

ORIGINAL

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 # 9163

Name: JANDIE OIL COMPANY, INC.

Address PO Box 1585

City/State/Zip Great Bend, KS 67530

Purchaser: none

Operator Contact Person: Freddie D. Walls

Phone (316) 793-7288

Contractor: Name: Woodman-Iannitti Drilling Co.

License: 5122

Wellsite Geologist: Todd E Morgenstern

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If ~~OWNO~~: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method: Mud Rotary Air Rotary Cable

3/27/91 4/03/91 4/04/91

Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,752-0000

County STAFFORD

SE 33 SW 22 Sec. 33 Twp. 22 Rge. 12 East West

330 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

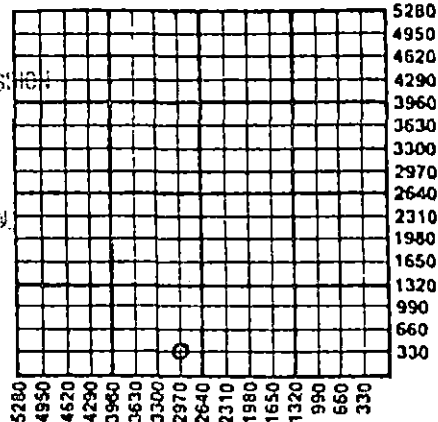
Lease Name SPANGENBERG Well # 1-33

Field Name Hudson (Abandoned)

Producing Formation none

Elevation: Ground 1840' KB 1845'

Total Depth 3780' PBDT _____



Amount of Surface Pipe Set and Cemented at 315 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 Richard G. Smith

Title Agent of Operator Date 4-29-91

Subscribed and sworn to before me this 29th day of April, 19 91.

Notary Public Freddie D. Walls

Date Commission Expires September 2 1991

NOTARY PUBLIC - State of Kansas
FREDDIE D. WALLS
My App. Exp. 9-2-91

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 JANDIE OIL COMPANY, INC. Lease Name SPANGENBERG Well # 1-33

Sec. 33 Twp. 22s Rge. 12 East West
 County STAFFORD

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Soil, sand, clay</td> <td style="text-align: center;">0</td> <td style="text-align: center;">629</td> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">629</td> <td style="text-align: center;">650</td> </tr> <tr> <td>Shale & Lime</td> <td style="text-align: center;">650</td> <td style="text-align: center;">2860</td> </tr> <tr> <td>Lime</td> <td style="text-align: center;">2860</td> <td style="text-align: center;">3150</td> </tr> <tr> <td>Shale</td> <td style="text-align: center;">3150</td> <td style="text-align: center;">3282</td> </tr> <tr> <td>Lime & Shale</td> <td style="text-align: center;">3282</td> <td style="text-align: center;">3564</td> </tr> <tr> <td>Shale & Lime</td> <td style="text-align: center;">3564</td> <td style="text-align: center;">3600</td> </tr> <tr> <td>Chert & Shale</td> <td style="text-align: center;">3600</td> <td style="text-align: center;">3680</td> </tr> <tr> <td>Shale</td> <td style="text-align: center;">3680</td> <td style="text-align: center;">3740</td> </tr> <tr> <td>Dolomite</td> <td style="text-align: center;">3740</td> <td style="text-align: center;">3780</td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Soil, sand, clay	0	629	Anhydrite	629	650	Shale & Lime	650	2860	Lime	2860	3150	Shale	3150	3282	Lime & Shale	3282	3564	Shale & Lime	3564	3600	Chert & Shale	3600	3680	Shale	3680	3740	Dolomite	3740	3780
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Shale	3680	3740																																						
Dolomite	3740	3780																																						

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"	23#	315'	60-40 Poz	225	3%CC+2%Gel		
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record					
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth		
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No					
	Size	Set At	Packer At						
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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

FORMATION TEST NO. 1

15-185-22752-0000

3320-3400

ORIGINAL

Fair to strong blow

30 min.

I.H.P.

1762#

I.F.P.

132#-183#

Fair blow

30 min.

I.S.I.P.

758#

30 min.

F.F.P.

224#-224#

30 min.

F.S.I.P.

559#

F.H.P.

1762#

RECOVERY:

330' gassy mud with a few oil spots on top of tool.

TEMPERATURE:

106°

FORMATION TEST NO. 2

3433-3490

Weak blow

30 min.

I.H.P.

1832#

I.F.P.

71#-71#

30 min.

I.S.I.P.

91#

Weak blow

30 min.

F.F.P.

81#-81#

30 min.

F.S.I.P.

81#

F.H.P.

1832#

RECOVERY:

15' mud.

TEMPERATURE:

106°

FORMATION TEST NO. 3

3498-3524

Weak blow

30 min.

I.H.P.

1852#

I.F.P.

51#-51#

15 min.

I.S.I.P.

918#

Weak blow

15 min.

F.F.P.

61#-61#

15 min.

F.S.I.P.

858#

F.H.P.

1802#

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RECOVERY:

60' mud with a few oil spots on top of tool.

APR 30 1991

TEMPERATURE:

106°

CONSERVATION DIVISION

Wichita, Kansas

FORMATION TEST NO. 4

3608-3669

Weak blow

30 min.

I.H.P.

1932#

I.F.P.

61#-61#

30 min.

I.S.I.P.

71#

Weak blow

30 min.

F.F.P.

61#-61#

30 min.

F.S.I.P.

61#

F.H.P.

1932#

RECOVERY:

20' mud with a few oil spots on top of tool.

TEMPERATURE:

108°

FORMATION TEST NO. 5

3661-3708

Weak blow

30 min.

I.H.P.

2052#

I.F.P.

61#-61#

30 min.

I.S.I.P.

204#

Weak blow, dead in 25 min.

30 min.

F.F.P.

61#-61#

30 min.

F.S.I.P.

153#

F.H.P.

2020#

RECOVERY:

20' mud.

TEMPERATURE:

110°

ORIGINAL

Jandie Oil Company, Inc
 No. 1-33 Spangenberg
 SE SE SW Sec 33-22s-12w
 Stafford County, Kansas

FORMATION TOPS

Anhydrite	629
Base Anhydrite	653
Topeka	2863
Heebner	3152
Toronto	3172
Douglas	3185
Brown Lime	3284
Lansing	3308
Base Kansas City	3568
Mississippian	3604
Viola	3638
Simpson	3684
Reworked Arbuckle	3734
Arbuckle	3745
Rotary Total Depth	3780

Formation Log	Top	Bottom
Soil sand clay	0	629
Anhydrite	629	653
Shale & lime	653	2863
Lime shale streaks (Topeka)	2863	3152
Shale (Heebner)	3152	3156
Lime	3156	3160
Shale lime streak (Douglas)	3160	3284
Lime (Brown)	3284	3290
Shale	3290	3308
Lime shale streaks (Lansing)	3308	3568
Shale lime streaks	3568	3604
Chert & lime (Mississippian)	3604	3638
Chert (Viola)	3638	3684
Shale (Simpson)	3684	3634
Dolomite (Reworked & Arbuckle)	3634	3780

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CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

15.185-22752-0000

DRILLING TIMES:

2801-2810	3-3-2-3-2-2-3-2-1-1
2811-2820	1-2-1-1-1-2-2-2-2-2
2821-2830	3-3-3-3-2-3-3-2-2-2
2831-2840	1-2-2-2-3-2-2-2-2-2
2841-2850	2-1-1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2851-2860	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$
2861-2870	1-1-1-2-2-2-3-2-2-2
2871-2880	2-2-3-2-3-3-2-3-3-3
2881-2890	3-2-3-3-2-3-2-3-2-2
2891-2900	2-2-2-3-3-2-2-2-2-2
2901-2910	1-2-2-1-1-1-1-2-2-2
2911-2920	1-2-2-2-2-2-2-2-1-2
2921-2930	1-1-1-2-2-2-2-2-2-2
2931-2940	2-2-2-2-2-2-2-2-2-2
2941-2950	3-3-2-3-2-2-3-3-3-3
2951-2960	3-3-3-2-2-2-2-2-2-2
2961-2970	3-3-3-3-2-2-2-3-3-3
2971-2980	3-3-2-3-3-3-3-2-3-3
2981-2990	3-3-3-3-3-3-2-1- $\frac{1}{2}$ - $\frac{1}{2}$
2991-3000	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$ - $\frac{1}{2}$ -1
3001-3010	1-2-2-1-1-2-2-2-2-2
3011-3020	2-1-1-1-1-1-1-1-1- $\frac{1}{2}$
3021-3030	$\frac{1}{2}$ -1-1-1-2-2-2-2-2-2
3031-3040	3-3-2-2-3-2-2-2-2-3
3041-3050	3-3-3-3-3-2-3-3-3-2
3051-3060	3-3-2-2-2-2-2-1-1-3
3061-3070	3-3-2-3-2-1-2-1-1-1
3071-3080	$\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1- $\frac{1}{2}$
3081-3090	1- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -1-3-2-2
3091-3100	2-3-3-2-3-4-4-3-2-3
3101-3110	3-3-3-3-2-2-2-3-3-3
3111-3120	3-3-3-3-3-3-3-3-4-3
3121-3130	3-4-3-3-3-3-3-3-2
3131-3140	2-2-2-3-2-1-2-1-2-2
3141-3150	2-2-2-2-1-1-3-2-2-3
3151-3160	3-4-2-2-2-1-1-2-4-4
3161-3170	3-3-3-2-2-2-3-2-2-2
3171-3180	2-2-3-2-3-3-2-3-4-2
3181-3190	3-3-3-3-3-2-2-2-2-2
3191-3200	2-2-2-2-3-1-2-2-2-2

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DRILLING TIMES: (Cont.)

3201-3210	2-2-2-2-2-2-2-2-2-1
3211-3220	1-2-1-2-2-2-3-2-1-2
3221-3230	2-1-2-1-2-2-1-2-2-2
3231-3240	2-1-2-1-2-2-1-2-2-2
3241-3250	1-1-2-1-2-1-1-2-1-2
3251-3260	1-2-1-2-1-2-1-2-1-1
3261-3270	2-2-1-1-2-1-1-1-1-2
3271-3280	1-1-1-1-2-1-1-2-1-1
3281-3290	1-2-1-1-2-4-4-4-3-3
3291-3300	4-4-4-2-2-2-2-2-2-3
3301-3310	3-4-3-2-2-2-2-2-4-4
3311-3320	3-3-4-3-4-4-4-5-4-4
3321-3330	4-5-3-4-4-4-4-3-5-4
3331-3340	4-3-3-4-4-5-4-5-5-4
3341-3350	5-4-4-3-3-4-5-5-4-5
3351-3360	5-5-5-3-3-2-3-3-4-5
3361-3370	5-4-5-5-4-5-5-6-5-5
3371-3380	5-5-5-5-4-4-6-4-5-6
3381-3390	4-5-5-2-4-2-4-5-5-4
3391-3400	5-5-5-5-4-5-5-4-4-6
3401-3410	5-5-3-3-4-3-2-3-3-3
3411-3420	3-3-4-4-3-4-3-4-3-4
3421-3430	4-4-5-4-5-5-4-5-5-4
3431-3440	5-5-5-5-6-6-5-6-6-4
3441-3450	4-3-3-3-6-3-5-4-4-4
3451-3460	3-4-4-4-5-3-3-4-4-3
3461-3470	3-4-5-5-3-4-5-5-6-5
3471-3480	5-5-6-6-4-5-5-5-4-5
3481-3490	3-5-5-5-5-5-2-3-3-2
3491-3500	2-5-4-6-5-5-5-5-5-5
3501-3510	6-6-5-6-4-3-3-5-4-2
3511-3520	2-4-3-3-4-5-4-5-5-5
3521-3530	6-5-5-6-4-4-6-4-7-6
3531-3540	6-6-5-6-6-6-5-6-7-4
3541-3550	4-2-5-5-7-5-4-6-4-6
3551-3560	3-4-5-4-4-5-6-5-5-5
3561-3570	3-5-6-6-6-5-7-4-5-3
3571-3580	3-2-2-2-2-2-3-4-3-2
3581-3590	4-4-4-4-6-2-3-3-5-4
3591-3600	4-4-4-4-4-3-4-3-4-4

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CONSULTATION DIVISION
KANSAS CITY, KANSAS

CONFIDENTIAL

DRILLING TIMES: (Cont.)

3601-3610	3-3-3-3-2-3-2-3-4-6
3611-3620	5-5-6-5-6-5-6-5-5-5
3621-3630	6-6-6-5-5-6-7-6-6-4
3631-3640	5-5-5-6-6-5-4-3-5-5
3641-3650	5-4-5-5-4-4-4-4-5-4
3651-3660	3-3-5-3-4-2-3-2-2-2
3661-3670	2-2-4-4-4-4-2-3-3-2
3671-3680	3-3-2-4-5-5-6-5-6-5
3681-3690	5-5-4-4-6-5-5-5-5-5
3691-3700	5-6-6-4-4-6-4-4-6-4
3701-3710	3-3-3-4-4-4-2-2-1-2
3711-3720	2-4-4-3-3-3-2-4-3-4
3721-3730	4-5-3-3-2-1-3-3-3-2
3731-3740	3-3-3-5-5-3-3-4-4-4
3741-3750	3-3-3-3-4-1-1-2-2-2
3751-3760	2-2-3-2-2-2-2-3-3-3
3761-3770	3-4-3-3-4-4-4-3-4-2
3771-3780	3-3-3-2-3-2-2-2-1-1-RTD

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APR 30 1991

CO. 15-185-22752-0000
V. 15-185-22752-0000



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET NO. 125413-2

15-185-22752-0000

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 1-33 SPANZENBERG		COUNTY STAFFORD	STATE KS	CITY / OFFSHORE LOCATION	DATE 3-27-91
CHARGE TO JADDIE OIL CO INC		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 PO BOX 1585		CONTRACTOR WET DRIG	LOCATION 1 61350DKS		CODE 25520
CITY, STATE, ZIP 61350DKS 67530		SHIPPED VIA 2924	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. 1518522752	DELIVERED TO Wellsite	LOCATION 3	
TYPE AND PURPOSE OF JOB DIO		B-917973	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	20	m.			235	4700
000-118		1		MILEAGE SURCHG	20	m.			.40	800
001-016		1		Pumps (WARGE)	315	WT			480	48000
030-503		1		Phyg (WOOD)	1	EA		1578	10.00	1000

NOT THIS IS AN INVOICE

RECEIVED
STATE CORPORATION COMMISSION
APR 30 1991
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-917973

1563 40

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Pat Wheeler
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Pat Wheeler
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

SUB TOTAL 2158 40

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

CUSTOMER



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

FOR INVOICE AND
TICKET NO. 125413

15-185-22752-0000

DATE 3-27-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Spangenburg 1-33	COUNTY Stafford	STATE Ks.
CHARGE TO Jandie Oil Co Inc		OWNER Jandie Oil	CONTRACTOR Woodman & Iannitti	No. B 917973
MAILING ADDRESS P.O. Box 1585		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY S.C. Henry
CITY & STATE GREAT BEND KS 67530		DELIVERED TO Location	TRUCK NO. 0977-6660	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT			
		L	D		QTY.	MEAS.	QTY.	MEAS.					
504-308				225 40%po ₂ mix/60%Cement									
504-308	516.00261	1	B	standard Cement	135	sk			5.35	722.25			
506-105	516.00286	1	B	Pozmix A	90	sk			2.79	251.10			
506-121	516.00259	1	B	4 Halliburton Gel 2% allowed						NC			
509-406	890.50812	1	B	Calcium Chloride 3%w/225	6	sk			26.25	157.50			
500-307		1	B	surcharge	202.17				.10	20.22			
				Returned Mileage Charge									
				TOTAL WEIGHT		LOADED MILES		TON MILES					
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET					
500-207		1	B	SERVICE CHARGE				CU. FEET 237	1.10	260.70			
500-306		1	B	Mileage Charge	20,217	20		202.17	.75	151.63			
				TOTAL WEIGHT		LOADED MILES		TON MILES					
No. B 917973									CARRY FORWARD TO INVOICE		SUB-TOTAL		1563.40

THIS IS NOT AN INVOICE

RECEIVED
STATE CONSERVATION COMMISSION
APR 30 1991
CONSERVATION DIVISION
Wichita, Kansas



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15-195-22752-0000

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 125413

DISTRICT GT BEND KS DATE 3-27-91

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

WELL NO. 1-33 LEASE SDAJGENBERG SEC. 33 TWP. 22 RANGE 12W FIELD COUNTY STAFFORD STATE KS OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, THICKNESS, FROM, TO, PACKER, SET AT, TOTAL DEPTH, MUD WEIGHT, BORE HOLE, INITIAL PROD, PRESENT PROD, NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., PERFORATIONS, SHOTS/FT.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

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...
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
d) That Halliburton warrants only title to the products, supplies and materials...
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments...
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...
g) That this contract shall be governed by the law of the state where services are performed...
h) That Halliburton shall not be bound by any changes or modifications in this contract...

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

SIGNED [Signature] CUSTOMER

DATE 3-27-91

TIME 1:00 P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKTA CITY
61 BEND KS

15-185-22752-0000

BILLED ON TICKET NO. 125413

CUSTOMER
LEASE
WELL NO.
JOB TYPE
DATE

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY _____ STATE _____

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	W4	23	878	KB	316	
LINER						
TUBING						
OPEN HOLE				316	17	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 3-27	DATE 3-27	DATE 3-27	DATE 3-27
TIME 1230	TIME 1400	TIME 1646	TIME 1740

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
74221 mcduff	29248	25520
77501 GUTSWINE	4WJ	
13005 FORK	0771 Bulk	"

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	1	Howco
HEAD	1	"
PACKER		
OTHER		

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 Cmt

DESCRIPTION OF JOB 8785 SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Rich Wheeler

HALLIBURTON OPERATOR Cm

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	125	P02	41/60	B	3700	1.26	14.15

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. <u>19.58</u>	
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____	CEMENT SLURRY: BBL-GAL. <u>5049</u>	
HYDRAULIC HORSEPOWER _____	TOTAL VOLUME: BBL-GAL. _____	
ORDERED _____ AVAILABLE _____ USED _____	AVERAGE RATES IN BPM _____	REMARKS _____
TREATING _____ DISPL. _____ OVERALL _____	CEMENT LEFT IN PIPE _____	
FEET _____ REASON _____		

RECEIVED STATE CORPORATION COMMISSION

APR 30 1991

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION

15-185-22752-0000

FOR INVOICE AND
TICKET NO. 125535

ORIGINAL

DATE 4-4-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Spangenberg 1-33	COUNTY Stafford	STATE Ks.
CHARGE TO Jandie Oil		OWNER Same	CONTRACTOR Woodman & Iannitti	No. B 917995
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 25520	PREPARED BY J.M. Sheets
CITY & STATE		DELIVERED TO Location	TRUCK NO. 3046-6608	RECEIVED BY Glen Byerly

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				175 40% Pozmix 60% Cement 6% Gel							
504-308	516.00261	1	b	Standard Cement	105	sk			5.35	561.75	
506-105	516.00286	1	b	Pozmix A	70	sk			2.79	195.30	
506-121	516.00259	1	b	3 Halliburton Gel 2% allowed						NC	
507-277	516.00259	1	b	6 Halliburton Gel 4% added	6	sk			13.75	82.50	
<p>THIS IS NOT AN INVOICE</p> <p>RECEIVED STATE CORPORATION COMMISSION APR 30 1991 CONSERVATION DIVISION Wichita, Kansas</p>											
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207		1	b	SERVICE CHARGE			CU. FEET 187	1.15		215.05	
500-306		1	b	Mileage Charge 15,953	TOTAL WEIGHT 15,953	LOADED MILES 20	TON MILES 159.53	.80		127.62	
No. B 917995		CARRY FORWARD TO INVOICE						SUB-TOTAL			1182.22

DISTRICT Great Bend DATE 4-4-91

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

WELL NO. #1-33 LEASE Spongenburg SEC. 33 TWP. 22 RANGE 12
FIELD _____ COUNTY STEFFORD STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING				<u>8 5/8</u>	<u>KB</u>	<u>315'</u>	
LINER							
TUBING				<u>4 1/2</u>	<u>KB</u>	<u>3730</u>	
OPEN HOLE					<u>315'</u>	<u>3780'</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
PTA with 175 SKS 40/60 Poz 67.6EL
50 SKS at 3730' 10 SKS 40'
50 SKS at 650' 15 SKS Rathole
40 SKS at 315' 10 SKS Waterwell

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

RECEIVED STATE CORPORATION COMMISSION

SIGNED Bob Wheeler CUSTOMER

DATE 4-4-91

TIME 01:00 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

APR 30 1991 CONSERVATION COMMISSION CUSTOMER Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

OKLAHOMA CITY
Great Bend

15-185-22752-0000

BILLED ON TICKET NO. 125535

CUSTOMER

Indur Oil Co

LEASE Spurgeburg

WELL NO. 1-33

JOB TYPE

PTA

DATE

4-4-91

WELL DATA

FIELD _____ SEC. 33 TWP. 22 RNG. 12 COUNTY STAFFORD 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			8 3/8"	KB	315'	
LINER						
TUBING			4 1/2 X	0	3780	
OPEN HOLE			7 7/8"	315'	3780	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
4-3-91	4-1-91	4-4-91	4-4-91
DATE	DATE	DATE	DATE
TIME 10:30	TIME 00:30	TIME 13:30	TIME 06:30

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G Byrd	85826	51797
W Wilson	89377	Comb
	3046	
T Sheets	67184	Bulk
		"

TOOLS AND ACCESSORIES

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

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. _____

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB PTA

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE Rich Wheeler

HALLIBURTON OPERATOR Don Byrd COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	175	40/60	P02	B	62 Gal	1.53	13.40

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. 47.7

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ STATE CORPORATION COMMISSION REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

APR 30 1991

CONSERVATION DIVISION
Wichita, Kansas

JOB LOG

WELL NO. 1-33 LEASE Spangenberg TICKET NO. 125535
 CUSTOMER Jaudie 0,100 PAGE NO. 1
 JOB TYPE P.T.A. 15-185-22752-0000 DATE 4-4-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								ORIGINAL ON Location
01 ²⁵	0125		13.6					Mix 1st Plug 50sk5
01 ³⁰	0130		49.4					Spot at 3'30'
	0130	5	13.6					Mix 2nd Plug 50sk5
	0135	5	5.7					Spot at 650'
	0445	5	10.9					Mix 3rd Plug 40sk5
	0450	5	1.6					Spot at 315'
	0515		2.7					Plug Top 40' 10sk5
	0525		4.0					Plug Rat hole 15sk5
	0530		2.7					Plug waterwell 10sk5
	0540							Wash up
	0630							Job Complete
								Thanks
								Glen, Wayne, John

RECEIVED
STATE CORPORATION COMMISSION

APR 30 1991

CONSERVATION DIVISION
Wichita, Kansas