

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 # 30700

Name: Abraxas Production Corporation

Address P. O. Box 17485

City/State/Zip San Antonio, TX 78217

Purchaser: _____

Operator Contact Person: Robert L. G. Watson

Phone (512) 828-5354

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: _____

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

8/20/91 8/26/91 8/26/91
Spud Date Date Reached TD Completion Date

API NO. 15- 153-20,781-00-00

County Rawlins

SE SW Sec. 19 Twp. 1S Rge. 34 East West

660 Ft. South North from Southeast Corner of Section

3300 Ft. East West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

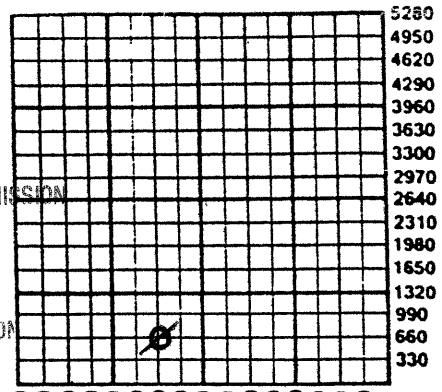
Lease Name Leo Well # 1

Field Name Wildcat

Producing Formation N/A

Elevation: Ground 3192 KB 3197

Total Depth 4380 PBDT _____



RECEIVED
STATE CORPORATION COMMISSION
OCT 02 1991
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

10-2-91
Amount of Surface Pipe Set and Cemented at 307 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ 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 Mark Mecke

Title Production Manager Date 09-27-91

Subscribed and sworn to before me this 27 day of September, 19 91.

Notary Public Dawn Wendel in and for the State of Texas

Date Commission Expires 2/1/92
DAWN WENDEL
NOTARY PUBLIC
State of Texas
Comm. Exp. 11-21-92

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)

SIDE TWO

Operator Name Abraxas Production Corporation Lease Name Leo Well # 1
 Sec. 19 Twp. 1S Rge. 34 East County Rawlins
 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
Stone Corral Anhydrite	3051'	
Base S.C.	3086'	
Topeka	3931'	
Deer Creek	3964'	
Oread	4028'	
Heebner	4064'	
Lansing	4126'	

DST #1 from 4139-4245' in Lansing B&C -- Recovered 30 ft mud with oil spots (1% oil), 300' mud with oil scum & 900' MW with oil scum 15% mud. 85% water.
 Times: 30-30-30-30
 IH 2276 PSI
 IF 142-507 PSI
 ISI 966 PSI
 FF 537-687 PSI
 FSI 946 PSI FH 2266 PSI

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"		307	60/40 Poz	200	2% gel, 3%cc

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD

Size Set At Packer At

Liner Run Yes No

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____



P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

INVOICE NO.	DATE
163358	08/20/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
LED 1		RAWLINS		KS	ABRAXAS
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
OBERLIN		MURFIN 3	CEMENT SURFACE CASING		08/20/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
003650	CURT VANPELT			COMPANY TRUCK	21300

PD BY CK# 02158 \$4,505.28

ABRAXAS PETROLEUM CORP
P O BOX 17485
SAN ANTONIO, TX 78217

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
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	40	MI	2.60	104.00
		1	UNT		
001-016	CEMENTING CASING	307	FT	515.00	515.00
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
		1	EA		
12A	GUIDE SHOE - 8 5/8" 8RD THD.	1	EA	216.00	216.00
825.217					
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 7" - 8 5/8"	1	EA	30.00	30.00
815.19415					
40	CENTRALIZER 8-5/8" MODEL S-4	4	EA	62.00	248.00
807.93059					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
890.10802					
66	FASGRIP LIMIT CLAMP 8 5/8"	1	EA	13.75	13.75
807.64056					
504-308	STANDARD CEMENT	120	SK	6.75	810.00
506-105	POZMIX A	80	SK	3.90	312.00
506-121	HALLIBURTON-GEL 2%	4	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.25	157.50
500-207	BULK SERVICE CHARGE	212	CFT	1.15	243.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	361.60	TMI	.80	289.28
INVOICE SUBTOTAL					3,211.83
DISCOUNT - (BID)					642.36
INVOICE BID AMOUNT					2,569.47
*- KANSAS STATE SALES TAX					85.10

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

AFFIX JOB TKT

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.

*** CASH JOB ***

JOB LOG

WELL NO. _____ LEASE _____ TRACT NO. _____
 CUSTOMER **ABRAXAS PET. INC.** PAGE NO. **1**
 TYPE **SURFACE** DATE **8-20-91**

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							called out ORIGINAL
	1510							ON LOC. Rig Only @ 300 FT Setup Truck
	1520							FIN Only - Circ.
	1540							MAKE SHORT TRIP
	1540							Pull Drill pipe
	1610							START 8 5/8 csg w/ Reg Guide shoe INSERT FLOAT VALVE w/AUTO FILL CENTRALIZON 5 FT ABOVE SHOE ROW 1, 3 & 5th COLLARS
	1715							FIN Csg
	1720							START Circ
	1725							FIN Circ Hook To Pump Truck
	1726				1		100	START N20 SPACER
	1728		5		1		100	FIN SPACER
	1730				1		100	ST. mix 200 STs 60/40 or 2% ogel 3%
	1740		46		1		100	FIN CUT RELEASE LA-11 TOP Plug
	1741				1		100	ST. Disp
	1745		17		1		600	FIN Disp
	1748							RELEASE INSERT float CUT CIRC 6 BBL Job Complete
								Thank you John, Arnold & Mike

WELL DATA
 FIELD wildcat SEC 19 TWP 12 RNG 34W COUNTY Randolph 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 307

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
N	23	8 5/8	KB	307	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-20-91</u>	DATE <u>8-20-91</u>	DATE <u>8-20-91</u>	DATE <u>8-20-91</u>
TIME <u>1130</u>	TIME <u>1510</u>	TIME <u>1610</u>	TIME <u>1748</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
FLOAT SHOE <u>Reg 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
GUIDE SHOE <u>4 8 5/8</u>	<u>4EA</u>	<u>Howco</u>
CENTRALIZERS <u>LA-11 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
BOTTOM PLUG <u>LA-11 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
TOP PLUG <u>Plug lost 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
HEAD <u>Fastgrip clamp 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
PACKER <u>Fastgrip clamp 8 5/8</u>	<u>1EA</u>	<u>Howco</u>
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Keenan</u>	<u>3579 R.C.M.</u>	<u>OBERLIN KS.</u>
<u>H. Berry</u>	<u>3846 B.M.</u>	<u>OBERLIN KS.</u>
<u>M. Jones</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 _____
 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 SURF. Csg
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE [Signature]
 HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>6940por</u>	<u>STAND</u>	<u>B</u>	<u>2% 0902 3% 0cc</u>	<u>1.28</u>	<u>14.3</u>

PRESSURES IN PSI
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 43 REASON Shoe IT.

SUMMARY
 PRESLUSH 5 BBL-GAL TYPE H2O
 LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL. 17 BBL-GAL
 CEMENT SLURRY: 46 BBL-GAL
 TOTAL VOLUME: 68 BBL-GAL
 REMARKS SEE Job log sheet
Thank you

CUSTOMER: Abaxys Petroleum
 LEASE: LEO
 WELL NO. #1
 JOB TYPE: SURFACE
 DATE: 8-20-91

DISTRICT Oberlin, KS

DATE 8-20-91

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

ORIGINAL

WELL NO. 1 LEASE LEO SEC. 19 TWP. 1 S RANGE 34 W

FIELD Wicket COUNTY Rawlins STATE KS OWNED BY ABRAXAS PET, INC.

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FORMATION THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH 307 MUD WEIGHT BORE HOLE 12 1/4 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 (N, 23, 8 5/8, KB, 307), LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

cmT 8 5/8 SUNF. Csg w/ 200 lbs 60/40/02 2% o/gel, 3% cc w/ Guide Shoe, Insert float valve, 5-4 centralizers 5 ft khoe shoe onl, 3 1/2" collars 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. 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.

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

SIGNED Curt Van Pelt CUSTOMER DATE 8-20-91

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 1530 A.M. (P.M.)

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME: #1 LEO
 COUNTY: Rawlins
 STATE: KS
 CITY/OFFSHORE LOCATION: Oberlin, KS
 DATE: 8-20-91

CHARGE TO: ABRAXAS PET, Inc.
 ADDRESS: [Blank]
 CITY, STATE, ZIP: [Blank]

WELL TYPE: 01
 WELL CATEGORY: 03
 WELL PERMIT NO.: B-982390

TYPE AND PURPOSE OF JOB: 010 SURF.

OWNER: ABRAXAS
 CONTRACTOR: MURFIN Rig 3
 SHIPPED VIA: 3579-384
 FREIGHT CHARGES: FPD COLLECT
 DELIVERED TO: NW/ATWOOD KS
 ORDER NO.: [Blank]

TICKET TYPE (CHECK ONE): SERVICE SALES
 LOCATION 1: Oberlin, KS 25529
 LOCATION 2: [Blank]
 LOCATION 3: [Blank]
 REFERRAL LOCATION: [Blank]

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 3579	40	MILES			2.60	104.00
001-016		1		Pump change	307	FT	8	hrs.		515.00
030-503		1		LA-11 Top Plug	1	EA	8.5	in		90.00
12A	825.217	1		Guideshoe	1	EA	8.5	in		216.00
24A	815.19502	1		INSERT FLOAT VALVE	1	EA	8.5	in		171.00
27	815.19415	1		Auto Fill up	1	EA				30.00
40	807.93059	1		S-4 CENTRALIZERS	4	EA			62.00	248.00
990,10802	350	1		Kowco - WELD	1	LB				11.50
66	807.64056	1		FASTENING CLAMP	1	EA	8.5	in		13.75

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-982390

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X *Carl Van Kelt*
 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 Kerem
 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

1812.58

3211.83

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER COPY



REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
051688	08/26/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
LEO 1		RAWLINS		KS	ABRAXAS PET. CORP.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
OBERLIN		MURFIN DR LG. #3		PLUG TO ABANDON		08/26/1991
ACCT NO	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO	
003650	ROY VAN PELT			COMPANY TRUCK	21300	

*PD BY CK# 02158

\$4,505.28*

DIRECT CORRESPONDENCE TO:

ABRAXAS PETROLEUM CORP
P O BOX 17485
SAN ANTONIO, TX 78217

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

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	40	MI	2.60	104.00
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	370.00	370.00
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	114	SK	6.75	769.50
506-105	POZMIX A	76	SK	3.90	296.40
506-121	HALLIBURTON-GEL 2%	4	SK	.00	N/C
507-277	HALLIBURTON-GEL ADDED 4%	6	SK	14.75	88.50
507-210	FLOCELE	48	LB	1.30	62.40
500-207	BULK SERVICE CHARGE	205	CFT	1.15	235.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	339.76	TMI	.80	271.81
INVOICE SUBTOTAL					2,288.36
DISCOUNT-(BID)					457.67
INVOICE BID AMOUNT					1,830.69
INVOICE TOTAL - PLEASE PAY THIS AMOUNT *****					\$1,830.69

RECEIVED
OCT 02 1991
COMMISSION

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.

*** CASH JOB ***

AFFIX JOB TKT

FORM 1900-R4

JOB LOG

WELL NO. 1

LEASE 400

TICKET NO. 051688-X

OWNER

Abnaxas Petroleum Co

PAGE NO. 1 of 1

FORM 2013 R-2

JOB TYPE

Plug to Abandon (New)

DATE

8-26-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0006						DP	Called out - Job ready @ 0300 hrs
	0227							ON loci - Rig Run Plug Stds - Setup Equip
	0245							Rig Circ hole @ 3075 for 1 st plug
	0257	4.0	10.0				175	Hook up to DP - Start 10 bbl. water
	0300	4.0	7.3				175	Start mixing 25 SKS. 60/40 6% Gel - 1/4" Floccle
	0302	3.0	3.5				100	Finish mixing - Start 3 1/2 bbl. water
	0304		38.3					Rig pump mud disp.
	0308							Plug down - Rig lay down DP
	0352							Plug Stds @ 2300' - Rig Circ. for 2 nd plug
	0358	5.0	10.0				50	Hook up - Start 10 bbl. water
	0401	5.0	29.2				150	Start mixing 100 SKS. 60/40 6% Gel - 1/4" Floccle
	0408	3.0	3.5				50	Finish mixing - Start 3 1/2 bbl. water
	0409		21.6					Rig pump mud disp
	0412							Plug down - Rig lay down DP
	0542							Plug Stds @ 360' - Rig fill hole
	0552		5.0				50	Start 5 bbl. water
	0554		11.7				50	Start mixing 40 SKS. 60/40 6% Gel - 1/4" Floccle
	0557		2.3				0	Finish mixing - Start disp.
	0558						0	Plug down - Rig lay down DP
	0612							DP out - Rig break down Kelly
	0630							Push 8 5/8" Plug down 40'
								Rig lay down Kelly & Rat hole
	0645		2.9				0	Start mixing 10 SKS. for 40' plug
	0648		4.4				0	Start mixing 15 SKS. for Rat hole
	0650							Plug down
	0700							Job Completed

RECEIVED
COMMISSIONER
OCT 02 1991
IN DIVISION
Wichita, Kansas

Thank you
Eldon - Harold
& Mike

CUSTOMER

WELL DATA
FIELD Two Woods, Ks SEC 19 TWP 1 RNG 34 COUNTY Radios 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 <u>4380</u>

CASING	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
LINER			<u>8 5/8"</u>	<u>KB</u>	<u>307</u>	
TUBING						
OPEN HOLE			<u>7 1/2"</u>	<u>307</u>	<u>4380</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-11</u>	<u>8 5/8"</u>	<u>Tea Heico</u>
HEAD		
PACKER		
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-26-91</u>	DATE <u>8-26-91</u>	DATE <u>8-26-91</u>	DATE <u>8-26-91</u>
TIME <u>0006</u>	TIME <u>0227</u>	TIME <u>0257</u>	TIME <u>0700</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u>	<u>RMHT-400</u>	
<u>H. Berry</u>	<u>3579</u>	<u>Oberlin, Ks.</u>
	<u>Bm</u>	
<u>M. Jones</u>	<u>3846</u>	<u>Oberlin, Ks.</u>

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL-API
DISPL. FLUID	DENISTY	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 Cementing

DESCRIPTION OF JOB Plug to Abandon

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Roy Van Pelt

HALLIBURTON OPERATOR Eldon Ruppel COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>190</u>	<u>60140</u>			<u>6% Gel-1/4" Floccle</u>	<u>1.64</u>	<u>13.2</u>

PRESSURES IN PSI

CIRCULATING	DISPLACEMENT
BREAKDOWN	MAXIMUM
AVERAGE	FRACTURE GRADIENT
SHUT-IN: INSTANT	5-MIN.
	15-MIN.
ORDERED	AVAILABLE
	USED
TREATING	DISPL.
	OVERALL
FEET	REASON

SUMMARY

VOLUMES

PRESLUSH: BBL. 25.0 TYPE Water

LOAD & BKDN: BBL-GAL

TREATMENT: BBL-GAL

DISPL. BBL. 35.3 216 230

CEMENT SLURRY: BBL. 55.5

TOTAL VOLUME: BBL-GAL

REMARKS See Job Log

Thank you

CUSTOMER RELEASE DATE 8-26-91

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

HALLIBURTON SERVICES
A Division of Halliburton Company

FOR INVOICE AND
TICKET NO. **057688**

DATE 8-26-91	CUSTOMER ORDER NO.	WELL NO. AND FARM 1 Leo	COUNTY Rush	STATE Ks
CHARGE TO Abraxas Pet. Corp.		OWNER Abraxas	CONTRACTOR M.A.#3	
MAILING ADDRESS		DELIVERED FROM Oberlin, Ks	LOCATION CODE 25529	PREPARED BY Ch/M.I.e
CITY & STATE		DELIVERED TO Wendell, Ks	TRUCK NO. 3846	RECEIVED BY E.R. Reynolds

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-308		1	B	Std. Cmt.	114	gk			6.25	719.50
506-105		1	B	92 M. x 'A'	76	sk			3.90	296.40
506-121		1	B	(4) Halliburton Gel Added 2%						NK
507-277		1	B	Halliburton Gel Added 4%	6	sk			14.75	88.50
507-121		1	B	Flocele	48	lb.			1.25	62.40
<div style="position: absolute; transform: rotate(-45deg); opacity: 0.5; font-size: 2em; font-weight: bold;">THIS IS NOT AN INVOICE</div> <div style="text-align: center;"> <p>RECEIVED</p> <p>STATE CORPORATION COMMISSION</p> <p>OCT 02 1991</p> <p>WICHITA DIVISION</p> <p>Wichita, Kansas</p> </div>										
			Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
			SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1	B	SERVICE CHARGE			205	1.15		235.75
500-302		1	B	Mileage Charge	16,988	40	339.76	1.80		271.81
B 982396						CARRY FORWARD TO INVOICE		SUB-TOTAL		1724.36



FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME #1 Leo	COUNTY Rawlins	STATE Ks	CITY / OFFSHORE LOCATION	DATE 8-26-91
CHARGE TO Abraxas Petroleum Corp.	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	CONTRACTOR Murtin Dry Rig #1	LOCATION 1 Oberlin, Ks. 25529		CODE
CITY, STATE, ZIP	SHIPPED VIA 3574-3846	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2	CODE
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-972396	DELIVERED TO NW/Atwood, Ks.	LOCATION 3
TYPE AND PURPOSE OF JOB 115 Plug to Abandon		ORDER NO.	REFERRAL LOCATION ORIGINAL	

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 (3574)	40	mi.			2.60	104 00
090-910		1		Pump Charge	2	hrs			370.00	370 00
090-928		1		Additional Hours		hrs			84.00	
030-503		1		Top Plug	1	ea.	8 5/8 in.		90.00	90 00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO **B-972396** 1724 36

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

CUSTOMER OR HIS AGENT (PLEASE PRINT)
E. J. ...

CUSTOMER OR HIS AGENT (SIGNATURE)
[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

CUSTOMER

SUB TOTAL **2299 36**

APPLICABLE TAXES SHALL BE ADDED ON INVOICE