



SIDE TWO

Operator Name Murfin Drilling Company Lease Name Allbert Well # 1  
 Sec. 30 Twp. 11S Rge. 19  East  West  
 County Ellis

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description  <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1462</td> <td>1506</td> </tr> <tr> <td>Neva</td> <td>2572</td> <td>2618</td> </tr> <tr> <td>Topeka</td> <td>3118</td> <td>3339</td> </tr> <tr> <td>Heebner</td> <td>3339</td> <td>3344</td> </tr> <tr> <td>Toronto</td> <td>3364</td> <td>3375</td> </tr> <tr> <td>Lansing KC</td> <td>3381</td> <td>3604</td> </tr> <tr> <td>Arbuckle</td> <td>3689</td> <td>n/a</td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1462	1506	Neva	2572	2618	Topeka	3118	3339	Heebner	3339	3344	Toronto	3364	3375	Lansing KC	3381	3604	Arbuckle	3689	n/a
Name	Top		Bottom																							
Anhydrite	1462		1506																							
Neva	2572		2618																							
Topeka	3118	3339																								
Heebner	3339	3344																								
Toronto	3364	3375																								
Lansing KC	3381	3604																								
Arbuckle	3689	n/a																								
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									

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	13 3/8	8 5/8	23	263	60/40 POZ	165	240 GEL 388 CC
Production	8 5/8	5 1/2	15.50	3764	50:50 POZ	225	1090 Salt & 3/4% HA332 7.5# Gilsomite

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
Shots Per Foot	Specify Footage of Each Interval Perforated		
4	3690-92	250 gal NOD 303	
4	3677-81	Retrest 1000 gal MOD 202 PAD	
		500 Gal MOD 202 PAD	
4	2610-12	250 gal MOD 303	
		1000 gal MOD 303	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<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)					
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: \_\_\_\_\_

\*Well Would not produce commercial quantities of oil.  
To Plug & Abandon

15-051-24722-0000

TELEPHONE:  
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.  
P. O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

TO: Murfin Drilling Company  
250 N. Water #300  
Wichita, Kansas 67202

INVOICE NO. 59201  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Allbert #1  
DATE April 4, 1991

SERVICE AND MATERIALS AS FOLLOWS:

*36*  
*M p.c.A*

Common 180 sks @\$5.25	\$ 945.00
Pozmix 120 sks @\$2.25	270.00
Gel 15 sks @\$6.75	101.25
Hulls 2 sks @\$15.00	<u>30.00</u>
Handling 300 sks @\$1.00	300.00
Mileage (20) @\$0.04¢ per sk per mi	940.00
Plugging	360.00
M1 @\$2.00 pmp. trk.	<u>40.00</u>

\$ 1,346.25

S. Tax 940.00  
120.03

Total \$ 2,406.28

*481.26*

1925.02

THANK YOU

*03601000 L0023A 2406.28 Cement/plus*  
All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.  
*Allbert 481.26*

RECEIVED  
MISSION

APR 17 1991

CUSTOMER SERVICE DIVISION  
Wichita, Kansas

Well, Kansas  
Well, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No 1621

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

15-051-24722-0000

Date <i>4-4-91</i>	Sec. <i>30</i>	Twp. <i>11S</i>	Range <i>19</i>	Called Out	On Location <i>9:00 AM</i>	Job Start <i>9:30 AM</i>	Finish <i>4:15 PM</i>
Lease <i>Albert</i>	Well No. <i>1</i>	Location <i>Yucca north N to Buckeye</i>		County <i>Ellis</i>	State <i>Ks</i>		
Contractor <i>Kelso Pasing pullers</i>				Owner <i>Rd 2 W 5 N 1 W</i>			
Type Job <i>plug to Abandon</i>				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.			
Hole Size	T.D.			Charge To <i>Murfin Dily</i>			
Csg. <i>8 1/2</i>	Depth <i>263</i>			Street <i>250 N. Water, Suite 300</i>			
Tbg. Size <i>5 1/2</i>	Depth <i>3764</i>			City <i>Wichita</i> State <i>Kan</i> <i>67202</i>			
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			<i>X Manny Boatwright</i>			
Press Max.	Minimum			<i>2 1/2 Halls CEMENT</i>			
Meas Line	Displace			Amount Ordered <i>2000 8 1/2 gal</i>			
Perf.				Consisting of			

## EQUIPMENT

Pumptrk <i>153</i>	No.	Cementer	<i>Dave</i>
		Helper	
Pumptrk	No.	Cementer	<i>ed</i>
		Helper	
Bulktrk <i>146</i>		Driver	
		Driver	

Common	<i>180</i>	<i>SKS @ 5.25</i>	<i>945.00</i>
Poz. Mix	<i>120</i>	<i>SKS @ 2.25</i>	<i>270.00</i>
Gel.	<i>15</i>	<i>SKS @ 6.75</i>	<i>101.25</i>
Chloride			
Quickset			
	<i>2 Halls @</i>	<i>15.00</i>	<i>30.00</i>
		Sales Tax	
Handling	<i>1.00 per SK</i>		<i>300.00</i>
Milage	<i>4¢ per SK mil</i>		<i>240.00</i>
	<i>20 mils</i>	Sub Total	
		Total	<i>1,886.25</i>

DEPTH of Job	
Reference:	<i>Pump trk. chg. 360.00</i>
	<i>2.00 per mile 40.00</i>
	Sub Total
	Tax
	Total <i>400.00</i>

Floating Equipment

Remarks: *shot pipe @ 280 mixed 180 sk w/c 2 Halls of C/C cement to surface pulled casing out of hole, filled casing w/c 70 sk*

APR 17 1991

# Kelso Casing Pulling, Inc.

Post Office Box 347  
 CHASE, KANSAS 67524  
 Phone (316) 938-2943

**ORIGINAL**

15-051-24722-0000  
 Invoice# 4557  
 (Control# 101822)

*P+A*  
*[Signature]*

**BILL TO**  
 Murfin Drilling Company  
 Suite 3000  
 250 N. Water  
 Wichita, Ks. 67202

**SHIP TO**  
 Murfin Drilling Company  
 Suite 3000  
 250 N. Water  
 Wichita, Ks. 67202

**RMS: NET 30 DAYS.** Service Charge of 1 1/2% per month (18% per year) will be added to past due invoices.

ACCOUNT NO.	SALES	ORDER NO.	SHIP VIA	COLL. PPD.	DATE SHIPPED	TERMS	INVOICE DATE	PAGE
U672		ALBERT 1			04/09/91	Net 30	04/09/91	

QUANTITY	ITEM NO.	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1		MOVE IN CHARGE	600.000	600.00
1894		5 1/2" CASING	0.550	1041.70
5		SACKS CEMENT	7.250	36.25
1		SAND	10.000	10.00
3		SHOTS	80.000	240.00
3		EXPENSE F/2 MEN	70.000	210.00

4-1-91 MOVED ON LOCATION. RIGGED UP  
 CHECKED HOLE.

4-2-91 LOADED HOLE, SANDED BOTTOM TO  
 3700', DUMPED 5 SACKS CEMENT.

4-3-91 CHECKED HOLE, SHOT @2500'  
 PULLED 23 JTS.

4-4-91 CHECKED HOLE, HUNG UP IN HOLE  
 CEMENTED @1300' SHOT @1127' WORKED PIPE  
 SHOT @727' WORKED PIPE FREE CIRCULATED  
 CEMENT TO SURFACE PULLED PIPE, TORE  
 DOWN. TOTAL 300 SACKS 8% GEL.

RECEIVED  
 STATE CORPORATION COMMISSION

APR 17 1991

REGISTRATION DIVISION  
 Wichita, Kansas



<b>SALE AMOUNT</b>	2137.95
<b>SALES TAX</b>	
<b>5 25% FREIGHT</b>	101.22
<b>TOTAL INVOICE</b>	2239.17

CCC COMMON CARRIER  
 CC MC-115378

DARRELL KELSO - President  
 MIKE KELSO - Vice-President

Kelso Casing Pulling, Inc.

ORIGINAL

Post Office Box 347  
CHASE, KANSAS 67524  
Phone (316) 938-2943

5/2

PIPE TALLY

DATE DEL. 4-4 19 91

CHARGE TO MURFIN Drilling Co.

LEASE Allbest WELL NO. 1

DESCRIPTION \_\_\_\_\_

TALLIED BY MANNY B.

	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH	FEET	INCH
1	42	70	45	-	43	10						
2	46	60	41	-	46	-						
3	43	50	46	20	46	10						
4	40	50	46	35	41	50*						
5	46	45	33	-								
6	41	10	46	50								
7	42	10	45	10								
8	41	55	44	30								
9	46	-	42	30								
10	47	-	38	25								
11	45	70	42	55	-							
12	42	50	44	80								
13	42	40	41	55								
14	46	30	42	-								
15	34	35	41	80								
16	40	70	34	40								
17	44	50	43	40								
18	43	60	46	30								
19	42	50	46	50								
20	41	40	45	60								
1	861	25	855	90	176	70						
2	855	90	THE ABOVE _____ JOINTS RECEIVED IN GOOD ORDER									
3	176	70	BY _____									
4			ORIGINAL TO REMAIN IN BOOK - DUPLICATE TO BE ATTACHED TO CUSTOMER'S INVOICE - TRIPLICATE TO BE GIVEN TO CUSTOMER'S REPRESENTATIVE AT TIME OF DELIVERY.									
5												
6												
1	893	85										

RECEIVED  
STATE CORPORATION COMMISSION

APR 1 1991

CONSERVATION DIVISION  
WELL REG. BRANCH

TELEPHONE:  
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.  
P. O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

15-051-24722-0000

TO: Murfin Drilling Co., Inc.  
250 N. Water #300  
Wichita, Kansas 67202

INVOICE NO. 58648  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Allbert 1-30  
DATE Jan. 29, 1991

SERVICE AND MATERIALS AS FOLLOWS:

Common 99 sks @\$5.25 \$ 519.75  
Pozmix 66 sks @\$2.25 148.50  
Chloride 5 sks @\$21.00 105.00

\$ 773.25

Handling 165 sks @\$1.00 165.00  
Mileage (16) @\$0.04c per sk per mi 105.60  
Surface 380.00  
Ml @\$2.00 pmp. trk. 32.00  
1 plug 42.00

724.60

Total

\$ 1,497.85

Cement circ.

(299.57)

\$1,198.28

RECEIVED  
STATE OF KANSAS  
CONSERVATION DIVISION

MAR 5 1991

CONSERVATION DIVISION  
Wichita Kansas

THANK YOU

03600 200 W 11250 199.85

(299.57)

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

627, Russell, Kansas  
 5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N° 9545

Home Office P. O. Box 31 Russell, Kansas 67465

New

15-051-24722-0000

Case	Sec	Twp.	Range	Called Out	On Location	Job Start	Finish
1-29-91	30	11 <sup>s</sup>	19				5:00 AM
Albert	Well No. 1-30	Location Yocemento Rd W to Buckeye		County	Ellis	State	Kc

Contractor	Martin Dclg Rig #8
Type Job	Surface
Hole Size	12 1/4
T.D.	265
Cag.	8 1/2
Depth	263
Tbg. Size	
Depth	
Drill Pipe	
Depth	
Tool	
Depth	
Cement Left in Cag.	10' 15"
Shoe Joint	
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner RI 2WSN 1W  
 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.

Charge To	Martin Dclg Co Inc.
Street	250 N Water Suite 300
City	Wichita
State	KANSAS
	67202

The above was done to satisfaction and supervision of owner agent or contractor.  
 Purchase Order No.  
 X

**EQUIPMENT**

No.	Cementor	
153	Helper	Dave
		Geared
No.	Cementor	
	Helper	
	Driver	Mark
	Driver	

<b>CEMENT</b>	
Amount Ordered	165 <sup>00</sup> 3% CC 2% gel
Consisting of	
Common	99 @ 525 = 51975
Poz. Mix	66 @ 225 = 14850
Gel.	3 @ N/C = N/C
Chloride	5 @ 20 <sup>00</sup> = 105 <sup>00</sup>
Quickset	

<b>DEPTH of Job</b>	
Reference:	380 <sup>00</sup>
Dump tak chg	
2 <sup>00</sup> per mile	32 <sup>00</sup>
8' warden plug	42 <sup>00</sup>
Sub Total	
Tax	
Total	454 <sup>00</sup>

Handling	100	165 <sup>00</sup>
Mileage	40/SK/MILE	105 <sup>60</sup>
Sub Total		
Total		1043 <sup>85</sup>

Remarks: Cement C/c

Flooding Equipment

MAR 5 1991

CONSERVATION DIVISION  
 Wichita, Kansas



**HALLIBURTON SERVICES**  
A Division of Halliburton Company

TICKET

NO. **080472-7**

ORIGINAL  
15051-24722-0000

FORM 1808 R-11

WELL NO. - FARM OR LEASE NAME <b>1-30-01-1 Albert</b>		COUNTY <b>ELLIS</b>	STATE <b>KS</b>	CITY / OFFSHORE LOCATION	DATE <b>2-6-91</b>
CHARGE TO <b>MURKIN DRUG CO.</b>		OWNER <b>SAME</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <b>SAME</b>	LOCATION <b>1 HAYS, KS.</b>		CODE <b>25525</b>
CITY, STATE, ZIP		SHIPPED VIA <b>Loc.</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <b>2</b>	CODE
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>N. W. HAYS, KS.</b>	LOCATION <b>3</b>	CODE
TYPE AND PURPOSE OF JOB <b>035</b>		<b>B-</b>	ORDER NO.	REFERRAL LOCATION	

An acknowledgment, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. 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 enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117		1		MILEAGE 347.2	21	MS			2.35	49	35
		1		Surcharge	21	MS			.40	8	40
001-016		1		pump charge	3768	FT				1,145	00
530-016		1		Top Plug	52	IN				47	00
60	807.0007	1		KALL CLEANER	35	EA			22.00	770	00
40	807.93022	1		5-4 Cents	8	EA			44.00	352	00
325	800.8883	1		Cmt. Basket	2	EA			90.00	180	00
73	813.0151	1		F.O. Cmt.	1	EA				1,610	00
12-A	825.205	1		Reg. Guideshee	1	EA				104	00
24 A	815.19251	1		Insert ALOKIT valve	1	EA				83	00
27	815.19311	1		ALLU ASS.	1	EA				30	00

NOT AN INVOICE  
MAR 5 1991

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO: **B- 904000** **3266 53**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X **W. C. Hines**  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **W. C. Hines**  
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

**R. A. Berens 57220**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL \_\_\_\_\_

CUSTOMER

SUB TOTAL \_\_\_\_\_  
APPLICABLE TAXES WILL BE ADDED ON INVOICE.



HALLIBURTON SERVICES

# JOB SUMMARY

DIVISION CONSERVATION  
HALLIBURTON LOCATION Hays, ks.

15051-24722-0000  
BILLED ON TICKET NO. 080472

CUSTOMER Murfis Drilling Co.  
LEASE Albert  
WELL NO. 4130  
JOB TYPE Long string  
DATE 2-6-91

WELL DATA

FIELD 30 TWP 11 RMC 19 COUNTY Ellis STATE ks.

FORMATION NAME \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_  
INITIAL PROD. ON \_\_\_\_\_  
PRESENT PROD. ON \_\_\_\_\_  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE F.O. SET AT 1498'  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 3765'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>5 1/2 Reg.</u>	<u>1</u>	<u>Hanco</u>
CENTRALIZERS <u>5-4</u>	<u>8</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5 1/2</u>	<u>1</u>	<u>"</u>
HEAD		
PACKER <u>F.O.</u>	<u>1</u>	<u>"</u>
OTHER <u>WALK LEANERS 3 5/8</u>	<u>1</u>	<u>"</u>

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-5-91</u>	DATE <u>2-6-91</u>	DATE <u>2-6-91</u>	DATE <u>2-6-91</u>
TIME <u>21:00</u>	TIME <u>24:00</u>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Berens</u>	<u>3472</u>	<u>Hays, ks.</u>
<u>A. Gable</u>		

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY.  
OTHER 10 BBLs supper flush  
OTHER 15 BBLs salt flush

DEPARTMENT cm+  
DESCRIPTION OF JOB cm+ 5 1/2" Long string

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X  
HALLIBURTON OPERATOR R.A. Berens  
COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL
<u>1</u>	<u>225</u>	<u>50-50 A</u>	<u>Po2</u>	<u>8</u>	<u>10% SALT, 2% Hal Ad-322, 7% Gilsonite Pensk</u>	<u>1.20</u>	<u>14.2</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET 22.62' REASON shoe joint

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL 25 TYPE \_\_\_\_\_  
LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL 89  
CEMENT SLURRY: BBL-GAL 49  
TOTAL VOLUME, BBL-GAL \_\_\_\_\_

REMARKS

MAR 5 1991

CONSERVATION DIVISION  
Wichita, Kansas

15051-24722-0000



# WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 080472

DISTRICT Hays, ks DATE 2-6-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Murfin Oil Co. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 91-30 LEASE Albert SEC. 30 TWP. 11 RANGE 19

FIELD \_\_\_\_\_ COUNTY Ellis STATE ks OWNED BY same

## THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

PACKER: TYPE E.O. SET AT 1498'

TOTAL DEPTH 3765 MUD WEIGHT \_\_\_\_\_

BORE HOLE \_\_\_\_\_

INITIAL PROD.: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF \_\_\_\_\_

PRESENT PROD.: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>2</u>	<u>16.5</u>	<u>5 1/2</u>	<u>6L</u>	<u>3764'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS			<u>MAR 5</u>	<u>1991</u>		
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED

cont 5 1/2" long string cmt by 225 lbs 50-50 P02  
1090 SALT 4% Halad-322 7 1/2" bit per sk  
15 BBLs SALT Flush  
10 BBLs supper Flush

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are 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 attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
  - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
    - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
    - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
    - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
  - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
  - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies punitive or consequential damages.
  - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
  - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
  - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
  - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED \_\_\_\_\_ CUSTOMER

DATE 2-6-91

we certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.



**JOB LOG**

WELL NO. 4130 LEASE Albert

1505124722.0000  
TICKET NO. 090173

CUSTOMER Murkin Drilling Co.

PAGE NO. 1

JOB TYPE Long string

DATE 2-6-91

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	21:00							called out ORIGINAL
	24:00							on loc. w/ float evident
	01:00							rig laying down Drilling collar
								Drilling collar out rig up to
								run 5 1/2" CSB
								center 1-2-5-10-36-40-63-65
								F.O. on 64771498'
								3 5/8" wall cleaner &
								rotatorhead
	02:20							st CSB
	04:00							Drop ball 3 JTS out Hook up to
	05:30							cin fan 45 mins
	06:25	6	15					200 pump salt flush
	06:29	6	10					200 pump supper flush
	06:33	6	50					200 mix amt 225 lbs 50-50 602
								1070 salt 3/4" Haled-322
								7 1/2" Wilsonite
	06:45							Finish mt wash plug mt
								hole & wash line out
	06:48							st disp.
	06:57	7	89					face plug down gas down
								rotate pipe throughout
								the job stop rotate the last
								10 BBL of disp.
								Job comp.

RECEIVED  
MISSION

MAR 5 1991

CONSTRUCTION DIVISION  
Wichita, Kansas

R. Berens 57220  
A. Gable  
C.

ORIGINAL

# CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67242

15051-24722-0000

## DRILL-STEM TEST DATA

Company	Murfin Drlg. Co.	Test No.	1
Well Name & Number	Allbert #1-30	Zone Tested	Arbuckle
Company Address	250 N. Water#300, Wichita, Kan. 67202	Date	2-3-91
Company Rep.	Roger Welty	Tester	Huck Smith
Contractor	Murfin Drlg. Co. #8	Elevation	2059 K.B.
Location: Sec. 30 Twp. 11S Rge. 19W Co. Ellis State Kan.		Est. Feet of Pay	
Recorder No. 13364 Type AK-1 Range 3825 PSI		Recorder No. 13770 Type AK-1 Range 4200 PSI	
Recorder Depth 3687 Clock # 21123		Recorder Depth 3690 Clock # 25559	
(A) Initial Hydrostatic Mud 2065 PSI		Tool Open Before I.S.I. 30 Mins.	
(B) First Initial Flow Pressure 96 PSI		Initial Shut-in 45 Mins.	
(C) First Final Flow Pressure 96 PSI		Flow Period 60 Mins.	
(D) Initial Shut-in Pressure 1133 PSI		Final Shut-in 90 Mins.	
(E) Second Initial Flow Pressure 125 PSI		Top Choke Size 1" Hole Size 7 7/8"	
(F) Second Final Flow Pressure 134 PSI		Bottom Choke Size 3/4" Rubber Size 6 3/4"	
(G) Final Shut-in Pressure 1104 PSI		Tool Open @ 1:30 P.M.	
(H) Final Hydrostatic Mud 2017 PSI		Blow Remarks 1st. open; Fair blow 7"	
Temperature 115°		2nd open; 8"	
Mud Weight 10 Viscosity 43			
Fluid Loss 10.0 c.c.			
Interval Tested 3642-3695			
Anchor Length 53'			
Top Packer Depth 3637			
Bottom Packer Depth 3642			
Total Depth 3695			
Drill Pipe Size 4 1/2 EX.H.			
Int. Pipe I. D. - Ft. Run -			
Recovery-Total Feet 220			
Recovered 60 Feet Of 65% Oil 35% Mud			
Recovered 160 Feet Of 55% Oil 45% Mud			
Recovered _____ Feet Of _____			
Recovered _____ Feet Of _____			
Recovered _____ Feet Of _____			
Recovered _____ Feet Of _____			
Extra Equipment _____ Price of Job _____			

ORIGINAL

15-051-24722-00000

CHENEY TESTING CO, INC.  
CALCULATION OF FORMATION CHARACTERISTICS  
FROM DST DATA

\*\*\*\*\*

FOR: MURFIN DRLG. CO., INC.  
ALLBERT #1-30  
30-11S-19W  
ELLIS CO., KAN.

DST # 1  
FORMATION: ARBUCKLE  
ELEVATION: 2059 KB

\*\*\*\*\*

TEST PARAMETERS

TEST INTERVAL: 3642 - 3695  
TIME INTERVAL: 30 - 45 - 60 - 90  
INITIAL FLOW PRESS: 93.2- 96.0  
FINAL FLOW PRESS: 117.2- 137.3  
SHUT-IN PRESS(I-F):1137.1-1103.5  
BOTTOM HOLE TEMPERATURE: 115  
TOTAL FEET OF RECOVERY: 220

EST PAY: 5  
VISCOSITY OF FLUID: 9.5  
HOLE SIZE: 7.875  
D.C. CAPACITY:0.00000  
W.P. CAPACITY:0.00000  
D.P. CAPACITY:0.01402  
TOTAL BARRELS RECOVERY: 3.0845

\*\*\*\*\*

EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 1190  
SLOPE (PSI-CYCLE): 245 POINTS USED: 3

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 1150  
SLOPE (PSI-CYCLE): 155 POINTS USED: 6

\*\*\*\*\*

CALCULATIONS

PRODUCTION POTENTIAL (B/D) : 49.35  
TRANSMISSIBILITY (MD-FT/CP) : 51.77  
EFFECTIVE PERMEABILITY (MD) : 98.37  
PRODUCTIVITY INDEX (B/D/PSI) : 0.0585  
DAMAGE RATIO : 1.196  
APPROXIMATE RADIUS OF INVESTIGATION (FT) : 94.1  
DRAWDOWN FACTOR (%) : 3.361  
POTENTIOMETRIC SURFACE (FT) :1030.85

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15-051-24722-0000

INITIAL SHUT-IN

=====

RECORDER NO: 13364 DEPTH: 3695 FT.  
INITIAL FLOW TIME (T): 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	96.0
5	0.845	318.9
10	0.602	979.6
15	0.477	1053.6
20	0.398	1089.1
25	0.342	1104.5
30	0.301	1114.1
35	0.269	1126.6
40	0.243	1129.5
45	0.222	1137.1

FINAL SHUT-IN

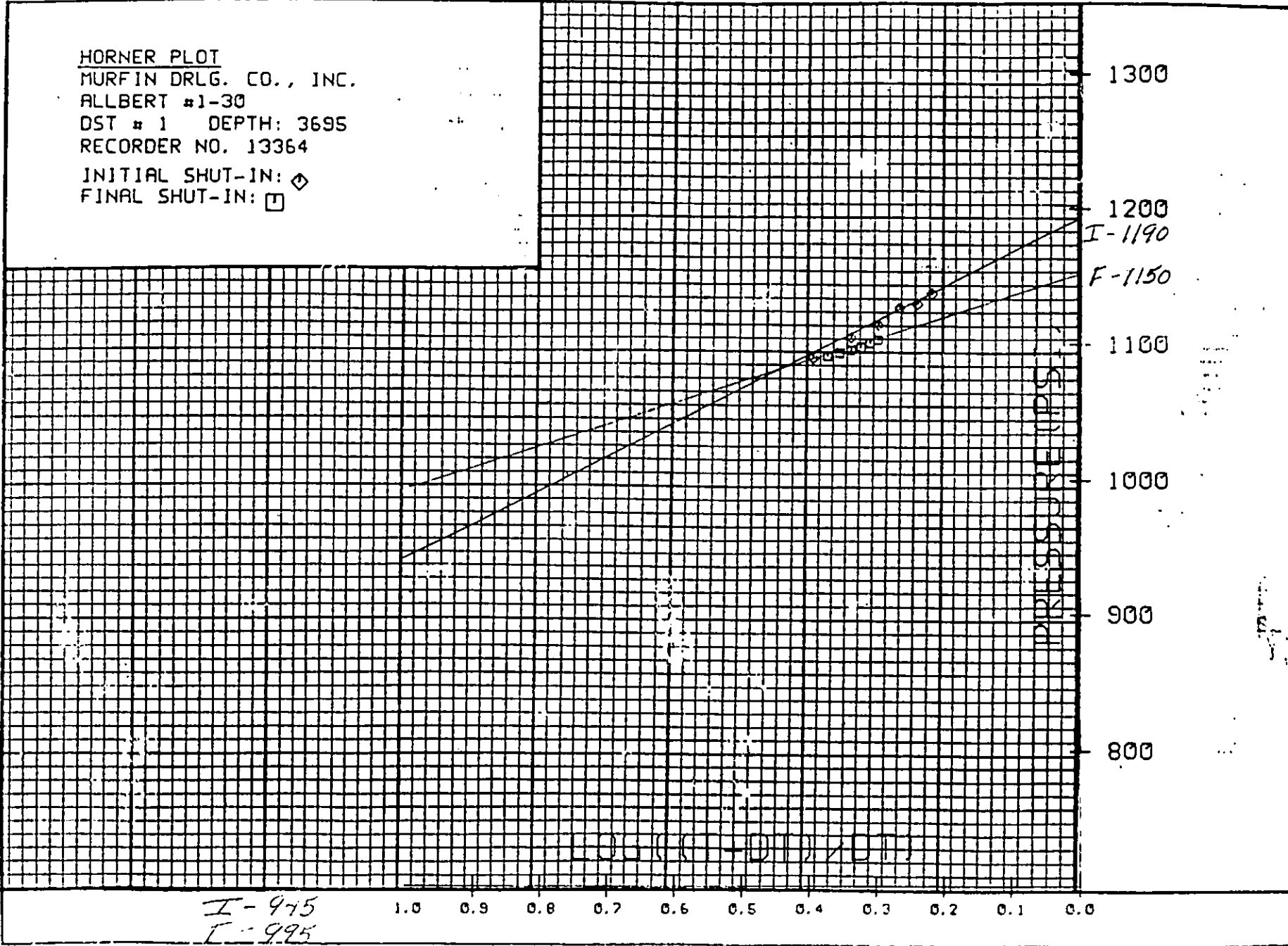
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RECORDER NO: 13364 DEPTH: 3695 FT.  
TOTAL FLOW TIME: 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	137.3
5	1.279	384.2
10	1.000	908.6
15	0.845	977.7
20	0.740	1008.4
25	0.663	1026.7
30	0.602	1043.0
35	0.553	1054.5
40	0.512	1065.1
45	0.477	1071.8
50	0.447	1077.6
55	0.421	1085.3
60	0.398	1089.1
65	0.377	1091.0
70	0.359	1093.0
75	0.342	1094.9
80	0.327	1097.8
85	0.314	1100.6
90	0.301	1103.5



HORNER PLOT  
 MURFIN DRG. CO., INC.  
 ALLBERT #1-30  
 DST # 1 DEPTH: 3695  
 RECORDER NO. 13364  
 INITIAL SHUT-IN:  $\diamond$   
 FINAL SHUT-IN:  $\square$

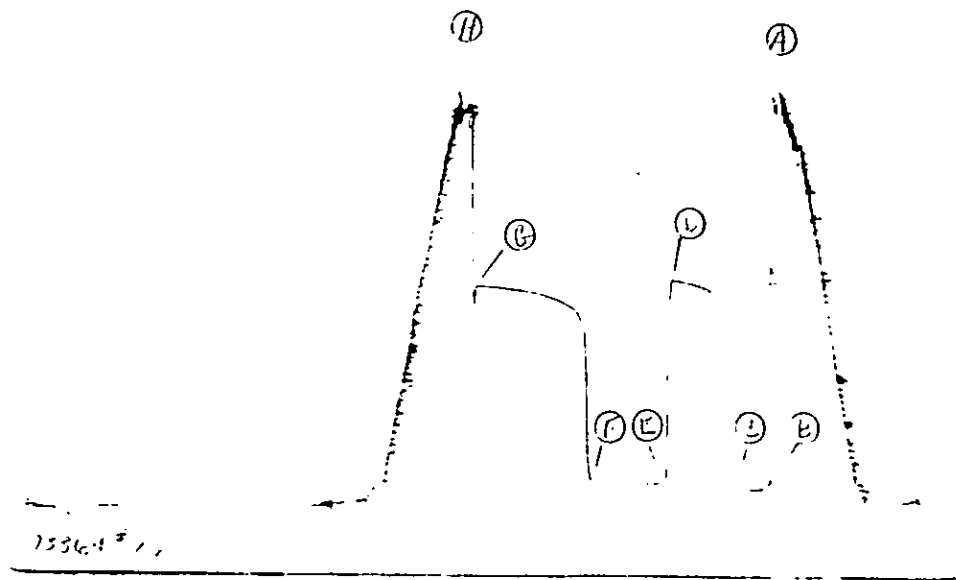


I-975  
 I-995

15:057.24722.0000

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ORIGINAL



POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2065	2036	PSI
(B) First Initial Flow Pressure	96	93.2	PSI
(C) First Final Flow Pressure	96	96.0	PSI
(D) Initial Closed-in Pressure	1133	1137.1	PSI
(E) Second Initial Flow Pressure	125	117.2	PSI
(F) Second Final Flow Pressure	134	137.3	PSI
(G) Final Closed-in Pressure	1104	1103.5	PSI
(H) Final Hydrostatic Mud	2017	2014	PSI

# CHENEY TESTING COMPANY, INC.

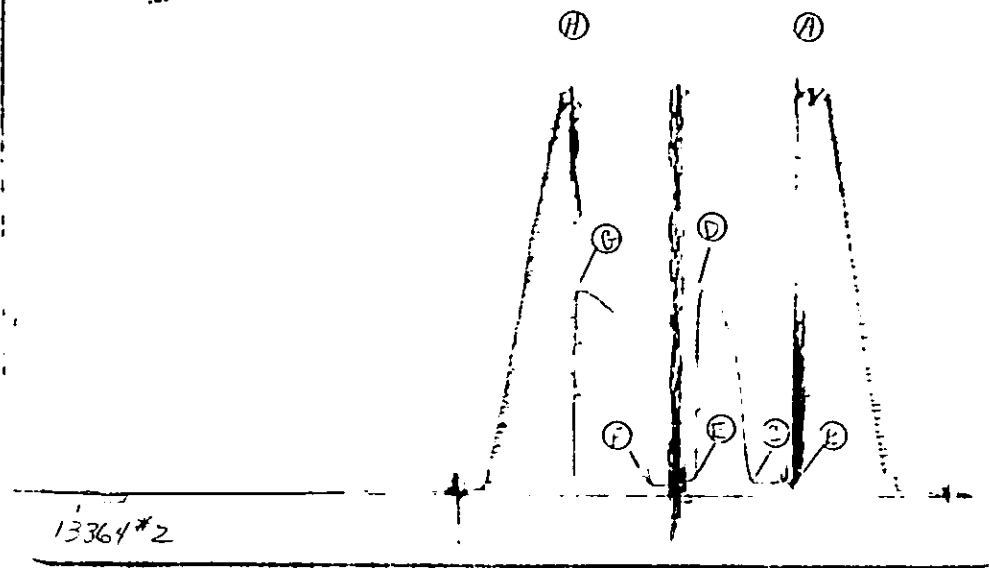
P. O. Box 367

HILL CITY, KANSAS 67642

15051-24722-0000

## DRILL-STEM TEST DATA

Company <u>Murfin Drlg. Co.</u>		Test No. <u>2</u>
Name & Number <u>Allbert #1-30</u>		Zone Tested <u>Arbuckle</u>
Company Address <u>250 N. Water#300, Wichita, Kan. 67202</u>		Date <u>2-4-91</u>
Company Rep. <u>Roger Welty</u>		Tester <u>Huck Smith</u>
Locator <u>Murfin Drlg. Co. #8</u>		Elevation <u>2059 K.B.</u>
Loc: Sec. <u>30</u> Twp. <u>11S</u> Rge. <u>19W</u> Co. <u>Ellis</u> State <u>Kan.</u>		Est. Feet of Pay _____
Order No. <u>13364</u> Type <u>AK-1</u> Range <u>3825</u> PSI	Recorder No. <u>13770</u> Type <u>AK-1</u> Range <u>4200</u> PSI	
Order Depth <u>3683</u> Clock # <u>21123</u>	Recorder Depth <u>3697</u> Clock # <u>25559</u>	
Initial Hydrostatic Mud <u>2017</u> PSI	Tool Open Before I.S.I. <u>30</u> Mins.	
First Initial Flow Pressure <u>67</u> PSI	Initial Shut-in <u>45</u> Mins.	
First Final Flow Pressure <u>67</u> PSI	Flow Period <u>30</u> Mins.	
Initial Shut-in Pressure <u>1028</u> PSI	Final Shut-in <u>45</u> Mins.	
Second Initial Flow Pressure <u>67</u> PSI	Top Choke Size <u>1"</u> Hole Size <u>7 7/8"</u>	
Second Final Flow Pressure <u>67</u> PSI	Bottom Choke Size <u>3/4"</u> Rubber Size <u>6 3/4"</u>	
Final Shut-in Pressure <u>1028</u> PSI	Tool Open @ <u>4:30 A.M.</u>	
Final Hydrostatic Mud <u>2017</u> PSI	Blow Remarks <u>1st open; Weak blow !! decreasing.</u>	
Temperature <u>115°</u>	<u>2nd open; No blow</u>	
Weight <u>10</u> Viscosity <u>43</u>	<u>Flushed tool after 15 minutes</u>	
Loss <u>10.0 c.c.</u>	<u>No help</u>	
Tested <u>3695-3700</u>	<u>Slid 6' to bottom</u>	
Tool Length <u>5'</u>		
Packer Depth <u>3690</u>		
Minimum Packer Depth <u>3695</u>		
Depth <u>3700</u>		
Pipe Size <u>4 1/2 EX.H.</u>		
Pipe I. D. <u>-</u> Ft. Run <u>-</u>		
Corey-Total Feet <u>20</u>		
Cored <u>20</u> Feet Of <u>Mud w/few oil spots</u>		
Cored _____ Feet Of _____		
Cored _____ Feet Of _____		
Cored _____ Feet Of _____		
Cored _____ Feet Of _____		
Cored _____ Feet Of _____		
Equipment _____	Price of Job _____	



POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) Initial Hydrostatic Mud	2017	PSI
(B) First Initial Flow Pressure	67	PSI
(C) First Final Flow Pressure	67	PSI
(D) Initial Closed-in Pressure	1028	PSI
(E) Second Initial Flow Pressure	67	PSI
(F) Second Final Flow Pressure	67	PSI
(G) Final Closed-in Pressure	1028	PSI
(H) Final Hydrostatic Mud	2017	PSI

# CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

ORIGINAL

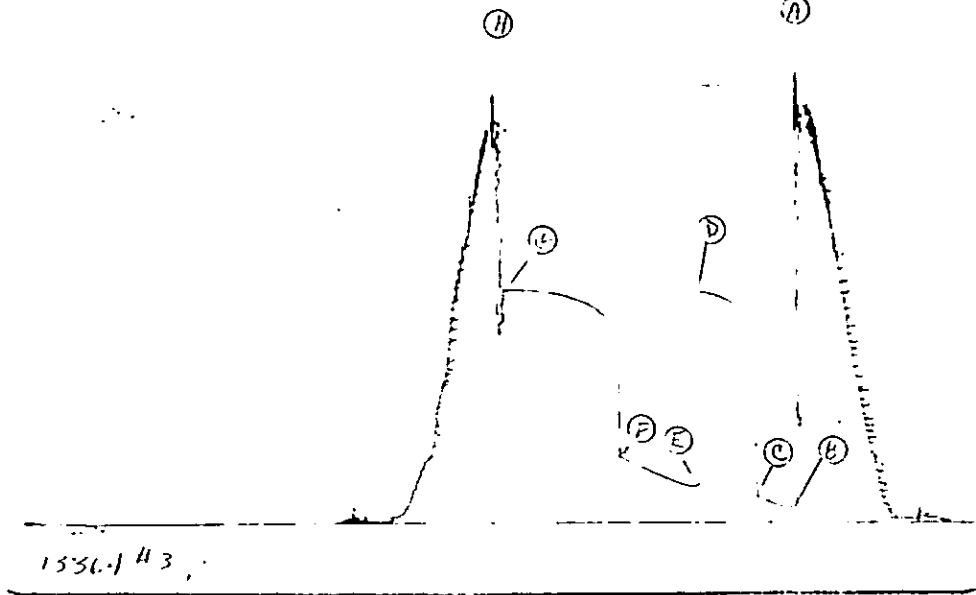
## DRILL-STEM TEST DATA

15-051-24722-0000

Company <u>Murfin Drlg. Co.</u>		Test No. <u>3</u>
Name & Number <u>Allbert #1-30</u>		Zone Tested <u>Arbuckle</u>
Company Address <u>250 N. Water #300, Wichita, Kan. 67202</u>		Date <u>2-4-91</u>
Company Rep. <u>Roger Welty</u>		Tester <u>Huck Smith</u>
Locator <u>Murfin Drlg. Co. #8</u>		Elevation <u>2059 K.B.</u>
Sec. <u>30</u> Twp. <u>11S</u> Rge. <u>19W</u> Co. <u>Ellis</u> State <u>Kan.</u>		Est. Feet of Pay _____
Order No. <u>13364</u> Type <u>AK-1</u> Range <u>3825</u> PSI	Recorder No. <u>13770</u> Type <u>AK-1</u> Range <u>4200</u> PSI	
Order Depth <u>3687</u> Clock # <u>21123</u>	Recorder Depth <u>3710</u> Clock # <u>25559</u>	
Initial Hydrostatic Mud <u>2094</u> PSI	Tool Open Before I.S.I. <u>30</u> Mins.	
First Initial Flow Pressure <u>67</u> PSI	Initial Shut-in <u>45</u> Mins.	
First Final Flow Pressure <u>134</u> PSI	Flow Period <u>60</u> Mins.	
Initial Shut-in Pressure <u>1152</u> PSI	Final Shut-in <u>90</u> Mins.	
Second Initial Flow Pressure <u>182</u> PSI	Top Choke Size <u>1"</u> Hole Size <u>7 7/8"</u>	
Second Final Flow Pressure <u>326</u> PSI	Bottom Choke Size <u>3/4"</u> Rubber Size <u>6 3/4"</u>	
Final Shut-in Pressure <u>1171</u> PSI	Tool Open @ <u>8:45 P.M.</u>	
Final Hydrostatic Mud <u>2084</u> PSI	Blow Remarks <u>Strong blow on 1st &amp; 2nd open</u>	
Temperature <u>118°</u>		
Weight <u>10</u> Viscosity <u>50</u>		
Loss <u>-</u> 10.0 c.c.		
Interval Tested <u>3705-3713</u>		
Interval Length <u>8'</u>		
Packer Depth <u>3700</u>		
Bottom Packer Depth <u>3705</u>		
Depth <u>3713</u>		
Pipe Size <u>4 1/2 EX.H.</u>		
Pipe I. D. <u>-</u> Ft. Run <u>-</u>		
Interval Total Feet <u>690</u>		
Interval <u>690</u> Feet Of <u>Saltwater</u>	Chlorides; <u>24,000 P.P.M.</u>	
Interval <u>      </u> Feet Of <u>      </u>		
Interval <u>      </u> Feet Of <u>      </u>		
Interval <u>      </u> Feet Of <u>      </u>		
Interval <u>      </u> Feet Of <u>      </u>		
Interval <u>      </u> Feet Of <u>      </u>		
Equipment <u>      </u>	Price of Job <u>      </u>	

ORIGINAL

15-051-24722-0000



POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) Initial Hydrostatic Mud	2094	PSI
(B) First Initial Flow Pressure	67	PSI
(C) First Final Flow Pressure	134	PSI
(D) Initial Closed-in Pressure	1152	PSI
(E) Second Initial Flow Pressure	182	PSI
(F) Second Final Flow Pressure	326	PSI
(G) Final Closed-in Pressure	1171	PSI
(H) Final Hydrostatic Mud	2084	PSI