

ORIGINAL

SIDE ONE

RELEASED

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

API NO. 15-097-21,273-0000

SEP 17 1990

County... KIOWA

APPROX 1/2 NW NW Sec 15 Twp 27 R. 20W FROM CONFIDENTIAL

4260 Ft North from Southeast Corner of Section
4560 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

Lease Name... BRENSING Well # 16-2

Field Name... FRALICK WEST

Producing Formation... MISSISSIPPIAN

Elevation: Ground 2211' KB 2294'

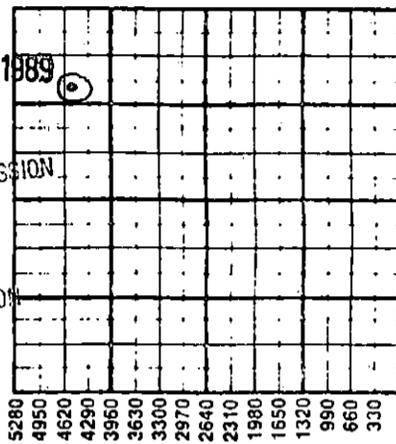
Section Plat

JUN 13 1989

RECEIVED
STATE CORPORATION COMMISSION

JUN 6 1989

CONSERVATION DIVISION
Wichita, Kansas



5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330

ALT I
9-17-90
DFA

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # 890730

APPROX 3660
X Groundwater 4000 Ft North from Southeast Corner
(Well) 4000 Ft West from Southeast Corner of
Sec 15 Twp 27 Rge 20 East X West

Surface Water... Ft North from Southeast Corner
(Stream, pond etc)... Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain) (purchased from city, R.W.D. #)

Operator: License # 4243
Name: CROSS BAR PETROLEUM, INC.
Address: P.O. BOX 20080
City/State/Zip: WICHITA, KS 67208

Purchaser: NONE

Operator Contact Person: ALBERT BRENSING
Phone: 314-799-2931

Contractor: License # 5380
Name: EAGLE DRILLING, INC.

Wellsite Geologist: ALBERT BRENSING
Phone: 314-799-2931

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD Temp Abd
Gas Inj Delayed Comp.
X Dry Other (Core, Water Supply etc.)

If OWVO: old well Info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

5-20-89 5-28-89 5-28-89
Spud Date Date Reached TD Completion Date

5475' 5450'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 44 feet
Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/SX cmt
Cement Company Name: HALLIBURTON
Invoice # 741296

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. 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: Albert B

Title: PRESIDENT Date: 6-5-89

Subscribed and sworn to before me this 5TH day of JUNE 1989

Notary Public: Joan Whitehead

Date Commission Expires: 4-27-93

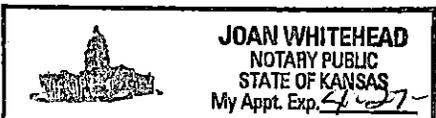
K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
Wireline Log Received
Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
X KGS Plug Other (Specify)

Sec 15 Twp 27 Rge 20W



ORIGINAL

Operator Name CROSS BAR PETROLEUM, INC. Lease Name BRENSING Well # 16-2

Sec. 15 Twp. 27 Rge. 20 East West County KIOWA RELEASED

SEP 17 1990

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.

FROM CONFIDENTIAL

Drill Stem Tests Taken [] Yes [X] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description
[X] Log [] Sample

Table with 3 columns: Name, Top, Bottom. Rows include ANHY (+1012), HEEB (-1786), LANS (-1924), STARK (-2190), B/KC (-2320), CHER (-2465), MISS (-2552), VIOLA (-2858), ARB (-3164).

CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Producing Method, Estimated Production Per 24 Hours

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease
[] Open Hole [] Perforation [] Other (Specify)
[] Dually Completed [] Commingled

COMPANY Cross Bar Petroleum, Inc. FARM Brensing WELL NO. 16-2
 SEC 15 TWP. 27, RGE. 20 LOC. W/2 NW NW COUNTY KIOWA STATE KS
 CONTRACTOR Eagle Drilling, Inc. SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4000	48 51	2 1/2	
	54	3	
	56-	2 1/2	
	58-	2	
05	10:00	1 1/2	
	01-	1 1/2	
	03	1 1/2	
	05	2	
	06-	1 1/2	
10	08	1 1/2	RECEIVED STATE CORPORATION COMMISSION JUN 6 1989 CONSERVATION DIVISION Wichita, Kansas
	09	1	
	10	1	
	11-	1 1/2	
	13	1 1/2	
15	14	1	
	15	1	
	16-	1 1/2	
	18	1 1/2	Conn 4018
	21 22	1	
20	23	1	
	24	1	
	25	1	
	26	1	
	27	1	
25	28	1	JUN 13 1989
	28-	1/2	
	29-	1	
	30-	1	KANSAS GEOLOGICAL SURVEY WICHITA BRANCH
	31	1/2	
30	32	1	
	33	1	
	34	1	
	34-	1/2	
	35-	1	
35	36-	1	
	37-	1	
	38-	1	
	39-	1	
	40-	1	
40	42	1 1/2	
	43	1	
	44	1	
	46	1	
	48	2	
45	50	2	
	52	2	
	53	1	
	54	1	
	54-	1/2	
4050	55-	1	Conn 4050

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4050	51 59 59 1/2	1/2	KCC
	11:00 1/2	1	
	02	1 1/2	SEP 17 1990
	03	1	
55	05	2	
	06	1	RELEASED
	09	3	
	12	3	SEP 17 1990
	14 1/2	2 1/2	
100	17 1/2	3	FROM CONFIDENTIAL
	20 1/2	3	
	24	3 1/2	
	27	3	
	29 1/2	2 1/2	
105	32 1/2	3	
	35	2 1/2	
	37	2	
	38	1	
	39 1/2	1 1/2	
70	41	1 1/2	
	42 1/2	1 1/2	
	43 1/2	1	
	44 1/2	1	
	45 1/2	1	
75	47	1 1/2	
	48 1/2	1 1/2	
	51	2 1/2	
	54	3	
	57	3	
80	12:01	4	
	05	4	
	07 1/2	2 1/2	Conn 4022
	08 10 1/2	2 1/2	
	13	2 1/2	
85	15	2	
	17	2	
	18 1/2	1 1/2	
	20	1 1/2	
	22	2	
90	26	4	
	30	4	
	33 1/2	3 1/2	
	36 1/2	3	
	40	3 1/2	
95	43	3	
	47	4	
	50	3	
	54	4	
	57	3	
4100	1:00	3	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4100 01	1:00 03	3	
	06	3	
	09	3	
	11½	2½	
05	14½	3	
	17	2½	
	20½	3½	
	24	3½	
	27	3	
10	30	3	
	33½	3½	
	37	3½	
	39½	2½	conn. 4113
	42½ 44½	2½	
15	46½	2	
	48½	2	
	50½	2	
	52	1½	
	54½	2½	
20	56½	2	
	58	1½	
	2:00	2	
	01	1	
	02½	1½	
25	03½	1	
	05	1½	
	07½	2½	
	10½	3	
	13½	3	
30	16½	3	
	19½	3	
	22	2½	
	25	3	
	27	2	
35	29½	2½	
	31½	2	
	33½	2	
	35	1½	
	37	2	
40	39½	2½	
	41	1½	
	43	2	
	45½	2½	
	48	2½	conn. 4144
45	52 54	2	
	56	2	
	58	2	
	3:00	2	
	02	2	
4150	04	2	

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 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4150 51	04 06	2	
	08	2	
	09½	1½	
	13	3½	
55	17	4	
	21	4	
	24	3	
	29	5	
	33	4	
60	38	5	
	41	3	
	45	4	
	49	4	
	53	4	
65	56½	3½	
	4:00	3½	
	03½	3½	
	07	3½	
	10½	3½	
70	14½	4	
	17	2½	
	19	2	
	21	2	
	23½	2½	
75	25½	2	conn. 4175
	29 31	2	
	33	2	
	34½	1½	
	36	1½	
80	38	2	
	39½	1½	
	41½	2	
	43	1½	
	45	2	
85	46½	1½	
	48	1½	
	50	2	
	51½	1½	
	53	1½	
90	55	2	
	57	2	
	59	2	
	5:00½	1½	
	02	1½	
95	03½	1½	
	04½	1	
	05½	1	
	07	1½	
	08	1	
4200	10	2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4200 01	10 11	1	
	12	1	
	13½	1½	
	15	1½	
05	16	1	
	17	1	
	18	1	conn. 4207
	24 25	1	
	26½	1½	
10	28	1½	
	29½	1½	
	30½	1	
	32	1½	
	34½	2½	
15	38½	4	
	42	3½	
	45	3	
	48	3	
	51	3	
20	54½	3½	
	58	3½	
	10:02	4	
	05½	3½	
	09	3½	
25	11½	2½	
	13½	2	
	15	1½	
	16	1	
	17	1	
30	18½	1½	
	20	1½	
	23	3	
	24½	1½	
	26	1½	
35	27½	1½	
	29	1½	C.F.S. at 4237
	30½	1½	conn. 4237
	15 16½	1½	15-30-45 min. spls
	19½	3	
40	23½	4	
	27	3½	
	30½	3½	
	33½	3	
	37	3½	
45	40½	3½	
	44½	4	
	48	3½	
	51	3	
	54	3	
4250	57	3	

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 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4250 51	8:00 07	3	
	05	2	
	08½	3½	
	12	3½	
55	16	4	
	19	3	
	22	3	
	24	2	
	26	2	
60	28	2	
	30	2	
	32	2	
	34½	2½	
	37	2½	
65	39	2	
	41	2	
	43	2	
	45	2	
	46½	1½	conn. 4269
70	52 53½	1½	
	55	1½	
	56	1	
	57	1	
	58	1	C.F.S.
75	39 55½	1½	
	37	1½	
	40	3	
	43	3	
	47	4	
80	50	3	
	53	3	
	56½	3½	Vis. 48
	58½	2	wt. 9.2
	10:0½	2	wh. 10.0
85	03	2½	
	05½	2½	
	08	2½	
	10	2	
	13	3	
90	15½	2½	
	18	2½	
	21	3	
	24½	3½	
	28	3½	
95	31½	3½	
	35	3½	
	38	3	
	41½	3½	
	45	3½	
4300	48	3	conn. 4300

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4300	52		
01	55	3	
	58 1/2	3 1/2	
	1101	2 1/2	
	05	4	
05	09	4	
	12	3	
	16	4	
	19	3	
	22	3	
10	25	3	
	28	3	
	31	3	
	34	3	
	37 1/2	3 1/2	
15	39 1/2	2	
	40 1/2	1	
	42 1/2	2	
	44 1/2	2	
	46	1 1/2	
20	48	2	
	49 1/2	1 1/2	
	51	1 1/2	
	52 1/2	1 1/2	
25	55 1/2	3	
	59	3 1/2	
	02	3	
	05	3	
	08	3	
	11	3	
30	14	3	
	17	3	
	18 1/2	1 1/2	CONN 4332
	23	2	
	25	2	
	28	3	
35	29 1/2	1 1/2	
	30	1 1/2	
	30 1/2	1 1/2	
	33	2 1/2	
	36	3	
40	39	3	CFS 4340
	1619	3	
	21 1/2	2 1/2	
	24 1/2	3	
	27	2 1/2	
45	28 1/2	1 1/2	
	30	1 1/2	
	31 1/2	1 1/2	
	33	1 1/2	
	34 1/2	1 1/2	
4350	36	1 1/2	

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 CONSERVATION DIVISION
 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4350	36		
51	37	1	
	38 1/2	1 1/2	
	39 1/2	1	
	41	1 1/2	
55	43	2	
	45	2	
	47	2	
	49	2	
	51	2	
60	53	2	
	55	2	
	57	2	
	59	2	CONN 4363
	2:04	2	
65	05 1/2	1 1/2	
	07	1 1/2	
	08 1/2	1 1/2	
	10	1 1/2	
	12	2	
70	13 1/2	1 1/2	
	15	1 1/2	Vis 46
	16	1	wt. 9.2
	17 1/2	1 1/2	WL 9.9
	19	1 1/2	
75	20 1/2	1 1/2	
	22	1 1/2	
	24	2	
	27	3	
	30	3	
80	33	3	
	36 1/2	3 1/2	
	39 1/2	3	
	42 1/2	3	
	45 1/2	3	
85	48	3	
	51	2 1/2	
	53	2 1/2	
	56	2 1/2	
	3:00	4	
90	03	3 1/2	
	07	3 1/2	
	09	2 1/2	
	13	3 1/2	
	17	4	CONN 4394
95	21	3 1/2	
	27	3	
	31	3 1/2	
	34	3	
	37	3 1/2	
4400	40	3	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4400	40		
	44	3 1/2	
	47	3 1/2	
	51	3 1/2	
	53	2	
05	56	3	
	59	3 1/2	
	4:02	3	
	05	3	
	09	3 1/2	
10	11	2 1/2	
	14	3	
	18	3 1/2	
	21	3	
	24	3	
15	28	4	
	31	3 1/2	
	35	3 1/2	
	38	3 1/2	
	41	2 1/2	
20	44	3 1/2	
	47	2 1/2	
	50	3 1/2	
	54	4	
	58	4	
25	5:02	4	
	06	3 1/2	Conn 4426
	07	4	
	16	3 1/2	
	19	2 1/2	
30	23	4	
	26	3 1/2	
	29	3	
	33	3 1/2	
	36	3 1/2	
35	40	3 1/2	
	43	3	
	47	4	
	51	4	
	54	3	
40	58	4	
	6:00	2 1/2	
	03	3	
	06	3	
	08	2	
45	10	2	
	13	2 1/2	
	15	2 1/2	
	18	3	
	19	1	
4450	21	1 1/2	

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 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4450	21	1/2	
	22	1	
	23	1/2	
	24	1	
55	26	2	
	28	2 1/2	Conn 4456
	32	3	
	35	3	
	38	3 1/2	
	42	3 1/2	
60	45	3	
	47	2 1/2	
	49	2	
	52	2 1/2	
	55	3	
65	57	2	
	57	1/2	
	58	1	
	59	1	
	7:00	1/2	
70	01	1	
	02	1 1/2	
	05	2 1/2	
	08	3 1/2	
	12	3 1/2	
75	14	2 1/2	
	17	2 1/2	
	19	2	
	21	2	
	22	1	
80	23	1	
	24	1 1/2	
	25	1	
	28	2 1/2	
	31	3	
85	34	3 1/2	
	37	3	
	40	3	
	43	2 1/2	Conn 4488
	46	2 1/2	
90	51	3	
	54	3	
	57	3	
	8:00	3	
	02	2	
95	05	2 1/2	
	07	2	
	09	2	
	11	2 1/2	
	14	3	
4500	17	3	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4500	17	21	3 1/2
	24		3 1/2
	27		2 1/2
	30		3
05	33		3 1/2
	37		3 1/2
	39		2 1/2
	43		3 1/2
	46		3
10	49		3
	51		2
	53		2 1/2
	55		1 1/2
	56		1 1/2
15	58		1 1/2
	9:00		2
	02		2 1/2
	05		3
	08		2 1/2
20	12 1/5		3
	18		3
	21		3 1/2
	25		4
	29		3 1/2
25	32		3 1/2
	36		3 1/2
	39		3
	43		4 1/2
	46		3
30	50		3 1/2
	52		2 1/2
	55		2 1/2
	58		3
	10:01		3
35	04		3
	06		2 1/2
	10		3 1/2
	13		3
	16		3 1/2
40	20		3 1/2
	23		3 1/2
	27		3 1/2
	30		3 1/2
	34		3 1/2
45	38		4
	40		2 1/2
	42		1 1/2
	45		3
	49		4
50	53		4

RECEIVED
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 CONSERVATION DIVISION
 Wichita Kansas
 Conn 4519

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4550	53		
51	56		3
	11:00		03 3
	06		3
	09		3
55	13		4
	17		4
	21		4
	25		4
	29		4
60	32 1/2		3 1/2
	36		3 1/2
	39		3
	42 1/2		3 1/2
	45 1/2		3
65	48 1/2		3
	50		1 1/2
	52		2
	54		2
	57		3
70	59		2
	18:01		2
	04		3
	06 1/2		2 1/2
	09		2 1/2
75	11 1/2		2 1/2
	13		1 1/2
	16		3
	19		3
	22		3
80	25 1/2		3 1/2
	29		3 1/2
	32		3
	35		3
	35 3/4		2 1/2
85	41		3 1/2
	44 1/2		3 1/2
	48 1/2		4
	51 1/2		3
	55		3 1/2
90	58 1/2		3 1/2
	1:01		2 1/2
	04 1/2		3 1/2
	07		2 1/2
	09		2
95	11		2
	13		2
	16		3
	20		4
	24		4
4600	27		3

19 1/2

Conn 4583
 set clock back 10 min

15

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

4690

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4600 01	27 27 1/2	2 2 1/2	
	31 1/2	2	
	33	1 1/2	
	34 1/2	1 1/2	
05	37 1/2	3	
	41	3 1/2	
	45	4	
	48 1/2	3 1/2	
	52	3 1/2	
10	56	4	
	2:00	4	
	04	4	
	08	4	conn. 4663
	18 1/2	3 1/2	
15	19 1/2	4	
	23 1/2	4	
	27	3 1/2	
	31	4	
	34 1/2	3 1/2	
20	38 1/2	4	
	42	3 1/2	
	46	4	
	50	4	
	53	3	
25	58	5	
	3:02	4	
	06	4	
	10	4	
	13	3	
30	16 1/2	3 1/2	
	20	3 1/2	
	23	3	
	26	3	
	29	3	
35	31 1/2	2 1/2	
	34 1/2	3	
	37	2 1/2	
	40	3	
	42	2	
40	44	2	
	46	2	
	48 1/2	2 1/2	
	51	2 1/2	
	53 1/2	2 1/2	
45	56	2 1/2	conn. 4645
	4:00 02 1/2	2 1/2	
	05	2 1/2	
	08	3	
	12	4	
4650	15	3	

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4650 51	15 18 1/2	3 3 1/2	
	22	3 1/2	
	26	4	
	29 1/2	3 1/2	
55	33	3 1/2	
	37	4	
	41	4	
	45	4	
	49 1/2	4 1/2	
60	54 1/2	5	
	58	3 1/2	
	5:02	4	
	06	4	
	10	4	
65	14 1/2	4 1/2	
	17	2 1/2	
	19	2	
	22 1/2	3 1/2	
	26 1/2	4	
70	30	3 1/2	
	33	3	
	37	4	
	40 1/2	3 1/2	
	44	3 1/2	
75	47 1/2	3 1/2	
	50	2 1/2	conn. 4676
	54 57	3	
	6:00	3 1/2	
	04	3 1/2	
80	08	4	
	12	4	
	16	4	
	19 1/2	3 1/2	
	23	3 1/2	
85	27	4	
	30	3	
	33 1/2	3 1/2	
	37	3 1/2	
	40	3	
90	43 1/2	3 1/2	
	47	3 1/2	
	50 1/2	3 1/2	
	54	3 1/2	
	57 1/2	3 1/2	
95	7:01	3 1/4	
	05	4	
	08 1/2	3 1/2	
	12	3 1/2	
	16	4	
4700	19 1/2	3 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4700 01	7:19 1/2 23	3 1/2	
	27	4	
	31	4	
	35	4	
05	39	4	
	43	4	
	47	4	conn. 4707 1 Rig
	52 55 1/2	3 1/2	
	59	3 1/2	
10	8:01 1/2	2 1/2	
	04	2 1/2	
	06	2	
	08	2	
	11 1/2	3 1/2	
15	15 1/2	4	
	19	3 1/2	
	22	3	
	25 1/2	3 1/2	
	29	3 1/2	
20	31 1/2	2 1/2	
	34	2 1/2	
	36 1/2	2 1/2	
	39	2 1/2	
	42	3	
25	44	2	
	46 1/2	2 1/2	
	50	3 1/2	
	54	4	
	57	3	
30	9:01	4	
	05	4	
	09	4	
	13	4	
	15	2	
35	18	3	
	21	3	
	26	5	
	29	3	Conn 4738
	42 43 1/2	3 1/2	clean #4 PI
40	50	4 1/2	
	52	2	
	54	2	
	56	2	
	10:00	4	
45	03	3	
	07	4	
	10	3	
	14	4	
	18 1/2	4 1/2	
4750	22 1/2	4	

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4750 51	22 1/2 26	3 1/2	
	29	3	
	32 1/2	3 1/2	
	36 1/2	4	
55	40	3 1/2	
	43	3	
	46	3	
	48 1/2	2 1/2	
	51	2 1/2	
100	54 1/2	3 1/2	
	58	3 1/2	
	11:02	4	
	05 1/2	3 1/2	
	09	3 1/2	
105	11 1/2	2 1/2	
	14	2 1/2	
	16 1/2	2 1/2	
	20	3 1/2	
	23	3	
70	27	4	4770 conn
	31 34 1/2	3 1/2	
	39	4 1/2	
	43	4	
	47	4	
75	51	4	
	55 1/2	4 1/2	
	59	3 1/2	
	12:03 1/2	4 1/2	
	07	3 1/2	
80	10 1/2	3 1/2	
	14	3 1/2	
	18	4	
	21 1/2	3 1/2	
	25	3 1/2	
85	28 1/2	3 1/2	
	30	1 1/2	
	33	3	
	36	3	
	40	4	
90	44	4	
	48	4	
	51	3	
	54	3	
	58	4	
95	1:02 1/2	4 1/2	
	6	3 1/2	
	9 1/2	3 1/2	
	13	3 1/2	
	16	3	
4800	17 1/2	1 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4800 01	11:17 1/2 1:21	3 1/2	4801 conn
	26 30	4	
	34	4	
	38	4	
5	42 1/2	4 1/2	
	46 1/2	4	
	50 1/2	4	
	52 1/2	2	
	56	3 1/2	
10	P:00	4	
	04	4	
	08	4	
	11	3	
	14	3	
15	18	4	
	22	4	
	26	4	
	29	3	
	31	2	
20	33	2	short trip
	40 42	2	
	45-	3 1/2	RECEIVED
	47-	2	STATE CORPORATION COMMISSION
	49-	2	JUN 6 1989
25	51-	2	
	53	1 1/2	CORPORATION COMMISSION Wichita, Kans.
	54-	1 1/2	
	57	3	
	4:01	4	
30	05	4	
	10	5	Conn 4831
	13 16-	3 1/2	
	19	3	
	22 1/2	3 1/2	
35	25 1/2	3	
	29	3 1/2	
	32	3	
	35	3	
	38	3	
40	41	3	
	44	3	
	47 1/2	3 1/2	
	51 1/2	4	
	54-	3	
45	57	2 1/2	
	5:00	3	
	03-	3 1/2	
	07-	4	
	11-	4	
50	15	3 1/2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4850	15	3 1/2	
	18-	3	
	21-	3	
	24-	3	
	28	3 1/2	
55	31	3	
	33-	2 1/2	
	37	3 1/2	
	40-	3 1/2	
	44-	4	
60	49	4 1/2	
	53	4	
	57	4	
	6:00	3	Conn 4863
	01 01	3	
65	06	2	
	08-	2 1/2	
	11	2	
	13	2	
	15	2	
70	17	2	
	19	2	
	22	3	
	25	3	
	28	3	
75	31	3	CFS 4875
	38 30-	2 1/2	
	33-	3	
	36-	3	
	39	2 1/2	
80	41-	2 1/2	
	43-	2	
	46	2 1/2	
	48	2	
	50	2	
85	52	2	
	53-	1 1/2	CFS 4876
	59 53-	2	
	05-	2	
	07-	2	
90	10	2 1/2	
	12-	2 1/2	
	15	2 1/2	Conn 4892
	18 20-	2	
	22	1 1/2	
95	24	2	
	26	2	
	28	2	
	30	2	
	31-	1 1/2	
4900	33	2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4900	33	1 1/2	
	35	1 1/2	
	37	2	
	39	2	
	41	2	
05	43	2	
	45	2	
	47	2	
	49-	2 1/2	
	51-	2	
10	54	2 1/2	
	57	3	
	59	2	
	10:01	2	
	03	2	
15	05	2	
	07	2	
	08-	1 1/2	
	10	1 1/2	
	11	1	
20	12-	1 1/2	
	14	1 1/2	
	15	1	
	16	1	
	17	1	Conn 4924
25	21 23	2	
	24-	1 1/2	
	25-	1	
	26-	1	
	27-	1	
30	28-	1	
	32	3 1/2	
	34-	2 1/2	
	37	2 1/2	
	39	2	
35	40-	1 1/2	
	43	2 1/2	
	46 1/2	3 1/2	
	50	3 1/2	
	53	3	
40	57	4	
	11:00	3	
	03	3	
	04 1/2	1 1/2	
	06	1 1/2	
45	07 1/2	1 1/2	
	08 1/2	1	
	10	1 1/2	
	11 1/2	1 1/2	
	12 1/2	1	
50	14	1 1/2	

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4950	14	1	
	15	1	
	16	1	
	17 1/2	1 1/2	
	18 1/2	1	
55	20	1 1/2	
	21	1	Conn 4956
	28 29	1	
	30 1/2	1 1/2	
	32	1 1/2	
60	34 35	1	
	36	1	
	37	1	
	37 1/2	1 1/2	
	38 1/2	1	
65	39 1/2	1	
	40	1 1/2	
	40 1/2	1 1/2	
	41 1/2	1	
	42	1 1/2	
70	43	1	
	43 1/2	1 1/2	
	44 1/2	1	
	45	1 1/2	
	46	1	
75	47	1	
	47 1/2	1 1/2	
	48	1 1/2	
	49	1	
	50	1	
80	50 1/2	1 1/2	
	51	1 1/2	
	52	1	
	52 1/2	1 1/2	
	53	1 1/2	
85	54 1/2	1 1/2	
	55	1 1/2	
	56	1	conn. 4987
	18:01 01	1	
	01 1/2	1 1/2	
90	02 1/2	1	
	03	1 1/2	
	04	1	
	04 1/2	1 1/2	
	05	1 1/2	
95	06	1	
	07	1	
	07 1/2	1 1/2	
	08 1/2	1	
	09	1 1/2	
5000	10	1	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5000 01	10 10 1/2	1/2	
	11	1/2	
	12	1	
	13 1/2	1 1/2	
05	14 1/2	1	
	15 1/2	1	
	16 1/2	1	
	18	1 1/2	
	19	1	
10	20	1	
	21	1	
	22 1/2	1 1/2	
	24 1/2	2	
	26	1 1/2	
15	27 1/2	1 1/2	
	29	1 1/2	
	30 1/2	1 1/2	
	32	1 1/2	conn. 5018
	32 1/2	1	
20	41	3	
	43	2	
	44 1/2	1 1/2	
	47	2 1/2	
	48	1	
25	49	1	
	50	1	
	51	1	
	52	1	
	53 1/2	1 1/2	
30	51 1/2	3	
	59 1/2	3	
	1 02	2 1/2	
	04	2	
	07 1/2	3 1/2	
35	11 1/2	4	
	15 1/2	4	
	19	3 1/2	
	23 1/2	4 1/2	
	27 1/2	4	
40	32 1/2	5	
	37	4 1/2	
	41 1/2	4 1/2	
	46	4 1/2	
	50 1/2	4 1/2	
45	55	4 1/2	
	59 1/2	4 1/2	
	2 03 1/2	4	
	05 1/2	2	
	07 1/2	2	conn. 5049
5050	13 1/4	2	

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 STATE CORPORATIONAL COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 Wichita, Kansas
 KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH
 JUN 23 1989

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5050 51	14 11 1/2	2	
	20	4	
	22 1/2	2 1/2	
	24 1/2	2	
55	27	2 1/2	
	29	2	
	31 1/2	2 1/2	
	34	2 1/2	
	37 1/2	3 1/2	
60	41	3 1/2	
	43	2	
	45 1/2	2 1/2	
	48	2 1/2	
	51	3	
65	53 1/2	2 1/2	
	57	3 1/2	
	3 01	4	
	05 1/2	4 1/2	
	10	4 1/2	
70	15	5	
	19 1/2	4 1/2	
	24	4 1/2	
	28	4	
	31	3	
75	34 1/2	3 1/2	
	38 1/2	4	
	42 1/2	4	
	46	3 1/2	
	50	4	
80	54	4	
	57 1/2	3 1/2	conn. 5081
	4 02	3	
	09	4	
	12 1/2	3 1/2	
85	16 1/2	4	
	20 1/2	4	
	24	3 1/2	
	28	4	
	32 1/2	4 1/2	
90	37 1/2	5	
	42	4 1/2	
	46 1/2	4 1/2	
	51	4 1/2	
	56	5	
95	5 01	5	
	05	4	
	10	5	
	14 1/2	4 1/2	
	19	4 1/2	
5100	23 1/2	4 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5100 01	23 1/2 28	4 1/2	
	33	5	
	37	4	
	42	5	
05	47	5	
	51 1/2	4 1/2	
	56 1/2	5	
	61:01	4 1/2	
	01	5	
10	11	5	
	16	5	
	21	5	
	25 1/2	4 1/2	conn. 5113
	49 53	4	
15	57 1/2	4 1/2	
	7:02	4 1/2	
	07	5	
	11 1/2	4 1/2	
	16	4 1/2	
20	21	5	
	25 1/2	4 1/2	
	30 1/2	5	
	35	4 1/2	
	39	4	
25	43 1/2	4 1/2	
	48	4 1/2	
	53	5	
	57 1/2	4 1/2	
	8:02	4 1/2	
30	06	4	
	10 1/2	4 1/2	
	15 1/2	5	
	20 1/2	5	
	25 1/2	5	
35	30 1/2	5	
	35	4 1/2	
	40	5	
	45	5	
	50	5	
40	55	5	
	9:00	5	
	05 1/2	5 1/2	
	10 1/2	5	
	15	4 1/2	conn. 5144
45	20 24 1/2	4 1/2	
	29 1/2	5	
	34 1/2	5	
	39	4 1/2	
	44	5	
5150	49	5	

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 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5150 51	49 53	4	
	56	3	
	10:00	4	
	03 1/2	3 1/2	
55	07	3 1/2	
	09	2	
	11 1/2	2 1/2	
	15 1/2	4	
	20	4 1/2	
60	25	5	
	30	5	
	35	5	
	40	5	
	45	5	
65	49 1/2	4 1/2	
	53 1/2	4	
	57 1/2	3 1/2	
	11:01	3 1/2	
	04 1/2	3 1/2	
70	08 1/2	4	
	13	4 1/2	
	17	4	
	21	4	
	25	4	
75	30	5	conn. 5175
	33 37	4	
	41	4	
	45	4	
	49	4	
80	53 1/2	4 1/2	
	57	3 1/2	
	12:01	4	
	04 1/2	3 1/2	
	08	3 1/2	
85	11 1/2	3 1/2	44 vis.
	15	3 1/2	9.3 wt.
	19	4	wt 9.0
	23	4	
	27	4	
90	31	4	
	35	4	
	39	4	
	42	3	
	46	4	
95	49 1/2	3 1/2	
	53	3 1/2	
	57	4	
	1:00	3	
	04	4	
5200	8 1/2	4 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5200 01	1:08 13	4 1/2	
	17	4	
	21 1/2	4 1/2	
	26	4 1/2	
05	30	4	
	35	5	CONN. 5206
	39 43	4	
	47	4	
	51	4	
10	55	4	
	59	4	
	2:03	4	
	07 1/2	4 1/2	
	12	4 1/2	
15	17	5	
	22	5	
	27	5	
	31	4	
	35	4	
20	39	4	
	42	3	
	44	2	
	47	3	
	52	5	
25	56-	4-	
	3:01	5	
	07	5 1/2	
	11	4	
	15	4	
30	19	4	
	22	3	
	26-	4 1/2	
	30-	4	
	34	3 1/2	
35	36	2	
	37-	1 1/2	
	38-	1	
	40	1 1/2	CONN. 5238
	43 47	2	
40	48-	1 1/2	
	50-	2	
	52	1 1/2	
	54	2	
	56	2	
45	58-	2 1/2	
	4:00	1 1/2	
	02	2	
	04	2	
	06-	2 1/2	
5250	08-	2	

RECEIVED
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 Wichita, Kansas

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5250 51	08 11	2 1/2	
	13	2	
	15-	2 1/2	
	18	2 1/2	
55	20	2	
	22-	2 1/2	
	24-	2	
	27	2 1/2	
	30	3	
60	32	2	
	35	3	
	38-	3 1/2	
	42	3 1/2	
	45	3	
65	47	2	
	49-	2 1/2	
	53	3 1/2	
	56-	3 1/2	Conn 5268
	5:03 03-		
70	07	3 1/2	
	12	5	
	16-	4 1/2	
	21	4 1/2	
	26	5	
75	30	4	
	35	5	
	40	5	
	44-	4 1/2	
	49-	5	
80	55-	6	
	6:00-	5	
	06	5 1/2	
	11	5	
	16-	5 1/2	
85	23	6 1/2	
	30-	7 1/2	
	37-	7	
	45	7 1/2	BIT TRIP
	58 37 1/2	5 1/2	
90	43	5 1/2	
	47	4	
	52	5	
	57	5	
	12:01	4	
95	06	5	
	10	4	
	14	4	
	18 1/2	4 1/2	
	23	4 1/2	
5300	27 1/2	4 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5300 01	27 1/2 27 3/2	4 1/2	
	35 1/2	3 1/2	conn. 5302
	41 1/2 41 5/2	4 1/2	
	50	4 1/2	
05	54 1/2	4 1/2	
	58 1/2	4	
	1:03	4 1/2	
	1:07	4	
	11 1/2	4 1/2	
10	16	4 1/2	
	20	4	
	24 1/2	4 1/2	
	29	4 1/2	
	33	4	
15	37 1/2	4 1/2	
	41 1/2	4	
	45 1/2	4	
	50	4 1/2	
	54	4	
20	59	5	
	2:02 1/2	3 1/2	
	06 1/2	4	
	10 1/2	4	
	14 1/2	4	
25	18 1/2	4	
	22 1/2	4	
	26	3 1/2	
	30	4	
	34	4	
30	38	4	
	42	4	
	46	4	
	50 1/2	4	
	54 1/2 54 5/2	4	conn. 5333
35	3:01 1/2	3 1/2	
	05	3 1/2	
	08 1/2	3 1/2	
	12	3 1/2	
	16	4	
40	20	4	
	23 1/2	3 1/2	
	27	3 1/2	
	31	4	
	36	5	
45	42	6	
	46 1/2	4 1/2	
	51	4 1/2	
	56	5	
	4:01 1/2	5 1/2	
5350	4:06 1/2	5	

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 WICHITA, KAN.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5350 51	06 1/2 06 1/2	5 1/2	
	17 1/2	5 1/2	
	23 1/2	6	
	29	5 1/2	
55	34	5	
	38 1/2	4 1/2	
	43	4 1/2	
	48	5	
	52 1/2	4 1/2	
60	57 1/2	5	
	5:02	4 1/2	
	07	5	
	12	5	
	16 1/2	4 1/2	
65	21	4 1/2	conn. 5365
	27 1/2 27 1/2	4 1/2	
	36	4 1/2	
	41	5	
	45	4	
70	50	5	
	54 1/2	4 1/2	
	59 1/2	5	
	6:04	4 1/2	
	08	4	
75	13	5	
	18	5	
	23	5	
	27 1/2	4 1/2	
	31 1/2	4	
80	36	4 1/2	
	40	4	
	44 1/2	4 1/2	
	48 1/2	4	
	52 1/2	4	
85	56 1/2	4	
	7:10 1/2	4	
	04 1/2	4	
	08 1/2	4	
	12 1/2	4	
90	16 1/2	4	
	20 1/2	4	
	24 1/2	4	
	28 1/2	4	
	32 1/2	4	
95	36 1/2	4	
	39 1/2	3	
	42 1/2	3	
	52 1/2 52 1/2	2	conn. 5397
	56 1/2	2 1/2	
5400	58 1/2	2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5400 01	7:58 8:00	2	
	02	2	
	05	2	
	07	2	
05	10	2	
	12	2	
	14	2	
	17	2	
	19	2	
10	21	2	
	23	2	
	26	2	
	28	2	
	32	4	
15	36	4	
	39	3	
	43	4	
	47	4	
	51	4	
20	55	3	
	59	4	
	9:03	4	
	07	4	
	11	4	
25	15	4	
	19	4	
	23	4	
	27	4	
	31	3	
30	34	3	
	38	4	
	41	2	
	44	3	
	46	2	
	48	2	
35	50	1	
	51	1	
	53	1	
	55	2	
	57	2	
40	10:00	2	
	01	1	
	02	1	
	04	2	
	06	2	
45	08	1	
	39	2	
	41	2	
	43	2	
	45	2	
	47	2	
5450	49	2	

RECEIVED
 STATE COOPERATION COMMISSION
 JUN 6 1989
 CONSERVATION DIVISION
 Wichita, Kansas

CONN. 5428

DEPTH	TIME O'CLOCK	MIN.	REMARKS
5450 51	49 51	2	
	53	2	
	56	2	
	59	3	
55	11:02	3	
	05	3	
	08	3	
	11	3	
	15	3	
60	19	3	CONN. 5459
	23	3	
	25	3	
	27	1	
	28	1	
65	30	2	
	33	2	
	36	3	
	38	2	
	40	2	
70	44	4	
	49	5	
	53	4	
	56	3	
	12:00	3	
75	05	5	
80			
85			
90			
			CONN. 5491
95			
5500			