

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

ORIGINAL

API NO. 15- 185-22,152-0001

County Stafford

65'S NE SW NW Sec. 10 Twp. 22 Rge. 12 E

1815 Feet from SW (circle one) Line of Section

990 Feet from E (circle one) Line of Section

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

Lease Name Spangenberg Well # 2-10

Field Name Max

Producing Formation Lansing

Elevation: Ground 1857 KB 1862

Total Depth 3664 PBDT _____

Amount of Surface Pipe Set and Cemented at 250 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 API
(Data must be collected from the Reserve Pit)

Chloride content 12000 ppm Fluid volume .300 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

Operator: License # 5228

Name: Parrish Corporation

Address 100 So. Market #200

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Lloyd K. Parrish Jr.

Phone (316) 263-8726

Contractor: Name: H-30 Drilling, Inc.

License: 5107

Wellsite Geologist: Jeffery Burk

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

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

Operator: P V Properties

Well Name: Spangenberg No. 1

Comp. Date 1-16-85 Old Total Depth 3664

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT

Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-24-90 11-26-90 12-16-90
 Spud Date Date Reached TD Completion Date

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 Lloyd K. Parrish Jr.

Title President Date 11-11-91

Subscribed and sworn to before me this 11 day of November, 19 91.

Notary Public Debora R. Haddock

Date Commission Expires April 24, 1993

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

RECEIVED
 STATE CORPORATION COMMISSION
 KGS

Distribution
 S/W/Rep
 Plug NGA
 Other (Specify)

NOV 12 1991

DEBORA R. HADDOCK
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appl. Exp. Apr. 24, 1993

CONSERVATION DIVISION
 FORM ACO-1 (7-91)
 Wichita, Kansas

PI

Operator Name Parrish Corporation Lease Name Spangenberg Well # 2-10

Sec. 10 Twp. 22 Rge. 12 East West County Stafford

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:
Compensated Density
Dual Neutron
Dual Gaurd

Name	Formation (Top), Depth and Datum	
	Top	Datum
Anhydrite	647	1217
Heebner	3142	-1279
Brown Lime	3277	-1413
Lansing	3295	-1431
Viola	3657	-1793
Arbuckle	3657	-1793
RTD	3664	-1800

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
Surface	12 1/4	8 5/8	24	250	unknown	225	unknown
Production	7 7/8	5 1/2	14	3662	60/40 Poz	175	10% salt 5% CFR-3 5% Gas stop

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<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
2	3491-3494 (plug set at 3480)	250 gal 15%	same
2	3365-3368	300 gal 15%	same
2	3379-3382	500 gal 15%	same

TUBING RECORD Size 2 3/8 Set At 3307 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12-15-90 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		<u>1500</u>			

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

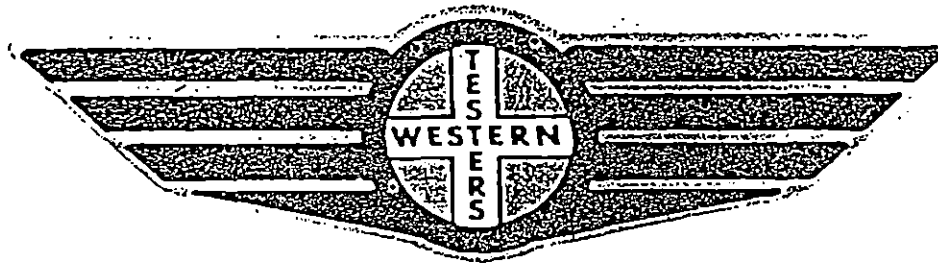
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 3365-82

ORIGINAL

FORMATION TEST REPORT

COMPANY H-30 DRILLING, INC. LEASE & WELL NO CURTIS SPANGENBERG SEC. 10 TWP. 22S RGE. 12W TEST NO. 1 DATE 11/27/90
#2-10 OWMO



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11-27-90 TICKET : 16874
CUSTOMER : H-30 DRILLING INC. LEASE : CURTIS SPANGENBERG
WELL : 2-10 owwotest: 1 GEOLOGIST : BURK
ELEVATION : 1858 G.L. FORMATION : LANSING K.C.
SECTION : 10 TOWNSHIP : 22S
RANGE : 12W COUNTY : STAFFORD STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3342 TO : 3390 TOTAL DEPTH : 3664
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3337 SIZE : 6.63
PACKER DEPTH : 3342 SIZE : 6.63
PACKER DEPTH : 3390 SIZE : 6.63
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 RIG 7
MUD TYPE : STARCH VISCOSITY : 47
WEIGHT : 9.6 WATER LOSS (CC) : 6.4
CHLORIDES (PPM) : 55000
JARS-MAKE : W.T.C. SERIAL NUMBER : 421
DID WELL FLOW ? : GAS REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3310 FT I.D. inch : 3.80
TEST TOOL LENGTH : 32 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 48 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW -
BLOW COMMENT #2 : GAS TO SURFACE IN 2 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD GAS TO SURFACE.
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 75 FT OF: GAS CUT MUD

Total Barrels Fluid = 1.05
Total Fluid Prod Rate = 11.22 BFPD
Indicated Wtr Rate = 1.12 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:35 A.M.

TIME STARTED OFF BOTTOM : 5:05 A.M.

WELL TEMPERATURE : 103

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 45

INITIAL CLOSED IN PERIOD MIN: 45

FINAL FLOW PERIOD MIN: 90

FINAL CLOSED IN PERIOD MIN: 90

FINAL HYDROSTATIC PRESSURE

(A) 1811

(B) 576 PSI TO (C) : 560

(D) 1085

(E) 531 PSI TO (F) : 535

(G) 1083

(H) 1789

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : STAFFORD-KANSAS
FIELD : CURTIS SPANGENBERG
WELL : 2-10
DATE : 11-27-90
GAUGE NO : 10270

OPERATIONAL COMMENTS

ORIGINAL

COMPANY : H-30 DRILLING INC.
 WELL : 2-10
 GAUGE # : 10270
 DATE : 27/11/90

FIELD : CURTIS SPANGENBERG
 JOB # : 16874
 DEPTH : 3664
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	12:35: 0	0.000	576.000	103.00	0.000
3	12:39:59	0.083	576.000	103.00	0.000
4	12:45: 0	0.167	576.000	103.00	0.000
5	12:50: 0	0.250	576.000	103.00	0.000
6	12:54:59	0.333	576.000	103.00	0.000
7	13: 0: 0	0.417	576.000	103.00	0.000
8	13: 5: 0	0.500	575.000	103.00	-1.000
9	13: 9:59	0.583	567.000	103.00	-8.000
10	13:15: 0	0.667	563.000	103.00	-4.000
11	13:20: 0	0.750	560.000	103.00	-3.000
INITIAL SHUT-IN PERIOD					
12	13:23: 0	0.800	1010.000	103.00	450.000
13	13:26: 0	0.850	1061.000	103.00	51.000
14	13:29: 0	0.900	1074.000	103.00	13.000
15	13:32: 0	0.950	1079.000	103.00	5.000
16	13:35: 0	1.000	1081.000	103.00	2.000
17	13:38: 0	1.050	1082.000	103.00	1.000
18	13:41: 0	1.100	1083.000	103.00	1.000
19	13:44: 0	1.150	1084.000	103.00	1.000
20	13:47: 0	1.200	1084.000	103.00	0.000
21	13:50: 0	1.250	1085.000	103.00	1.000
22	13:53: 0	1.300	1085.000	103.00	0.000
23	13:56: 0	1.350	1085.000	103.00	0.000
24	13:59: 0	1.400	1085.000	103.00	0.000
25	14: 2: 0	1.450	1085.000	103.00	0.000
26	14: 5: 0	1.500	1085.000	103.00	0.000
FINAL FLOW PERIOD					
27	14: 6: 0	1.517	531.000	103.00	-554.000
28	14: 9:59	1.583	531.000	103.00	0.000
29	14:15: 0	1.667	531.000	103.00	0.000
30	14:20: 0	1.750	531.000	103.00	0.000
31	14:24:59	1.833	531.000	103.00	0.000
32	14:30: 0	1.917	533.000	103.00	2.000
33	14:35: 0	2.000	535.000	103.00	2.000
34	14:39:59	2.083	535.000	103.00	0.000
35	14:45: 0	2.167	535.000	103.00	0.000
36	14:50: 0	2.250	535.000	103.00	0.000
37	14:54:59	2.333	535.000	103.00	0.000
38	15: 0: 0	2.417	535.000	103.00	0.000
39	15: 5: 0	2.500	535.000	103.00	0.000
40	15: 9:59	2.583	535.000	103.00	0.000
41	15:15: 0	2.667	535.000	103.00	0.000
42	15:20: 0	2.750	535.000	103.00	0.000
43	15:24:59	2.833	535.000	103.00	0.000
44	15:30: 0	2.917	535.000	103.00	0.000
45	15:35: 0	3.000	535.000	103.00	0.000
FINAL SHUT-IN PERIOD					
46	15:38: 0	3.050	1034.000	103.00	499.000
47	15:41: 0	3.100	1061.000	103.00	27.000
48	15:44: 0	3.150	1068.000	103.00	7.000

COMPANY : H-30 DRILLING INC.
WELL : 2-10
GAUGE # : 10270
DATE : 27/11/90

FIELD : CURTIS SPANGENBERG
JOB # : 16874
DEPTH : 3664
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	15:47: 0	3.200	1075.000	103.00	7.000
50	15:50: 0	3.250	1077.000	103.00	2.000
51	15:53: 0	3.300	1078.000	103.00	1.000
52	15:56: 0	3.350	1079.000	103.00	1.000
53	15:59: 0	3.400	1080.000	103.00	1.000
54	16: 2: 0	3.450	1081.000	103.00	1.000
55	16: 5: 0	3.500	1082.000	103.00	1.000
56	16: 8: 0	3.550	1082.000	103.00	0.000
57	16:11: 0	3.600	1082.000	103.00	0.000
58	16:14: 0	3.650	1082.000	103.00	0.000
59	16:17: 0	3.700	1082.000	103.00	0.000
60	16:20: 0	3.750	1082.000	103.00	0.000
61	16:23: 0	3.800	1082.000	103.00	0.000
62	16:26: 0	3.850	1082.000	103.00	0.000
63	16:29: 0	3.900	1082.000	103.00	0.000
64	16:32: 0	3.950	1082.000	103.00	0.000
65	16:35: 0	4.000	1082.000	103.00	0.000
66	16:38: 0	4.050	1082.000	103.00	0.000
67	16:41: 0	4.100	1083.000	103.00	1.000
68	16:44: 0	4.150	1083.000	103.00	0.000
69	16:47: 0	4.200	1083.000	103.00	0.000
70	16:50: 0	4.250	1083.000	103.00	0.000
71	16:53: 0	4.300	1083.000	103.00	0.000
72	16:56: 0	4.350	1083.000	103.00	0.000
73	16:59: 0	4.400	1083.000	103.00	0.000
74	17: 2: 0	4.450	1083.000	103.00	0.000
75	17: 5: 0	4.500	1083.000	103.00	0.000

WESTERN TESTING CO. INC.

ORIGINAL

GAS FLOW REPORT

Date : 11-27-90 Ticket # : 16874
Customer : H-30 DRILLING INC. Lease : CURTIS SPANGENBERG
Well : 2-10 OWWO Test : 1 Geologist : BURK
Elevation (KB) : 1858 G.L. Formation : LANSING K.C.
Section : 10 Township : 22S
Range : 12W County : STAFFORD State : KANSAS
Gauge SN # : 10270 Range : 4150 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

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2 MIN	MERLA	1"		GAS TO SURFACE
5 MIN.	MERLA	1"	50 PSIG	1379000 C.F.P.D.
15 MIN.	MERLA	1"	64 PSIG	1683000 C.F.P.D.
25 MIN.	MERLA	1"	66 PSIG	1726000 C.F.P.D.
35 MIN.	MERLA	1"	70 PSIG	1813000 C.F.P.D.
45 MIN.	MERLA	1"	70 PSIG	1813000 C.F.P.D.

SECOND FLOW

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10 MIN.	MERLA	1"	73 PSIG	1878000 C.F.P.D.
20 MIN.	MERLA	1"	75 PSIG	1922000 C.F.P.D.
30 MIN.	MERLA	1"	74 PSIG	1900000 C.F.P.D.
40 MIN.	MERLA	1"	74 PSIG	1900000 C.F.P.D.
50 MIN.	MERLA	1"	73 PSIG	1878000 C.F.P.D.
60 MIN.	MERLA	1"	73 PSIG	1878000 C.F.P.D.
70 MIN.	MERLA	1"	74 PSIG	1900000 C.F.P.D.
80 MIN.	MERLA	1"	73 PSIG	1878000 C.F.P.D.
90 MIN.	MERLA	1"	73 PSIG	1878000 C.F.P.D.

Gas Bottle SN # :
Date Bottle Filled : 11-27-90
Date to be Invoiced : 11-27-90