

ORIGINAL

CONFIDENTIAL

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 # 3988

Name: SLAWSON EXPLORATION COMPANY, INC.

Address 20 N. Broadway - Suite 700

City/State/Zip Oklahoma City, OK 73102

Purchaser: Inland Crude

Operator Contact Person: Stephen B. Slawson

Phone (405) 232-0201

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

8-28-90

9-07-90

10-28-90

Spud Date

Date Reached TD

Completion Date

API NO. 15- 171-20,413 ~~4000~~

County Scott

NE NE NE Sec. 35 Twp. 18S Rge. 32 East West

4950' Ft. North from Southeast Corner of Section

330' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

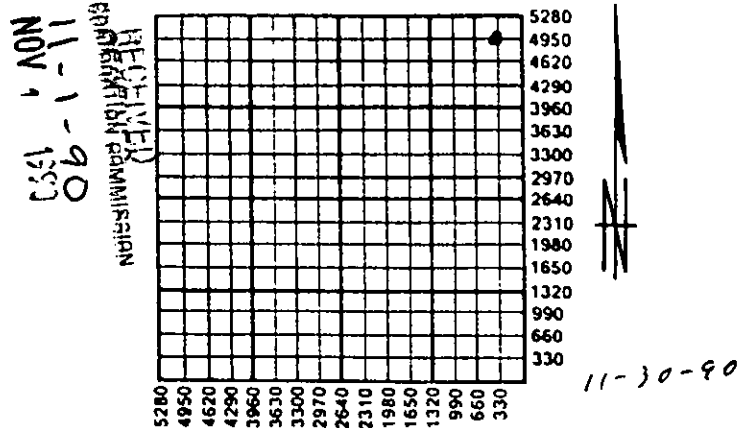
Lease Name GRUBE "B" Well # 1

Field Name wildcat

Producing Formation Altamont 'B'

Elevation: Ground 2966' KB 2971'

Total Depth 4650' PBTD 4608'



Amount of Surface Pipe Set and Cemented at 365' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2320 Feet

If Alternate II completion, cement circulated from 2320

feet depth to surface w/ 450 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Division Engineer Date 10/26/90

Subscribed and sworn to before me this 26 day of October, 1990.

Notary Public [Signature]

Date Commission Expires September 13, 1994

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other

(Specify)

NP 11901

SIDE TWO

Operator Name Slawson Exploration Company, Inc. Lease Name GRUBE "B" Well # 1
 Sec. 35 Twp. 18S Rge. 32 East West County SCOTT

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.)

DST #1 - See attached sheet

DST #2 - See attached sheet

DST #3 - See attached sheet

Formation Description

Log Sample

Name Top Bottom

SEE ATTACHED SHEET

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	365'	60/40 Poz	300	2% Gel, 3% CF
Production	7 7/8"	4 1/2"	10.5	4649'	50/50 Poz	185	CFR 3 # Floseal
DV tool		top stage		2320'	Halco lite	450	1/4#/sx floseal

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Depth	
4	4465-67' Myrick Station	w/250 gals 7-1/2% MCA	4465-67'
	CIBP		4420'
2	4377-4379' Altamont 'B'	w/250 gals 15% MCA	4377-4379'

TUBING RECORD

Size 2-3/8 Set At 4350' Packer At _____

Liner Run Yes No

Date of First Production 10/5/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	13.15	0	96.43	---	32.2°

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 _____

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Attached Sheet for Grube 'B' #1
Sec. 35-18S-32W
Scott County, KS
Operator Lic. #3988

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STATE CORPORATION COMMISSION

NOV 1990

CONSERVATION DIVISION
Wichita, Kansas

DRILL STEM TEST:

DST #1 - 4185'-4199', 30-40-45-60 min intervals, rec 2500' water, IHP 2085#, FHP 2074#, IFP 116-650#, FFP 696-1040#, ISI 1130#, FSI 1126#.

DST #2 - test Altamont 'B' & 'C' 4364-4402', 30-45-45-60 min intervals, rec 300' gas in pipe, 290' fluid as follows: 50' HO & GCM, 30% oil, 10% gas, 60% mud; 210' w/sli mud cut gassy oil, 5% mud, 10% gas, 85% oil, 30' sli oil cut muddy water, 5% oil, 20% mud, 75% water. IHP 2207#, FHP 2198#, IFP 92-78#, FFP 110-114#, ISI 1152#, FSI 1142#.

DST #3 - Test Myrick Station & Cherokee 4448-4560', 30-45-45-60 min intervals, rec 240' GC mud (10% gas, 90% mud) & 540' HOCG mud (35% oil, 15% gas, 50% mud) HP 2267-2270#, IFP 250-370# w/plugging, FFP 382# plugged, ISIP 1507#, FSIP 1468#.

LOG TOPS:

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>
Anhy	2284'	+ 687
B Anhy	2300'	+ 671
Heebner	3890'	- 919
Toronto	3910'	- 939
Lansing	3935'	- 964
70' zone	4032'	-1061
Muncie Creek	4116'	-1145
Stark	4225'	-1254
BKC	4300'	-1329
Altamont 'A'	4348'	-1377
Altamont 'B'	4376'	-1405
Altamont 'C'	4400'	-1429
Pawnee	4435'	-1464
Myrick Station	4463'	-1492
Ft. Scott	4475'	-1504
L. Cherokee	4495'	-1524
Johnson	4542'	-1571
Mississippi	4591'	-1620
LTD	4653'	-1682

ORIGINAL

CONFIDENTIAL

Phone 913-483-2627, Russell, Kan.
Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2
Phone Ness City 913-798-384

ALLIED CEMENTING CO., INC. No. 7048

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-29-90				12:00 AM	2:15 AM	4:15 AM	4:45 AM

Lease <u>Grube B</u>	Well No. <u>1</u>	Location <u>Gryston SW 1/4</u>	County <u>Scott</u>	State <u>KS</u>
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Contractor L.D. Dalg...

Owner SAME

Type Job ...

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 12 1/4 T.D. 365

Charge To Stinson

Csg. 751 Depth 365'

Street

Tbg. Size Depth

City State

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 ...

Press Max. Minimum

CEMENT

Meas Line Displace 2266L

Amount Ordered 250 60/40 2 1/2 50 3 1/2 50

Perf.

Consisting of ...

EQUIPMENT

Pumptrk	No.	Cementer	<u>KRS</u>
		Helper	<u>...</u>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk		Driver	<u>Bill W</u>
		Driver	

Common
Poz. Mix
Gel.
Chloride
Quickset
Sales Tax

DEPTH of Job

Reference:		Sub Total	Tax	Total
1	<u>...</u>			
1	<u>...</u>			

Handling
Mileage
Sub Total
Total
Floating Equipment

Remarks: ...

RECEIVED
STATE REGISTRATION COMMISSION
NOV 1 1990

CONSERVATION DIVISION
Wichita, Kansas

40160

HALLIBURTON SERVICES
Duncan, Oklahoma 73838
A Division of Halliburton Company

CONFIDENTIAL

EWF

TICKET

NO 005838-8

1670 Cmt & B m @ 70 Sugar

WELL NO. - FARM OR LEASE NAME # Corubee B.	COUNTY Scott	STATE Ks	CITY / OFFSHORE LOCATION	DATE 9-7-90
CHARGE TO Slawson Exploration Co., Inc.	OWNER Same	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 104 South Broadway	CONTRACTOR L. D. Drlg.	LOCATION 1 Ness City, Ks		CODE 25553
CITY, STATE, ZIP Wichita, Ks 67202	SHIPPED VIA Ness City	WEIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Hays, Ks	CODE 25525
WELL TYPE 01	WELL CATEGORY 03	WELL PERMIT NO.	DELIVERED TO S&E of Scott City, Ks	LOCATION 3
TYPE AND PURPOSE OF JOB 030		ORDER NO. B-515900	REFERRAL LOCATION	

As consideration, 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 51145	55	mi			235	12925
007-013	001-016	1		Pump Service	4670	ft			1260 ⁰⁰	126000
007-161		1		Additional Stage	1	ea			950 ⁰⁰	95000
26	847.6316	1		Insert Float shoe	1	ea	4 1/2	in	216 ⁰⁰	21600
71	813.10161	1		Multiple Stage Cementer	1	ea	4 1/2	in	2350 ⁰⁰	235000
75	812.0112	1		Plug Set	1	ea	4 1/2	in	330 ⁰⁰	33000
40	807.93004	1		Centralizer S-4	8	ea	4 1/2	in	41 ⁰⁰	32800
320	800.8881	1		Cement Baskets	2	ea	4 1/2	in	85 ⁰⁰	17000
213-009		1		Mud Flush	500	gal			45	22500
019-000		1		Sugar	10	#			600	6000
27	815.19111	1		Fill up Assy	1	ea	4 1/2	in	275 ⁰⁰	27500
STAT										
NOV 8 1990										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-515900

586295

IS JOB SATISFACTORILY COMPLETED? _____

IS OPERATION OF EQUIPMENT SATISFACTORY? _____

IS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

[Signature]
CUSTOMER OR HIS AGENT (PLEASE PRINT)

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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL

1185500
1185468

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



ORIGINAL
PULK MATERIALS DELIVERY
AND
TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 005838

DATE 9-7-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Gruber #1	COUNTY Lane	STATE Kansas
CHARGE TO Slawson Exploration Co. Inc.		OWNER Same	CONTRACTOR L.D. Drilling	No. B 515900
MAILING ADDRESS		DELIVERED FROM Hays, KS	LOCATION CODE 25525	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S/E Scott City, Ks.	TRUCK NO. 3703 51252	RECEIVED BY <i>Redd</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
				QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261	2B	Standard Cement	25				545	136	25
504-308										
504-316		2B	Halliburton Light Cement	450				5.21	2,344	50
504-308	516.00261	2B	185 Standard Cement cu. ft. Pozmix Cement	93				5.45	506	85
506-105	516.00286	2B	Pozmix 'A'	92				2.88	264	96
506-121	516.00259	2B	3sk HalliburtonGel@2%							h/c
509-968	516.00315	2B	Salt Blended	1599	lb			.10	159	90
507-153	516.00161	2B	CFR-3 Blended	78	lb			3.90	304	20
507-210 507-210	890.50081	2B	Flocele Blended	159	lb			1.30	206	70

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Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	CU. FEET
SERVICE CHARGE ON MATERIALS RETURNED	SERVICE CHARGE			
500-207	2B		694	1.10
500-306	2B	Mileage Charge	61,516 TOTAL WEIGHT	51 LOADED MILES
				1,568.658 TON MILES

No. B 515900	CARRY FORWARD TO INVOICE	SUB-TOTAL	5,862.93
			5,263.25



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

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ATTACH TO INVOICE & TICKET NO. 005838

ORIGINAL

DATE 9-7-90

Hays, Ks

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

Slawson Exploration (CUSTOMER)

HALLIBURTON SERVICES

THE SAME AS AN INDEPENDENT CONTRACTOR TO: DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

#1 LEASE Gruber B SEC. 35 TWP. 18 RANGE 32

COUNTY Scott STATE Ks OWNED BY Sane

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

ION TYPE FROM TO DEPTH 41630 MUD WEIGHT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS. Includes values like 4, 10 1/2, 4 1/2, KB, 4649, 4680, SHOTS/FT.

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

Two-stage - Long String

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: a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies... c) That because of the uncertainty of variable well conditions... d) That Halliburton warrants only title to the products, supplies and materials... e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...

NOV 8 1990

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

SIGNED BY KEVIN DORRISON CUSTOMER

DATE 9-7-90

TIME 11:00 A.M. P.M.

Standards Act of 1938, as amended, has been complied with in the

CUSTOMER Stamson Exp.
 LEASE Gruber
 WELL NO. #1
 JOB TYPE Two-Stage
 DATE 9-7-90

WELL DATA

WELL NO. 35 TWP. 18 RNG. 32 COUNTY Scott STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE DV SET AT 2320 ft

BOTTOM HOLE TEMP. _____ PRESSURE _____

WELL DATA TOTAL DEPTH 4650

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>u</u>	<u>10 1/2</u>	<u>4 1/2</u>	<u>R8</u>	<u>4849</u>	
LINER						
TUBING						
OPEN HOLE				<u>4649</u>	<u>4650</u>	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-6-90</u>	DATE <u>9-7-90</u>	DATE <u>9-7-90</u>	DATE <u>9-7-90</u>
TIME <u>20:00</u>	TIME <u>01:00</u>	TIME <u>02:00</u>	TIME <u>11:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Fuchs</u>	<u>51145</u>	<u>Ness City, Ks</u>
<u>B. Crosswhite</u>	<u>Comb</u>	<u>Ness City, Ks</u>
<u>L. Orinkel</u>	<u>3703</u>	<u>Hays, Ks</u>
<u>R. Berens</u>	<u>Bulk</u>	<u>Hays, Ks</u>
	<u>51252</u>	<u>Hays, Ks</u>
	<u>Bulk</u>	

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
LOAD COLLAR		
LOAD SHOE <u>Insert</u>	<u>4 1/2</u>	<u>1 Howco</u>
GUIDE SHOE		
CENTRALIZERS <u>S-4</u>	<u>4 1/2</u>	<u>B Howco</u>
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>D.V.</u>	<u>4 1/2</u>	<u>1 Howco</u>
OTHER <u>Cmt Basket</u>	<u>4 1/2</u>	<u>1 Howco</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. API _____

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

WATER 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 _____

OTHER _____

DEPARTMENT Cmt

DESCRIPTION OF JOB Two-Stage Long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE X. BRAD DOLANSON

HALLIBURTON OPERATOR Jerry Fuchs

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>25</u>	<u>standard</u>	<u>Port</u>	<u>B</u>		<u>1.18</u>	<u>15.1</u>
	<u>185</u>	<u>50/50</u>	<u>Port</u>	<u>B</u>	<u>27oz 187oz salt, 1/2 2ac ER-3 4# Flocc</u>	<u>1.28</u>	<u>14.4</u>
<u>2</u>	<u>450</u>	<u>HLC</u>	<u>Portmix</u>	<u>B</u>	<u>4# Flocc</u>	<u>1.84</u>	<u>12.7</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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 41 REASON Shoe Joint

PRELUSH: BBL-GAL _____ TYPE _____

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL 6 bbl

CEMENT SLURRY: BBL-GAL 42 bbl

TOTAL VOLUME: BBL-GAL 147 bbl

REMARKS DISPL. 73.44
6 bbl 36 bbls water
2 38 bbls mud
376 bbls = top

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HALLIBURTON SERVICES
JOB LOG

V NO. #1 LEASE Gruber R TICKET NO. 005838

CUSTOMER Slawson Explor. on PAGE NO. #1

JOB TYPE Two-stage Long String DATE 9-7-90

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	22:00							Called out
	01:00							On location / Rig laying down pipe
	02:00							Tries on location / setup
	02:45							Start csg.
								Insert float shoe, w/ baffle at top of 1st jt
								8 Centralizers on 1, 3, 4, 6, 7, 9, 56, 60
								Candit Bucket on 5th, 56th ft.
								D.V. tool on 57 collar, 2520 ft
	04:30							Csg on bottom
	04:40							Hooked up - dropped ball
	04:45							Started circ.
	05:15							One circ.
	05:17							Start bottom stage
	05:18	6	12			230		500 gal mud flush
	05:20	5	10			200		25 sks Scavenger
	05:22	6	42			100		185 sks 50/50 polymer
	05:29		42			0		Done mixing
	05:3							Released plug - washed out pump & lines
	05:33	7 1/2	0					Started displ 36 bbl water 38 bbl mud
	05:45	5	25			650		Done w/ displ
	05:45					1200		Loaded plug at 1200 ft
	05:46					0		Released pressure - flush held
	05:47							Dropped bomb
	06:05					1500		Opened D.V. at 1500 ft
	06:05							Circulate 4 hrs
	10:05							Started mixing cont for top stage 45 sks
	10:35	5	147			200		Done mixing cont
	10:36					0		Released plug
	10:37					0		Start displacement
	10:44	5	37			900		Done w/ displ
	10:45					1500		Loaded plug at 1500 ft
	10:46					0		Released Pressure - D.V. Closed
								Cmt did circ. 25 sks to Pit
	11:00							Washed up & Racked up T. Fuchs = 01493
	11:30							Job completed B. Crosswhite 87148
								51145 - PPT L. Dinkle = B2150
								3703-51252 - B.M. R. Buren = 57220

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