FORM MUST BE TYPED

SIDE ONE

COPY

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

RECEIVED
MAR 28 1994

API NO. 15- 077-21274-00-00

County Harper

__ - __ - SE - NW Sec. 23 Twp. 34S Rge. 9W __ E/W

1980 Feet from X/N (circle one) Line of Section

1980 Feet from X/W (circle one) Line of Section

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

Lease Name JUDY Well # 1

Field Name Wildcat

Producing Formation none

Elevation: Ground 1283 KB 1296

Total Depth 5040 PBTD ____

Amount of Surface Pipe Set and Cemented at 305 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.

Operator: License # 31355

Name: W. C. Payne

Address 800 United Founders Tower

City/State/Zip OKC, OK 73112

Purchaser: ____

Operator Contact Person: Clyde D. TOwery

Phone (405) 843-9419

Contractor: Name: Eagle Drilling, Inc.

License: 5380

Wellsite Geologist: Tom Lains

Designate Type of Completion
XX New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
XX Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: ____

Well Name: ____

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

12-6-93 Spud Date
12-14-93 Date Reached TD
12-14-93 Completion Date

Drilling Fluid Management Plan 3-1-94 CB DTA
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 6,000 bbls

Dewatering method used will fill pit when dry

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County ____ Docket No. ____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Clyde D. Towery
Clyde D. Towery
Title Engineer Date 12-28-93

Subscribed and sworn to before me this 28th day of December, 19 93.

Notary Public Debbie Caywood

Date Commission Expires 11-27-97

Recal 1-3-94

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

RECEIVED
STATE CORPORATION COMMISSION
JAN 03 1994
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-91)

SIDE TWO

Operator Name W. C. Payne Lease Name JUDY Well # 1

Sec. 23 Twp. 34S Rge. 9W ☐ East ☒ West County Harper

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.) ☒ Yes ☐ No

See attached sheets

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:

Dual Induction, Density-Neutron & Coral

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Mississippi	4594	3298
Hunton-Misener	4986	3690

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
Water Protection	12-1/4"	8-5/8"	24	305	40/60 Poz.	225	2% gel, 1/2# flocel & 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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 ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ 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

☐ Other (Specify) _____

Production Interval

_____

_____

COPY

DST REPORT

GENERAL INFORMATION

DATE	: 12/12/93	TICKET	: 20046
CUSTOMER	: W C PAYNE COMPANY	LEASE	: JUDY
WELL	: #1 TEST: 1	GEOLOGIST	: TOWERY
ELEVATION	: 1283 GL	FORMATION	: MISSISSIPPI
SECTION	: 23	TOWNSHIP	: 34S
RANGE	: 9W COUNTY: HARPER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4592.00 ft TO: 4641.00 ft TVD: 4641.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4596.0 ft 4599.0 ft
TEMPERATURE: 124.0

DRILL COLLAR LENGTH:	506.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4058.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	49.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	4587.0 ft	SIZE:	6.750 in
PACKER DEPTH:	4592.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON.	: EAGLE DRILLING		
MUD TYPE	: CHEMICAL	VISCOSITY :	46.00 cp
WEIGHT	: 9.100 ppg	WATER LOSS:	9.200 cc
CHLORIDES	: 4000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE IN 8 MINUTES. SEE GAS SHEET ATTACHED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	10.0	0.0	90.0	GAS CUT MUD
60.0	5.0	10.0	0.0	85.0	GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0148 STB		
GAS VOLUME:	0.3313 SCF	TOTAL FLOW TIME:	85.0000 min.
MUD VOLUME:	0.5163 STB	AVERAGE OIL RATE:	4.4986 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.5311 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2241.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		1835.00
FINAL FLOW	60.00	86.00	107.00
FINAL SHUT-IN	60.00		1835.00

FINAL HYDROSTATIC PRESSURE: 2187.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2231.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	82.00	82.00
INITIAL SHUT-IN	69.00		1839.00
FINAL FLOW	55.00	92.00	105.00
FINAL SHUT-IN	69.00		1824.00

FINAL HYDROSTATIC PRESSURE: 2188.00

COPY

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 12/12/93		TICKET : 20046	
CUSTOMER : W C PAYNE COMPANY		LEASE : JUDY	
WELL : #1	TEST: 1	GEOLOGIST: TOWERY	
ELEVATION: 1283 GL		FORMATION: MISSISSIPPI	
SECTION : 23		TOWNSHIP : 34S	
RANGE : 9W	COUNTY: HARPER	STATE : KS	
GAUGE SN#: 1051	RANGE : 4250	CLOCK : 12	

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.500	5 PSIG	78100 SCF/D
20 MIN	MERLA	0.500	12 PSIG	129000 SCF/D
30 MIN	MERLA	0.500	17 PSIG	159000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.500	21 PSIG	180000 SCF/D
20 MIN	MERLA	0.500	25 PSIG	205000 SCF/D
30 MIN	MERLA	0.500	28 PSIG	222000 SCF/D
40 MIN	MERLA	0.500	30 PSIG	231000 SCF/D
50 MIN	MERLA	0.500	32 PSIG	243000 SCF/D
60 MIN	MERLA	0.500	33 PSIG	248000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/12/93
CUSTOMER : W C PAYNE COMPANY
WELL : #1 TEST: 1
ELEVATION: 1283 GL
SECTION : 23
RANGE : 9W COUNTY: HARPER
GAUGE SN#: 1051 RANGE : 4250

TICKET : 20046
LEASE : JUDY
GEOLOGIST: TOWERY
FORMATION: MISSISSIPPI
TOWNSHIP : 34S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	82.00	82.00
5.00	82.00	0.00
10.00	82.00	0.00
15.00	82.00	0.00
20.00	82.00	0.00
25.00	82.00	0.00
30.00	82.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	688.00	688.00	11.00
6.00	1221.00	533.00	6.00
9.00	1692.00	471.00	4.33
12.00	1742.00	50.00	3.50
15.00	1769.00	27.00	3.00
18.00	1789.00	20.00	2.67
21.00	1802.00	13.00	2.43
24.00	1812.00	10.00	2.25
27.00	1818.00	6.00	2.11
30.00	1825.00	7.00	2.00
33.00	1829.00	4.00	1.91
36.00	1831.00	2.00	1.83
39.00	1835.00	4.00	1.77
42.00	1836.00	1.00	1.71
45.00	1837.00	1.00	1.67
48.00	1838.00	1.00	1.63
51.00	1839.00	1.00	1.59
54.00	1839.00	0.00	1.56
57.00	1839.00	0.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1839.00	0.00	1.50
63.00	1839.00	0.00	1.48
66.00	1839.00	0.00	1.45
69.00	1839.00	0.00	1.43

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	92.00	92.00
5.00	93.00	1.00
10.00	93.00	0.00
15.00	94.00	1.00
20.00	95.00	1.00
25.00	96.00	1.00
30.00	97.00	1.00
35.00	98.00	1.00
40.00	99.00	1.00
45.00	101.00	2.00
50.00	103.00	2.00
55.00	105.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	830.00	830.00	19.33
6.00	1316.00	486.00	10.17
9.00	1637.00	321.00	7.11
12.00	1705.00	68.00	5.58
15.00	1737.00	32.00	4.67
18.00	1763.00	26.00	4.06
21.00	1777.00	14.00	3.62
24.00	1787.00	10.00	3.29
27.00	1795.00	8.00	3.04
30.00	1802.00	7.00	2.83
33.00	1806.00	4.00	2.67
36.00	1810.00	4.00	2.53
39.00	1813.00	3.00	2.41
42.00	1815.00	2.00	2.31

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
45.00	1818.00	3.00	2.22
48.00	1820.00	2.00	2.15
51.00	1821.00	1.00	2.08
54.00	1822.00	1.00	2.02
57.00	1823.00	1.00	1.96
60.00	1824.00	1.00	1.92
63.00	1824.00	0.00	1.87
66.00	1824.00	0.00	1.83
69.00	1824.00	0.00	1.80