

Original

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

API NO. 15- 163-23,209-00-00
County Rooks
W/2-E/2-NW- Sec. 17 Twp. 9S Rge. 18 X W
3960 Feet from (S)N (circle one) Line of Section
3630 Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
X SE, ~~N~~ (circle one)
Lease Name Stahl Well # 8
Field Name MCHale
Producing Formation Arbuckle
Elevation: Ground 2098' KB 2103'
Total Depth 3585' PBDT 3566'
Amount of Surface Pipe Set and Cemented at 217 Feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set 1503 Feet
If Alternate II completion, cement circulated from 1503
feet depth to surface w/ 275sks Lite
50sks 60/40 sx cnt.
Drilling Fluid Management Plan DLH 2 12-15-92
(Data must be collected from the Reserve Pit)
Chloride content 20,000 ppm Fluid volume 900 bbls
Dewatering method used skim free water and dispose
Location of fluid disposal if hauled offsite:
Operator Name The Gene Brown Company
Lease Name Stahl SWD #1 License No. 5635
NW Quarter Sec. 17 Twp. 9 S Rng. 18 X E/W
County Rooks Docket No. D-26,339

Operator: License # 5635
Name: The Gene Brown Company
Address Drawer 220

City/State/Zip Plainville, KS 67663
Purchaser: Farmland Industries
Operator Contact Person: Tom Brown
Phone (913) -434-4811
Contractor: Name: Emphasis Oil Operations
License: 8241
Wellsite Geologist: Tom Brown
Designate Type of Completion
X New Well Re-Entry Workover
X Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

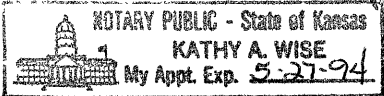
Operator:
Well Name:
Comp. Date Old Total Depth
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

9/21/92 9/26/92 10-5-92
Spud Date Date Reached TD Completion Date

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 M. Daw
Title Development Supervisor Date 10-9-92
Subscribed and sworn to before me this 9th day of October, 1992.
Notary Public Kathy A. Wise
Date Commission Expires May 27, 1994



RECEIVED
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution KCC SWD/Rep Plug Other (Specify)
NOV 19 1992
11-19-92

Operator Name The Gene Brown Company Lease Name Stahl Well # 8

Sec. 17 Twp. 9S Rge. 18 East West
 County Rooks

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: G/R Neutron
 cased hole

Name	Top	Datum
Anhydrite	1487	+616
Topeka	3030	-927
Heebner	3240	-1137
Toronto	3260	-1157
L-K.C.	3280	-1177
Arbuckle	3527	-1424

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4	8 5/8	20#	217	60/40 poz	135	3% C.C. 2% gel
Production	7 7/8	5 1/2	14#	3583	60/40 poz	150	2% C.C. 1/4# Flowcele

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	1503	Hal - Lite	275 sks	1/4# Flowcele
<input type="checkbox"/> Protect Casing	surface	60/40 poz	50 sks	3% C.C.
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
four	perf	3547-3550	none	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8	3540	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 10-5-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	14	none	450		19

Disposition of Gas: none

Vented Sold Used on Lease (If vented, submit ACO-18.)

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

Production Interval 3547 to 3550



HALLIBURTON SERVICES
Duncan, Oklahoma 73836

A Division of Halliburton Company

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

15-163-23209-00-00

FORM 1908 R-7

ATTACH TO
INVOICE & TICKET NO. 208500

DISTRICT Perm/KC

DATE 9-21-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Gene Brown CO (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 8 LEASE stahl SEC. 17 TWP. 9^s RANGE 12^w

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 _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	20	2 7/8	KE	220	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

central surface case w/ 135 SKS 60/40 POC 260cel, 39.00

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 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.
 - 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.

SURFACE

NOV 19 1992

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

SIGNED [Signature] CUSTOMER

DATE 9-21-92

TIME 5:15 A.M. (P.M.)

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.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

15-163-23209-00-00

WELL NO. 8 LEASE stahl

TICKET NO. 202500

CUSTOMER Gene Brown Co.

PAGE NO. 1

JOB TYPE Surface

DATE 9-21-92

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	17:30							on location setup truck & discuss job
	18:45							RIG Drilling hole
	19:15							ST CSG 20ft 8 1/2"
	19:24							CSG ON bottom hook up to circ
	19:36	5						Finish circ. hook up to mix cement
	19:35	5	3 BBL				400	ST mixing cement 135 SKS 60/40 P2 2% Gel, 3% CC
	19:36	5					400	Finish mixing cement
	19:40	2	13 BBL				400	Release plug & ST disp
	19:45						200	Plug down cement did circ
	20:30						200	close in CSG
								JOB complete
								Thank You! Longman

RECEIVED
COMMISSION

NOV 19 1992

L. Drake 02150
D. Ash 01609
D. Roberts B0022

OR DIVISION
COLUMBIA ENERGY

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15-163-23209-00-00

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 708372

DISTRICT Pratt Ks

DATE 9-26-92

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

WELL NO. #8 LEASE Stahl SEC. 17 TWP. 9 RANGE 18

FIELD _____ COUNTY Rook STATE Ks OWNED BY SPML

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____ FORMATION THICKNESS _____ FROM _____ TO _____ PACKER: TYPE _____ SET AT _____ TOTAL DEPTH 3585' MUD WEIGHT _____ BOREHOLE F.O. @ 1500' INITIAL PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF PRESENT PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (5/2, 48, 2583), LINER, TUBING, OPEN HOLE (3583, 3585, SHOTS/FT.), and PERFORATIONS.

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

175 60-40 Por 2%CL N3906 1/2" Fluocel/SK
guide shoe locent, insert float. F.O. catr. F.O. 504 g. catr
F.O. catr set @ 1500' cont-2-4-7-10-13-44,77 Bucket 44...

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
- a) 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.
- b) 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:
 - 1. 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.
 - 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 3. 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.
- c) 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.
- d) 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.
- e) 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.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) 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.

LOWS STRAINS

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPAIRS AND THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. NOV 19 1992

SIGNED _____ CUSTOMER DATE 9-26-92 TIME 13:10 A.M. P.M. RECEIVED NOV 19 1992

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.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

WELL NO. #8 LEASE Stahl

15-103-23209-00-00
TICKET NO. 208372

CUSTOMER Gene Brown Co

PAGE NO. 1

JOB TYPE 5/2 Long String

DATE 9-26-92

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	0800							called out
	1310							on hoc w/ Equip. + float Equip. guide shoe insert w/ H up. 6-cent, F.O. cmt.
	1320							Set up + Plan Job out of Hole w/ DP, Rig up to Prod 5/2 csg 19 1/4
	1400							let Joint Guide shoe + 2000 ft of fill cord 2-4-7-10-12 49 joints Basket Top 48th Joint - Shoe set in F.O. cmt. Top 30th Joint
	1500							Start 5/2 csg csg one Bot
	1525							c.a. w/ mud Hog.
	1542		5					Plug Bot Hole + m.c. Hole 2" St. mix 150-60-40 Poz 57.00
	1548							get 1/4" float plug
	1558	5.5	33					Fin mix washout plug set in Start of sp csg, csg 87 000
	1615		87					Plug down, Release Float Hold Wind up Equip Job complete
								TO 3585 set csg = 3583 F.O. cmt. @ 1500

thanks

RECEIVED
NOV 19 1992
Halliburton

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-7 A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 208375

DISTRICT Opalt Ks

DATE 10-2-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: George B... Co (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. H 8 LEASE Stall SEC. 17 TWP. 9 RANGE 13

FIELD _____ COUNTY Rooks STATE Ks OWNED BY same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Includes rows for CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Handwritten notes: Run 5 1/2 ROP & F.O. Prod. ... 275 ST. HLC ... 50 STS 60-40 ...

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
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...

ALT II

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

SIGNED _____ CUSTOMER

DATE 10-2-92

TIME 02:50 A.M.

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.

NOV 19 1992 RECEIVED STATE DEPARTMENT OF REVENUE

HALLIBURTON SERVICES
JOB LOG

WELL NO. #8 LEASE Stahl TICKET NO. 704275

CUSTOMER Gene Buss Co. PAGE NO. 1

FORM 2013 R-2

JOB TYPE OPEN F.O. DATE 10-2-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1200							called out 10-1-92
	0740							on loc in 5 1/2 BBL + 5 1/2 F.O. Position 275 SK HLC 1/4" Fibre/air 50 SK 60-4000 29 gal 29000 2 sk sand setup + blow job
	0755							start tools in Hole Tally 14/100
	0927		35			1000 [#]	1000 [#]	set Plug @ 1525 test
	0945		7 1/2					Spot 15k sand @ 1545 1075
								open F.O. @ 1500 take
	1016	3	90			200 [#]	200 [#]	Inj Rate @ 2 1/2 BPM
	1032		95			250 [#]	250 [#]	St mix HLC 1/4" Fibre/air
						500 [#]	500 [#]	St mix 60-4000 for 29 gal 29000
	1050							Fine mix
			7					Start Drop start in production Pump 7 BBLs
			10			1000 [#]	1000 [#]	shot F.O. PSI to 1000
	1115					200 [#]	500 [#]	Release PSI + wash around tool clean, Pull F.O. Position
	1120							Start Back surfacerite to wash sand off plug
	1200							wash sand off + clean plug
	1300							Release + Pull plug out of hole / plug
	1400							500 sample

Frank's
W.H.
RECEIVED
COMMISSION
NOV 19 1992