1574-1559 PSI

3049-3051

Limestone, tan, oolitic, dense and cherty, trace of rare stain, no visible porosity, abundant FES₂. No free oil or odor in wet samples.

3059-3068

Limestone, white to cream, oocastic, good oocastic porosity (mostly barren), trace of spotty stain. Show of free oil and weak odor in wet samples.

3124-3126

Limestone, gray to tan, dense and cherty, trace of very poor spotty pinpoint porosity, trace of rare edge stain. No free oil or odor in wet samples.

3180-3183

Limestone, buff, very finely crystalline, cherty, trace of pinpoint porosity, scattered brown stain. No free oil or odor in wet samples. (Perforate)

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CONSERVATION DIVISION
Wichita, Kansas

dark brown stain and saturation.
Show of free oil (heavy) and no
odor in wet samples. (Perforate)

3331-3336

Abundant vari-colored chert.
Trace of stain.

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15-141-20251-00-00

DRILL STEM TEST #2 3305-3337

OPEN:

I.F. 45"
F.F. 45"

BLOW:

Weak

RECOVERY:

150' of oil cut mud (15-20% oil)

PRESSURES:

ISIP 534 PSI
FSIP 518 PSI
IFP 50-66 PSI
FFP 83-100 PSI
HSH 1832-1816 PSI

ARBUCKLE SECTION

3400-3408

Dolomite, tan, finely crystalline,
spotty fair intercrystalline
porosity. No shows of oil.

3410-3450

Dolomite, tan to gray, cherty,
medium crystalline, fair scattered
vuggy porosity plus dense cherty
dolomite. No shows of oil.

3450-3590

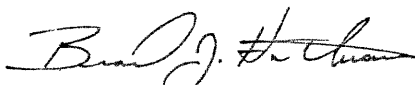
Dolomite, tan, medium to coarse
crystalline, good to excellent
intercrystalline porosity, plus
dolomite as above. No shows of
oil.

ROTARY TOTAL DEPTH 3589 (-1787)

ELECTRIC LOG TOTAL DEPTH 3590 (-1788)

Recommendations: It was recommended that 5 1/2" production be set and cemented at 3460', to further test zones of interest. Should completion prove non-commercial, the Elliott #2 should be converted into a saltwater disposal well.

Respectfully Submitted,



Brad J. Hutchison

BJH/ps

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CONSERVATION DIVISION
Wichita, Kansas

15-141-20251-00-00

483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

NEW

ALLIED CEMENTING CO., INC. N^o 8486
 Home Office P. O. Box 31 Russell, Kansas 67665

Date	5-21-90	Sec.	22	Twsp.	10	Range	15	Called Out	11:00 A.M.	On Location	1:30 P.M.	Job Start	2:00 P.M.	Finish	3:00 P.M.
Lease	Elliott #	Well No.	# 2	Location	Natoma 3E			County	Osborne		State	Kansas			

Contractor	Natoma Well SERVICE		
Type Job	Port Collar		
Hole Size	7 7/8	T.D.	3588
Csg.	5 1/2	Depth	3463
Tbg. Size	2 1/2	Depth	964
Drill Pipe		Depth	
Tool	Port Collar	Depth	964
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

Owner	SAME		
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.			
Charge To	Don Karst Well SERVICE		
Street	Box 1316		
City	Hays	State	Kansas
The above was done to satisfaction and supervision of owner agent or contractor.			
Purchase Order No.			
X			

EQUIPMENT

Pumptrk	No.	Cementer	R. Davis
	33	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	
Bulktrk	146	Driver	EJ Kuhn

CEMENT		
Amount Ordered	300 SKs 60/40 6% GEL	
Consisting of		
Common	180 SKs @ 5 ⁰⁰	900 ⁰⁰
Poz. Mix	120 SKs @ 2 ²⁵	270 ⁰⁰
Gel.	15 SKs @ 6 ⁷⁵	101 ²⁵
Chloride		
Quickset		
Sales Tax		

DEPTH of Job		
Reference: #		450 ⁰⁰
	1.00 PER MILE	25 ⁰⁰
	Sub Total	
	Tax	
	Total	475 ⁰⁰

Handling	RECEIVED @ 90¢	270 ⁰⁰
Mileage	3¢ / SK / MILE	225 ⁰⁰
	JUL 26 1990	
	Sub Total	
	Total	1766 ²⁵

Remarks:

Floating Equipment

note: KCC agent Marion Schmidt was on location for this cementing. He OK'd the port collar job & had us go down the backside the next day. Cement down the backside didn't circulate, but was getting into the surface according to Marion.

15-141-20251-00-00

483-2627, Russell, Kansas
 16-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

NEW

ALLIED CEMENTING CO., INC. N° 8487
 Home Office P. O. Box 31 Russell, Kansas 67665

Date	5-22-90	Sec.	22	Twp.	10	Range	15	Called Out	9:00 AM	On Location	11:00 AM.	Job Start	11:30 AM	Finish	12:30 P.M.
Lease	Elliott	Well No.	# 2	Location	Natoma	3E		County	Osborne	State	Kansas				

Contractor	Natoma Well Service	
Type Job	Back Side	
Hole Size	7 7/8	T.D. 3588
Csg.	5 1/2	Depth 3463
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.		Shoe Joint
Press Max.	1000	Minimum
Meas Line		Displace
Perf.		

Owner	Same	
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.		
Charge To	Don Karst Well Service	
Street	Box 1316	
City	Hays	State Kansas
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.		
X		

EQUIPMENT

No.	Cementer	R. Davis
Pumptrk 83	Helper	
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk 213		Jim.
Bulktrk	Driver	

CEMENT		
Amount Ordered	20 SKs	6940 6% Gel
Consisting of		
Common	12 SKs @ 5.00	60.00
Poz. Mix	8 SKs @ 2.25	18.00
Gel.	2 SKs @ 6.75	13.50
Chloride		
Quickset		

DEPTH of Job	
Reference:	360.00
	1.00 PER MILE
	25.00
Sub Total	
Tax	
Total	385.00

Handling	@ 90¢	18.00
Mileage	3 1/2 SK / MILE	40.00
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JUL 26 1990		
CONSERVATION DIVISION Flooding Equipment		
Sub Total		
Total		149.00

Remarks:

EMPHASIS OIL OPERATIONS
 P. O. BOX 506
 RUSSELL, KS 67665

ORIGINAL

DRILLERS LOG

OPERATOR: Don Karst Well Service, Inc.
 201 E. 29th Street
 Hays, Kansas 67601

CONTRACTOR: Emphasis Oil Operations
 Box 506
 Russell, KS 67665

LEASE: Elliott

WELL #2

LOCATION: W/2 E/2 E/2 NW/4
 Section 22-10S-15W
 Osborne County, Kansas

LOGGERS TOTAL DEPTH: 3590'

ROTARY TOTAL DEPTH: 3588'

COMMENCED: 4/9/90

CASING: 8-5/8" @ 330' w/200 sks cement
 5-1/2" @ 3459' w/200 sks cement

ELEVATION: 1801' K.B.

COMPLETED: 4/17/90

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Sand	60'	Shale & Lime	2393'
Sand & Shale	334'	Lime & Shale	2940'
Sand	430'	Lime	3043'
Shale	521'	Lime & Shale	3225'
Anhydrite	964'	Lime & Chirt	3391'
Shale	1001'	Arbuckle	3490'
Shale & Lime	1471'	R.T.D.	3588'
Shale	1955'		

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 Wichita, Kansas

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
 Kyle B. Branum

Subscribed and sworn to before me on April 18, 1990.

My commission expires: February 6, 1992.

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

Glenda R. Tiffin
 Glenda R. Tiffin, Notary Public