

ORIGINAL

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

API NO. 15- 09721,351- 0000

County Kiowa

- SE - SE - SE Sec. 28 Twp. 28 Rge. 19 X ^E _W

100 Feet from SW (circle one) Line of Section

440 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Mullinville Well # 1

Field Name Wildcat

Producing Formation N/A

Elevation: Ground 2301 KB 2306

Total Depth 2376 PBDT

Amount of Surface Pipe Set and Cemented at 606 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ACT 1 DIA 6-12-97
(Data must be collected from the Reserve Pit) DPW

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:
RECEIVED
KANSAS CORPORATION COMMISSION

Operator Name 6-10-97

Lease Name JUN 10 1997 License No.

Quarter Section Twp. S Rng. E/W

County WICHITA, KS Docket No.

Operator: License # 5278

Name: Enron Gas Services, Inc

Address 1400 Smith St.

City/State/Zip Houston, TX 77002-7361

Purchaser: N/A

Operator Contact Person: Garry Wilson

Phone (713) 853-7356

Contractor: Name: Brandt Drilling Co.

License: 5840

Wellsite Geologist: Robert Mason

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

2-22-93 3-6-93 3-9-93

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 207B, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 Garry Wilson

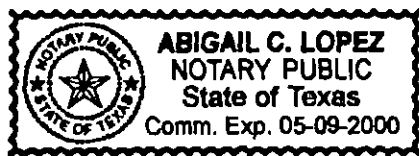
Title DIRECTOR STORAGE PLANNING Date 6-6-97

Subscribed and sworn to before me this 6th day of June, 19 97.

Notary Public Abigail C. Lopez

Date Commission Expires 05-09-2000

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



SIDE TWO

Operator Name Enron Gas Services Lease Name Mullinville Well # 1

Sec. 28 Twp. 28 Rge. 19 East West
 County Kiowa

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 Spectral Density
 Dual Induction Laterlog
 Long Spaced Sonic

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 Hutchinson Salt 1890 411

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	23	606	Class A	300	2% Gel & 3% Cal

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	(SEE ATTACHED PLUGGING REPORT)			
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record	
		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.				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	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

15097213510000

ORIGINAL

lithology observed in core:					
anhydrite	shale	clean salt	dirty salt	"marl"	
		depth/top			thickness
		1995		dirty salt	1
clean salt		1996			6
"marl"		2002			4
dirty salt		2006			2
"marl"		2008			5
anhydrite		2013			1
shale		2014			4
dirty salt		2018			3
shale		2021			4
anhydrite		2025			3
shale		2028			1
anhydrite		2029			2
shale		2031			2
clean salt		2033			12
shale		2045			2
clean salt		2047			7
anhydrite		2054			1
dirty salt		2055			3
shale		2058			5
clean salt		2063			8
dirty salt		2071			3
clean salt		2074			3
"marl"		2077			9
anhydrite		2086			2
shale		2088			4
clean salt		2092			4
dirty salt		2096			2
clean salt		2098			2
dirty salt		2100			2
shale		2102			2
anhydrite		2104			2
shale		2106			4
anhydrite		2110			7
shale		2117			3
clean salt		2120			9
shale		2129			2
dirty salt		2131			2
shale		2133			3
clean salt		2136			2
shale		2138			2
anhydrite		2140			5
shale		2145			2
clean salt		2147			11
shale		2158			2
clean salt		2160			4
shale		2164			4
anhydrite		2166			2
dirty salt		2170			1
clean salt		2171			6
shale		2177			2

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 10 1997

CONSERVATION DIVISION
WICHITA, KS

15097213510000

ORIGINAL

anhydrite		2179			3
shale		2182			1
clean salt		2183			4
dirty salt		2187			2
anhydrite		2189			6
shale		2195			7
anhydrite		2202			2
shale		2204			2
dirty salt		2206			6
shale		2212			2
clean salt		2214			12
shale		2226			3
dirty salt		2229			2
shale		2231			3
clean salt		2234			8
shale		2242			1
clean salt		2243			17
shale		2260			5
anhydrite		2265			7
shale		2272			2
clean salt		2274			11
dirty salt		2285			3
clean salt		2288			10
shale		2298			2
clean salt		2300			6
dirty salt		2306			6
clean salt		2312			4
dirty salt		2316			2
clean salt		2318			10
shale		2328			1
clean salt		2329			4
shale		2333			2
anhydrite		2335			5
shale		2340			3
anhydrite		2343			3
shale		2346			2
clean salt		2348			2
shale		2350			2
clean salt		2352			12
anhydrite ?		2364			
to		TD		3/93	

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 10 1997

CONSERVATION DIVISION
WICHITA, KS

15097213570000

2/23/93

DAILY OPERATIONS REPORT

PIPE SUMMARY									
DATE	DEPTH	SURFACE	INTER	INTER	PROD.	TUBING	TUBING		
2/23/93								ORIGINAL	
DIRECTIONAL SURVEYS									
DEPTH	DEVIATION	DIRECTION	DEPTH	DEVIATION	DIRECTION	DEPTH	DEVIATION	DIRECTION	
LAST SURVEY MD:	TVD:	ANGLE:	DIRECTION:	VR:	N OR S:	E OR W:	DLE:		
DRILLING FLUID DATA									
TYPE OF MUD:		DAILY MUD COST:				CUM. MUD COST:			
FIT VOLUME:		HOLE VOLUME:				RESERVE VOLUME:			
MA: 9.7	VS: 4.2	PI:	YP:	CELI:	WL:	HTP:	FE:	DFMF:	
RO:	OM:	ES:	CL:	CA:	MT:	ECO:	AV-OP:	AV-DC:	
GEOLOGICAL DATA									
PK. OR. GAS:		CONN.:		TRIP:		FORMATION:		DRLO BREAKS:	
ROP:		BRT. FC:				K BAND:		U	
4. ROP:						K SHALE:		D	
DRILLING DATA									
BIT / FEET	TYPE	JETS	SERIAL #	OUT/INT	HRS	WOB	RPM	T/B/G	COM.
12/4	API 1			485	1 1/2	15/20	140		
12/4	API 2			125	3/4	15/20	140		
HOOKLOAD:		TORQUE:		URAG (UP/DOWN):		ALLOW MAX PULL:			
PUMP	MAKE	MODEL	STROKE	UNDR	SPM	QPM	PRESSURE	KILL RATE	
DATA	UIDASD		16	5/2	60	284	100		
DRILLER: 4/12 RH		DRILL COLLAR: 1 1/2 RH		DRILL WEIGHT: 49,000 AIR					
DRILLER LENGTH: 501		DRILLER DESCRIPTION: BIT, G.S., 18-6" D.C.							
DATE OF LAST ROP TEST:		INJECT ROPS:		INSPECT ROPS:					
DETAILS OF PAST 24 HOURS OPERATIONS									
DATE	HRS.								
	14 1/2	M/L - R/L - MIX SPUD MUD							
	5 1/2	S.R. / CONNECTIONS							
	3/4	TRIP FOR BIT LOG							
	5/4	DRLG							
RECEIVED									
KANSAS CORPORATION COMMISSION									
JUN 10 1997									
CONSERVATION DIVISION WICHITA KS									
• 9:00 AM LOGGING • RAC NOTIFIED OF RUNNING • G.M.T. C.G. 2/18/93 (9:00 AM)									
TOTAL	DATE	FORWARD:	RIG:	HOLE SIZE:	DWG:				
	2/23/93	ANDY RHODES	BRANDT #2	12 1/4"					
DATE:	LEASEWELL:	FORMATION:	DAYS IN CH:	DWG:					
2	MULLENVILLE PROT. #1		1						
DEPTH:	FOOTAGE:	OPERATIONS:	PROP. TD.						
610'		C.C.M. PRIOR							
TR:	LAST 24 HRS:	OPERATIONS:	PROP. TD.						
610'	610'	TO LOGGING							
FUEL PREV.	REC:	USED:	TOTAL:						
PERSONNEL:	CONTRACTOR:	OPERATOR:	SERVICE:						
CATERING:	TOTAL:								

#1 RR #2

CHARLIE YRAGER - BUSHTON

INVOICE

15097213510000

ORIGINAL
BRANDT DRILLING CO., INC.

200 W. DOUGLAS • SUITE 700 • (316) 267-4335
WICHITA, KANSAS • 67202

INVOICENO. 93-068

INVOICE DATE 3-9-93

Enron Gas Services, Inc.
14811 St. Mary's Lane, Suite 256
Houston, Texas 77079

LOCATION SE/4 SECTION 28 TOWNSHIP 28S RANGE 19W

LEASE Mullinville WELL NO. 1 COUNTY Kiowa STATE Kansas

Additional costs from original bid to set extra 100' of 8 5/8"
as required by State of Kansas

Cementing Services (Allied Cementing, Inc.) \$420.75
Original bid \$1,942.00

Surface casing (LTV) 100' @ \$6.15/ft. + tax 651.90

Total \$ 1,072.65

PROJ. MGR. O.K. RGM OFFICERS O.K. _____
ORDER TO P.O. _____ INVOICE CK'D _____
NET AMT. _____ VENDOR # _____

PROJECT	P.O. #	ACCT. #	NET AMT.

APPROVAL FOR PAYMENT

COMPANY	MAJOR	SUB	DETAIL	RC
<u>012</u>	<u>1860</u>	<u>100</u>	<u>0000</u>	<u>152081</u>
COMPANY	WORK ORDER	PROPERTY UNIT	CATEGORY	
	<u>53868</u>	<u>ENGR</u>		
DESCRIPTION				
APPROVAL <u>[Signature]</u>				DATE <u>3-25-93</u>
APPROVAL				DATE

PAYMENT DUE DATE _____ TOTAL DUE 1072.65

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 10 1997

CONSERVATION DIVISION
WICHITA, KS

