

Plugged 3-27-90

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- 033-20,782-00-00 ORIGINAL

County Comanche

C SE NE Sec. 8 Twp. 31 Rge. 19  East West

3300 Ft. North from Southeast Corner of Section

660 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name W. M. White Well # 1

Field Name Wildcat

Producing Formation dry hole

Elevation: Ground 2192 KB 2200

Total Depth 5305 PBTD ----

Operator: License # 03384

Name: R. J. Sullivan DBA Sullivan & Company

Address Suite 1700  
320 S. Boston

City/State/Zip Tulsa, OK 74103

Purchaser: Dry P & A

Operator Contact Person: Dale E. Dawson

Phone (918) 584-4288

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Greg Bectol

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SWD  Temp. Abd.
- Gas  Inj  Delayed Comp.
- Dry  Other (Core, Water Supply, etc.)

If OWNED: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

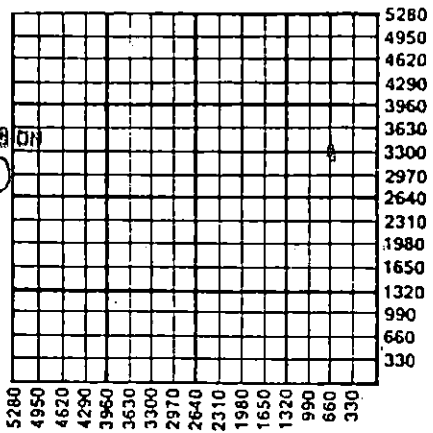
- Mud Rotary  Air Rotary  Cable

3-17-90 3-26-90 03-27-90  
Spud Date Date Reached TD Completion Date

RECEIVED  
STATE CORPORATION COMMISSION

04-17-1990  
APR 17 1990

CONSERVATION DIVISION  
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 590 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.

**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-4 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 Dale E. Dawson  
Title Production & Operations Mgr. Date 04-12-90

Subscribed and sworn to before me this 12<sup>th</sup> day of April, 1990.

Notary Public Faye Voshie

Date Commission Expires December 7, 1992

**K.C.C. - OFFICE USE ONLY**

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

**Distribution**

KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

P1

**SIDE TWO**

Operator Name R.J. Sullivan dba Sullivan & Co Lease Name W.M. White Well # 1  
 Sec. 8 Twp. 31 Rge. 19  East  West County Comanche

**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.)

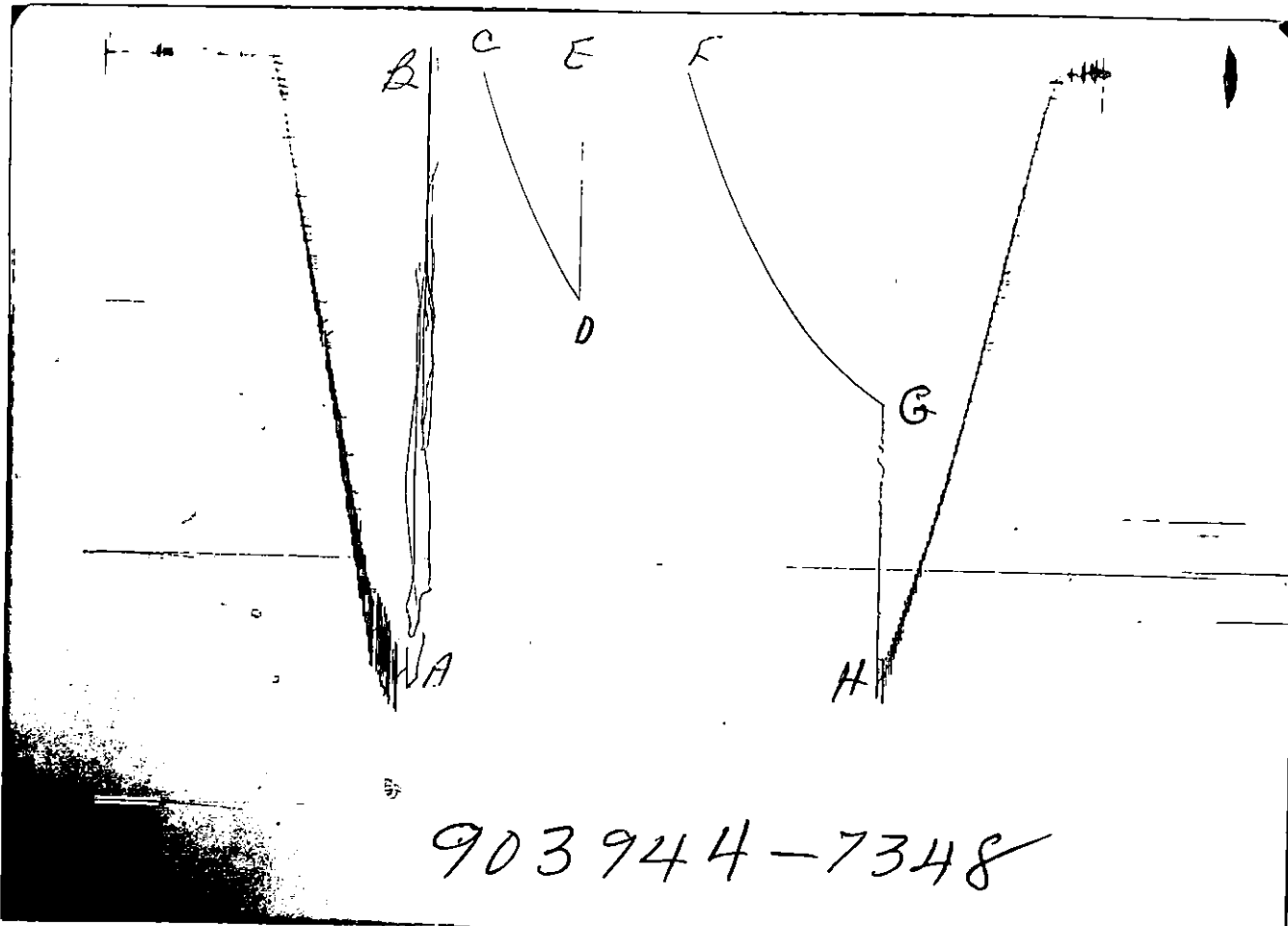
Formation Description		
Name	Top	Bottom
Base Heebner	4274'	
Lansing	4452'	
Marmaton	4914'	
Miss.	5115'	

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 1/2"	8-5/8"	23#	590'	60/40poz & Class A	475	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
none	none			none			
TUBING RECORD				Liner Run			
none	Size	Set At	Packer At	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Dry P & A							
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 ACD-18.)

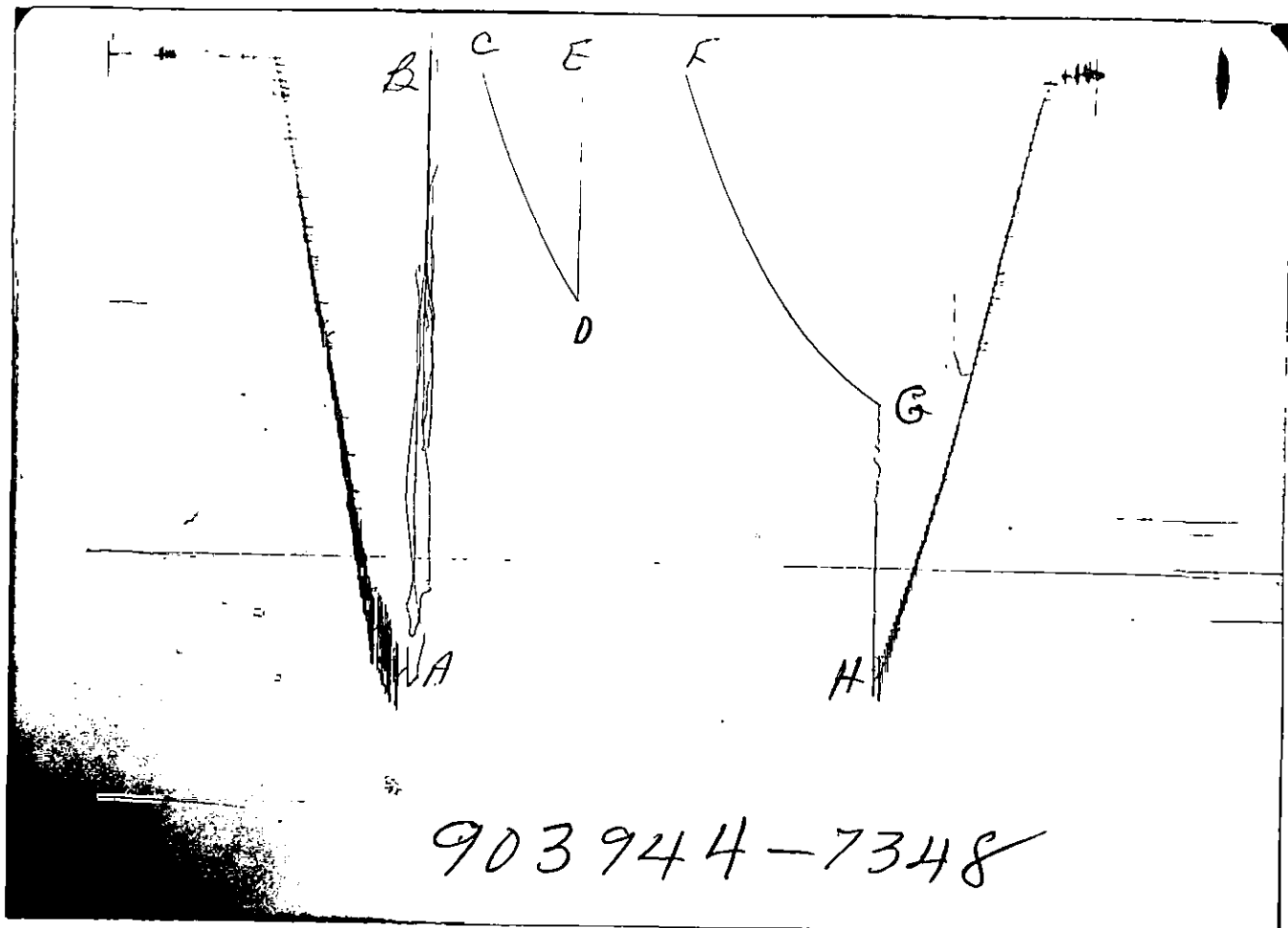
METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) none

Production Interval: none



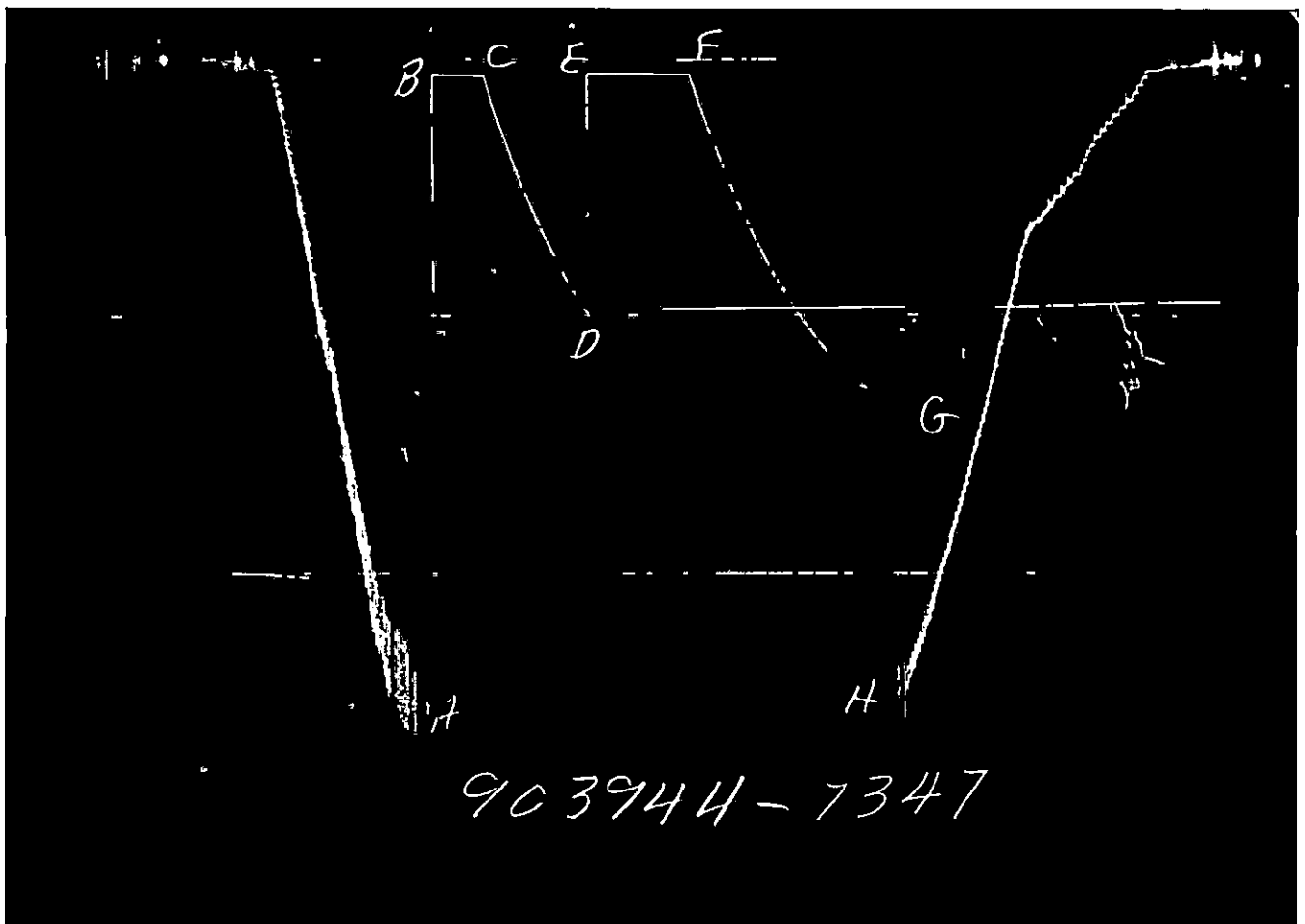
GAUGE NO: 7348 DEPTH: 5095.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2448.7			
B	INITIAL FIRST FLOW		42.2			
C	FINAL FIRST FLOW		29.4	30.0	29.9	F
C	INITIAL FIRST CLOSED-IN		29.4			
D	FINAL FIRST CLOSED-IN		963.8	60.0	61.1	C
E	INITIAL SECOND FLOW		39.6			
F	FINAL SECOND FLOW		26.5	60.0	58.9	F
F	INITIAL SECOND CLOSED-IN		26.5			
G	FINAL SECOND CLOSED-IN		1352.9	120.0	120.2	C
H	FINAL HYDROSTATIC		2445.9			



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A	INITIAL HYDROSTATIC		2448.7			
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C	FINAL FIRST FLOW		29.4	30.0	29.9	F
C	INITIAL FIRST CLOSED-IN		29.4			
D	FINAL FIRST CLOSED-IN		963.8	60.0	61.1	C
E	INITIAL SECOND FLOW		39.6			
F	FINAL SECOND FLOW		26.5	60.0	58.9	F
F	INITIAL SECOND CLOSED-IN		26.5			
G	FINAL SECOND CLOSED-IN		1352.9	120.0	120.2	C
H	FINAL HYDROSTATIC		2445.9			



GAUGE NO: 7347 DEPTH: 5162.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2577	2466.2			
B	INITIAL FIRST FLOW	58	80.8			
C	FINAL FIRST FLOW	58	60.5	30.0	29.9	F
C	INITIAL FIRST CLOSED-IN	58	60.5			
D	FINAL FIRST CLOSED-IN	1017	997.5	60.0	61.1	C
E	INITIAL SECOND FLOW	68	49.5			
F	FINAL SECOND FLOW	68	54.8	60.0	58.9	F
F	INITIAL SECOND CLOSED-IN	68	54.8			
G	FINAL SECOND CLOSED-IN	1381	1375.2	120.0	120.2	C
H	FINAL HYDROSTATIC	2577	2447.5			

### EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI  
 NET PAY (ft): \_\_\_\_\_  
 GROSS TESTED FOOTAGE: 55.0  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): 2200.0  
 TOTAL DEPTH (ft): 5165.0  
 PACKER DEPTH(S) (ft): 5110  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 9.10  
 MUD VISCOSITY (sec): 47  
 ESTIMATED HOLE TEMP. (°F): 120  
 ACTUAL HOLE TEMP. (°F): \_\_\_\_\_ @ \_\_\_\_\_ ft

TICKET NUMBER: 90394400  
 DATE: 3-25-90 TEST NO: 1  
 TYPE DST: OPEN HOLE  
 FIELD CAMP: PRATT  
 TESTER: DON PARADIS  
 WITNESS: GREG BECKTOL  
 DRILLING CONTRACTOR: DUKE #2

### FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT</u>	_____ @ _____ °F	<u>6000</u> ppm
<u>TOP OF TOOL</u>	_____ @ _____ °F	<u>7800</u> ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

### SAMPLER DATA

Psig AT SURFACE: \_\_\_\_\_  
 cu.ft. OF GAS: \_\_\_\_\_  
 cc OF OIL: \_\_\_\_\_  
 cc OF WATER: \_\_\_\_\_  
 cc OF MUD: 1140.0  
 TOTAL LIQUID cc: 1140.0

### HYDROCARBON PROPERTIES

DIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

### CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

### RECOVERED :

45' OF MUD

MEASURED FROM  
TESTER VALVE

### REMARKS :



TICKET NO: 90394400

CLOCK NO: 14285 HOUR: 12

GAUGE NO: 7348

DEPTH: 5095.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	42.2		
	2	5.0	33.0	-9.2	
	3	10.0	29.4	-3.5	
	4	15.0	28.2	-1.3	
	5	20.0	28.2	0.0	
	6	25.0	29.1	0.9	
C	7	29.9	29.4	0.3	
FIRST CLOSED-IN					
C	1	0.0	29.4		
	2	4.0	113.7	84.3	3.5 0.929
	3	8.0	197.2	167.8	6.3 0.675
	4	12.0	278.2	248.9	8.5 0.544
	5	16.0	355.2	325.8	10.4 0.457
	6	20.0	423.4	394.0	12.0 0.397
	7	24.0	489.8	460.4	13.3 0.351
	8	28.0	552.5	523.1	14.4 0.316
	9	32.0	612.4	583.1	15.4 0.286
	10	36.0	669.1	639.7	16.3 0.262
	11	40.0	727.8	698.5	17.1 0.242
	12	44.0	776.6	747.2	17.8 0.225
	13	48.0	828.5	799.2	18.4 0.210
	14	52.0	874.9	845.6	19.0 0.197
	15	56.0	916.2	886.8	19.5 0.186
D	16	61.1	963.8	934.5	20.0 0.173
SECOND FLOW					
E	1	0.0	39.6		
	2	10.0	28.6	-11.1	
	3	20.0	26.3	-2.3	
	4	30.0	25.1	-1.2	
	5	40.0	25.1	0.0	
	6	50.0	25.1	0.0	
F	7	58.9	26.5	1.4	
SECOND CLOSED-IN					
F	1	0.0	26.5		
	2	8.0	178.0	151.5	7.4 1.081
	3	16.0	329.5	302.9	13.6 0.816
	4	24.0	470.8	444.3	18.9 0.672
	5	32.0	595.0	568.5	23.5 0.577
	6	40.0	706.1	679.6	27.6 0.508
	7	48.0	807.6	781.1	31.1 0.455
	8	56.0	897.1	870.6	34.3 0.412
	9	64.0	980.5	953.9	37.2 0.378
	10	72.0	1054.9	1028.4	39.8 0.349

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
	11	80.0	1119.9	1093.3	42.1 0.324
	12	88.0	1177.3	1150.7	44.2 0.303
	13	96.0	1229.8	1203.3	46.1 0.284
	14	104.0	1276.1	1249.6	47.9 0.268
	15	112.0	1315.8	1289.3	49.5 0.253
G	16	120.2	1352.9	1326.4	51.1 0.240

REMARKS:















TICKET NO: 90394400  
 CLOCK NO: 14282 HOUR: 12

GAUGE NO: 7347  
 DEPTH: 5162.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	80.8		
	2	5.0	56.1	-24.7	
	3	10.0	56.1	0.0	
	4	15.0	57.1	1.0	
	5	20.0	57.1	0.0	
	6	25.0	59.7	2.6	
C	7	29.9	60.5	0.8	
FIRST CLOSED-IN					
C	1	0.0	60.5		
	2	4.0	153.8	93.4	3.5 0.931
	3	8.0	232.5	172.0	6.3 0.675
	4	12.0	311.6	251.1	8.5 0.544
	5	16.0	391.2	330.7	10.4 0.457
	6	20.0	459.1	398.7	12.0 0.396
	7	24.0	523.3	462.9	13.3 0.351
	8	28.0	591.0	530.6	14.5 0.315
	9	32.0	649.4	588.9	15.4 0.286
	10	36.0	706.0	645.5	16.3 0.262
	11	40.0	762.4	702.0	17.1 0.242
	12	44.0	809.8	749.3	17.8 0.225
	13	48.0	862.3	801.8	18.4 0.210
	14	52.0	906.6	846.2	19.0 0.197
	15	56.0	950.3	889.8	19.5 0.186
D	16	61.1	997.5	937.0	20.0 0.173
SECOND FLOW					
E	1	0.0	49.5		
	2	10.0	52.0	2.5	
	3	20.0	51.4	-0.6	
	4	30.0	51.4	0.0	
	5	40.0	53.6	2.2	
	6	50.0	54.7	1.1	
F	7	58.9	54.8	0.1	
SECOND CLOSED-IN					
F	1	0.0	54.8		
	2	8.0	216.0	161.2	7.3 1.083
	3	16.0	358.1	303.4	13.5 0.817
	4	24.0	493.7	439.0	18.9 0.671
	5	32.0	614.8	560.1	23.5 0.576
	6	40.0	728.5	673.8	27.6 0.508
	7	48.0	830.2	775.4	31.2 0.454
	8	56.0	922.4	867.6	34.3 0.412
	9	64.0	1003.5	948.7	37.2 0.378
	10	72.0	1077.7	1023.0	39.8 0.349

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
	11	80.0	1142.4	1087.6	42.1 0.324
	12	88.0	1200.4	1145.6	44.2 0.303
	13	96.0	1252.1	1197.4	46.1 0.284
	14	104.0	1298.0	1243.3	47.9 0.268
	15	112.0	1338.8	1284.1	49.5 0.253
G	16	120.2	1375.2	1320.5	51.1 0.240

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4960.0	
50		IMPACT REVERSING SUB.....	5.000	3.000	1.0	4960.5
1		DRILL PIPE.....	4.500	3.826	120.0	
5		CROSSOVER.....	5.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5093.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5095.0
15		JAR.....	5.000	1.750	5.0	
15		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5110.0
20		FLUSH JOINT ANCHOR.....	5.000	3.840	49.0	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.0	5162.0
TOTAL DEPTH						5165.0