

ORIGINAL

SIDE ONE

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

API NO. 15- 179-21,004 -00-00

County Sheridan
W/2 SW NE Sec. 32 Twp. 8S Rge. 27 East West

Operator: License # 9860

3300 Ft. North from Southeast Corner of Section

Name: Castle Resources, Inc.

2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address ~~4350 X Rays Road XXX~~

Bank IV Suite C, 1200 E. 27

Lease Name Mosier Well # 2

City/State/Zip Hays, KS 67601

Field Name _____

Purchaser: _____

Producing Formation L-KC

Operator Contact Person: Jerry Green

Elevation: Ground 2569' KB 2574'

Phone (913) -625-5155

Total Depth 4250 PBDT _____

Contractor: Name: Emphasis Oil Operations

License: 8241 STATE COMMISSION

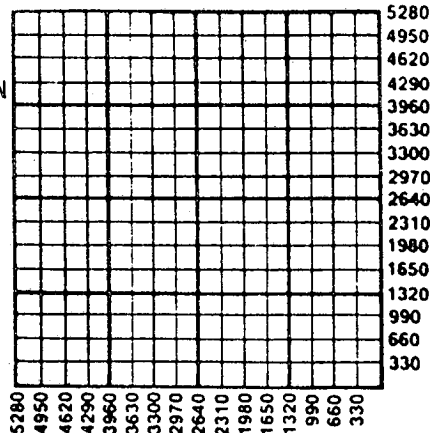
Wellsite Geologist: Jerry Green

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

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SEP 30 1991

CONSERVATION DIVISION
Wichita, Kansas
9/30/91



10-18-91

If OWMO: old well info as follows:
Operator: _____

Amount of Surface Pipe Set and Cemented at 253 Feet

Well Name: _____

Comp. Date _____ Old Total Depth _____

Multiple Stage Cementing Collar Used? Yes No

Drilling Method:
 Mud Rotary Air Rotary Cable

If yes, show depth set 4245 Feet

5/31/91 6/9/91 6-22-91

If Alternate II completion, cement circulated from TD

Spud Date Date Reached TD Completion Date

feet depth to surface w/ 465 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 Galen D. McFarland

Title Chief Operating Officer Date 9-27-91

Subscribed and sworn to before me this 27th day of September, 1991.

Notary Public Laura Hertel

Date Commission Expires 7-2-95

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)

LAURA HERTEL
NOTARY PUBLIC-STATE OF KANSAS
My Appt. Exp. 7-2-95

P1

ORIGINAL

SIDE TWO

Operator Name Castle Resources, Inc. Lease Name Mosier Well # 2
 Sec. 32 Twp. 8S Rge. 27 East West
 County Sheridan

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.)

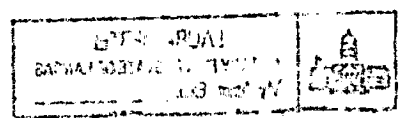
Name	Formation Description	
	Top	Bottom
Anhydrite	2196 (+373)	
Heebner	3677 (-1108)	
Toronto	3700 (-1131)	
L-KC	3715 (-1146)	
Base-KC	3934 (-1365)	
Pawnee	4090 (-1521)	
Fort Scott	4148 (-1579)	

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	13"	8 5/8"	28	253'	60/40	175	
Long String	7 7/8"	4 1/2"	10.5	4245'	65/35 & common	465	5% Cal-Seal 18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
4	5' of L-KC from 3876'-3881'			1000 gallons of acid			3876-81
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size	Set At	Packer At				
	2 3/8"	4216'					
Date of First Production		Producing Method					
6-22-91		<input type="checkbox"/> Flowing <input checked="" 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	
		165					

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 _____



15-179-21004-00-00

MOSIER # 2

Drill Stem Tests

- DST # 1: Zone tested - Toronto 3684'-3706'. Testing times of 30-30-45-30. Recovered 40' VSOCM and 2" FO. SIP 907-857 and FP 33-41 - 50-50.
- DST #2: Zone tested - B of L-KC 3732'-3754'. Testing times of 45-30-45-30. Recovered 120' water. SIP 1285-1276 and FP 40-55 - 65-78.
- DST #3: Zone tested - H, I, J, K, of L-KC 3820'-3911'. Testing times of 30-30-30-30. Recovered 660' FO and 2700' GAF. SIP 1327-1310 and FP 101-193 -2210-286.

7/30/91
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STATE CORPORATION COMMISSION

SEP 30 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

ORIGINAL

INVOICE NO.	DATE
051565	05/31/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
OSIER 2		SHERIDAN		KS	CASTLE RESOURCES	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN		EMPHASIS #6		CEMENT SURFACE CASING		05/31/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
51571	JOHN COLLINS			COMPANY TRUCK	16352	

DIRECT CORRESPONDENCE TO:

CASTLE RESOURCES
R R 1 STONEWOOD ESTATES LOT 8
HAYS, KS 67601

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	45	MI	2.60	117.00
		1	UNT		
001-016	CEMENTING CASING	255	FT	475.00	475.00
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
		1	EA		
504-308	STANDARD CEMENT	105	SK	6.75	708.75 *
506-105	POZMIX A	70	SK	3.50	245.00 *
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C *
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25 *
500-207	BULK SERVICE CHARGE	185	CFT	1.15	212.75 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	354.38	TMI	.80	283.50 *
INVOICE SUBTOTAL					2,263.25
DISCOUNT-(BID)					452.65-
INVOICE BID AMOUNT					1,810.60
*-KANSAS STATE SALES TAX					53.76
*-DECATUR COUNTY SALES TAX					12.65
RECEIVED STATE CORPORATION COMMISSION SEP 30 1991 CONSERVATION DIVISION Wichita, Kansas					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$1,877.01

PD 8/5/91
1210

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 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.

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

ORIGINAL

1579-21004-0000
A Halliburton Company

INVOICE NO.	DATE
051588	06/09/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
OSIER 2-1		SHERIDAN		KS	CASTLE	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
BERLIN		EMPHASIS	CEMENT PRODUCTION CASING		06/09/1991	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
51571	TERRY WILLIAMS			COMPANY TRUCK	16778	

CASTLE RESOURCES
R R 1 STONEWOOD ESTATES LOT 8
HAYS, KS 67601

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
000-117	PRICING AREA - MID CONTINENT MILEAGE	45	MI	2.60	117.00
		1	UNT		
001-016	CEMENTING CASING	4250	FT	1,300.00	1,300.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4 1/2	IN	35.00	35.00 *
		1	EA		
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
509-554	HALLIBURTON GEL - 100 LB.	2	SK	14.75	29.50 *
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00 *
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00 *
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50 *
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	8	EA	43.00	344.00 *
807.93004					
320	CEMENT BASKET 4 1/2"	3	EA	85.00	255.00 *
800.8881					
60	ROTO WALL CLEANER 2 1/8" SPIKE	4	EA	22.00	88.00 *
807.0007					
66	FASGRIP LIMIT CLAMP 4 1/2"	6	EA	9.60	57.60 *
807.64021					
220-004	BANDING MATERIAL	4	EA	2.25	9.00 *
504-308	STANDARD CEMENT	179	SK	6.75	1,208.25 *
506-105	POZMIX A	96	SK	3.50	336.00 *
506-121	HALLIBURTON-GEL 2%	4	SK	.00	N/C *
507-277	HALLIBURTON-GEL BENTONITE	18	SK	14.75	265.50 *
507-285	ECONOLITE	478	LB	.90	430.20 *
508-291	GILSONITE BULK	1375	LB	.35	481.25 *
507-210	FLOCELE	36	LB	1.30	46.80 *
504-308	STANDARD CEMENT	155	SK	6.75	1,046.25 *
509-968	SALT	1209	LB	.10	120.90

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SEP 30 1991
CONSERVATION DIVISION
Wichita, Kansas

***** CONTINUED ON NEXT PAGE *****

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 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.

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

ORIGINAL

15-177-21004-02-00
A Halliburton Company

INVOICE NO.	DATE
051588	06/09/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
OSIER 2-1		SHERIDAN		KS	CASTLE	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN		EMPHASIS		CEMENT PRODUCTION CASING		06/09/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
51571	TERRY WILLIAMS			COMPANY TRUCK	16778	

CASTLE RESOURCES
R R 1 STONEWOOD ESTATES LOT 8
HAYS, KS 67601

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
508-127	CAL SEAL	8	SK	19.70	157.60 *
507-153	CFR-3	73	LB	4.10	299.30 *
508-291	GILSONITE BULK	775	LB	.35	271.25 *
504-308	STANDARD CEMENT	35	SK	6.75	236.25 *
509-968	SALT	200	LB	.10	20.00
500-207	BULK SERVICE CHARGE	575	CFT	1.15	661.25 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	1103.31	TMI	.80	882.65 *
INVOICE SUBTOTAL					9,932.05
DISCOUNT-(BID)					1,986.41-
INVOICE BID AMOUNT					7,945.64
*-KANSAS STATE SALES TAX					249.23
*-DECATUR COUNTY SALES TAX					58.62
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$8,253.49

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STATE CORPORATION COMMISSION

SEP 30 1991

CONSERVATION DIVISION
Wichita, Kansas

PD 8/5/91
12/0

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 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.



TICKET ORIGINAL NO. 051565 8

FORM 1906 R-11

15-179-21004-00-00

WELL NO. - FARM OR LEASE NAME Mosier #2		COUNTY Sheridan	STATE Ks	CITY / OFFSHORE LOCATION	DATE 5/31/91
CHARGE TO Castle Resources		OWNER Castle Resources		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS RR1, PO Box 90		CONTRACTOR Emphasis Drilling #6		LOCATION 1 Oberlin, Ks 25520	
CITY, STATE, ZIP Hays Ks 67601		SHIPPED VIA 3519, 3846		LOCATION 2	
WELL TYPE 01-Oil		WELL CATEGORY 01-Development		WELL PERMIT NO. B-945654	
TYPE AND PURPOSE OF JOB 010 - Cont Surf Gng		DELIVERED TO SE Hoxie, Ks.		ORDER NO.	
				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 3519	45	mi			260	117 00
001-016		1		Pump Change	255	ft	8	hr		475 00
030-303		1		CP-1 Top Plug	1ea		8 5/8	in		90 00

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STATE CORPORATION COMMISSION
OCT 17 1991
CONSERVATION DIVISION
Michigan, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-945654** **1581 25**

WAS JOB SATISFACTORILY COMPLETED? WAS OPERATION OF EQUIPMENT SATISFACTORY? WAS PERFORMANCE OF PERSONNEL SATISFACTORY?	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. HALLIBURTON OPERATOR	SUB TOTAL 2263 25 APPLICABLE TAXES WILL BE ADDED ON INVOICE.
---	---	--

X CUSTOMER OR HIS AGENT (PLEASE PRINT)
X CUSTOMER OR HIS AGENT (SIGNATURE)

HALLIBURTON FIELD OFFICE

DISTRICT Oberlin, Ks

DATE 8/31/91

HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO Castle Resources ORIGINAL AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER)

WELL NO. 2 LEASE Mosier SEC 32 TWP 8s RANGE 22w COUNTY Sheridan STATE Ks OWNED BY Castle Resources

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FROM TO THICKNESS SET AT TOTAL DEPTH 260' MUD WEIGHT 12.14" INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF PREVIOUS TREATMENT: DATE TYPE MATERIALS

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (19.0 8 1/2" KB 255'), LINER, TUBING, OPEN HOLE, PERFORATIONS.

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED Cmt 8 5/8" Surf Cong; 175 sts 60/40 Pz, 290 Gel, 370 CC as directed.

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 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.
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.
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.

RECEIVED OCT 17 1991

15-179-24004-00-00

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED [Signature] DATE 8/31/91 TIME 12:20 PM



JOB SUMMARY

HALLIBURTON DIVISION
LOCATION: **Oberlin, Ks**

ORIGINAL TICKET NO. **051565**

WELL DATA
FIELD: _____ SEC: **32** TWP: **8s** RNG: **27w** COUNTY: **Sheridan** 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: _____ SET AT: _____
BOTTOM HOLE TEMP: _____ PRESSURE: _____
MISC. DATA: **12 1/4" Hole** TOTAL DEPTH: **260'**

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
	<input checked="" type="checkbox"/>	19.0	8 5/8"	KB	235'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG CP-1- 8 5/8"	1 ea	Hawco
HEAD		
PACKER		
OTHER		

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
8/31/91	8/31/91	5/31/91	5/31/91
TIME 1630	TIME 1800	TIME 2015	TIME 2130

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
S. Odan	36654	Oberlin Ks
H. Berry	3579 RCM HT-400	"
M. Jones	3546 Bulk	"

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
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 _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT: **Cmt + Bulk**
DESCRIPTION OF JOB: **Cmt 8 5/8" Surf Cong**
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN
CUSTOMER REPRESENTATIVE:

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	175	60/40	SLS-B2	B	2% Cel, 3% CC	1.28	14.36

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. CEMENT LEFT IN PIPE _____
FEET _____ REASON: **Requested.**

REMARKS: **See Sub log + Chart**
Thank You Scott, Mike + Harold
SUMMARY: **H2O 3**
OCT 17 1991
STATE CORPORATION COMMISSION
RECEIVED
DIVISION: **HYDRAULIC DIVISION**
DISP: **15 1/2**
TOTAL VOLUME: **40 58 1/2**

CUSTOMER: **Castle Resources**
LEASE: **Mosier**
WELL NO: **2**
JOB TYPE: **Cmt Surf Cong**
DATE: **5/31/91**

15-179-21004-00-00

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2 LEASE Mosier TICKET NO. 051365
 CUSTOMER Castle Resources PAGE NO. 1 ORIGINAL
 JOB TYPE Cmt 8 5/8" Surf. Cng DATE 5/31/91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							On hoc. Rig Crew Drlg 12 1/4" Hole, Set up Eq.
	1920							Finish hde. 260 - Circulate
	1945							Start out with Drill Pipe
	2005							Drill Pipe in derrick, Rig up to run 8 5/8" Cng
	2010							Start Cng in hole
	2050							Cng on bottom - Rig up Head to mud Pump
	2055							Break Circ
	2108							Fin Circ - Hook to Truck
	2110	3				175		St H2O Ahead
	2111	4	3-H2O			"		St. 175 Sls 60/40, 2% Gel, 3% CC
	2121		40-Cmt					Fin Cmt - Shut Down
	2122	4						Release Plug - St Displ
	2126		15 1/2-H2O			150		Plug down - Close Manifold
								" 3 Bbl Cmt Circ."
								Job Complete
								Thank You
								Scott, Harold & Mike

RECEIVED
 STATE CORPORATION COMMISSION
 10/17/91
 OCT 17 1991

15-179-21007-00



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **051588**

ORIGINAL

HALLIBURTON SERVICES
Duncan, Oklahoma 73538
A Division of Halliburton Company

5-179-21004-00-00

DATE 6-9-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Mosion Catherine #2-1	COUNTY Sheridan	STATE Ks
CHARGE TO Castle Resources		OWNER Castle	CONTRACTOR Emphasis	
MAILING ADDRESS		DELIVERED FROM Obettin	LOCATION CODE 25529	PREPARED BY vlk
CITY & STATE		DELIVERED TO SE/NOXW, Ks	TRUCK NO. 3846 & 50181	RECEIVED BY <i>[Signature]</i>

No. **B 945661**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308				Standard Cement	179	sk			6.75	1208	25
506-105				Pozmix	96	sk			3.50	336	00
506-121				Halliburton Gel Allowed 2% (4)						NC	
507-277				Halliburton Gel Mixed 8%	18	sk			14.75	265	50
507-285				Econolite	478	lb			.90	430	20
508-291				Gilsonite	1375	lb			.35	481	25
507-210				Flocele	36	lb			1.30	46	80
504-308				Standard Cement	155	sk			6.75	1046	25
509-968				Salt Granulated	1209	lb			.10	120	90
508-127				Cal Seal	8	sk			19.70	157	60
507-153				CFR 3	73	lb			4.10	299	30
508-291				Gilsonite	775	lb			.35	271	25
504-308				Standard Cement	35	sk			6.95	236	25
509-968				Salt Granulated (on side)	200	lb			.10	20	00

RECEIVED
 STATE COMMISSION
 OCT 17 1991

	Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	CU. FEET
500-207				575	1.15
500-306	Mileage Charge	49,036 TOTAL WEIGHT	45 LOADED MILES	1103.31 TON MILES	.80
No. B 945661				CARRY FORWARD TO INVOICE	SUB-TOTAL
					6463 45

DISTRICT Oban, Ks. DATE 6-9-91

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

ORIGINAL

WELL NO. 2-1 LEASE MOSIER SEC. 32 TWP. 8^S RANGE 27^W
FIELD _____ COUNTY SHERIDAN STATE Ks. OWNED BY CASTLE RESOURCES

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 4250' MUD WEIGHT _____
BORE HOLE: 7 7/8"
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	<u>4</u>	<u>10.5</u>	<u>4 1/2</u>	<u>KB</u>	<u>4249</u>	
LINER	<u>4</u>		<u>8 5/8</u>	<u>KB</u>	<u>260</u>	
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>4249</u>	<u>4250</u>	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CONT 4 1/2 CSQ - w/ 18 BBL SALT FLUSH, 5H³ SPACER, 12 BBL SUP FLUSH 5 H³ SPACER, 6 BBL GEL, 275 SKS HDL w/ 5 # GILSONITE & 1/8 # FLOC 1E, 65 BBL MUD SPACER, 5 BBL 120, 35 SKS STANDARD, 155 SKS EA-2 w/ 5% CAL SEAL, 1490 SALT, 590 CFM 3/4" W/ 1" CATALIGN ON 1, 4, 11, 12, 15, 18 & 55 SKS. CONT BKT. ON BOTTOM #12, 16, 19 & 56 ROTOWALL, 10 FT BOTTOM #1

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES 10 FT Bottom #1

- 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. 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.
 - 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. The term "well owner" shall include working and royalty interest owners.
 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) 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.
 - d) 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.
 - e) 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.
 - f) 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.
 - g) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - h) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - i) 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: Tom L. Williams CUSTOMER
DATE: 6-9-91

WELL DATA
 FIELD _____ SEC **32** TWP. **8** RNO. **27** COUNTY **SHERMAN** STATE **OK**

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		9	10.5	4 1/2	KB	4289	
LINER		4		5 7/8	KB	260	
TUBING							
OPEN HOLE				7 7/8	4249	4250	SHOTS/FT.
PERFORATIONS							ORIGINAL
PERFORATIONS							
PERFORATIONS							

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 _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH **4250**

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Float Collar 4 1/2	1EA	HOWCO
Float Shoe 4 1/2	1EA	HOWCO
Guide Shoe 4 1/2	1EA	HOWCO
Centralizers 4 1/2	7EA	HOWCO
Bottom Plug		
Top Plug 5W	1EA	HOWCO
Head Rotator 4 1/2	1EA	HOWCO
Procker 4 1/2	4EA	HOWCO
Other Rot. Well Seal, etc.	4EA	HOWCO

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 6-9-91 TIME 0630	DATE 6-9-91 TIME 0815	DATE 6-9-91 TIME 1100	DATE 6-9-91 TIME 1130

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. KEWAN	3245 R/W	OBERLIN OK
J. MOORE	50181 B/W	OBERLIN OK
E. GAMES	5896 B/W	OBERLIN OK
J. REAGIER	B/W	OK

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
WINE 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.	
PERFPAC BALLS TYPE	QTY.	
OTHER		
OTHER		

DEPARTMENT **Curt - Bullc**
DESCRIPTION OF JOB **Curt 4 1/2" Long String**

JOB DONE THRU: TUBING CASING ANNULUS TBO/ANN.

CUSTOMER REPRESENTATIVE **X** **John D. H.**
 HALLIBURTON OPERATOR **John K. ...** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK BACKED	ADDITIVES	FIELD CU.PT./SK.	MIXED LBS./GAL.
	275	HDL	STANDARD	B	5# GILSONITE + 1/2# Flocc + 1/2# B		72	10.7
	35	STANDARD	B	NO ADDITIVES			1.18	15.6
	155	EA-2	STANDARD	B	5% CAL. SEAL, 18% SAG, 5% SCA, 5# GILSONITE / SK		1.46	15.1

PRESSURES IN PSI _____ **SUMMARY** _____ **VOLUMES** _____

CIRCULATING _____ DISPLACEMENT _____ PRELUSH **12** GAL. TYPE **Superflow**
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN **15 H²O** GAL. PADI **65** GAL.
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT **67** GAL. DISPL. **67** GAL.
 SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY **182-7-40** GAL.
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME **329** GAL.
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS **RECEIVED**
AVERAGE RATES IN BPM _____ STATE CORPORATION COMMISSION
 TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
 FEET **17** REASON **Slur AT** **OCT 17 1991**

JOB LOG

WELL NO. #2-1 LEASE MOSIER

TICKET NO. 05158B

CUSTOMER CASTLE RESOURCES

PAGE NO. 1 of 19-21004-0000

FORM 2013 R-2

JOB TYPE Long String

DATE 6-9-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							ORIGINAL
	0815							CALLER OUT ON LOC.
								Rig Laying Down D.P.
								Setup Trucks
	1100							START 4 1/2 CSg w/Reg. Guide-shoe, INSERT FLOAT VALVE TOP SHOE JT CENTRALIGENS ON 1, 4, 11, 18, 25 JT CNT BSKT ON BOTTOM, 12, 19 & 56 SCRATCHERS 5 FT UPON # 12-10 FT BOTTOM # 17 - 10 FT
	1320							Fin Csg
	1300							Hook up Rotating Head
	1355							ST. CIRC
								Fin CIRC
								Hook to Pump Truck
	1400	6			1		300	START 18 BBL SALT FLUSH ST. ROTATING
	1406	6	18		1		300	FIN SALT
	1408	6	5		1		300	5 BBL N ² O SPACER
	1409	6			1		300	ST. 500 GAL SUPRA FLUSH
	1412	6	12		1		300	FIN SUPRA FLUSH
	1416	6	5		1		300	5 BBL N ² O SPACER
	1418	6	6		1		300	RUN 6 BBL GEL
	1420	6			1		300	ST. MIX 275 SKS NDC w/5# gel
		6						4 1/2# FLOCC
	1450	6	182		1		100	FIN NDC - PUT 15 SKS, w/ROT NOG
	1450	6			1		100	ST. MUD SPACER
	1500	6	65		1		100	FIN MUD SPACER
	1500	6	5		1		100	RUN 5 BBL N ² O SPACER
	1501	6	7		1		100	RUN 3 SKS STRAND W/ Adol.
	1503	6			1		100	ST. MIX 155 SKS GEL-2
	1513	6	40		1		100	FIN MIX GEL-2 - STOP ROTATING CSg
								Wash up Pump & Casing
	1518	6			1		100	ST. Disp
	1522	6	24		1		200	ST. LIFT CNT
		6	67		1		1200	Circ Ps.
	1530	6	67		1		100	FIN Disp - CIRC 50 BBL
	1533	0	0		1		0	Release Head Job Complete