

15-051-24818-00-00

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5663
Name: Hess Oil Company
Address P.O. Box 1009
City/State/Zip McPherson, KS 67460

Purchaser:
Operator Contact Person: Bryan Hess
Phone (316) 241-4640

Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: James C. Hess

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, VSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator:
Well Name:
Comp. Date 11-6-92 Old Total Depth 11-15-92
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.
8-14-93
Spud Date 11-6-92 Date Reached TD 11-15-92 Completion Date 8-14-93

API NO. 15- 051-24,818
County Ellis
Appx. N2 - N2 - NW Sec. 13 Twp. 11 Rge. 20 E
X V

500 Feet from (circle one) Line of Section
1440 Feet from (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, or SW (circle one)

Lease Name Mixer Well # 2
Field Name

Producing Formation
Elevation: Ground 2000' KB 2005'
Total Depth 3680' PBD 3680'

Amount of Surface Pipe Set and Cemented at 209 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1392 Feet

If Alternate II completion, cement circulated from
feet depth to v/ sv cmt.

Drilling Fluid Management Plan D & B 8-21-93
(Data must be collected from the Reserve Pit)
Chloride content 30,000 ppm Fluid volume 80 bbls

Dewatering method used used steel mud tank
Location of fluid disposal if hauled offsite:
Hauled mud to reserve pit located as follows:
Operator Name Hess Oil Company

Lease Name Schonthaler License No. 5663
SW Quarter Sec. 13 Twp. 11 Rng. 20 E
County Ellis Docket No.

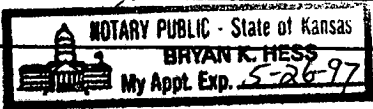
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 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 James H. Hess
Title James H. Hess, Vice President Date 8/17/93

Subscribed and sworn to before me this 17 day of August, 19 93.

Notary Public Bryan Hess
Date Commission Expires



RECEIVED STATE CORPORATION COMMISSION 8-18-1993
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Logs Received
C Geological Report Received
Distribution
 KCC SWD/Rep NEPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Hess Oil Company Lease Name Mixer Well # 2
 Sec. 13 Twp. 11 Rge. 20 East County Ellis
 West

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:
 Dual Induction
 Dual Compensated Porosity

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 (see attached)

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Conductor	19"	13-3/8"	48#	39'	standard	100	3% cc
Surface	12-1/4"	8-5/8"		209'	60/40 Poz	135	2%gel, 3%cc
Production	7-7/8"	5-1/2"	15.5#	3497'	EA-2	200	

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
	(see attached)	

TUBING RECORD: Size Set At Packer At Liner Run Yes No

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

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

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Hole VENT Dual Comp Cemented Other (Specify)

Production Interval

15-051-24818-00-00

Hess Oil Company

Mixer #2

Approx. N/2 N/2 NW/4 Section 13-11-20W
Ellis County, Kansas

FORMATION SAMPLE TOPS

Anhydrite	1398'	+607
Base Anhydrite	1443	+562
Topeka	3037	-1032
Heebner	3258	-1253
Lansing	3297	-1292
Muncie Creek	3418	-1413
Base Kansas City	3518	-1513
Marmaton	3548	-1543
Arbuckle	3625	-1620
RTD	3680	-1675

DST #1: 3188'-3220'. Times 30-30-10-0. Weak blow died in 20 min. Recovered 15' Mud with a few oil spots. IH 1634#, IF 47-47, ISI 916, FF 57-57, FSI ---, FH 1624. Tmp 102.

DST #2: Misrun. Hit bridge @ 2988'.

DST #3: 3290'-3360'. Times 60-45-60-45. Strong blow. Recovered 183' Mud, 549' too small to measure, 366' OCWM. (5% Oil, 15% Wtr, 80% Mud), 305' OCWM. (5% Oil, 25% Wtr, 70% Mud), 122' OCWM 5% Oil, 30% Wtr, 65% Mud), 549' OCW (5% Oil 95% Wtr). IH 1624, IF 496-887, ISI 1270, FF 954-1059, FSI 1212, FH 1595. Tmp 104.

DST #4: 3376'-3400'. Times 60-45-60-45. 1st open fair blow bottom of bucket in 20 min., 2nd open 3-1/2" blow. Recovered 305' saltwater with oil spots on top. IH 1635, IF 52-84, ISI 954, FF 105-137, FSI 881, FH 1625. Tmp 104.

DST #5: 3410'-3470'. Times 45-30-45-30. 1st open weak blow, 2nd open died in 25 min. Recovered 50' Mud with oil spots. IH 1739, IF 66-66, ISI 830, FF 76-76, FSI 830, FH 1729. Tmp 104.

DST #6: 3302'-3342'. Times 60-45-60-45. 1st open strong blow, 2nd open, fair to strong blow. Recovered 213' Free Oil, 244' OCWM (25% Oil, 25% Wtr, 50% Mud), 122' OCWM (30% Oil, 35% Wtr, 35% Mud), 183' OCMW (5% Oil, 70% Wtr, 25% Mud), 122' OCW (2% Oil, 98% Wtr), 7200' SW. IH 1681, IF 667, FF 496-543, FSI 667, FH 1624. Tmp 103.

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8-18-1993
AUG 18 1993

PERFORATION AND ACID RECORD

1. Perf. 3467'-3469' and acidized with 300 gal. 15% MCA (no oil show).
2. Set bridge plug @ 3450', perf. 3346'-3348', and acidized with 300 gal. 15% MCA (swabbed 21 bbl/hr., 95% oil).
3. Perf. 3331'- 3334' and acidized with 500 gal 15% MCA, & 500 gal. 15% HCl, & 2,500 gal. 15% HCl (swabbed 21 bbl/half hr., 64% oil).
4. Pump tested from 12-11-92 until 8-2-93. Production declined from approx. 10 bbl oil/day to 3.5 bbl oil/day (29 grav.), with 37 bbl water/day (determined to be non-economical).
5. Set bridge plug @ 3340' and acidized top zone with 300 gal. 15% HCl. Went on vacuum. Fluid was 60' from bottom (no bottom hole pressure).
6. Plugged on 8-14-93 - recovered 2195' of 5-1/2" casing.

CONSERVATION DIVISION
WARRANTS SECTION

JOB LOG

15-051-24818-00-00

WELL NO. # 2 LEASE Mixer TICKET NO. 28333


CUSTOMER Hess Oil Co. PAGE NO. 1

JOB TYPE Conductor P/OE 12 3/8 DATE 11-4-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1230							called out
								on loc. w/ equip. & cat
								100stk Standard w/3%cc
	1335							set up & blow Job.
								Still Drilling 19" Hole
	1350							Hole cut
	1410							start 13 3/8 Csg. 48' 1-Joint
	1420							Csg on bottom
								Hookup to well B Rank via w/ruptak
	1430							250# St mix 100stk standard 3%cc
		4	21					Finish
								Start Disp.
			4.5					100# Fin disp
	1441							shut in
	1530							Job complete
								wash up Equip.
								38stk c.a to pit

+ breaks
Allow

Alam
Pore


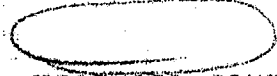
HALLIBURTON SERVICES

15-051-24818-00-00
A Halliburton Company

INVOICE NO.	DATE
283335	11/07/1992

INVOICE

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
MIXER 2		ELLIS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		MURFIN DRUG	CEMENT SURFACE CASING		11/07/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
385110	TIM KINDERHARDT			COMPANY TRUCK	42479



HESS OIL COMPANY
P O BOX 905
MC PHERSON, KS 67460

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA					
000-117	MILEAGE	30	MI	2.60	78.00
			UNT		
001-016	CEMENTING CASING	201	FT	475.00	475.00
			UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	6 5/8	IN	90.00	90.00
			EA		
504-308	STANDARD CEMENT	81	SR	6.56	531.36
506-105	POZMIX A	3996	LB	.052	207.79
506-121	HALLIBURTON GEL 2X	2	LB	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	3	SK	26.50	79.50
500-207	BULK SERVICE CHARGE	141	CFT	1.15	162.15
500-306	MILEAGE CMTG MAT DEL OR RETURN	180.750	TMI	.80	144.60
INVOICE SUBTOTAL					1,768.40
DISCOUNT (BID)					353.67
INVOICE BID AMOUNT					1,414.73
*-KANSAS STATE SALES TAX					44.13
*-HAYS CITY SALES TAX					9.01
INVOICE TOTAL PLEASE PAY THIS AMOUNT *****					1,467.87

*Note to state -
cant locate
Job Log*



TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO COLLECT ON THIS ACCOUNT, THE CUSTOMER SHALL BE RESPONSIBLE FOR ALL COLLECTOR COSTS AND

15-051-24818-00-00

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

File Mixer #2

INVOICE NO.	DATE
209243	11/15/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MIXER 2	ELLIS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
HAYS	MURFIN	CEMENT PRODUCTION CASING	11/15/1993

**HALLIBURTON SERVICES
JOB LOG**

WELL NO. 2 LEASE Mixer TICKET NO. 4272
 CUSTOMER Hess Oil Co PAGE NO. 1
 JOB TYPE Logging DATE 11-15-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	04:30							on location set up T&K + Discus job
	09:35							Run on bottom w/ D.P. circulating
	11:05							ST Casing w/ insert float checkmate full
	11:20							5 centralizers, one cement basket, Camp
	12:20							Port collar at Top of Joint 66
	12:21	4	13 BBL					Casing on bottom hook up to circ
		5						ST circ up mud
	12:38	2	42 BBL					Finish circ hook up to cement
						200		ST 500 Gal mud flush
						200		ST 200 SKS EA 2 cement
						100		Finish mixing cement wash out Pump
								Lines
	12:40	8				100		Release plug + ST Disp
	12:58	3	26 BBL			1000		Plug Down
	13:00							Release P50 float held
	13:45							JOB complete

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8-18-1993

Conservation Division
Wichita, Kansas
Port collar on top of Joint 66

15-051-24818-00-00

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

4340

Home Office P. O. Box 31

Russell, Kansas 67665

O. Del

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
8-14-93	13	11	20	6:30 AM	9:00 AM	10:00 AM	4:15 PM
Lease Mixer	Well No. #2		Location Ellis 14N 2 1/2 E 4N		County Ellis	State Kansas	
Contractor John Cable Tool Service				Owner SAME			
Type Job Plug To Abandon				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. Size	T.D.			Charge To Hess Oil Co			
Csg. 5 1/2"	Depth			Street Box 905			
Tbg. Size	Depth			City McPherson State Kansas 67460			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool	Depth			Purchase Order No.			
Cement Left in Csg.	Shoe Joint			X James C. Hess			
Press Max.	Minimum			CEMENT 1 SK hulls			
Meas Line	Displace			Amount Ordered 175 SKS 60/40 Poz 10% Gel 1/4 Flowez			
Perf.				Consisting of			

EQUIPMENT

#	No.	Cementor	Helper
#153	No.	M Kaufman	Mark D.
#218	No.	Mike S.	

Common	Price	Total
105 @ 5.35		603.75
70 @ 3.00		210.00
18 @ 7.00		126.00
Chloride Blend 44 @ 1.10		48.40
Quickset		
Hulls 1 @ 15.00		15.00
Handling @ 1.00 ea		175.00
Mileage 40/50/mile		175.00
25		
Sub Total		1353.15
Total		1353.15

DEPTH of Job

Reference:	Rate	Total
# Pump Trk	4.10	
225 Per Mile	56.25	
Sub Total		
Tax		
Total		466.25

Remarks: Spotted 35 SKS @ 2140'
 Spotted 25 SKS @ 1425'
 Spotted 65 SKS @ 700' WITH 1 SKS hulls
 Spotted 40 SKS @ 250'
 Pulled casing out of Hole
 Spotted 10 SKS @ 40' to fill 5 1/2" casing to surface

[Signature]

15-051-24818-00-00
HESS OIL COMPANY

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

MIXER #2

500' FNL, 1440' FWL of

SECTION 13 - 11S - 20W

ELLIS COUNTY, KANSAS

Commenced: 11-6-92	Elevations: 2000' GR, 2005' KB
Completed: 11-15-92	Surface Pipe: 40' Conductor 200' of 8-5/8"
Contractor: Murfin Drilling Co.	Production Pipe: 5½" set at 3497' KB.
Production: Lansing Formation	

One foot drilling time was kept from 1360 to 1460' KB and from 2900' to total depth. Ten foot (wet & dry) samples were kept from 3100' to total depth.

Following are sample tops, descriptions of zones of interest (including shows of oil & gas), and results of all drill

<u>ANHYDRITE</u>	<u>1398</u>	<u>(+607)</u>
<u>BASE ANHYDRITE</u>	<u>1443</u>	<u>(+562)</u>
<u>TOPEKA</u>	<u>3037</u>	<u>(-1032)</u>

3202-08' KB

White, very finely crystalline, dense, limestone. Fair show of free oil in poor inter-crystalline porosity, no odor, fair stain and a strong cut.

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Wichita, Kansas
CONSERVATION DIVISION

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HESS OIL COMPANY

412 East Douglas, Suite One
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(316) 263-2243

Mixer #2
page 3

3374-77' KB

White, very finely crystalline, dense, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, weak stain, and a very weak cut.

3379-83' KB

White, very finely crystalline, dense, limestone. Good show of free oil in poor to fair intercrystalline porosity, no odor, and a strong stain, with a strong cut.

DRILL STEM TEST #4

3376 to 3400' KB

24' Anchor

Blow: Fair blow of 6" throughout opennings.

Times: Open 60, Closed 45, Open 60, Closed 45.

Recovered: 305' SW w/scum of free oil.

Pressures: IH 1635# IF 52-84# ISIP 954#
FH 1625# FF 105-137# FSIP 881#

MUNCIE CREEK

3418 (-1413)

3448-52' KB

White, very finely crystalline, dense, slightly oolitic limestone. Slight show of free oil in fair intercrystalline porosity, weak stain, no odor, and a very weak cut. (2 pieces in tray)

DRILL STEM TEST #5

3410 to 3470' KB

60' of Anchor

Blow: Weak blow of 3" throughout both opennings.

Times: Open 45, Closed 30, Open 45, Closed 30.

Recovered: 50' Mud w/oil spots.

Pressures: IH 1739# IF 66-66# ISIP 830#
FH 1729# FF 76-76# FSIP 830#

3469-83' KB

Tan, very finely crystalline, dense, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, slight stain, and a slight cut.

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Wichita, Kansas

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Mixer #2
page 4

<u>BASE KANSAS CITY</u>	<u>3518</u>	<u>(-1513)</u>
<u>MARMATON</u>	<u>3548</u>	<u>(-1543)</u>
<u>ARBUCKLE</u>	<u>3625</u>	<u>(-1620)</u>
<u>RTD</u>	<u>3680</u>	<u>(-1675)</u>

A Dual Induction and a Dual Compensated Porosity Log were run to check for any missed Lansing zones and to confirm that we had 2 zones open during DST #3. The logs indicated that a staddle test covering the "B" zone of the Lansing might prove useful.

DRILL STEM TEST #6 3302 to 3342' KB 40' of Anchor

Blow: Off bottom of bucket in 1½ min. strong through both openings.

Times: Open 60, Closed 45, Open 60, Closed 45.

Recovered: 1586' Oil & Mud Cut Water (31% Oil)
chls. 56,000ppm

Pressures: IH 1681# IF 152-419# ISIP 667#
 FH 1624# FF 496-543# FSIP 667#

It was decided to run 5½" casing to produce the "B" zone of the Lansing Formation. Casing was ran on 11-15-92 to a depth of 3497' KB and cemented with 200 sx of EA-2 expanding cement.

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Sincerely,
James C. Hess
James C. Hess
Geological CONSERVATION DIVISION
Wichita, Kansas
AUG 18 1993
8-18-1993

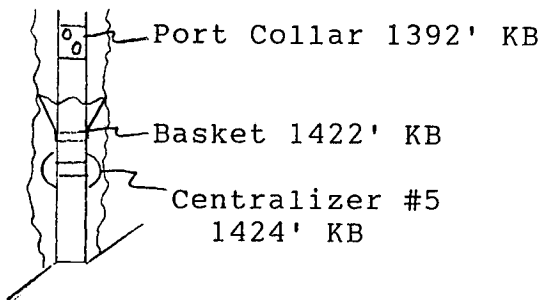
15-051-24818-00-00
HESS OIL COMPANY

412 East Douglas, Suite One
Wichita, Kansas 67202

(316) 263-2243

Mixer #2

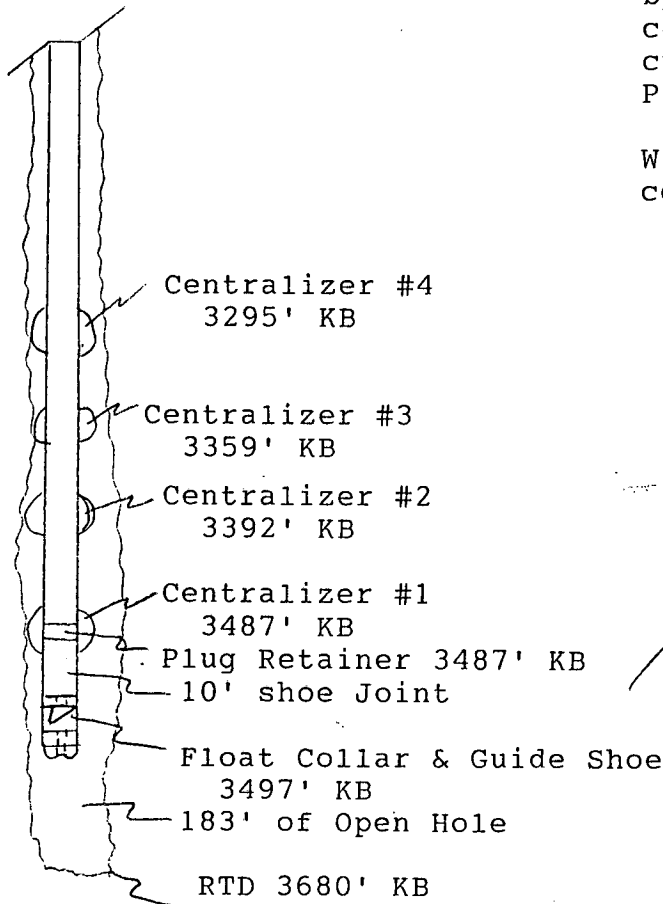
Casing Report:



11-15-92: Ran 109 jts of 15.50# 5½" casing and set at 3497' KB with 10' shoe joint.

Cemented with 500 gals. of chemical mud flush followed by 200 sx of EA-2 expanding cement. Maintained good circulation throughout job. Plug down at 1:05pm.

Will open port collar and cement later as needed.



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James C. Hess
Geologist

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8-18-1993
CONSERVATION DIVISION
Wichita, Kansas