

RECEIVED

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JUN 14 1990

SIZE ONE

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STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
MEDALLION PETROLEUM  
WELL IDENTIFICATION FORM  
APPLICABLE TO OIL & GAS  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 199-20,192 00-00  
County Wallace FROM CONFIDENTIAL

SE SE SE Sec. 5 Twp. 12S Rge. 38 X West

660 Ft. North from Southeast Corner of Section

660 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

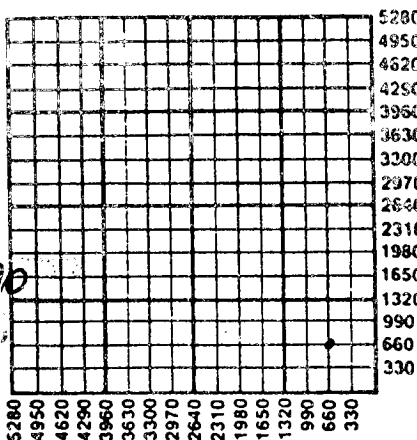
Lease Name Armstrong Well # 5-1

Field Name Wildcat

Producing Formation Dry + Abandoned

Elevations: Ground 3307 KB 3317

Total Depth 4854 PBD



Operator: License # 3578

Name: Medallion Petroleum, Inc.

Address 2000 Mid-Continent Tower  
401 S. Boston

City/State/Zip Tulsa, OK 74103

Purchaser:

Operator Contact Person: Lee Francis

Phone (918) 582-4445

Contractor: Name: Murfin Drilling Company

License: 6033

Wellsite Geologist: Randy Say

Designate Type of Completion

X New Well Re-Entry Workover

Oil STD Temp. Abd.

Gas Inj Delayed Comp.

X Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Drilling Method:

X Mud Rotary Air Rotary Cable

05-16-90 05-24-90 05-28-90

Spud Date Date Reached TD Completion Date

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 J. Goss

Title Jack E. Goss, Agent for Operator Date 6-11-90

Subscribed and sworn to before me this 11th day of June 19 90.

Notary Public Melanie Rau  
Melanie Rau

Date Commission 4-18-93



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)

**SIDE TWO**

Operator Name Medallion Petroleum, Inc. Lease Name Armstrong Well # 5-1  
 Sec. 5 Twp. 12S Rge. 38  East  West  
 County Wallace

**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 210, 7001  
 Log  Sample  
 Name \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_  
See attachment

**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"	23.57 #	403'	60/40 Poz	225	2% gel, 3% cc

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

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ 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  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

ORIGINAL

15-199-20192-00-00

## ELECTRIC LOG FORMATION AND ZONE TOPS

RELEASED

FORMATION/ZONE	DEPTH (FEET)	DATUM (KB-3317')
Fort Hays		
Dakota		
Morrison		
PERMIAN		
Blaine		
Stone Corral	2640	+ 697
Stone Corral-BASE	2648	+ 669
Neva	3248	+ 69
Foraker	3328	- 11
Virgil	3390	- 73
Shawnee/Topeka	3712	- 395
Heebner Shale	3940	- 623
Toronto Limestone	3964	- 647
Lansing Kansas City	3984	- 667
Marmaton	4358	-1041
-Fort Scott Member	4470	-1153
Cherokee	4492	-1175
Atoka	4566	-1249
Morrow Shale (SONIC)	4662	-1345
Morrow Shale (STRAT)	4668	-1351
Morrow SS "A"	4670	-1353
Morrow SS "A"-BASE	4684	-1367
Morrow SS "B"	4702	-1385
Morrow SS "B"-BASE	4706	-1389
Morrow SS "C"		
Morrow SS "C"-BASE		
Lower Morrow	4776	-1459
MISSISSIPPIAN		
-St.Louis	4804	-1467
-Spergen		
TOTAL DEPTH(DRILLER)	4860	-1543
TOTAL DEPTH(ELECTRIC LOG)	4854	-1537

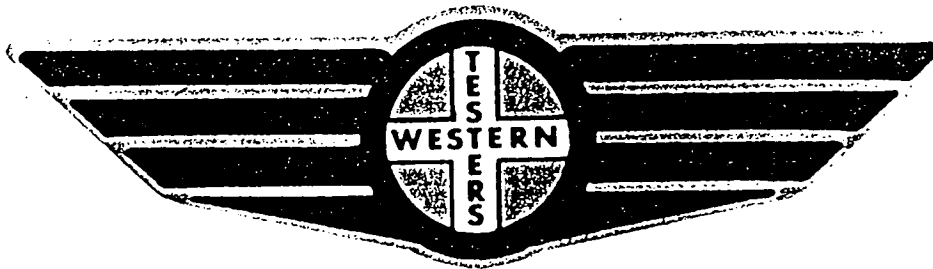
FROM CONFIDENTIAL

ORIGINAL

15-199-20192-00-00

COMPANY MEDALLION PETROLEUM INC. LEASE & WELL NO. ARMSTRONG #5-1 SEC. 5 TWP. 12S RGE. 38w TEST. NO. 1 DATE 5/22/90

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

ORIGINAL

15-199-20192-00-00

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 5-22-90 TICKET : 16191  
CUSTOMER : MEDALLION PETROLEUM INC. LEASE : ARMSTRONG  
WELL : 5-1 TEST: 1 GEOLOGIST : BASSETT  
ELEVATION : 3317 K.B. FORMATION : MORROW  
SECTION : 5 TOWNSHIP : 12S  
RANGE : 38W COUNTY : WALLACE STATE : KANSAS  
GAUGE SN# : 4376 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4594 TO : 4679 TOTAL DEPTH : 4679  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4589 SIZE : 6.75  
PACKER DEPTH : 4594 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN DRL. RIG #20  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.0 WATER LOSS (CC) : 8.4  
CHLORIDES (PPM) : 2400  
JARS-MAKE : WTC SERIAL NUMBER : 406  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 486 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4085 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 23 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 85 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 : I.F.P. STRONG BLOW-RIGHT TO BOTTOM OF BUCKET-  
BLOW COMMENT #2 : STEADY THROUGHOUT.  
BLOW COMMENT #3 : F.F.P. FAIR BLOW TO BOTTOM OF BUCKET IN 3 MIN.-BUILDING  
BLOW COMMENT #4 : FOR 25 MIN.-THEN DECREASING TO 10" AT END OF FLOW.

RECOVERED : 2285 FT OF: WATERY MUD W/ SCUM OF OIL  
RECOVERED : 0 FT OF: 98%MUD 2%WATER OIL<2%  
RECOVERED : 0 FT OF: CHLORIDES 12000 P.P.M.

Total Barrels Fluid = 27.52  
Total Fluid Prod Rate = 466.19 BFPD  
Indicated Wtr Rate = 55.02 BFPD

REMARK 1 :  
REMARK 2 : RW= .38 @ 66 DEGREES F.  
REMARK 3 : SLIGHT PLUGGING ON 1ST FLOW.  
REMARK 4 :

SET PACKER(S) : 1:15 A.M. TIME STARTED OFF BOTTOM : 5:45 A.M.  
WELL TEMPERATURE : 131  
INITIAL HYDROSTATIC PRESSURE (A) 2245  
INITIAL FLOW PERIOD MIN: 25 (B) 731 PSI TO (C) : 927  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1797  
FINAL FLOW PERIOD MIN: 60 (E) 1009 PSI TO (F) : 1160  
FINAL CLOSED IN PERIOD MIN: 120 (G) 1644  
FINAL HYDROSTATIC PRESSURE (H) 2183

ORIGINAL

15-199-20192-00-0

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
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COMPANY : MEDALLION PETROLEUM INC.  
RIG : WALLACE-KANSAS  
FIELD : ARMSTRONG  
WELL : 5-1  
DATE : 5-22-90  
GAUGE NO : 4376

OPERATIONAL COMMENTS

RW= .38 @ 66 DEGREES F.  
SLIGHT PLUGGING ON 1ST FLOW.

CASUAL

COMPANY : MEDALLION PETROLEUM INC.  
 WELL : 5-1  
 GAUGE # : 4376  
 DATE : 22/ 5/90

FIELD : ARMSTRONG  
 JOB # : 16191  
 DEPTH : 4679  
 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	1:15: 0	0.000	731.000	131.00	0.000
3	1:19:59	0.083	747.000	131.00	16.000
4	1:25: 0	0.167	785.000	131.00	38.000
5	1:30: 0	0.250	831.000	131.00	46.000
6	1:34:59	0.333	876.000	131.00	45.000
7	1:40: 0	0.417	927.000	131.00	51.000
INITIAL SHUT-IN PERIOD					
8	1:43: 0	0.467	1312.000	131.00	385.000
9	1:46: 0	0.517	1455.000	131.00	143.000
10	1:49: 0	0.567	1538.000	131.00	83.000
11	1:52: 0	0.617	1590.000	131.00	52.000
12	1:55: 0	0.667	1627.000	131.00	37.000
13	1:58: 0	0.717	1654.000	131.00	27.000
14	2: 1: 0	0.767	1675.000	131.00	21.000
15	2: 4: 0	0.817	1696.000	131.00	21.000
16	2: 7: 0	0.867	1710.000	131.00	14.000
17	2:10: 0	0.917	1724.000	131.00	14.000
18	2:13: 0	0.967	1737.000	131.00	13.000
19	2:16: 0	1.017	1748.000	131.00	11.000
20	2:19: 0	1.067	1756.000	131.00	8.000
21	2:22: 0	1.117	1763.000	131.00	7.000
22	2:25: 0	1.167	1770.000	131.00	7.000
23	2:28: 0	1.217	1777.000	131.00	7.000
24	2:31: 0	1.267	1783.000	131.00	6.000
25	2:34: 0	1.317	1786.000	131.00	3.000
26	2:37: 0	1.367	1791.000	131.00	5.000
27	2:40: 0	1.417	1797.000	131.00	6.000
FINAL FLOW PERIOD					
28	2:41: 0	1.433	1009.000	131.00	-788.000
29	2:45: 0	1.500	1009.000	131.00	0.000
30	2:50: 0	1.583	1028.000	131.00	19.000
31	2:55: 0	1.667	1053.000	131.00	25.000
32	3: 0: 0	1.750	1072.000	131.00	19.000
33	3: 5: 0	1.833	1088.000	131.00	16.000
34	3:10: 0	1.917	1103.000	131.00	15.000
35	3:15: 0	2.000	1118.000	131.00	15.000
36	3:20: 0	2.083	1132.000	131.00	14.000
37	3:25: 0	2.167	1140.000	131.00	8.000
38	3:30: 0	2.250	1148.000	131.00	8.000
39	3:35: 0	2.333	1154.000	131.00	6.000
40	3:40: 0	2.417	1160.000	131.00	6.000
FINAL SHUT-IN PERIOD					
41	3:43: 0	2.467	1222.000	131.00	62.000
42	3:46: 0	2.517	1266.000	131.00	44.000
43	3:49: 0	2.567	1311.000	131.00	45.000
44	3:52: 0	2.617	1345.000	131.00	34.000
45	3:55: 0	2.667	1372.000	131.00	27.000
46	3:58: 0	2.717	1397.000	131.00	25.000
47	4: 1: 0	2.767	1418.000	131.00	21.000
48	4: 4: 0	2.817	1435.000	131.00	17.000



15-199-20192-00-00

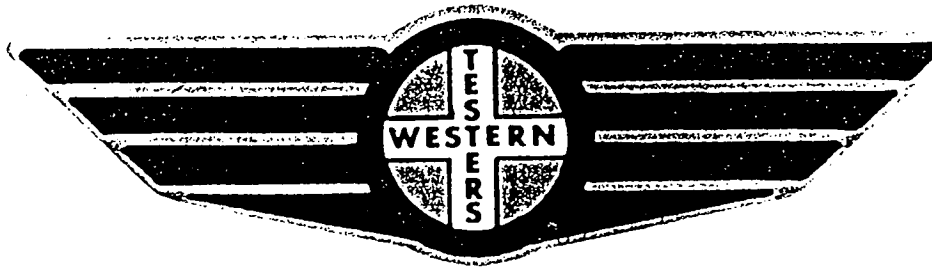
COMPANY : MEDALLION PETROLEUM INC. FIELD : ARMSTRONG  
 WELL : 5-1 JOB # : 16191  
 GAUGE # : 4376 DEPTH : 4679  
 DATE : 22/ 5/90 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	4: 7: 0	2.867	1452.000	131.00	17.000
50	4:10: 0	2.917	1470.000	131.00	18.000
51	4:13: 0	2.967	1482.000	131.00	12.000
52	4:16: 0	3.017	1493.000	131.00	11.000
53	4:19: 0	3.067	1503.000	131.00	10.000
54	4:22: 0	3.117	1514.000	131.00	11.000
55	4:25: 0	3.167	1522.000	131.00	8.000
56	4:28: 0	3.217	1532.000	131.00	10.000
57	4:31: 0	3.267	1540.000	131.00	8.000
58	4:34: 0	3.317	1547.000	131.00	7.000
59	4:37: 0	3.367	1554.000	131.00	7.000
60	4:40: 0	3.417	1563.000	131.00	9.000
61	4:43: 0	3.467	1569.000	131.00	6.000
62	4:46: 0	3.517	1574.000	131.00	5.000
63	4:49: 0	3.567	1581.000	131.00	7.000
64	4:52: 0	3.617	1586.000	131.00	5.000
65	4:55: 0	3.667	1591.000	131.00	5.000
66	4:58: 0	3.717	1597.000	131.00	6.000
67	5: 1: 0	3.767	1603.000	131.00	6.000
68	5: 4: 0	3.817	1607.000	131.00	4.000
69	5: 7: 0	3.867	1611.000	131.00	4.000
70	5:10: 0	3.917	1614.000	131.00	3.000
71	5:13: 0	3.967	1619.000	131.00	5.000
72	5:16: 0	4.017	1621.000	131.00	2.000
73	5:19: 0	4.067	1624.000	131.00	3.000
74	5:22: 0	4.117	1627.000	131.00	3.000
75	5:25: 0	4.167	1631.000	131.00	4.000
76	5:28: 0	4.217	1634.000	131.00	3.000
77	5:31: 0	4.267	1637.000	131.00	3.000
78	5:34: 0	4.317	1640.000	131.00	3.000
79	5:37: 0	4.367	1642.000	131.00	2.000
80	5:40: 0	4.417	1644.000	131.00	2.000

WESTERN TESTING CO. INC.

C. W. B. W. L.

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

15-199-20192-00-00

CRISMAN

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE	:	5-23-90	TICKET	:	16193
CUSTOMER	:	MEDALLION PETROLEUM INC.	LEASE	:	ARMSTRONG
WELL	:	#5-1 TEST: 2	GEOLOGIST	:	BASSETT
ELEVATION	:	3317 K.B.	FORMATION	:	MORROW
SECTION	:	5	TOWNSHIP	:	12S
RANGE	:	38W	STATE	:	KANSAS
GAUGE SN#	:	4376	CLOCK	:	12
		COUNTY :	WALLACE		
		RANGE :	4000		

INTERVAL FROM	:	4675	TO	:	4686	TOTAL DEPTH	:	4686
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4670	SIZE	:	6.75			
PACKER DEPTH	:	4675	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	MURFIN DRL. RIG #20			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	46
WEIGHT	:	9.1	WATER LOSS (CC)	:	8.6
CHLORIDES (PPM)	:	2200			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	406
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	545	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	349	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3757	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	24	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	11	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 WEAK BLOW BUILDING TO BOTTOM OF  
 BLOW COMMENT #2 : BUCKET IN 7 MIN.- 17" @ END.  
 BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW BUILDING TO BOTTOM OF  
 BLOW COMMENT #4 : BUCKET IN 4 MIN.-17" @ END.

ORIGINAL

15-199-20192-00-00

RECOVERED : 2938 FT OF: OIL-CUT WATERY MUD  
 RECOVERED : 0 FT OF: 5%OIL 15%WATER 80%MUD  
 RECOVERED : 0 FT OF: CHLORIDES 17000 P.P.M.

Total Barrels Fluid = 8.03  
 Total Fluid Prod Rate = 165.25 BFPD  
 Indicated Oil Rate = 8.27 BOPD  
 Indicated Wtr Rate = 38.01 BWPD  
 Corrected Oil Rate = 188.97 BOPD  
 Corrected Wtr Rate = 868.69 BWPD

REMARK 1 :  
 REMARK 2 : SLID 7' TO BOTTOM AS TOOL OPENED-LOST MUD IN HOLE DURING F.F.P.  
 REMARK 3 : ABORTED TEST. RW= .3 @ 72 DEGREES F.. LOST PACKER SEAT PART-  
 REMARK 4 : TIME DURING I.S.I.P. AND 30 MINUTES INTO F.F.P.

SET PACKER(S) : 7:15 P.M. TIME STARTED OFF BOTTOM : 9:25 P.M.  
 WELL TEMPERATURE : 131  
 INITIAL HYDROSTATIC PRESSURE (A) 2229  
 INITIAL FLOW PERIOD MIN: 30 (B) 36 PSI TO (C) : 634  
 INITIAL CLOSED IN PERIOD MIN: 63 (D) 1967  
 FINAL FLOW PERIOD MIN: 40 (E) 671 PSI TO (F) : 1295  
 FINAL CLOSED IN PERIOD MIN: 0 (G) 0  
 FINAL HYDROSTATIC PRESSURE (H) 2219

COPY 15-199-20192-0000

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : MEDALLION PETROLEUM INC.  
RIG : WALLACE-KANSAS  
FIELD : ARMSTRONG  
WELL : #5-1  
DATE : 5-23-90  
GAUGE NO : 4376

OPERATIONAL COMMENTS

SLID 7' TO BOTTOM AS TOOL OPENED-LOST MUD IN HOLE DURING F.F.P.  
ABORTED TEST. RW= .3 @ 72 DEGREES F.. LOST PACKER SEAT PART-  
TIME DURING I.S.I.P. AND 30 MINUTES INTO F.F.P.

COMPANY : MEDALLION PETROLEUM INC.  
 WELL : #5-1  
 GAUGE # : 4376  
 DATE : 23/ 5/90

FIELD : ARMSTRONG  
 JOB # : 16193  
 DEPTH : 4686  
 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	7:15: 0	0.000	36.000	131.00	0.000
3	7:19:59	0.083	292.000	131.00	256.000
4	7:25: 0	0.167	358.000	131.00	66.000
5	7:30: 0	0.250	442.000	131.00	84.000
6	7:34:59	0.333	511.000	131.00	69.000
7	7:40: 0	0.417	586.000	131.00	75.000
8	7:45: 0	0.500	634.000	131.00	48.000
INITIAL SHUT-IN PERIOD					
9	7:48: 0	0.550	1390.000	131.00	756.000
10	7:51: 0	0.600	1826.000	131.00	436.000
11	7:54: 0	0.650	2115.000	131.00	289.000
12	7:57: 0	0.700	2011.000	131.00	-104.000
13	8: 0: 0	0.750	2025.000	131.00	14.000
14	8: 3: 0	0.800	1912.000	131.00	-113.000
15	8: 6: 0	0.850	1918.000	131.00	6.000
16	8: 9: 0	0.900	1775.000	131.00	-143.000
17	8:12: 0	0.950	1855.000	131.00	80.000
18	8:15: 0	1.000	1437.000	131.00	-418.000
19	8:18: 0	1.050	1368.000	131.00	-69.000
20	8:21: 0	1.100	1957.000	131.00	589.000
21	8:24: 0	1.150	2015.000	131.00	58.000
22	8:27: 0	1.200	1914.000	131.00	-101.000
23	8:30: 0	1.250	2072.000	131.00	158.000
24	8:33: 0	1.300	1881.000	131.00	-191.000
25	8:36: 0	1.350	1953.000	131.00	72.000
26	8:39: 0	1.400	1904.000	131.00	-49.000
27	8:42: 0	1.450	1997.000	131.00	93.000
28	8:45: 0	1.500	1931.000	131.00	-66.000
29	8:48: 0	1.550	1967.000	131.00	36.000
FINAL FLOW PERIOD					
30	8:49: 0	1.567	671.000	131.00	-1296.000
31	8:52:59	1.633	741.000	131.00	70.000
32	8:58: 0	1.717	874.000	131.00	133.000
33	9: 3: 0	1.800	919.000	131.00	45.000
34	9: 7:59	1.883	1048.000	131.00	129.000
35	9:13: 0	1.967	1135.000	131.00	87.000
36	9:18: 0	2.050	1254.000	131.00	119.000
37	9:22:59	2.133	1459.000	131.00	205.000
38	9:28: 0	2.217	1295.000	131.00	-164.000

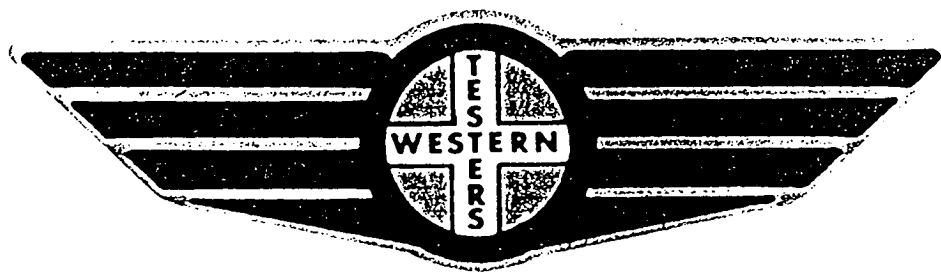
WESTERN TESTING CO. INC.

ORIGINAL

15-199-20192-00-00

COMPANY MEDALLION PETROLEUM, INC. LEASE & WELL NO. ARMSTRONG #5-1 SEC. 5 TWP. 12S RGE. 28W TEST NO. 3 DATE 5/26/90

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE	:	5-26-90	TICKET	:	16194
CUSTOMER	:	MEDALLION PETROLEUM INC.	LEASE	:	ARMSTRONG
WELL	:	#5-1 TEST: 3	GEOLOGIST	:	FINNESY
ELEVATION	:	3307 GL	FORMATION	:	MORROW
SECTION	:	5	TOWNSHIP	:	12S
RANGE	:	38W	COUNTY	:	WALLACE
GAUGE SN#	:	4376	RANGE	:	4000
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4646	TO	:	4853	TOTAL DEPTH	:	4853
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4641	SIZE	:	6.75			
PACKER DEPTH	:	4646	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	MURFIN RIG #20			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	62
WEIGHT	:	9.1	WATER LOSS (CC)	:	10.8
CHLORIDES (PPM)	:	4800			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	406
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	365	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	287	FT	I.D. inch	:	3.20
DRILL PIPE LENGTH	:	3966	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	28	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	207	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 : BOTTOM OF BUCKET IN 1 MINUTE.  
 BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG BLOW.  
 BLOW COMMENT #4 : BOTTOM OF BUCKET IN 5 MINUTES.



ORIGINAL

RECOVERED : 240 FT OF: MUD  
 RECOVERED : 1220 FT OF: WATER  
 RECOVERED : 0 FT OF: RW= .25 AT 59 DEGREES  
 RECOVERED : 0 FT OF: CHLORIDES 25000 P.P.M.  
 RECOVERED : 0 FT OF: 0

Total Barrels Fluid = 5.37  
 Total Fluid Prod Rate = 90.97 BFPD  
 Indicated Wtr Rate = 77.51 BWPD

REMARK 1 :  
 REMARK 2 : RW PIT MUD= 1.0 AT 59 DEGREES  
 REMARK 3 :  
 REMARK 4 :

TIME STARTED OFF BOTTOM : 5:30 A.M.

SET PACKER(S) : 1:00 A.M.

WELL TEMPERATURE : 129

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 55

FINAL CLOSED IN PERIOD MIN: 120

FINAL HYDROSTATIC PRESSURE

(A) 2244

(B) 220

(D) 1615

(E) 579

(G) 1148

(H) 2193

PSI TO (C) : 530

PSI TO (F) : 783

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
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COMPANY : MEDALLION PETROLEUM INC.  
RIG : WALLACE-KANSAS  
FIELD : ARMSTRONG  
WELL : #5-1  
DATE : 5-26-90  
GAUGE NO : 4376

OPERATIONAL COMMENTS

RW PIT MUD= 1.0 AT 59 DEGREES

COMPANY : MEDALLION PETROLEUM INC. **ORIG** FIELD : ARMSTRONG  
 WELL : #5-1 JOB # : 16194  
 GAUGE # : 4376 DEPTH : 4853  
 DATE : 26/ 5/90 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	1: 0: 0	0.000	220.000	129.00	0.000
3	1: 4:59	0.083	401.000	129.00	181.000
4	1:10: 0	0.167	424.000	129.00	23.000
5	1:15: 0	0.250	464.000	129.00	40.000
6	1:19:59	0.333	482.000	129.00	18.000
7	1:25: 0	0.417	509.000	129.00	27.000
8	1:30: 0	0.500	530.000	129.00	21.000
INITIAL SHUT-IN PERIOD					
9	1:33: 0	0.550	1119.000	129.00	589.000
10	1:36: 0	0.600	1164.000	129.00	45.000
11	1:39: 0	0.650	1209.000	129.00	45.000
12	1:42: 0	0.700	1247.000	129.00	38.000
13	1:45: 0	0.750	1296.000	129.00	49.000
14	1:48: 0	0.800	1336.000	129.00	40.000
15	1:51: 0	0.850	1377.000	129.00	41.000
16	1:54: 0	0.900	1416.000	129.00	39.000
17	1:57: 0	0.950	1451.000	129.00	35.000
18	2: 0: 0	1.000	1485.000	129.00	34.000
19	2: 2:59	1.050	1510.000	129.00	25.000
20	2: 6: 0	1.100	1530.000	129.00	20.000
21	2: 9: 0	1.150	1547.000	129.00	17.000
22	2:12: 0	1.200	1563.000	129.00	16.000
23	2:15: 0	1.250	1576.000	129.00	13.000
24	2:18: 0	1.300	1587.000	129.00	11.000
25	2:21: 0	1.350	1597.000	129.00	10.000
26	2:24: 0	1.400	1607.000	129.00	10.000
27	2:27: 0	1.450	1611.000	129.00	4.000
28	2:30: 0	1.500	1615.000	129.00	4.000
FINAL FLOW PERIOD					
29	2:31: 0	1.517	579.000	129.00	-1036.000
30	2:34:59	1.583	580.000	129.00	1.000
31	2:40: 0	1.667	597.000	129.00	17.000
32	2:45: 0	1.750	619.000	129.00	22.000
33	2:49:59	1.833	641.000	129.00	22.000
34	2:55: 0	1.917	665.000	129.00	24.000
35	3: 0: 0	2.000	688.000	129.00	23.000
36	3: 4:59	2.083	708.000	129.00	20.000
37	3:10: 0	2.167	728.000	129.00	20.000
38	3:15: 0	2.250	747.000	129.00	19.000
39	3:19:59	2.333	764.000	129.00	17.000
40	3:25: 0	2.417	783.000	129.00	19.000
FINAL SHUT-IN PERIOD					
41	3:28: 0	2.467	1036.000	129.00	253.000
42	3:31: 0	2.517	1087.000	129.00	51.000
43	3:34: 0	2.567	1102.000	129.00	15.000
44	3:37: 0	2.617	1112.000	129.00	10.000
45	3:40: 0	2.667	1114.000	129.00	2.000
46	3:43: 0	2.717	1117.000	129.00	3.000
47	3:46: 0	2.767	1120.000	129.00	3.000
48	3:49: 0	2.817	1123.000	129.00	3.000

15-199-20192-00-00

ORIGINAL

COMPANY : MEDALLION PETROLEUM INC.  
WELL : #5-1  
GAUGE # : 4376  
DATE : 26/ 5/90

FIELD : ARMSTRONG  
JOB # : 16194  
DEPTH : 4853  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	3:52: 0	2.867	1126.000	129.00	3.000
50	3:55: 0	2.917	1128.000	129.00	2.000
51	3:58: 0	2.967	1130.000	129.00	2.000
52	4: 1: 0	3.017	1132.000	129.00	2.000
53	4: 4: 0	3.067	1132.000	129.00	0.000
54	4: 7: 0	3.117	1132.000	129.00	0.000
55	4:10: 0	3.167	1132.000	129.00	0.000
56	4:13: 0	3.217	1133.000	129.00	1.000
57	4:16: 0	3.267	1133.000	129.00	0.000
58	4:19: 0	3.317	1133.000	129.00	0.000
59	4:22: 0	3.367	1133.000	129.00	0.000
60	4:25: 0	3.417	1133.000	129.00	0.000
61	4:28: 0	3.467	1134.000	129.00	1.000
62	4:31: 0	3.517	1134.000	129.00	0.000
63	4:34: 0	3.567	1135.000	129.00	1.000
64	4:37: 0	3.617	1135.000	129.00	0.000
65	4:40: 0	3.667	1135.000	129.00	0.000
66	4:43: 0	3.717	1136.000	129.00	1.000
67	4:46: 0	3.767	1137.000	129.00	1.000
68	4:49: 0	3.817	1138.000	129.00	1.000
69	4:52: 0	3.867	1139.000	129.00	1.000
70	4:55: 0	3.917	1139.000	129.00	0.000
71	4:58: 0	3.967	1139.000	129.00	0.000
72	5: 1: 0	4.017	1139.000	129.00	0.000
73	5: 4: 0	4.067	1140.000	129.00	1.000
74	5: 7: 0	4.117	1140.000	129.00	0.000
75	5:10: 0	4.167	1142.000	129.00	2.000
76	5:13: 0	4.217	1144.000	129.00	2.000
77	5:16: 0	4.267	1146.000	129.00	2.000
78	5:19: 0	4.317	1148.000	129.00	2.000
79	5:22: 0	4.367	1148.000	129.00	0.000
80	5:25: 0	4.417	1148.000	129.00	0.000

WESTERN TESTING CO. INC.