

ORIGINAL
SIDE ONE

(CORRECTED)

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

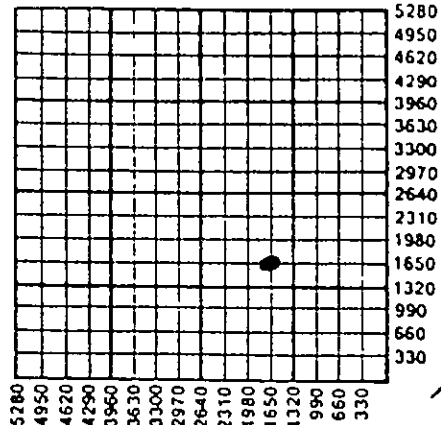
Operator: License # 30575
Name: Holden Energy Corporation
Address Suite 600 Lincoln Center
Ardmore, Oklahoma 73401
City/State/Zip
Purchaser:
Operator Contact Person: Harold Holden
Phone (405) 226-3960
Contractor: Name: Red Tiger Drilling
License: 5302
Wellsite Geologist: Company

Designate Type of Completion
 New Well Re-Entry Workover FFR 2 2 1991
 Oil SWD Temp. Abd. 02-22-91
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:
Operator:
Well Name:
Comp. Date Old Total Depth

Drilling Method:
 Mud Rotary Air Rotary Cable
12-08-90 12-18-90 12-19-90
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20.496-00-00
County Logan
SE NW SE Sec. 23 Twp. 14 Rge. 35 East
1650 Ft. North from Southeast Corner of Section
1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Dirks Well # 23-1
Field Name
Producing Formation N/A
Elevation: Ground 3144 KB 3149
Total Depth 4904' PBDT



AI II P & A

Amount of Surface Pipe Set and Cemented at 269' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2566' Feet
If Alternate II completion, cement circulated from P & A
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 [Signature]
Title Production Superintendent Date 2/20/91
Subscribed and sworn to before me this 20 day of February,
19 91.
Notary Public [Signature]
Date Commission Expires October 13, 1993

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 Holden Energy Corporation Lease Name #23-1 Dirks Well # 23-1
 Sec. 23 Twp. 14 Rge. 35 East West
 County Logan

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; font-size: small;">Name</th> <th style="text-align: left; font-size: small;">Top</th> <th style="text-align: left; font-size: small;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Cedar Hills Anhydrite</td> <td>1855</td> <td>2200</td> </tr> <tr> <td>Stone Corral " "</td> <td>2445</td> <td>2531</td> </tr> <tr> <td>Lansing Kansas City</td> <td>3956</td> <td>4417</td> </tr> <tr> <td>Marmaton</td> <td>4417</td> <td>4542</td> </tr> <tr> <td>Cherokee " "</td> <td>4542</td> <td>4600</td> </tr> <tr> <td>Atoka</td> <td>4600</td> <td>4692</td> </tr> <tr> <td>Morrow</td> <td>4692</td> <td>4774</td> </tr> <tr> <td>Mississippi</td> <td>4774</td> <td>4907 T.D.</td> </tr> </tbody> </table>	Name	Top	Bottom	Cedar Hills Anhydrite	1855	2200	Stone Corral " "	2445	2531	Lansing Kansas City	3956	4417	Marmaton	4417	4542	Cherokee " "	4542	4600	Atoka	4600	4692	Morrow	4692	4774	Mississippi	4774	4907 T.D.
Name	Top	Bottom																										
Cedar Hills Anhydrite	1855	2200																										
Stone Corral " "	2445	2531																										
Lansing Kansas City	3956	4417																										
Marmaton	4417	4542																										
Cherokee " "	4542	4600																										
Atoka	4600	4692																										
Morrow	4692	4774																										
Mississippi	4774	4907 T.D.																										

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24#	269'	60-40 poz	175	2%gel 3% cc
Production		4 1/2		4903'		300	6%AC-10 2%gel 3/4 of 1%cc
PERFORATION RECORD 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			
2	4802-4814			1000gal 15% MCA			
2	4576-4582			1000gal 15% MCA			
2	4528-4536						
2	4492-4512			20,000 gal 15% N.E. Acid			
2	4470-4476						
2	4438-4444						
2	4248-4254						
2	4112-4126 2/ft 3957-3973			1000 gal 15% MCA			
TUBING RECORD Size Set At Packer At				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> 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) Dry					
None P & A							
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 Perforation Dually Completed Commingled

Other (Specify) P & A

Production Interval _____

JOB SUMMARY

HALLIBURTON LOCATION **Komar, Co**

BILLED ON TICKET NO. **110895**

WELL DATA
 SEC. **27** TWP. **14 S** RND. **35 W** COUNTY **Logan** STATE **WV**
 FIELD _____
 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 _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR 11 5/8"	1	Howco
FLOAT SHOE _____		
GUIDE SHOE Type M	1	"
CENTRALIZERS S4	2	"
BOTTOM FLUG _____		
TOP FLUG CPI	1	"
HEAD _____		
PACKER _____		
OTHER 1 Wold A	1	"

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 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 _____

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
12-8	12-8	12-8	12-8
TIME 0930	TIME 1430	TIME 11:00	TIME 1630

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
E Painter 44366	33670	Komar, Co
J Crawford D7877	6595	"
D. McArthur D9704	6607	"

DEPARTMENT **Cmt**
 DESCRIPTION OF JOB **Cement Surf Face Casings**
 JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.
 CUSTOMER REPRESENTATIVE **Rick Pulice**
 HALLIBURTON OPERATOR **E Painter** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	175	OP02		I	B	60% cement, 40% Poz, 2% Gel, 3% CC	1.28	14.3

PRESSURES IN PSI
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 3-MIN. _____ 15-MIN. _____
HYDRAULIC HORSEPOWER
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 FEET _____ REASON _____

SUMMARY
 PREFLUSH: BBL-GAL. _____ TYPE _____
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. **147**
 CEMENT SLURRY: BBL-GAL. **39.9**
 TOTAL VOLUME: BBL-GAL. _____
REMARKS

CUSTOMER

CUSTOMER: **Halle**
 LEASE: **Dicks**
 WELL NO.: **23-1**
 JOB TYPE: **Surf Face**
 DATE: **12-8-90**

HALLIBURTON SERVICES
Duncan, Oklahoma 73536

NO. **910895-7**

FORM 1906 R-11

ORIGINAL 15-109-20496-00-00

WELL NO. - FARM OR LEASE NAME Dicks 23-1		COUNTY Logan	STATE Ks	CITY / OFFSHORE LOCATION		DATE 12-8-90
CHARGE TO Holder Energy Corp			OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		MITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS Suite 600 Lincoln Center			CONTRACTOR Red Tiger		LOCATION 1 Homer Co	CODE 25615
CITY, STATE, ZIP Andover, Ok 73401			SHIPPED VIA Howru	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Loc S Russell Springs, Ks		LOCATION 3	CODE
TYPE AND PURPOSE OF JOB G10		B-815234	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				MILEAGE	40	mi			2.35	94.00
000 118				Surcharge	40	mi			1.40	16.00
001 016				Casing Job	261	ft			4.40 ⁰⁰	440.00
030 503				Top Wooden Plug	1	ea	5%		59 ⁰⁰	59.00
16A	436.2171			Type M. Casing Shear	1	ea	"		161 ⁰⁰	161.00
24A	815.17502			Insert float	1	ea	"		171 ⁰⁰	171.00
40	807.93659			Centrifugers	2	ea	"		53 ⁰⁰	106.00
350	816.10802			Weld A	1	lb			11 ⁰⁰	11.00

THIS IS AN INVOICE

NOT

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-815234** 1584.72

WAS JOB SATISFACTORILY COMPLETED? Yes

WAS OPERATION OF EQUIPMENT SATISFACTORY? Yes

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? Yes

X Rick Pickle
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Rick Pickle
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
CUSTOMER

SUB TOTAL **7642.72**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

JOB LOG

CUSTOMER

HOLDER ENERGY CO. 15-109-20496-00-00

JOB TYPE

SYS

DATE

7/1/70

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0733							Called Out - oil test CDT
	1420							On line unit 6575 P
	1600							rigging up to run casing Break circulation
	1610	5	5	✓		1100		Start 5 bbl water ahead
	1612			✓		200		Start mixing cement
	1619	7	39.5	✓		200		cement mixed - drop plug
	1622	2		-		0		start of spacer cement
	1625	3	14.5	✓		500		Plug top end Start holding Circulated approx 8 bbl cement

Handwritten notes:

1625
1628
1635
1640
1645
1650
1655
1700
1705
1710
1715
1720
1725
1730
1735
1740
1745
1750

Good
16:00
16:30

Good
16:00
16:30

**AND
TICKET CONTINUATION**

FOR INVOICE AND
TICKET NO. 910895

15-109-20496-00-00

DATE 12-8-90	CUSTOMER ORDER NO.	WELL NO. AND FARM 23-1 Dirks	COUNTY Logan	STATE Ks.
CHARGE TO Holden		OWNER Same	CONTRACTOR Tiger Drlg.	No. B815234
MAILING ADDRESS		DELIVERED FROM Lamar Co.	LOCATION CODE 25615	PREPARED BY Slatten
CITY & STATE		DELIVERED TO Loc.	TRUCK NO. 1543-6607	RECEIVED BY Painter

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	105	sks			6.75	708.75
506-105				Pozmix	70	sks			3.50	245.00
509-406				Calcium Chloride	6	sks			26.25	157.50
506-121				Gel 2% allowed	3	sks			N/C	
500-307				Mileage Surcharge	315.02	mi			.10	31.50

THIS IS NOT AN INVOICE

FEB 2 1991

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
			SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET		
500-207			SERVICE CHARGE		CU. FEET 187	1.10	205.70
500-314		Mileage Charge	15751 TOTAL WEIGHT	40 LOADED MILES	TON MILES 315.02	.75	236.27
No. B 815234						CARRY FORWARD TO INVOICE	SUB-TOTAL
							1584.72



P.O. BOX 4442

Houston, Tx. 77210

15-109-20496-00-00

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, TX 77212

DATE: 12-18-90 SERVICE CONTRACT NO. 609805

CUSTOMER ACCOUNT NO.	DIST NAME Oakley, Ks	NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0	JOB NUMBER
CUSTOMER Holden Energy Corp	DIST NUMBER 3320	WELL NO. 23-1	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Dicks	
ADDRESS Suite 600 Lincoln Center	CITY Ardmore	STATE Okla	ZIP 73401	CITY CODE
AUTHORIZED BY: Rick Pickel	ORDER NO.	COUNTY Logan	STATE Ks	CODE
STAGE NO.	JOB CODE	WORKING DEPTH 4896 FT	PUMPING EQUIPMENT	TIME (A OR P)
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input checked="" type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	DEPTH 4896 FT	TRUCK CALLED	DATE 12-18-90
TOTAL MEAS. DEPTH FT.	SIZE HOLE 7 7/8"	DEPTH 4904 FT	ARRIVED AT JOB	12-18-90
PRESSURE AVG. PSI. 600 MAX. PSI. 1500	SIZE & WT. CASING 4 1/2" 10.5#	DEPTH 4896 FT	START OPERATION	12-18-90
MAX. BPM 6	SIZE & WT. DRILL PIPE OR TUBING	DEPTH	FINISH OPERATION	12-19-90
S/S EMPLOYEE NUMBER 512-58-0438	PACKER DEPTH	FLUID PUMPED	TIME RELEASED	5:00A 12-19-90
REMARKS	CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 011

SIGNED: Rick Pickel (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
11011003216	1	Pumping charge	1260.00	ea	1260.00
11011090005	38	Pump truck mileage (Oakley 38)	2.35	Per mile	89.30
11041101504	300	Class A Cement	6.30	sb	1890.00
11042180220	1700	A-10	.22	lb.	374.00
110411510419	240	Ca. Cl.	.46	lb.	110.40
110421011415	600	Hel	.13	lb.	78.00
11042150110	500	BJ Mud Sweep	1.45	gal	725.00
11094101101	585	Hauling 15.4 x 38	.75	TM	438.75
110818010101	300	Handlings & dumping	1.10	sb	330.00
1104131015108	1	4 1/2" rubber plug	42.50	ea	42.50

SERVICE REPRESENTATIVE: [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

15-109-20496-06-00

STAGE NO.

Date 12-18-90 District Oakley, KS Ticker No. 609805
 Company Holden Energy Corp Rig Red Tiger
 Lease Durba Well No. 231
 County Ogawa State Ks
 Location Russell Springs 3/4E Field 655-3NW

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2" Type J-55 Weight 10.5 Collar S 8 in

Casing Depths: Top surface Bottom 4896'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.159 Lin. ft./Bbl. 62.7
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

500 gal BS Mud sweep
 LEAD: Pump Time _____ hrs. Type Class A 6% A-10
2% Gel, 3/4 of 1% CC Excess _____
 Amt. 300 Skys Yield 1.58 ft³/sk Density 14.3 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used BSU-6463
 Bulk Equip. BSU-2750 BSU-6455

Float Equip: Manufacturer Baker
 Shoe: Type float shoe Depth 4896'
 Float: Type flex fill insert Depth 4852'
 Centralizers: Quantity 10 Plugs Top rubber Btm. _____
 Stage Collars Part collar
 Special Equip. baker loc
 Disp. Fluid Type #20 Amt. 77.5 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Rich Pickel

CEMENTER Larry L.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
10:00						on loc with float equip
11:45						run float equip
12:30 am						take on loc set up
2:00						hold pre-job safety meeting
2:30						hook up to circulate
3:22					4 to 5	pump BS Mud sweep
3:25					4 to 5	mix cement
3:42						wash out pump & lines
3:45					2 to 7	displace
4:20						plug down
						after washing out pump & lines, and start displacement with 16 bbl out @ 700 PSI @ 200 PSI pressure jumped to 1200 PSI @ 700 PSI to 1300 PSI (a pretty good restriction somewhere)
						Cement = 84.4 bbls during
						Thank you Larry L.



CUSTOMER COPY
 SERVICE OPERATIONS CONTRACT
 CONTINUATION 15-109-20496-00-00

CONTRACT NO. 609805

DATE OF JOB: 12/18/90 (MM/DD/YY) DISTRICT: Oakley, Ks DIST. NO.: 3320 AUTHORIZED BY: Rick Pickel
 CUSTOMER: Holden Energy Corp

PRICE BOOK 01

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
110409600	1	4 1/2" Float shoe (B)	220.00	ea	220 00
110409600	1	4 1/2" Insert (B)	167.45	ea	167 45
110409600	1	4 1/2" Port Collar (B)	1456.00	ea	1456 00
110409600	10	4 1/2" Centralizers (B)	43.42	ea	434 20
110409600	2	4 1/2" Centralizer style Barbets (B)	150.30	ea	300 60
110409600	1	Box Barbets (B)	20.80	ea	20 80
		Sub-Total			7937 00
		-20% discount			1587 40
		Total			6349 60
		Fuel Adjustment	25%		158 74
		Total			6508 34

FEB 20 1991

SERVICE REPRESENTATIVE: *Karen Johnson* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Rick Pickel*

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Tx. 77210

CUSTOMER COPY

15-109-20496-00-00
SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 1-28-91	SERVICE CONTRACT NO. 609609
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0
WELL NO. 23-1	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Dirks
COUNTY/PARISH Logan	STATE KS.
FIELD NAME Poe well service	CITY CODE
WELL OWNER Holden Energy Corp.	MTA CODE
PUMPING EQUIPMENT 00 TIME (A OR P)	DATE
TRUCK CALLED	MM DD YY
ARRIVED AT JOB	
START OPERATION	
FINISH OPERATION	
TIME RELEASED	
MILES FROM STATION TO WELL 38	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST NAME
CUSTOMER Holden Energy Corp.	DIST NUMBER
ADDRESS Suite 600 Lincoln Center	
CITY Ardmore	STATE OK
AUTHORIZED BY: (Please Print)	ORDER NO.
STAGE NO.	JOB CODE
TOTAL PREV. GALS.	WORKING DEPTH FT.
TOTAL MEAS. DEPTH FT.	FLUID PUMPED
MAX. BPM	
S/S EMPLOYEE NUMBER	
456-66-1602	

REMARKS

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
11011010302	1	Pump Services	440.00	EA	440.00
11011091005	38	Pump Truck miles	2.35	mi	89.30
11041015104	4 1/2	Class "A" Cement	6.30	SK	289.80
11041151018	24	Pozmix (Fl/Ash)	3.62	SK	86.88
11042615215	100	Cotton seed Halls	2.00	lb	20.00
110181810101	70	Handling & Pumping	1.10	cu ft	77.00
11094101101	117.8	Hauling 3.1 X 38	.75	Trin	88.35
		Sub total			1091.33
		12% Discount			130.96
		24% Fuel Adj: 24.01 + 960.37 = 984.38			960.37

SERVICE REPRESENTATIVE: Kenneth O. Boulton
SIGNED: [Signature] (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

STAGE NO.

15-109-20496-00-00

Date 1-28-91 District Oakley Ticket No. _____
Company Holden Energy Corp. Rig _____
Lease Dicks Well No. 23-1
County Llano State _____
Location Russell Springs 34 E - 6 1/2 S - N/W 10 E Field _____

CEMENT DATA:
Spacer Type: _____
Amt. 70 Sk's Yield 2.96 ft³/sk Density 12.4 PPG
65/35 10% gel

CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 4 1/2 Type _____ Weight 10.5 Collar _____

LEAD: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sk's Yield _____ ft³/sk Density _____ PPG
TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sk's Yield _____ ft³/sk Density _____ PPG
WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top Ground Level Bottom 4896

Pump Trucks Used _____
Bulk Equip. _____

Drill Pipe: Size _____ Weight _____ Collars _____
Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
Shoe: Type _____ Depth _____
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
Mud Type _____ Weight _____ PPG

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.70
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Dick Hilde

CEMENTER Kenneth O. Boudreau

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
9:30						Trucks called
11:15						On location
11:35						Hold safety meeting
11:45						Set up trucks.
12:15						Set out fire extinguisher
12:55						Wait on Rig crew
1:03						Hook up
1:08						Mix cement with 2 sk. of cotton
						Seed Halls in first part of cement
						Displace cement to 3600ft with
						fresh water
						We started pumping pressure with
						47 bbls displaced pressure got to 300 PSI
						and the collar started to lock. We shut
						down to 50 PSI. Displace at 1/2 bbls per
						min. to 45 bbls. Shut down and let
						set. Check vacuum (not own vac.)
						Max pressure 400 PSI
1:40						Job complete



P.O. Box 4442
Houston, Tx. 77210

ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx: 77212

DATE 1-30-91	SERVICE CONTRACT NO. 609811
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE <input type="checkbox"/> JOB NUMBER
WELL NO. 23-1	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Dudo
COUNTY PARISH Logan	CODE STATE Ks
CITY CODE	MTA CODE
FIELD NAME Pac Pulling Unit	WELL OWNER Holden Energy Corp
PUMPING EQUIPMENT	TIME (A OR P) DATE
TRUCK CALLED	6:00 A 1/30/91
ARRIVED AT JOB	8:00 A 1/30/91
START OPERATION	12:00 P 1/30/91
FINISH OPERATION	4:30 P 1/30/91
TIME RELEASED	5:00 P 1-30-91
MILES FROM STATION TO WELL 40	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST. NAME Oakley, Ks	
CUSTOMER Holden Energy Corp	DIST. NUMBER 585	
ADDRESS		
CITY STATE ZIP		
AUTHORIZED BY: (Please Print) Rick Pickle	ORDER NO.	
STAGE NO.	JOB CODE	WORKING DEPTH 2550 FT
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	
TOTAL MEAS. DEPTH FT.	SIZE HOLE 7 7/8"	DEPTH FT
	SIZE & WT. CASING 4 1/2" 10.5#	DEPTH FT
	SIZE & WT. DRILL PIPE OR TUBING	DEPTH FT
AVERAGE PRESSURE AVG. PSI. MAX. PSI.	PACKER DEPTH	FLUID PUMPED
200 700		
MAX. BPM 5		
S/S EMPLOYEE NUMBER 512-58-0438		

REMARKS

771221391

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
110110121114	1	Pumping charge	1040.00	ea	1040.00
110110910105	40	Pump truck mileage Oakley	2.35	Per mile	94.00
1101411015104	195	Class A Cement	6.30	sb	1228.50
110141150118	105	Pac mix	3.62	sb	380.10
110142011145	2700	Hel	.13	lb.	351.00
110194011011	576	Hauling 14.4 x 40	.75	Tm	432.00
1101818101001	300	Handling + dumping	1.10	sb	330.00
		Sub-Total			3855.60
		- 20% discount			771.12
		Total			3084.48

SERVICE REPRESENTATIVE: *Garrett D.*
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Rick Pickle*
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CHECK IF CONTINUATION IS USED
 CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Texas 77210

15-109-20496-00-00

CEMENTING LOG

STAGE NO.

Date 1-30-91 District Osborne, Ks Ticket No. 609811
 Company Holden Energy Corp Rig Pos Unit
 Lease Dicks Well No. 23-1
 County Wagon State Ks
 Location Russell Springs Field _____
SE-85-3W-20

CASING DATA: PTA Squeeze AW Plug #
 Surface Intermediate Production Liner
 Size 4 1/2" Type J-55 Weight 10.5# Collar 5.8wd

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.6
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 65/35 Pac
10.5 gal Excess _____
 Amt. 300 Sks Yield 2.06 ft³/sk Density 12.4 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used BSU-6463
 Bulk Equip. BSU-2750 BSU-6455

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H₂O Amt. _____ Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Rich Pickle

CEMENTER Larry A.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
8:00						on loc + set up tub hold pres - job safety meeting mix 115 of 65/35 Pac 10% gel through 4 1/2" pull 35 jtc cas
10:30						
12:00pm						
1:20						mix 165 of 65/35 Pac 10% gel through 4 1/2" pull remaining cas
4:10						mix 10% of 65/35 Pac 10% gel through 8 5/8"
4:15						mix 10% of 65/35 Pac 10% gel in R#
4:30						Shut in at 300 PSI Holding 150 PSI Job complete
						Thank you Larry & crew

FORM 20 1991

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs THANK YOU

Form No. SR 0502 (Rev. 3/80)
Note: Must accompany job ticket.