

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

ORIGINAL

API NO. 15- 129-21,102-00-00

County Morton

NE - NE - NE - Sec. 27 Twp. 34S Rge. 42 X ^E _W

400 Feet from S ^(N) (circle one) Line of Section

330 Feet from ^(E) _(W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name James Michael Well # 27-1

Field Name NE Taloga

Producing Formation N/A

Elevation: Ground 3,503' KB 3,511'

Total Depth 4,850' PBDT _____

Amount of Surface Pipe Set and Cemented at 1,400 Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan API 1720 x 0
(Data must be collected from the Reserve Pit)

Chloride content 850 ppm Fluid volume 5600 bbls

Dewatering method used Jet into reserve pit to dry up
and fill within 1 year.

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 30161

Name: r.c. Taylor Companies, Inc.

Address 501 W. I-44, Suite 590
Oklahoma City, OK 73118

City/State/Zip Okla. City, OK 73118

Purchaser: _____

Operator Contact Person: Mike Taylor

Phone (405) 840-2700

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist: Ed Grieves

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expi., 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. _____

11-14-91 11-21-91
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 William Michael Taylor

Title Sec. / Treas. Date 1/3/92

Subscribed and sworn to before me this 3rd day of January 19 92.

Notary Public Michelle Walther

Date Commission Expires June 8, 1993

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

Geologist Report Received

RECEIVED

KANSAS CORPORATION COMMISSION

KCC SWD/Rep NGPA

KGS Plug Other

JAN 10 1992 1-10-92 (Specify)

Operator Name r.c. Taylor Companies, Inc. Lease Name James Michael Well # 27-1
 County Morton
 Sec. 27 Twp. 34S Rge. 42
 East West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cherokee	3970'	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Morrow	4276'	
List All E.Logs Run:		Keyes	4716'	
Microlog		Chester	4800'	
Neutron		TD	4838'	
Dual Induction				

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	12-1/4"	8-5/8"	24#	1400'	Lite Wt.	500	2% cc
					Class C	125	2%ccc
					4 yds pea gravel		

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		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

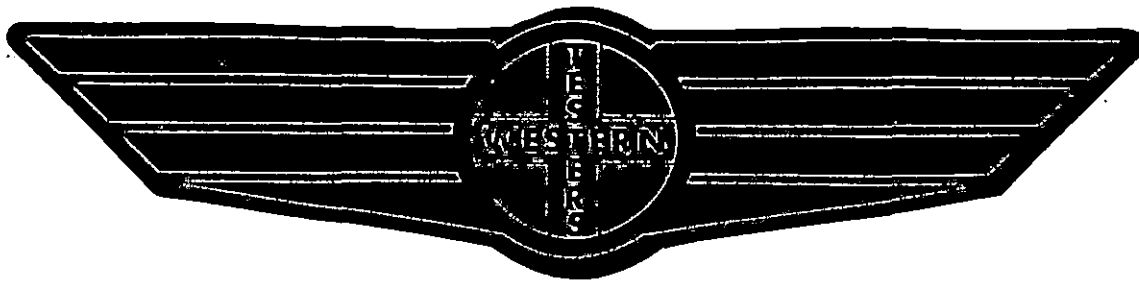
Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

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

Production Interval _____

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY H-40 DRILLING, INC. LEASE & WELL NO. JAMES MICHAEL 27-1SEC. 27 TWP. 34S RGE. 42W TEST NO. 1 DATE 11/20/91

ORIGINAL

WESTERN TESTING CO. INC. SUBSURFACE PRESSURE SURVEY

DATE : 11-20-91
CUSTOMER : H-40 DRILLING INC.
WELL : 27-1 TEST: 1
ELEVATION : 3503 GR
SECTION : 27
RANGE : 42W COUNTY : MORTON
GAUGE SN# : 13361 RANGE : 4250
TICKET : 17295
LEASE : JAMES MICHAEL
GEOLOGIST : GREVES
FORMATION : MID-MORROW SD
TOWNSHIP : 34S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 4564 TO : 4650 TOTAL DEPTH : 4650
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4559 SIZE : 6.63
PACKER DEPTH : 4564 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : H-40 RIG 3
MUD TYPE : LSND VISCOSITY : 47
WEIGHT : 8.9 WATER LOSS (CC) : 7.4
CHLORIDES (PPM) : 700
JARS-MAKE : W.T.C. SERIAL NUMBER : 420
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 532 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4021 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 86 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD VERY WEAK 1/2 INCH BLOW.
BLOW COMMENT #2 : FINAL FLOW PERIOD NO BLOW-FLUSHED TOOL-TOP
BLOW COMMENT #3 : OF WATER BLOW AND DIED.
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 62 FT OF: MUD

Total Barrels Fluid = 0.30
Total Fluid Prod Rate = 4.88 BFPD
Indicated Wtr Rate = 0.49 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 9:20 P.M.

TIME STARTED OFF BOTTOM : 1:50 A.M.

WELL TEMPERATURE : 121

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

(A) 2227

INITIAL CLOSED IN PERIOD MIN: 63

(B) 91 PSI TO (C) : 91

FINAL FLOW PERIOD MIN: 60

(D) 656
(E) 100 PSI TO (F) : 111

FINAL CLOSED IN PERIOD MIN: 120

(G) 1023

FINAL HYDROSTATIC PRESSURE

(H) 2187

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-40 DRILLING INC.
RIG : MORTON-KANSAS
FIELD : JAMES MICHAEL
WELL : 27-1
DATE : 11-20-91
GAUGE NO : 13361

OPERATIONAL COMMENTS

ORIGINAL

COMPANY : H-40 DRILLING INC.
 WELL : 27-1
 GAUGE # : 13361
 DATE : 20/11/91

FIELD : JAMES MICHAEL
 JOB # : 17295
 DEPTH : 4650
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	9:20:0	0.000	91.000	121.00	0.000
3	9:24:59	0.083	91.000	121.00	0.000
4	9:30:0	0.167	91.000	121.00	0.000
5	9:35:0	0.250	91.000	121.00	0.000
6	9:39:59	0.333	91.000	121.00	0.000
7	9:45:0	0.417	91.000	121.00	0.000
8	9:50:0	0.500	91.000	121.00	0.000
INITIAL SHUT-IN PERIOD					
9	9:53:0	0.550	94.000	121.00	3.000
10	9:56:0	0.600	98.000	121.00	4.000
11	9:59:0	0.650	101.000	121.00	3.000
12	10:02:0	0.700	104.000	121.00	3.000
13	10:05:0	0.750	109.000	121.00	5.000
14	10:08:0	0.800	114.000	121.00	5.000
15	10:11:0	0.850	121.000	121.00	7.000
16	10:14:0	0.900	132.000	121.00	11.000
17	10:17:0	0.950	149.000	121.00	17.000
18	10:20:0	1.000	167.000	121.00	18.000
19	10:23:0	1.050	193.000	121.00	26.000
20	10:26:0	1.100	227.000	121.00	34.000
21	10:29:0	1.150	273.000	121.00	46.000
22	10:32:0	1.200	319.000	121.00	46.000
23	10:35:0	1.250	366.000	121.00	47.000
24	10:38:0	1.300	423.000	121.00	57.000
25	10:41:0	1.350	473.000	121.00	50.000
26	10:44:0	1.400	525.000	121.00	52.000
27	10:47:0	1.450	576.000	121.00	51.000
28	10:50:0	1.500	629.000	121.00	53.000
29	10:53:0	1.550	656.000	121.00	27.000
FINAL FLOW PERIOD					
30	10:54:0	1.567	100.000	121.00	-556.000
31	10:57:59	1.633	100.000	121.00	0.000
32	11:03:0	1.717	100.000	121.00	0.000
33	11:08:0	1.800	177.000	121.00	77.000
34	11:12:59	1.883	127.000	121.00	-50.000
35	11:18:0	1.967	119.000	121.00	-8.000
36	11:23:0	2.050	116.000	121.00	-3.000
37	11:27:59	2.133	114.000	121.00	-2.000
38	11:33:0	2.217	112.000	121.00	-2.000
39	11:38:0	2.300	111.000	121.00	-1.000
40	11:42:59	2.383	111.000	121.00	0.000
41	11:48:0	2.467	111.000	121.00	0.000
42	11:53:0	2.550	111.000	121.00	0.000
FINAL SHUT-IN PERIOD					
43	11:56:0	2.600	113.000	121.00	2.000
44	11:58:59	2.650	115.000	121.00	2.000
45	12:02:0	2.700	118.000	121.00	3.000
46	12:05:0	2.750	124.000	121.00	6.000
47	12:08:0	2.800	129.000	121.00	5.000
48	12:11:0	2.850	137.000	121.00	8.000

ORIGINAL

COMPANY : H-40 DRILLING INC.
 WELL : 27-1
 GAUGE # : 13361
 DATE : 20/11/91

FIELD : JAMES MICHAEL
 JOB # : 17295
 DEPTH : 4650
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	12:13:59	2.900	146.000	121.00	9.000
50	12:17: 0	2.950	158.000	121.00	12.000
51	12:20: 0	3.000	181.000	121.00	23.000
52	12:23: 0	3.050	191.000	121.00	10.000
53	12:26: 0	3.100	212.000	121.00	21.000
54	12:29: 0	3.150	239.000	121.00	27.000
55	12:31:59	3.200	280.000	121.00	41.000
56	12:35: 0	3.250	311.000	121.00	31.000
57	12:38: 0	3.300	358.000	121.00	47.000
58	12:41: 0	3.350	412.000	121.00	54.000
59	12:44: 0	3.400	463.000	121.00	51.000
60	12:46:59	3.450	507.000	121.00	44.000
61	12:50: 0	3.500	551.000	121.00	44.000
62	12:53: 0	3.550	592.000	121.00	41.000
63	12:56: 0	3.600	635.000	121.00	43.000
64	12:59: 0	3.650	671.000	121.00	36.000
65	13: 1:59	3.700	703.000	121.00	32.000
66	13: 5: 0	3.750	730.000	121.00	27.000
67	13: 8: 0	3.800	757.000	121.00	27.000
68	13:11: 0	3.850	787.000	121.00	30.000
69	13:14: 0	3.900	812.000	121.00	25.000
70	13:17: 0	3.950	837.000	121.00	25.000
71	13:20: 0	4.000	859.000	121.00	22.000
72	13:23: 0	4.050	880.000	121.00	21.000
73	13:26: 0	4.100	901.000	121.00	21.000
74	13:29: 0	4.150	919.000	121.00	18.000
75	13:32: 0	4.200	936.000	121.00	17.000
76	13:35: 0	4.250	953.000	121.00	17.000
77	13:38: 0	4.300	966.000	121.00	13.000
78	13:41: 0	4.350	983.000	121.00	17.000
79	13:44: 0	4.400	995.000	121.00	12.000
80	13:47: 0	4.450	1006.000	121.00	11.000
81	13:50: 0	4.500	1017.000	121.00	11.000
82	13:53: 0	4.550	1023.000	121.00	6.000

WESTERN TESTING CO. INC.

HALLIBURTON DIVISION **OKLAHOMA City**
 WELL DATA **Liberal, KS**
 BILLED ON TICKET NO. **186925**
 ORIGINAL
 SEC. **27** TWP. **34** RNG. **4/2** COUNTY **Marton** 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 _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	4 7/8	KB	1400	
LINER						
TUBING	U	16.6	4 1/2	KB	1430	
OPEN HOLE			7 7/8			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11-22-91	DATE 11-22-91	DATE 11-22-91	DATE 11-22-91
TIME 1530	TIME 1800	TIME 1945	TIME 2200

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Eboisole	C2673	40076 Liberal, KS
BOHANNAN	87748	3630-7183 "
Myers	59018	50266-4734 Hugoton, KS

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

DEPARTMENT **Cement**
 DESCRIPTION OF JOB
PTA - 50 SK @ 1480', 50 SK @ 700'
10 SK @ 410', 15 SK IN 1" DIA, 10 SK IN
WATER HOSE
 JOB DONE THRU: TUBING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE **X Mike Long**
 HALLIBURTON OPERATOR **John Eboisole** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	135	60/40 602		B	6% Bcl	1.57	13.4

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. **37.7**
 ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL. _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET **450'** CEMENT LEFT IN PIPE _____
 REASON **Total Plugs in 8 5/8**

RECEIVED
NOV 26 1991

DATE: **11-22-91**
 TIME: **11:22 AM**
 W. CHITA, KS

CUSTOMER **RC Taylor**
 LEASE **James Michael**
 WELL NO. **27-1**
 JOB TYPE **PTA**

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

ATTACH TO INVOICE & TICKET NO. 186925

DISTRICT Liberal, KS

DATE 11-22-91

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

WELL NO. 27-1 LEASE JAMES MICHAEL SEC. 27 TWP. 34S RANGE 42W
FIELD _____ COUNTY Morton STATE Ks OWNED BY RC Taylor

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 DP
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	24	8 5/8	KB	1400	
LINER						
TUBING	U	16.6	4 1/2	KB	1430	
OPEN HOLE			7 7/8			SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Plug to Abandonment w/ 185 SF 60/10 P02 (L7901)
50 SF @ 1430', 50 SF @ 700', 10 SF @ 40', 10 SF IN MOUSE HOLE, 15 SF
IN ROT HOLE

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. 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.

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.
- 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. 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.
- 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. 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.
- 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. 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.
- 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 to this contract, except if such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED Mike Thayer CUSTOMER
DATE 11-22-91

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.

TIME 1800 A.M. P.M.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

FORM 2013 R-2

WELL NO. 27-1 LEASE James Michael TICKET NO. 186925
 OPER. RC Taylor PAGE NO. _____
 JOB TYPE PTA DATE 11-22-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1530							ON location ORIGINAL
	1530							Called Out
	1800							ON location - Rig LAA#
	1930							Rig Circulate @ 1450'
	1940							Hook up Pump truck
	1945	5	10			150		Pump 10 BBL H ₂ O
	-	5	14			250		50 st 60/40 Pz (6% Gel)
	-	5	3			200		3 BBL H ₂ O
	-	5	14			200		14 BBL Mud Disp.
	1955					0		Knock loose - Pull to 700'
	2030							Hook up @ 700'
	2035	5	10			150		Pump 10 BBL H ₂ O
	-	5	14			150		50 st 60/40 Pz (6% Gel)
	-	5	3			100		3 BBL H ₂ O
	-	5	3			100		3 BBL Mud Disp.
	2042					0		Knock loose - Pull DP out
	2130		2.7					Mix 10 st 60/40 Pz (6% Gel) - Plug @ 40'
	2140							Mix 25 st " " " - Plug Rat Hole + Mouse Hole
	2200							Job Complete

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 KANSAS CORPORATION COMMISSION
 JAN 10 1992
 CONSERVATION DIVISION
 WICHITA, KS

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 NOV 26 1991

CUSTOMER

HALLIBURTON SERVICES
Denver, Oklahoma 73530

TICKET NO. 186925-2

A Division of Halliburton Company

FORM 1906 R-11

WELL NO.—FARM OR LEASE NAME 27-1 JAMES Michael		COUNTY Morton	STATE Ks	CITY/OFFSHORE LOCATION	DATE 11-22-91
CHARGE TO R.C. Taylor		OWNER R.C. Taylor		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS ORIGINAL			CONTRACTOR H-40		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
CITY, STATE, ZIP			SHIPPED VIA Halliburton	FREIGHT CHARGES <input type="checkbox"/> PFD <input type="checkbox"/> COLLECT	1 LOCATION LIBBIA, Ks CODE 25540
WELL TYPE 01	WELL CATEGORY D6	WELL PERMIT NO.	DELIVERED TO location		2 LOCATION Morton, Ks CODE 25535
TYPE AND PURPOSE OF JOB 115		B-968698	ORDER NO.		3 LOCATION CODE
					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				MILEAGE	60	Mi			2.60	156	00
000-019				Pump Charge	1430	ft				915	00

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KANSAS CORPORATION CONSERVATION
JAN 10 1992
CONSERVATION DIVISION
WICHITA KS

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AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-968698 1200 91

WAS JOB SATISFACTORILY COMPLETED? _____ WAS OPERATION OF EQUIPMENT SATISFACTORY? _____ WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____ X MIKE THARP CUSTOMER OR HIS AGENT (PLEASE PRINT) X <i>[Signature]</i> 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. John Ebersole HALLIBURTON OPERATOR HALLIBURTON APPROVAL _____ CUSTOMER	SUB TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE. 2271.91
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BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 186925

ORIGINAL

DATE 11-22-91	CUSTOMER ORDER NO.	WELL NO. AND FARM James Michael 27-1	COUNTY Morton	STATE Kansas
CHARGE TO R C Taylor		OWNER Same	CONTRACTOR H-40	
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 25535	PREPARED BY Don Phillips
CITY & STATE		DELIVERED TO E/N Elkhart, Kansas	TRUCK NO.	RECEIVED BY Ebersole

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				135 Cu. Ft. 60/40 Pozmix Cement							
504-043	516.00272	2	B	Premium Cement,	81	sk			6.85	554	85
506-105	516.00286	2	B	Pozmix "A"	54	sk			4.32	233	28
506-121	516.00259	2	B	Halliburton Gel 2%	2	sk					NC
507-277	516.00259	2	B	Halliburton Added Gel 4%	5	sk			14.75	73	75
THIS IS NOT AN INVOICE											
					RECEIVED						
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					RECEIVED						
					JAN 10 1992						
					KANSAS CORPORATION COMMISSION						
					CONSERVATION DIVISION						
					WICHITA, KS						
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		2	B	SERVICE CHARGE			CU. FEET	145	1.15	166	75
500-306		2	B	Mileage Charge	12,306#	35	TON MILES	215.355	.80	172	28
No. B968698		CARRY FORWARD TO INVOICE					SUB-TOTAL		1200 91		