

26-11-21W

Computer Inventoried

P.O. BOX 1009 McPHERSON, KANSAS 67460-1009 (316) 241-4640

#### **ACO-1 Completion Form Attachment**

BERNICE #3
Approx. SE NW NE, Sec. 26-11-21W, Trego County, KS
API #15-195-22,138

**DST #1:** 3538'-3600'. Times 30-30-30-30. Weak surface blow died in 15 min. 2nd open - no blow. Rec 20' sltly oil specked mud. Pressures IH 1754, IF 70-46, ISI 778, FF 58-58, FSI 746, FH 1650. BHT 109.

**DST #2:** 3592'-3665'. Times 60-60-60. 1/2" blow building to 4.5". 2nd open - surface blow building to 2". Rec 130' watery mud w/ oil specks (10% wtr, 90% mud); & 120' muddy wtr w/ oil specks (60% wtr, 40% mud). Pressures IH 1744, IF 57-100, ISI 209, FF 120-137, FSI 204, FH 1734. BHT 110.

**DST #3:** 3874'-3895'. Times 30-30-30-30. Very weak surface blow died in 24 min. 2nd open - no blow. Rec 12' clean oil & 3' muddy oil. Pressures IH 1931, IF 2-18, ISI 1119, FF 55-39, FSI 1114, FH 1899. BHT 116.

DST #4: 3892'-3904'. Times 60-60-60. Strong blow bottom of bucket in 3 min. 2nd open - 1/2" blow building to bottom of bucket in 8 min. Rec 340' gassy oil (5% gas, 95% oil); 250' gassy oil & wtr cut mud (5% gas, 45% oil, 45% wtr, 5% mud); & 1230' sltly oil specked muddy wtr (90% wtr, 10% mud). Pressures IH 1957, IF 85-505, ISI 1158, FF 546-746, FSI 1162, FH 909. BHT 123.

MICT: Perf 3942-44' w/8 shots. FU 1400' SW. Set plug @ 3936' & perf 3922-24' w/8 shots. FU 1600' SW. Set plug @ 3916' & perf 3896-98' w/8 shots. Swb dwn & rec 10' oil w/few wtr spots. Overnight FU 200' oil (5% SW). Swb dwn & acidized w/250 gal 15% MCA w/ Penn 88. Rec 112 bbls SW. Squeezed top perf w/100 sx cmt. Perf 3896-97' w/6 shots. Rec 1 cup OCSW. Acidized w/ 250 gal 15% MCA w/Penn 88. Acid did not go. Re-perf 3896-98'. Pmpd in acid. Rec 100 bbl SW w/oil show. Half hr tests - 30' muddy oil. Overnight FU 300' gas, 150' oil, 250' SW. Half hr test - 20' w/50% muddy oil. Acidized /250 gal 15% MCA w/Penn 88. Rec 104 bbl SW w/good show oil on last pull. Half hr test - 70' w/50% oil. Swbd 45' w/37% oil/half hr. Acidized w/300 gal 15% MCA w/Penn 88. Perf 3898-99' w/4 holes. Pressure dropped slowly. Perf 3899-3900' w/4 holes. Pmpd in acid. Rec 112 bbl - 10% oil in last 100' pull. Overnight FU 900' gas, 200' oil, 1800' SW. Swbd 200' w/15% oil/half hr. Perf 3880-86' w/12 shots. Isolated zone & acidized w/300 gal 15% MCA w/Penn 88. Rec 20 bbl/hr w/scum oil. Overnight FU (all perfs open) 2700' w/150' oil (5% oil). Swbd 18 bbl/hr, 8% oil.

FINAL COMPLETION:

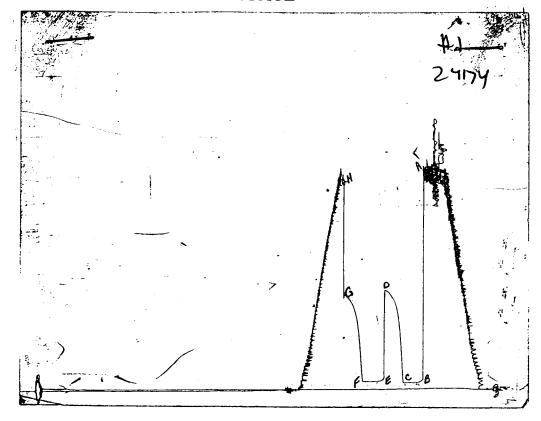
PBTD @ 3916'

PERFS @ 3880-86' & 3896-3900'

**PC)P** 

AUG 2 3 1994
CUNSCIPLIA KANSAS

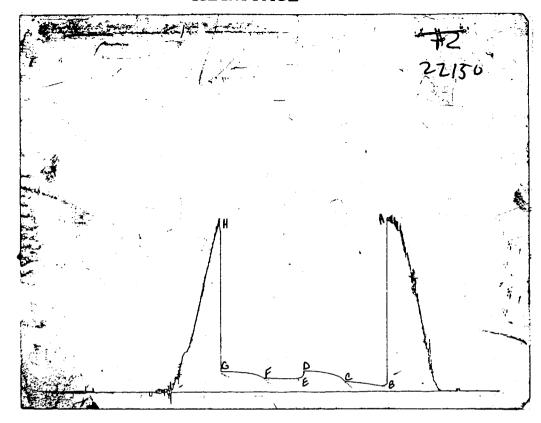
Mel Name		BERNICE	#3	•			Tost No.	1	Dat	5/29/94	4
Address BOX 1009 MCPHERSON KANSAS 67460-1009 Elevation 2200  Co. Rep /Geo	Well Name			INC.			162(140.		7or	LKC A	TOR .
MURPIN DRLG RIG	' '				KANSAS	67460-	1009	···	Flevation	2280	, <u> </u>
Interval Tested   3538-3600		TAMES C									v
Interval Tested			····-	110		2	1W	Co			
Interval Tested	Location: Sec		Iwp			rge					
Anchor Length			3	3538-36	00		Drill Pine	Size	4.5" XH		
Top Packer Depth   3533   Drill Collar - 2.25 Ft. Run   5.26				62					1		
Spracker Depth   3538	_			3533		<del></del>	•			526	
Total Depth	•					<del></del>				0 0	lb/Gal.
Tool Open		•				<del></del>	Viceosity		45	Filtrate	12.4
Recovery - Total Feet	Total Depth									rittate	
Recovery - Total Feet   20	Tool Open @	6:57 PM	Initial Blow	WEAK SU	RFACE I	BLOW - I	)IED I	N 15 MIN	UTES		
Rec.         20         Feet of         SLTLY OIL SPECKED MUD           Rec.         Feet of         Rec.         Feet of           Rec.         Feet of         Rec.         Feet of           BHT         109         °F         Gravity         "API         % Corrected Gravity         "API           Rec.         Feet of           BHT         109         °F Corrected Gravity         "API           Rec.         PEET Of Corrected Gravity         "API           WP Chlorides         Ppm Recovery         Chlorides         "PPM System           (A) Initial Hydrostatic Mud         1754.6         PSI         AK1 Recorder No.         22150         Range         3050           (E) Second Final Flow Pressure         57.8         PSI         AK1 Recorder No.         Range           (F) Second Final Flow Pressure         57.8         PSI         AK1 Recorder No.         Range      <	Final Blow	NO BLOW									
Rec.         20         Feet of         SLTLY OIL SPECKED MUD           Rec.         Feet of         Rec.         Feet of           Rec.         Feet of         Rec.         Feet of           BHT         109         °F         Gravity         "API         % Corrected Gravity         "API           Rec.         Feet of           BHT         109         °F Corrected Gravity         "API           Rec.         PEET Of Corrected Gravity         "API           WP Chlorides         Ppm Recovery         Chlorides         "PPM System           (A) Initial Hydrostatic Mud         1754.6         PSI         AK1 Recorder No.         22150         Range         3050           (E) Second Final Flow Pressure         57.8         PSI         AK1 Recorder No.         Range           (F) Second Final Flow Pressure         57.8         PSI         AK1 Recorder No.         Range      <		<u> </u>	20						NO		
Rec.         Feet of Rec.         PAPI Per	Recovery - Tota	Feet	20				i	-lush Tool?	NO		
Rec.         Feet of Rec.         PAPI Recorded Four Pessure Ppp Recovery Chlorides Ppp Recov	20			בדיידע ה	TT CDF	מאבט Will	,				
Rec.         Feet of Rec.         Peet of Peet of Rec.         Peet of Chlorides         Peet of											
Rec.         Feet of Rec.         Feet of Fee											
Rec.         Feet of           BHT         109         °F         Gravity         "API         "F Corrected Gravity         "API           RW         "F Chlorides         ppm Recovery         Chlorides         ppm System           (A) Initial Hydrostatic Mud         1754.6         PSI         AK1 Recorder No.         22150         Range         3925           (B) First Initial Flow Pressure         69.7         PSI         @ (depth)         3572         w / Clock No.         23839           (C) First Final Flow Pressure         45.9         PSI         AK1 Recorder No.         24174         Range         3050           (D) Initial Shut-in Pressure         777.6         PSI         @ (depth)         3597         w / Clock No.         25109           (E) Second Initial Flow Pressure         57.8         PSI         AK1 Recorder No.         Range         Final Flow           (F) Second Final Flow Pressure         57.8         PSI         PSI         Initial Opening         30         Final Flow         30           (H) Final Hydrostatic Mud         1649.5         PSI         Initial Shut-in         30         Final Shut-in         30	Rec										
BHT 109 °F Gravity °API © °F Corrected Gravity °API RW °F Corrected Gravity °API RW °F Corrected Gravity °API RW °F Chlorides Ppm Recovery Chlorides ppm System (A) Initial Hydrostatic Mud 1754.6 PSI AK1 Recorder No. 22150 Range 3925  (B) First Initial Flow Pressure 69.7 PSI © (depth) 3572 W/Clock No. 23839  (C) First Final Flow Pressure 45.9 PSI AK1 Recorder No. 24174 Range 3050  (D) Initial Shut-in Pressure 777.6 PSI © (depth) 3597 W/Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range (F) Second Final Flow Pressure 745.6 PSI Initial Opening 30 Final Shut-in 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30											
RW         @         °F         Chlorides         ppm Recovery         Chlorides         ppm System           (A) Initial Hydrostatic Mud         1754.6         PSI         AK1 Recorder No.         22150         Range         3925           (B) First Initial Flow Pressure         69.7         PSI         @ (depth)         3572         w / Clock No.         23839           (C) First Final Flow Pressure         45.9         PSI         AK1 Recorder No.         24174         Range         3050           (D) Initial Shut-in Pressure         777.6         PSI         @ (depth)         3597         w / Clock No.         25109           (E) Second Initial Flow Pressure         57.8         PSI         AK1 Recorder No.         Range	Rec		Feet of _								
RW         @         °F         Chlorides         ppm Recovery         Chlorides         ppm System           (A) Initial Hydrostatic Mud         1754.6         PSI         AK1 Recorder No.         22150         Range         3925           (B) First Initial Flow Pressure         69.7         PSI         @ (depth)         3572         w / Clock No.         23839           (C) First Final Flow Pressure         45.9         PSI         AK1 Recorder No.         24174         Range         3050           (D) Initial Shut-in Pressure         777.6         PSI         @ (depth)         3597         w / Clock No.         25109           (E) Second Initial Flow Pressure         57.8         PSI         AK1 Recorder No.         Range	100									. 16	A 9AD
(A) Initial Hydrostatic Mud       1754.6       PSI       AK1 Recorder No.       22150       Range       3925         (B) First Initial Flow Pressure       69.7       PSI       @ (depth)       3572       w / Clock No.       23839         (C) First Final Flow Pressure       45.9       PSI       AK1 Recorder No.       24174       Range       3050         (D) Initial Shut-in Pressure       777.6       PSI       @ (depth)       3597       w / Clock No.       25109         (E) Second Initial Flow Pressure       57.8       PSI       AK1 Recorder No.       Range       —         (F) Second Final Flow Pressure       57.8       PSI       @ (depth)       w / Clock No.       —         (G) Final Shut-in Pressure       745.6       PSI       Initial Opening       30       Final Flow       30         (H) Final Hydrostatic Mud       1649.5       PSI       Initial Shut-in       30       Final Shut-in       30				-							
(B) First Initial Flow Pressure 69.7 PSI @ (depth) 3572 w / Clock No. 23839  (C) First Final Flow Pressure 45.9 PSI AK1 Recorder No. 24174 Range 3050  (D) Initial Shut-in Pressure 777.6 PSI @ (depth) 3597 w / Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range (depth) w / Clock No. (G) Final Flow Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	RW		@	°F	Chlorides	5	ppr	n Recovery	Chloride	· ——	ppm System
(B) First Initial Flow Pressure 69.7 PSI @ (depth) 3572 w / Clock No. 23839  (C) First Final Flow Pressure 45.9 PSI AK1 Recorder No. 24174 Range 3050  (D) Initial Shut-in Pressure 777.6 PSI @ (depth) 3597 w / Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range (depth) w / Clock No. (G) Final Flow Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30				1754 6				22150			3925
(C) First Final Flow Pressure 45.9 PSI AK1 Recorder No. 24174 Range 3050  (D) Initial Shut-in Pressure 777.6 PSI @ (depth) 3597 w / Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range  (F) Second Final Flow Pressure 57.8 PSI @ (depth) w / Clock No. (G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(A) Initial Hydro	ostatic Mud		1/54.6	PSI	AK1 Record	er No	22130		Range	3323
(C) First Final Flow Pressure 45.9 PSI AK1 Recorder No. 24174 Range 3050  (D) Initial Shut-in Pressure 777.6 PSI @ (depth) 3597 w / Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range  (F) Second Final Flow Pressure 57.8 PSI @ (depth) w / Clock No. (G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30				60.7				2572			23839
(C) First Final Flow Pressure 777.6 PSI @ (depth) 3597 w / Clock No. 25109  (E) Second Initial Flow Pressure 57.8 PSI AK1 Recorder No. Range (f) Second Final Flow Pressure 57.8 PSI @ (depth) w / Clock No. (G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30 (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(B) First Initial F	Flow Pressure _		69.7	PSI	@ (dept	h)	3312	w/	Clock No	23037
(C) First Final Flow Pressure				45 0				21171			3050
(E) Second Initial Flow Pressure	(C) First Final F	low Pressure		45.9	PSI <sup>*</sup>	AK1 Record	er No	241/4		_ Range	
(E) Second Initial Flow Pressure				222 6				2507		er 1 1 1	25109
(F) Second Final Flow Pressure 57.8 PSI @ (depth) w/ Clock No. (G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(D) Initial Shut-	in Pressure ——		777.6	PSI	@ (dept	h)	3597	w/	Clock No.—	23103
(F) Second Final Flow Pressure 57.8 PSI @ (depth) w/ Clock No. (G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30										_	
(G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(E) Second Init	ial Flow Pressur	e	57.8	PSI	AK1 Record	er No. —			Range	
(G) Final Shut-in Pressure 745.6 PSI Initial Opening 30 Final Flow 30  (H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30											
(H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(F) Second Fina	al Flow Pressure		57.8	PSI	@ (dept	ih)		w/	Clock No	
(H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	•										
(H) Final Hydrostatic Mud 1649.5 PSI Initial Shut-in 30 Final Shut-in 30	(G) Final Shut-i	in Pressure	·····	745.6	PSI	Initial Ope	ning	30		Final Flow	30
	(H) Final Hudro	ostatic Mud		1649.5	PSI	Initial Sh	ut-in	30	F	inal Shut-in	30
Our Penresentative PAUL SIMPSON	(FI) Filiai Fiyare	Julia III III									
	Our Donassa	tativo 1	PAUL S	IMPSON							



This is an actual photograph of recorder chart # 24174

		FIELD READING	OFFICE READING
	•		
(A)	INITIAL HYDROSTATIC MUD	1750	1754.6
(B)	FIRST INITIAL FLOW PRESSURE	37	69.7
(C)	FIRST FINAL FLOW PRESSURE	44	45.9
(D)	INITIAL CLOSED-IN PRESSURE	781	777.6
(E)	SECOND INITIAL FLOW PRESSURE	52	57.8
(F)	SECOND FINAL FLOW PRESSURE	52	57.8
(G)	FINAL CLOSED-IN PRESSURE	736	745.6
(H)	FINAL HYDROSTATIC MUD	1697	1649.5

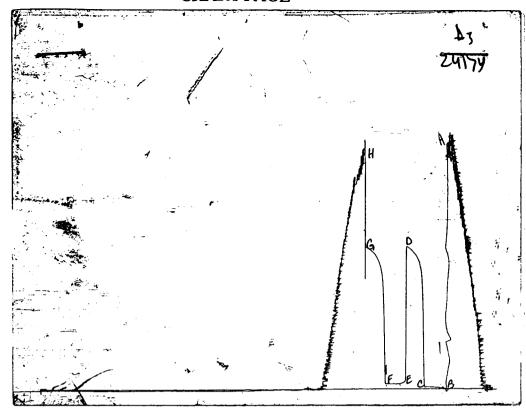
Well Name	BERNICE #3		Test I	No. 2	Date 5/30/9	4
Company	HESS OIL C				Zone LKC -	"B & C
Address	BOX 1009	McPHERSON KANS	AS 67460-1009	9	Elevation 2280	
Co. Rep./Geo	JAMES C. H	IESS Cont.	MURFIN DRLG	RIG #8	Est. Ft. of P	
Location: Sec	26		Rge. 21W	Co		
Index and Tooks of		3592-3665	D-:II B	pe Size	4.5" XH :	<del></del>
Interval Tested _		72				
_	th	2507		pe I.D 2.7 Ft. Run ollar — 2.25 Ft. Run	20.4	
		2502		Vt	9.3	lb/Gal.
	Depth	2665		ity	42 Filtrate	8 • 8
•		itial 1/2" BLOW BU				
Final Blow	SURFACE BL	OW BUILDING TO	2"			
Recovery - Total	Feet 25	0		Flush Tool?1	40	
necovery - rotal	reet	·		1103/11001:		
Rec130	Foot	of WATERY MUD W	/ OIL SPECKS-	-10% WTR/ 9	0% MUD	
Rec120		of MUDDY WATER				
		of				
Rec.		of				
		of				
rice.	7666	01				
RHT 110	٥ţ	Gravity	• <b>Δ</b> ΡΙ <i>(</i>	70	°F Corrected Grav	ity •ΔPI
		99 °F Chlori				
		T CHION	μες	pili Recovery	Chiorides	ppin system
(A) Initial Hydro	static Mud	1744.1 PSI	AK1 Recorder No	22150	Range	3925
(B) First Initial Fl	ow Pressure	57.4 PSI	@ (depth)	3596	w / Clock No	23839
(C) First Final Flo	ow Pressure	99.6 PSI	AK1 Recorder No	24174	Range	3050
(D) Initial Shut-in	n Pressure	208.8 PSI	@ (depth)	3662	w / Clock No	25109
(E) Second Initia	I Flow Pressure	119.7 PSI	AK1 Recorder No		Range	
(F) Second Final	Flow Pressure	136.9 PSI	@ (depth)		w / Clock No	
(G) Final Shut-in	Pressure	204.0 PSI	Initial Opening —	60	Final Flow	60
(H) Final Hydros	tatic Mud	1734.2 PSI	Initial Shut-in	60	Final Shut-in	60
Our Representat	tivePAUI	SIMPSON				



This is an actual photograph of recorder chart # 22150

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		FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	1744	1744.1
(B)	FIRST INITIAL FLOW PRESSURE	48	57.4
(C)	FIRST FINAL FLOW PRESSURE	96	99.6
(D)	INITIAL CLOSED-IN PRESSURE	211	208.8
(E)	SECOND INITIAL FLOW PRESSURE	124	119.7
(F)	SECOND FINAL FLOW PRESSURE	144	136.9
(G)	FINAL CLOSED-IN PRESSURE	201	204
(H)	FINAL HYDROSTATIC MUD	1734	1734.2

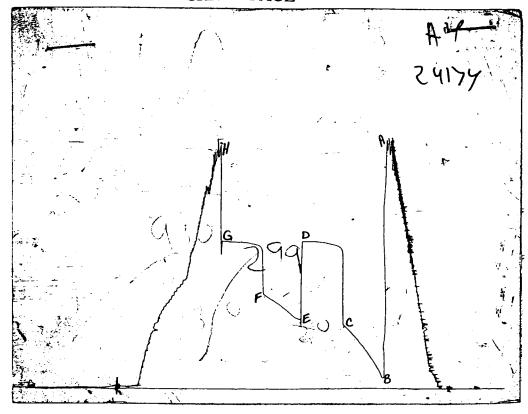
Well Name	BERNICE	#3		Test	No. 3	Date	4
Company	HESS OIL	CO., INC				Zone ARBUCK	LE
Address	BOX 1009	MCPHERS	ON KANSA	AS 67460-100	9	Elevation 2280	
Co. Rep./Geo.	JAMES C.	HESS	Cont	MURFIN DRLG	RIG #8	Est. Ft. of I	Pav
Location: Sec	26	Twp. 1	1s	Rge. 21W	Co.	TREGO St	KS ate
							·
Interval Tested		3874-	-3895	Drill	Pipe Size	1.5" XH :	
			21		Pipe I.D 2.7 Ft. Rur	1	
-	oth		69		Collar — 2.25 Ft. Rur	294	
	Depth	20	74				lb/Gal.
			95	Visco	sity	9 4 51 Filtrat	e <u>8.4</u>
Tool Open @_	3:46 PM	Initial Blow VERY	WEAK SU	RFACE BLOW D	IED IN 24 M	INUTES	
Final Blow	NO BLOW						
Recovery - Tota	ıl Feet	15			Flush Tool?	10	
Rec. 12		Feet of CLEAR	OIL				
		Feet of MUDD				· · · · · · · · · · · · · · · · · · ·	····
Rec	· · · · · · · · · · · · · · · · · · ·	Feet of					
Rec		Feet of					
Rec		Feet of					
		=		°API des		*F Corrected Grav	=
KVV		<i>y</i>	— F Chiori	des	ppm kecovery	Chlorides	ppm system
(A) Initial Hydro	ostatic Mud	1930	. 9 PSI	AK1 Recorder No.	22150	Range	3925
(B) First Initial I	Flow Pressure	2.2	PSI	@ (depth)	3880	w / Clock No	23839
(C) First Final F	low Pressure	18.5	PSI	AK1 Recorder No.	24174	Range _	3050
(D) Initial Shut-	in Pressure	1119	. 3PSI	@ (depth)	3892	w / Clock No	23935
(E) Second Init	ial Flow Pressure	54.8	PSI	AK1 Recorder No.		Range _	
(F) Second Fina	al Flow Pressure	39.2	PSI	@ (depth)		w / Clock No	
(G) Final Shut-i	n Pressure	1114	. 3 PSI	Initial Opening _	30	Final Flow _	30
(H) Final Hydro	static Mud	1899	• <b>4</b> PSI	Initial Shut-in _	30	Final Shut-in _	30
Our Represent	ativeP	AUL SIMPS	ON				



This is an actual photograph of recorder chart # 24174

		FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	1936	1930.9
(B)	FIRST INITIAL FLOW PRESSURE	7	2.2
(C)	FIRST FINAL FLOW PRESSURE	15	18.5
(D)	INITIAL CLOSED-IN PRESSURE	1114	1119.3
(E)	SECOND INITIAL FLOW PRESSURE	30	54.8
(F)	SECOND FINAL FLOW PRESSURE	30	39.2
(G)	FINAL CLOSED-IN PRESSURE	1114	1114.3
(H)	FINAL HYDROSTATIC MUD	1904	1899.4

Well Name	BERNICE #3			Test No	4	Date	<sub>e</sub> 6/1/94	
Company	HESS OIL CO	O., INC.				Zone	ARBUCKLI	€
Address	BOX 1009 1	CPHERSON KAN	SAS 67460	0-1009		Elevation	2280	
	JAMES C. HI	ESS Cont.	MURFIN	DRLG F	RIG #8		Est. Ft. of Pay	
Co. Rep./Geo	26	Twp. 115	Rge	21W			State	
Location: Sec		тwр	nge			.0	State	
		3892-3904		D-ill Dina	C:	4.5" XH	;	
Interval Tested		12	<del></del>				-	
-		3887		•	I.D 2.7 Ft.		294	
	th	3892			ar — 2.25 Ft.		9.4	11.76-1
	Depth	3904			•	51	Filtrate _	
Total Depth			<del></del>	Viscosity	<u> </u>		Filtrate _	
Tool Open @	2:14 AM Init	al STRONG-BOTT	OM OR BUG	CKET IN	N 3 MINU	JTES		
Final Blow	1/2" BLOW I	BUILDING TO BO	OTTOM OF	BUCKET	IN 8 N	MINUTES		
	1920							
Recovery - Total	Feet 1820			1	Flush Tool? _	NO		
Rec340	Feet o	GASSY OIL-	5% GAS/ 9	95% OII				
Rec. 250	Feet o	GSY OIL & W	TR CUT M	UD-5% (	GAS/ 459	BOIL/45%WT	R/5% MUI	)
Rec. 1230		SLTLY OIL S						
		f						
Rec		f						
	7000							
<sub>RHT</sub> 123	٥ţ	Gravity 28	۰ADI	a	70	°F Cor	rected Gravity	27 •API
		67 °F Chlor			n Recovery		-	ppm System
WAA		- P Chioi	ides = = = =	ppn	ii kecovery	Chlorides		ppm system
(A) Initial Hydro	static Mud	1957.2 PSI	AK1 Reco	rder No	22150		Range	3925
(B) First Initial Fl	low Pressure	85 • 4 PSI	<b>@</b> (de <sub>l</sub>	pth)	3894	w/c	lock No	25109
(C) First Final Flo	ow Pressure	505.2 PSI	AK1 Reco	rder No. —	24174		Range	3050
. ,							_	
(D) Initial Shut-in	n Pressure	1158.5 PSI	@ (de <sub>l</sub>	pth)	3901	w/C	lock No.	23839
(E) Second Initia	al Flow Pressure	546.5 PSI	AK1 Reco	rder No			- Range	
(F) Second Final	Flow Pressure	746.4 PSI	@ (de	pth)		w/c	lock No	
• • • • • • • • • • • • • • • • • • • •	· · ·		- (30	, ,		, -		
(G) Final Shut-in	Pressure	1161.6 PSI	Initial Op	pening	60	<b>)</b> Fi	nal Flow	60
(H) Final Hydros	static Mud	1908.6 PSI	Initial C	hut-in	60	) Fina	al Shut-in	_60
(ii) iiiai iiyalos	TOTAL IVINO	1 JI	unual 3			11110	J. 100 t 11	
O D	e DAIIT.	STMPSON						

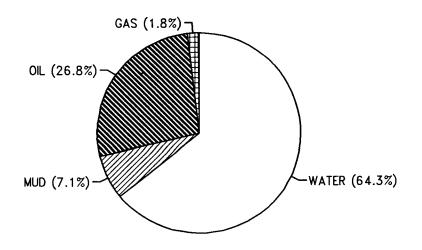


This is an actual photograph of recorder chart # 24174

		FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	1949	1957.2
•	FIRST INITIAL FLOW PRESSURE	74	85.4
(C)	FIRST FINAL FLOW PRESSURE	491	505.2
(D)	INITIAL CLOSED-IN PRESSURE	1160	1158.5
(E)	SECOND INITIAL FLOW PRESSURE	537	546.5
(F)	SECOND FINAL FLOW PRESSURE	743	746.4
(G)	FINAL CLOSED-IN PRESSURE	1160	1161.6
(H)	FINAL HYDROSTATIC MUD	1919	1908.6

#### CALCULATED RECOVERY ANALYSIS

DST	4				TICKET #	6598			
SAMPLE	TOTAL		GAS		OIL		WATER		MUD
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	340	5	17	95	323	0	0	0	0
PIPE 2	250	5	12.5	45	112.5	45	112.5	5	12.5
3	936	0	0	0	0	90	842.4	10	93.6
4			0		0		0		0
5			0		0		0	;	0
6			0		0		0	s:	0
WEIGHT 1			0		0		0	¥ ,	0
PIPE 2			0		0		0	**	0
3			0		0		0		0
4			0		0		0		0
DRILL 1	294	0	0	0	0	90	264.6	10	29.4
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	1820		29.5		435.5		1219.5		135.5
			HRS OPEN	BBL/DAY					
BBL OIL=	6.19281	*	2	74.31372					
BBL WATER=	14.872572	*		178.47086					
BBL MUD=	1.652508								
BBL GAS =	0.41949								



Hess	: #2 4	RECORDER # 24/1	74
WELL NAME DOE	2.560 1957.2	FINAL HYD. MUD 2.5/	7 1908.6
INIT. HYD. MUD. INITIAL FLOW 1INUTES <u>60</u> INTERVAL	INITIAL SHUTIN MINUTES 60 INTERVAL	FINAL HYD. HOD FINAL FLOW MINUTES_60_ INTERVAL	FINAL SHUTIN MINUTES 60 INTERVAL
115 85.4		1 .722 546.5	
.169	1.456	2 .728	1.462
.206	1.475	3 <u>.737</u>	1.485
<i>2</i> 38	1.485	4 748	1.493
-270	1.491	5 764	1498
.303	1.497	6 <u>784</u>	1.505
. 330	1501	7 <u>.800</u>	1.507
1360	1.506	B 8/9	1.513
. 388	1.511	<b>9</b> <i>\$</i> 33	1.517
.416	1.516	10 848	1.519
445	1.579	11 867	1.520
·468	1.52/	12 882	1527
494	1.524	13 <u>893</u>	1.522
.522	1.527	14 909	1.528
.545	1.528	15 92/	1.524
565	//	16 932	1.524
<i>588</i>	<i>"</i>	17 946	1.525
61/	//	18 959	1.527
630	//	19 973	1.529
650	1.528		
			1.532 1161.6
blob 505.2	1.528 1158.5		1701.6
		23	
		27	