

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

Operator: License # 5184 **ORIGINAL**

Name: Shields Oil Producers, Inc

Address Shields Bldg.

City/State/Zip Russell, KS 67665

Purchaser: None

Operator Contact Person: Burton Beery

Phone (785) 483-3141

Contractor: Name: Company Tools

License: 5184

Wellsite Geologist: Francis Whisler

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-16-97 10-24-97 None
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,789-0000

County Graham

C - SE - NE - SE Sec. 26 Twp. 10 Rge. 24 X E W

1650 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name Cochran Well # 1

Field Name Dorman West

Producing Formation None

Elevation: Ground 2345 KB 2350

Total Depth 3935 PBDT None

Amount of Surface Pipe Set and Cemented at 217 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 cnt.

Drilling Fluid Management Plan DFA, 4-13-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 41,000ppm Fluid volume 390 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:
Nov 6, 1997

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 Burton Beery

Title Superintendent Date 11-5-97

Subscribed and sworn to before me this 5th day of November, 19 97.

Notary Public Bush Phillips

Date Commission Expires _____



K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

Operator Name Shields Oil Producers, Inc. Lease Name Cochran Well # 1

Sec. 26 Twp. 10 Rge. 24 East West County Graham

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:

Name	Top	Datum
Anhydrite	1961	+ 389
Topeka Lime	3447	-1097
Heebner Shale	3666	-1316
Toronto Lime	3684	-1334
Lansing-Kansas City	3704	-1354
Base Kansas City	3935	-1585
Total Depth	3935	-1585

CASING RECORD <input 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 1/4	8 5/8	23	217	60-40 Poz Mix	175	2% Gel 3% C.C.

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. D+A Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas: Vented Sold U. on Lease (If vented, submit A)

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

Production Interval _____

Shields

ORIGINAL

15-065-22789-0000

OIL PRODUCERS, INC.

R. L. SHIELDS, President



Russell, Kansas

FORM ACO-1 DRILL STEM TESTS

SHIELDS OIL PRODUCERS, INC. LEASE Cochran #1
D.S.T. #1 3725-3760 Times: 30-60-30-60
I.H.P. 1826 **I.F.P.** 40-57 **I.S.I.P.** 529
F.F.P. 65-73 **F.S.I.P.** 505 **F.H.P.** 1815
Recovery: 15' Clean Oil - 60' Watery Mud

D.S.T. #2 3765-3790 Times: 30-60
I.H.P. 1874 **I.F.P.** 32 **I.S.I.P.** _____
F.F.P. 32 **F.S.I.P.** 448 **F.H.P.** 1860
Recovery: 10' Mud with few specks of oil

D.S.T. #3 3794-3810 Times: 30-60-30-60
I.H.P. 1882 **I.F.P.** 25-42 **I.S.I.P.** 672
F.F.P. 67-75 **F.S.I.P.** 647 **F.H.P.** 1870
Recovery: 40' Muddy water

D.S.T. #4 3825-3870 Times: 30-60-30-60
I.H.P. 1912 **I.F.P.** 45-65 **I.S.I.P.** 891
F.F.P. 73-89 **F.S.I.P.** 690 **F.H.P.** 1899
Recovery: 100' Muddy Water

D.S.T. #5 _____ Times: _____
I.H.P. _____ **I.F.P.** _____ **I.S.I.P.** _____
F.F.P. _____ **F.S.I.P.** _____ **F.H.P.** _____
Recovery: _____

D.S.T. #6 _____ Times: _____
I.H.P. _____ **I.F.P.** _____ **I.S.I.P.** _____
F.F.P. _____ **F.S.I.P.** _____ **F.H.P.** _____
Recovery: _____

ALLIED CEMENTING CO., INC. 8565

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Oakley

DATE <u>10-24-97</u>	SEC <u>26</u>	TWP <u>10S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>7:30 PM</u>	JOB START <u>8:00 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>Cochran</u>	WELL # <u>1</u>	LOCATION <u>Wakheey N 70 Rd 422 3N 6W 15 E</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Shields Drig Rig 2 OWNER Same

TYPE OF JOB PTA

HOLE SIZE	T.D.	CEMENT
CASING SIZE	DEPTH	AMOUNT ORDERED <u>200 SKS 60/40 per</u>
TUBING SIZE	DEPTH	<u>670 Gel 4 1/2 Flo Seal</u>
DRILL PIPE	DEPTH <u>2000'</u>	
TOOL	DEPTH	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT	

CEMENT LEFT IN CSG.	COMMON <u>120 SKS</u>	@ <u>635</u>	<u>762 00</u>
PERFS.	POZMIX <u>80 SKS</u>	@ <u>325</u>	<u>260 00</u>
DISPLACEMENT	GEL <u>10 SKS</u>	@ <u>950</u>	<u>95 00</u>
	CHLORIDE	@	
	<u>Flo-Seal 50#</u>	@ <u>115</u>	<u>57 50</u>

EQUIPMENT			
PUMP TRUCK # <u>191</u>	CEMENTER <u>Dean</u>		
	HELPER		
BULK TRUCK # <u>212</u>	DRIVER <u>Lonnie</u>	HANDLING <u>200 SKS</u>	@ <u>105</u> <u>210 00</u>
BULK TRUCK #	DRIVER	MILEAGE <u>44 per sk/mile</u>	<u>400 00</u>
		TOTAL	<u>1,784 50</u>

REMARKS:	SERVICE	
<u>1st Plug at 2000' w/ 25 SKS</u>	DEPTH OF JOB <u>2000'</u>	
<u>2nd Plug at 1125 w/ 100 SKS</u>	PUMP TRUCK CHARGE <u>580 00</u>	
<u>3rd Plug at 275 w/ 40 SKS</u>	EXTRA FOOTAGE @	
<u>10 SKS at 40'</u>	MILEAGE <u>50 miles</u>	@ <u>2 82</u> <u>142 80</u>
<u>10 SKS in mousehole</u>	PLUG <u>Dry Hole</u>	@ <u>23 00</u>
<u>15 SKS in Rat Hole</u>		@
<u>Thank You</u>		@
	TOTAL	<u>745 50</u>

CHARGE TO: Shield Oil Producers
STREET: Shields Bldg.
CITY: Russell STATE: Kansas ZIP: 67665

To Allied Cementing Co., Inc.		FLOAT EQUIPMENT
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.		TOTAL

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Dana Granly Dana Granly
PRINTED NAME

15-065-22789

COMPANY Shields Oil Producers FARM Cochran WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Graham STATE MS
 CONTRACTOR Company Tools SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 14

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	11:14		
01	16	2	
	18	2	
	20	2	
	24	4	
05	30	6	
	35	5	
	40	5	
	45	5	
	49	4	
3410	53	4	
	57	4	
	12:01	4	
	03	2	CONN
	14	3	
15	17	3	
	21	4	
	25	4	
	30	5	
	35	5	
3420	40	5	
	44	4	
	49	5	
	54	5	
	58	4	
25	1:01	3	Top Topoka
	03	2	
	05	2	
	08	3	
	10	2	
3430	12	2	
	14	2	
	17	3	
	19	2	
	21	2	
35	23	2	
	25	2	
	28	3	
	34	4	
	38	4	
3440	41	3	
	44	3	
	48	4	
	52	4	CONN.
	58	4	
45	2:03	4	
	07	4	
	10	3	
	14	4	
	17	3	
3450	20	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3450	20		
51	23	3	
	28	5	
	33	5	
	38	5	
55	42	4	
	46	4	
	51	5	
	56	5	
	3:01	5	
3460	08	7	
	13	5	
	17	4	
	22	5	
	27	5	
65	31	4	
	37	6	
	42	5	
	47	5	
	50	3	
3470	54	4	
	59	5	
	4:04	5	
	08	4	
	13	5	CONN.
75	2:09	4	
	28	4	Vis-45
	32	4	WT. 9°
	37	5	
	42	5	
3480	45	3	
	47	2	
	49	2	
	50	1	
	57	1	
85	53	2	
	55	2	
	56	1	
	59	3	
	5:00	1	
3490	02	2	
	04	2	
	07	3	
	13	6	
	18	5	
95	23	5	
	28	5	
	33	5	
	38	5	
	43	5	
3500	48	5	

COMPANY Shields Oil Prod FARM Cochran WELL NO. 1
 SEC. TWP. .RGE. LOC. COUNTY Graham STATE KS
 CONTRACTOR Shields Drllg Co SIZE HOLE 2 7/8 DRILL PIPE 4 1/2
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 144

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	48	4	
	52	4	
	56	7	
	6:00	4	
	02	2	
05	04	2	CONN.
	07	2	
	12	1	
	13	1	
	16	3	
10	19	3	
	24	5	
	29	5	
	33	4	
	35	2	
15	37	2	
	39	2	
	42	3	
	44	2	
	45	1	
20	46	1	
	49	3	
	51	2	
	54	3	
	56	2	
25	59	3	
	70	3	
	8	5	
	12	4	
	15	3	
30	20	5	
	25	5	
	30	5	
	35	5	
	38	3	
35	40	2	CONN.
	50	3	
	57	4	
	50	4	
	5	4	
40	10	5	
	14	4	
	17	3	
	20	3	
	22	2	
45	23	1	
	26	3	
	31	5	
	37	4	
	42	5	
50	47	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	847	5	
	52	5	
	55	3	
	9:00	5	
	04	4	
55	09	5	
	13	4	
	16	3	
	20	4	
	24	4	
60	29	5	
	32	3	
	35	3	
	38	3	
	41	3	
65	43	2	
	46	3	
	53	3	CONN.
	10:01	4	
	6	4	
70	11	5	
	16	5	
	19	3	
	20	1	
	24	1	
75	22	1	
	23	1	
	25	2	25
	29	4	29
	33	4	
80	36	3	
	38	2	
	39	1	
	40	1	
	41	1	
85	42	1	
	44	2	
	46	2	
	49	3	
	58	3	
90	56	4	
	11:02	6	
	06	4	
	11	5	
	16	5	
95	21	5	
	25	4	
	31	4	CONN.
	39	4	
	42	3	
3600	46	4	

COMPANY Shields Oil Prod FARM Cochran WELL NO. 1
 SEC. TWP. RGE. LOC. COUNTY Araham STATE Ks
 CONTRACTOR shields Dring SIZE HOLE 7 1/8 DRILL PIPE 4 1/2
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3600	11:45		
	50	4	
	54	4	
	58	4	
	1200	4	
5	3	3	
	67	4	
	11	4	
	13	2	
	16	3	
3610	19	3	
	24	5	
	27	3	
	29	2	
	31	2	
15	32	1	
	33	1	
	35	2	
	36	1	
	38	2	
3620	39	1	
	41	2	
	42	1	
	43	1	
	45	2	
20	47	3	
	52	4	
	56	4	conn
	100	3	
	6	2	
3630	8	2	
	11	3	
	13	2	
	16	3	
	19	3	
30	21	2	
	22	1	
	23	1	
	24	1	
	26	2	
3640	29	3	
	33	4	
	37	4	
	40	3	
	41	1	
46	43	2	
	45	2	
	47	2	
	48	1	
	49	1	
3650	50	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3650	50		
	51	1	
	52	1	
	53	1	
	54	1	
55	55	1	
	57	2	
	200	3	conn
	58	10	2
	13	3	
3660	16	3	
	19	3	
	22	3	
	25	3	
	28	3	
65	31	3	WT 9.1 3666
	35	4	vis 45 2550
	37	2	1316
	39	2	
	41	3	
3670	46	4	
	51	5	
	56	5	
	3:01	5	
	06	5	
75	10	4	
	13	3	
	18	5	
	22	4	
	25	3	
3680	28	3	
	35	5	
	38	5	
	43	5	
	48	5	
95	52	4	
	56	4	
	4:00	4	
	03	3	conn. Ser Rig
	13	15	2
3690	19	4	
	24	5	
	29	5	
	35	6	
	40	5	
95	45	5	
	50	5	
	55	5	
	5:01	6	
	05	5	
3700	10	5	

COMPANY Shields Oil Producers FARM Cochran WELL NO. 1
 SEC. TWP. .RGE. LOC. COUNTY Graham STATE MS.
 CONTRACTOR C. tools SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3700	5:10		
01	15	5	
	20	5	
	25	5	
	30	5	
05	34	4	
	38	4	
	41	3	
	45	4	
	50	5	
3710	55	5	
	6:01	6	
	06	5	
	12	6	
	18	6	
15	24	6	
	29	5	
	34	5	
	40	6	
	45	5	conn.
3720	49 54	5	
	59	5	
	7:04	5	Vis 46 WT 9.2
	09	5	W1, 9.2 Lcm Trace
	14	5	
25	19	5	
	24	5	
	29	5	
	34	5	
	39	5	
3730	44	5	
	47	3	
	50	3	
	54	4	
	59	5	
35	8:03	4	
	07	4	
	10	3	
	15	5	
	20	5	
3740	26	6	
	31	5	
	36	5	
	40	4	
	43	3	
45	46	3	
	50	4	
	54	4	CFS
	43 47	4	
	51	4	conn.
3750	55 59	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3750	9:59 10:05	6	
51	10	5	
	15	5	
	21	6	
55	26	5	
	31	5	
	36	5	
	42	6	
	47	5	
3760	52	5	CFS DST #1
	21 26	5	35' Anchor
	31	5	
	35	4	
	40	5	
65	44	4	
	48	4	
	52	4	
	56	4	
	12:00	4	
3770	04	4	
	09	5	
	15	6	
	20	5	
	25	5	
75	29	4	
	33	4	
	36	3	
	38	3	
	42	4	
3780	45	3	conn.
12	52 54	4	
	59	3	
	10:02	3	
	06	4	
85	10	4	
	13	3	
	17	4	
	20	3	
	24	4	
3790	27	3	CFS
	42 46	3	DST #2 25' Anchor
	50	4	vis 45 WT. 9.3
	56	4	
	12:01	5	
95	06	5	
	10	4	
	13	3	
	15	2	
	17	2	
3800	19	2	

COMPANY Shields Oil FARM Cochran WELL NO. 1
 SEC. TWP. .RGE. LOC. COUNTY Graham STATE Ks
 CONTRACTOR Shields Drilling SIZE HOLE 7 1/8 DRILL PIPE 2 1/2
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14'

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3800	19	2	
	21	2	
	23	2	
	25	2	
	28	3	
05	32	4	
	37	5	
	41	4	
	45	4	
	5.0	5	
3810	5.5	5	STOP
	11/15	4	DST # 3 16' Anchor
	19	4	
	24	5	
	29	5	
15	33	4	
	37	4	
	42	5	
	47	5	
	51	4	
20	56	5	
	12/01	5	
	6	5	
	11	5	
	16	5	
25	21	5	
	25	4	
	29	4	
	33	4	
	37	4	
30	42	5	
	47	5	
	51	4	
	56	5	
	10/2	6	
35	8	6	
	13	5	
	18	5	
	23	5	
	27	4	
40	31	4	
	35	4	
	39	4	
	43	4	conn
	50/52	2	
45	54	2	
	56	2	
	59	3	
	02	3	
	08	6	
50	13	5	CFS

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3800	3:18		
	22	4	
	28	6	
	33	5	
	39	6	
55	44	5	
	50	6	
	55	5	
	4.01	6	
	07	6	
60	12	5	
	17	5	
	24	7	
	31	7	
	38	7	
65	43	5	
	47	4	
	51	4	
	56	5	
	5:02	6	
70	09	7	CFS DST # 4
	2:27	3	45' Anchor
	31	4	Call me on blow
	37	6	913-743-2118
	4:27	5	#114
75	52	5	
	58	6	
	5:05	7	
	11	6	
	17	6	
80	23	6	
	30	7	
	37	7	
	43	6	
	48	5	
85	52	4	
	57	5	
	6:01	4	
	06	5	
	11	5	
90	15	4	wake Cool
	20	5	
	25	5	
	30	5	
	33	3	
95	37	4	
	43	6	
	48	5	
	54	6	
	59	5	
3900	7:05	6	

FRANCIS C. WHISLER
CERTIFIED PETROLEUM GEOLOGIST
837 EAST 1ST
RUSSELL, KANSAS 67665

ORIGINAL



SHIELDS OIL PRODUCERS, INC.
P O BOX 709
RUSSELL, KANSAS

GEOLOGICAL REPORT
COCHRAN No. 1
SE NE SE of Section 26
Twp. 10 South, Rge. 24 West
Graham County, Kansas

15-065-22789

October 27, 1997

SHIELDS OIL PRODUCERS, INC.

P O Box 709
Russell, Kansas

Geological Report: Cochran No. 1
SE NE SE of Sec. 26, T 10 S, R 24 W
Graham County, Kansas

Contractor: Shields Drilling Co., Inc.

Drilling Commenced: Oct. 16, 1997

Drilling Completed: Oct. 24, 1997

Casing Record: 8 5/8" surface casing set 217' with 175 sx
60/40 poz-mix.

Samples: Saved and examined from 3400' to 3935', RTD.
Zones of interest are described in this report.

Drilling Time: Recorded and plotted from 3400' to 3935', RTD.
A copy of the plotted drilling time/lithology
log is included with this report.

Electric Logs: None

Drillstem Tests: 4 by Swift Formation Testers

Elevations: Kelly Bushing: 2350'
Ground Level: 2345'
Measurements From: K. B.

Formations: Rotary Subsea
Depths: Datums:

Anhydrite	1961	+ 389
Topeka Lime	3447	-1097
Heebner Shale	3666	-1316
Toronto Lime	3684	-1334
Lansing-Kansas City	3704	-1354
Base of Kansas City	3935	-1585
Total Depth	3935	-1585

Lithology; Zones of Interest & Test Data:

Toronto Lime:

3684-3690: LS-white, some light gray, dense with slight porosity and asphaltic residue. No value.

Lansing-Kansas City:

3704-3708: LS-white, light gray, dense to slight vuggy with some white chert.
A zone Asphaltic residue and dead oil stain. No value.

3735-3743: LS-white, buff, dense, crystalline and cherty with spotty stain
B zone and trace of porosity. Tested by drillstem test #1.

3745-3750: LS-white, dense to oolitic with fair porosity; scattered oil
C zone stain and faint odor. No free oil. Tested by drillstem test #1.

DRILLSTEM TEST No. 1: 3725 to 3760: 30-60-30-60 with weak blow throughout test.

Recovery: 15' of clean oil
60' of watery mud

IFP: 40-57
IBHP: 529
FFP: 65-73
FBHP: 505

3788-3792: LS-white, chalky with fossil and fine oolitic porosity. Scattered
F zone stain, good odor but no free oil. Slight cherty. Tested by
drillstem test #2.

DRILLSTEM TEST No. 2: 3765 to 3790: 30-60 with weak intermittent blow 1st.
open. No blow 2nd. open.

Recovery: 10' of mud with few specks
of oil

FP: 32-32
BHP: 448

3797-3805: LS-white, dense to fair fossil and some oolitic porosity with
G zone scattered light stain and good odor. Some dark stain. No
free oil. Slight cherty. Tested by drillstem test #3.

Lithology & Test Data, cont...

DRILLSTEM TEST No. 3: 3794 to 3810: 30-60-30-60 with weak steady blow

Recovery:	40' of muddy water
IFP:	25-42
IBHP:	672
FFP:	67-75
FBHP:	647

3843-3848: LS-white, some buff, dense to fair fossil porosity with rare H zone scattered light and dark oil stain and some dead oil stain. No free oil or odor. Tested by drillstem test #4.

3865-3870: LS-white, buff, dense with slight fossil porosity. Rare spotty I zone stain. No free oil or odor. Tested by drillstem test #4.

DRILLSTEM TEST No. 4: 3825 to 3870: 30-60-30-60 with weak steady blow

Recovery:	100' of muddy water
IFP:	45-65
IBHP:	891
FFP:	73-89
FBHP:	690

3884-3890: LS-white, some buff, dense and slight cherty. Trace of dead oil J zone stain. No value.

3900-3910: LS-white, dense and slight vuggy with spotty dead oil stain. No K zone value.

3922-3935: LS-white, buff, and dark gray dense and partly sub oolitic and L zone some vuggy porosity. Spotty dead oil stain. No value.

Remarks & Recommendations:

The following table compares the Cochran #1 with Murfin's Cochran 1-26 and with Murfin (Pratt) Maybelle #4:

	Shields	Murfin	Murfin (Pratt)
	Cochran #1	Cochran 1-26	Maybelle #4
	SE NE SE	SE NW SE	C NW/4
	Sec. 26	Sec. 26	Sec. 25
	(Dry Hole)	(Dry hole)	(Producer)
Anhydrite	+ 389	+ 388	+ 385
Heebner Shale	-1316	-1314	-1313
Lansing-Kansas City	-1354	-1350	-1348

You will note from the foregoing table that the Shields Cochran #1 ran slightly lower, structurally, on top of the LKC when compared to the nearby "show hole" and to the producing well one half mile northeast. The only shows of oil that were considered to be worthy of drillstem testing were the C, F, G and H zones. These zones were tested with negative results.

Because of the negative test results and the low structural position, it was decided that the Cochran #1 should be plugged and abandoned as a dry hole.

Respectfully submitted;



Francis C. Whisler

80

3500

20

40

60

80

3600

20

40

60

HEEBNER
3666 (-1316)

80

TORONTO
3684 (-1334)

3700

LANSING
3704 (-1354)

20

40

LS - wht Gry buff dns
w/ sh - Gry brn & gen

Vis. 45
Wt. 9

LS - wht buff dns
fo uy cky

LS - AA w/ Gry brn sh

LS - wht cky
w/ blk sh

LS - wht some buff
w/ cky w/ foss ϕ

LS - AA & some sucrosic
w/ blk sh

AA

LS - wht buff xln
cky w/ xln ϕ

Vis. 43
Wt. 9.3
Wt. 9.2

sh - blk Carb
w/ LS - AA

sh - Abnt Gry brn
w/ Gry xln dns LS

LS - wht dns xln & sli
sucrosic

LS - wht cky to dns

LS - Gry dns
w/ Gry brn sh

LS - AA w/ wht ckt
some blk Carb sh
w/ wht xln LS

LS - wht lt Gry xln
cky & foss

LS - wht buff dns suc
to cky & sli foss

LS - AA

LS - wht to drty Gry
dns

Vis. 45
Wt. 9.1

sh - blk Carb

sh - blk Gry brn &
some gen

LS - wht some lt Gry xln
w/ sli ϕ ; some Asphaltic
Residue.
some wht dns LS

Abnt wht ckt

LS - wht lt Gry dns to sli
vuggy w/ Asph. Residue
& Dead Oil Str.
w/ dns & cky

LS - w/ wht & dns

Vis. 46
Wt. 9.2
Wt. 9.2

LS - AA

sh - Gry brn & some gen
LS - wht buff dns xln w/ spthy

HIEBNER
3666(-1316)

80
TORONTO
3684(-1334)

3700
LANSING
3704(-1354)

20

40

60

80

3800

20

40

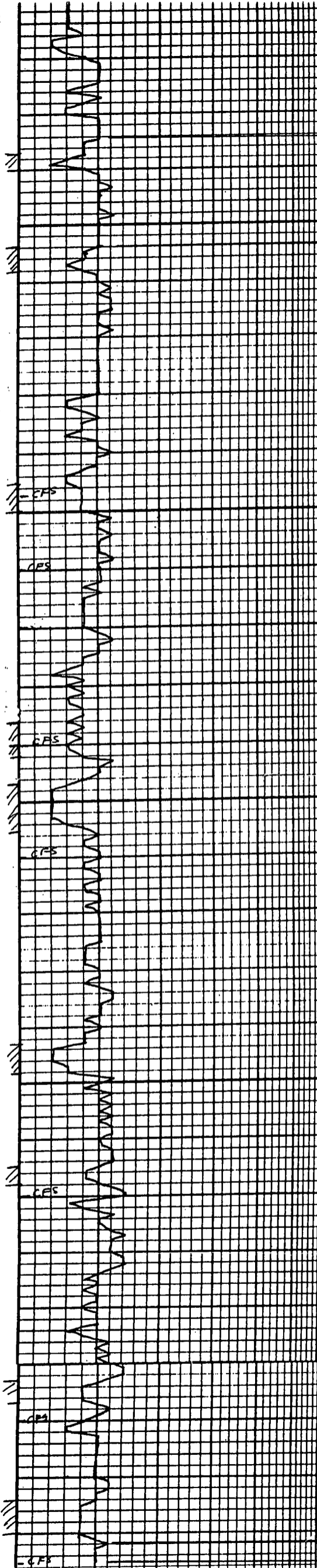
60

80

3900

20

BASE KC



sh - Blk Carb

sh - Blk Gray brn &
some grn

LS - wht some lt Gray xln
w/ sli ϕ ; some Asphaltic
Residue.
some wht drs LS
Abnt wht cht

LS - wht lt Gray drs to sli
vuggy w/ Asph Residue
& Dead Oil Stn.
vy drs & chty
LS - vy wht & drs

LS - AA

sh - Gray brn & some grn
LS - wht buff drs xln w/ sphty
stn. Trace ϕ & some cht

LS - wht drs to oolc w/ fair ϕ
scat'd stn & ff. odor
NFO

LS - wht vy drs

LS - AA w/ some sh

sh - Blk Gray brn & Grn
w/ LS - AA

LS - wht chty w/ foss & fine
ool ϕ ; scat'd lt stn
Good Odor - NFO
some cht

LS - wht lt Gray drs

LS - wht drs to fair foss & some
ool ϕ ; scat'd lt stn w/ good
Odor. some Drk stn
w/ wht blk ch

LS - wht vy drs w/
sh - Blk Gray & brn

sh - blk Carb
w/ LS - Drs wht & gray

Abnt blk Gray & brn shs

LS - wht some buff drs to
fair foss ϕ ; Rare scat'd
lt & Drk stn & some D.O. stn

more drs LS

LS - wht buff drs w/
sli foss ϕ & Rare
sphty stn.

sh - Abnt Rd-brn
& Gray blk

LS - wht some buff drs
w/ Tr. Dead Oil Stn
some chty LS

sh - Blk Carb
w/ Drk Gray brn sh

LS - wht drs w/ sphty drs
w/ sli vug ϕ

sh - Blk, Gray & brn

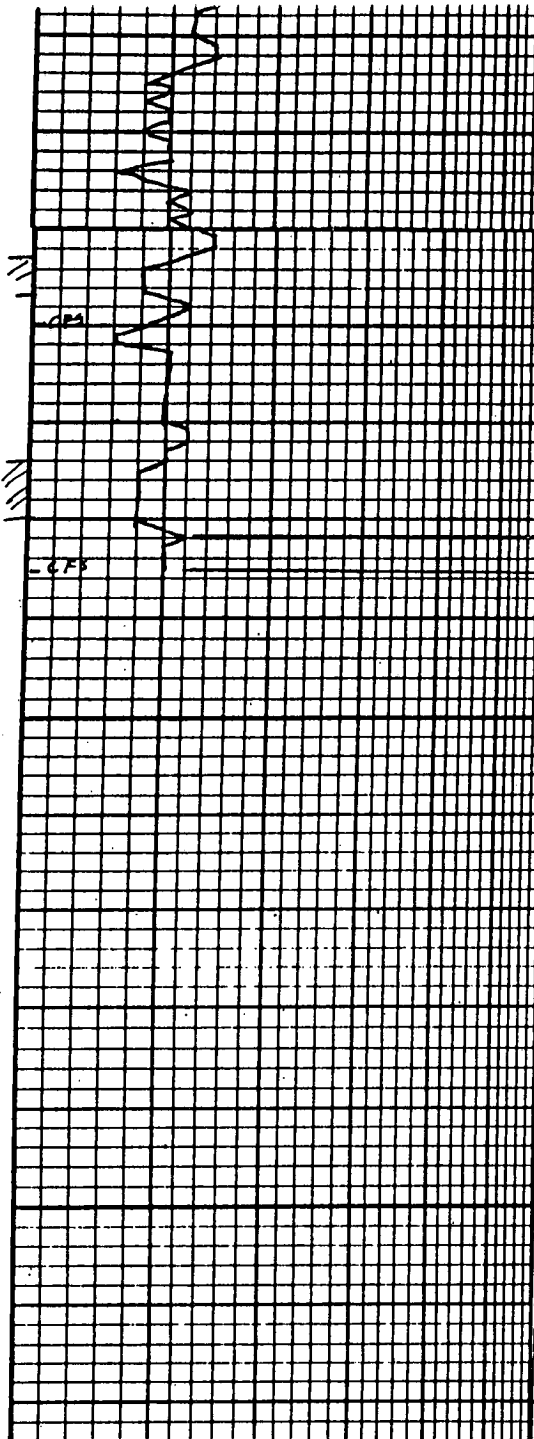
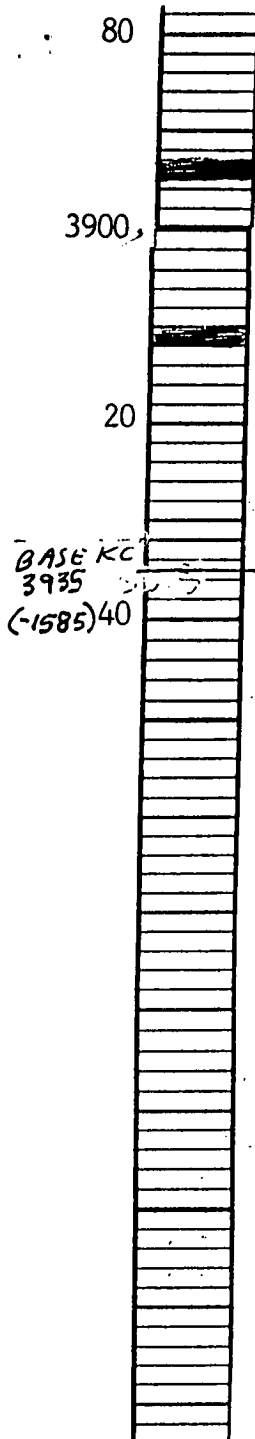
Abnt Rd-brn sh

LS - wht buff drs w/ fair
& some vuggy. Sphty d.o. stn
Abnt Drk Gray drs LS

Vis. 45
wt. 9.1

Vis. 46
wt. 9.2
wt. 9.2

Vis. 45
wt. 9.3



<p>8 G₇ WIK</p> <p>LS - wht some buff dns w/ Tr. Dead Oil Strn some chky LS</p> <p>sh - Blk Carb w/ Dk G₇ brn sh</p> <p>LS - wht dns w/ spotty doston w/ sl: uug @</p> <p>sh - Blk, G₇ & brn</p> <p>Abnt Rd - brn sh</p> <p>LS - wht buff dns pithy subool i some uugy. Spotty d.o. strn</p> <p>Abnt Dk. G₇ dns LS</p> <p>DST #1: 3725-60: 30-60-30-60 Rec. 15' Clean Oil 60' Wtry Mud</p> <p>IFP: 40-57 IBHP: 529 FFP: 65-73 FBHA: 505</p> <p>DST #2: 3765-90: 30-60 Rec. 10' Mud w/ s.o. FP: 32-32</p> <p>BHP: 448</p> <p>DST #3: 3794-3810: 30-60 30-60</p> <p>Rec. 40' MW IFP: 25-42 IBHP: 672</p> <p>FFP: 67-75 FBHP: 647</p> <p>DST #4: 3825-70: 30-60 30-60</p> <p>Rec. 100' MW IFP: 45-65</p> <p>IBHA: 891 FFP: 73-89 FBHP: 690</p>
