

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 # 5414

Name: J. MARK RICHARDSON

Address 155 N. MARKET SUITE 840

WICHITA, KS. 67202

City/State/Zip _____

Purchaser: KANSAS GAS SUPPLY

Operator Contact Person: CARL SCHIELD

Phone (316) 262-3192

Contractor: Name: GABBERT JONES, INC.

License: 5842

Wellsite Geologist: J. MARK RICHARDSON

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

11/24/89 12/5/89 10/12/90

Spud Date Date Reached TD Completion Date

API NO. 15- 097-21,283-0000

County KIOWA

C NE SE Sec. 8 Twp. 29S Rge. 20W East West

1980 Ft. North from Southeast Corner of Section

660 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

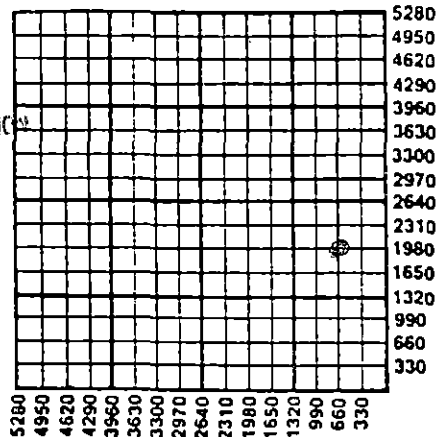
Lease Name NEIER A Well # 1

Field Name WESTLAND

Producing Formation MISSISSIPPI

Elevation: Ground 2389 KB 2395

Total Depth 5150 PBTD 5139



Amount of Surface Pipe Set and Cemented at 611 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.

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OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

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 OPERATOR Date 9/10/91

Subscribed and sworn to before me this 10TH day of SEPTEMBER, 19 91.

Notary Public [Signature]
KIM SANTELLAN
Date Commission Expires _____

KIM SANTELLAN
State of Kansas
My Appt. Exp. 2-22-92

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)

ORIGINA

SIDE TWO

Operator Name J. MARK RICHARDSON Lease Name NEIER A Well # 1

Sec. 8 Twp. 29S Rge. 20W East West County KIOWA

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.)

DST#1 4810-4990, Rec 15ft. mud, P.S.I. 113
DST#2 5085-5095 gas to the surface-instant
gauge-6,800,000-30 min, 60 min, Rec.
10ft of watery mud. flow press. 923/944,
IP.S.I. 1456. F.S.P. 1404

Formation Description

Log Sample

Name	Top	Bottom
LANSING	4460-2065	
MISS DOLOMITE	5080-2685	

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 1/2	8 5/8	20.	611	60/40 POS	300	3%GEL2%CC
PRODUCTION	7 7/8	4 1/2	10.5	5149	60/40 POS	275	10 GEL

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5102-04	500g. 15% acid, max press 350	5102-04
4	5088-5096	500 gal acid mud 15% acid 1500 gal heated 15% acid	5088-5096

TUBING RECORD Size 2 3/8 Set At 5120 Packer At N/A Liner Run Yes No

Date of First Production 6/18/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		2,341,000	CFGPD		

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

INVOICE

*Development
All Investors*



HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
816142	12/05/1989

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
IER 1	KIOWA	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
ATT	GABBERT & JONES	CEMENT PRODUCTION CASING	12/05/1989		
CCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
7577	CARL SCHIELD			COMPANY TRUCK	86869

J MARK RICHARDSON
840 MARKET CENTRE
155 NORTH MARKET
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	CASING AREA - MID CONTINENT				
00-117	MILEAGE	46	MI	2.20	101.20
		1	UNT		
01-016	CEMENTING CASING	5150	FT	1,185.00	1,185.00
		1	UNT		
10-016	CEMENTING PLUG 5W ALUM TOP	4	1/2 IN	31.00	31.00
		1	EA		
18-315	MUD FLUSH	500	GAL	.45	225.00
09-968	SALT FOR PREFLUSH	400	LB	.052	20.80
90-167	TEMPERATURE SURVEY	1	RUN	350.00	350.00
04-308	STANDARD CEMENT	165	SK	5.35	882.75
06-105	POZMIX A	110	SK	2.79	306.90
06-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C
09-968	SALT BLENDED 10%	1300	LB	.052	67.60
00-207	BULK SERVICE CHARGE	294	CFT	.95	279.30
00-306	MILEAGE CMTG MAT DEL OR RETURN	584.73	TMI	.70	409.31
INVOICE SUBTOTAL					3,858.86
DISCOUNT - (BID)					810.32
INVOICE BID AMOUNT					3,048.54
*- KANSAS STATE SALES TAX					64.10
*- PRATT COUNTY SALES TAX					15.07
<p>RECEIVED STATE COMMISSION COMMISSION OCT 09 1991 CONSERVATION DIVISION Wichita, Kansas</p> <p><i>117 03675 816142</i> <i>12-5-89</i> <i>25-07</i> <i>06-6500 3127.71</i> <i>3127.71</i></p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,127.71

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 EXCEEDING 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO COLLECT ON SAID ACCOUNT CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND



INVOICE

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
851634	11/24/1989

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
NEIR 1		KIOWA		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PRATT		GABBERT & JONES #9		CEMENT SURFACE CASING		11/24/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
737577	CARL SCHIELD			COMPANY TRUCK	86280	

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840 MARKET CENTRE
155 NORTH MARKET
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DIRECT CORRESPONDENCE TO:
SUITE 600
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WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	46	MI	2.20	101.20
		1	UNT		
001-016	CEMENTING CASING	619	FT	522.60	522.60
		1	UNT		
030-503	WOODEN PLUG	8	5/8 IN	58.00	58.00
		1	EA		
504-308	STANDARD CEMENT	210	SK	5.35	1,123.50
506 105	POZMIX A	140	SK	2.79	390.60
506 121	HALLIBURTON-GEL 2%	6	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	25.75	231.75
500-207	BULK SERVICE CHARGE	368	CFT	.95	349.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	722.71	TMI	.70	505.90
INVOICE SUBTOTAL					3,283.15
DISCOUNT-(BID)					656.63
INVOICE BID AMOUNT					2,626.52
*-KANSAS STATE SALES TAX					88.45
*-PRATT COUNTY SALES TAX					20.81
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,735.78

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Wichita, Kansas

11-168 03675 851034
11 24 89
315 - 6500 2735 78
03

2735 78

NEIER #1
C NE SE
SEC. 8-29S-20W
KIOWA COUNTY, KANSAS

GABBERT-JONES, INC.
DRILLERS WELL LOG

COMMENCED: 11-24-89
COMPLETED: 12-5-89
OPERATOR: J. MARK RICHARDSON

R-11

Depth		Formation	Remarks
From	To		
0	350	Clay - Sand	Ran 14 jts of 20# 8 5/8" csg LD @ 611' w/350 sks 60/40 Posmix - 3% Gel - 2% CC PD @ 10:15 PM 11-24-89
350	616	Sand - Clay	
616	1325	Redbed	
1325	2170	Redbed - Anhy	Ran 148 jts of 10 1/2# 4 1/2" csg set @ 5150' w/275 sks 60/40 Posmix - 10% Gel PD @ 4:15 AM 12-5-89 RR @ 5:15 AM 12-5-89.
2170	2540	Lime - Shale	
2540	3000	Shale - Lime	
3000	3190	Lime - Shale	
3190	3655	Shale - Lime	
3655	3869	Lime - Shale	
3869	4261	Lime	
4261	4461	Lime - Shale	
4461	4765	Lime	
4765	4855	Lime - Shale	
4855	5150	Lime - Chert	
5150 TD			

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STATE CORPORATION COMMISSION

OCT 09 1991

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS
COUNTY OF SEDGWICK

) I, the undersigned, being duly sworn on oath,
) state that the above Drillers' Well Log is true
) and correct to the best of my knowledge and
Belief and according to the records of this office.

GABBERT-JONES, INC.

[Signature]
James S. Sutton -- President

Subscribed & sworn to before me this
12th day of December 1989

[Signature]
Lola Lenore Costa

My commission expires Nov. 21, 1992

LOLA LENORE COSTA
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 11/21/92