

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

API NO. 15- 155-213760000 ORIGINAL

County Reno
APPR SW - NE - NE - SE Sec. 30 Twp. 23S Rge. 10 X E

2060 Feet from (S) Line of Section
430 Feet from (E) Line of Section

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

Lease Name OPAL Well # 1

Field Name Zenith-Peace Creek

Producing Formation VIOLA

Elevation: Ground 1796' 5' KB 1801'

Total Depth 3900 PBDT

Amount of Surface Pipe Set and Cemented at 265 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/ KCC ax cnt.

Drilling Fluid Management Plan ALT 1 92 MAY 1-16 1997
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume 320 bbls

Dewatering method used hauling

Location of fluid disposal if hauled offsite: 5-15-96
MAY 15 1996

Operator Name Gee Oil Service

Lease Name Rogers #1 CONSERVATION DIVISION License No. 03248 WICHITA, KS

Quarter 14 Sec. 14 Twp. 21S S Rng. 13W E/W

County Stafford Docket No. 23350

Operator: License # 9324

Name: JFW, INC.

Address 1014 N. Huntsville Rd

Plevna, KS 67568

City/State/Zip _____

Purchaser: NCRA

Operator Contact Person: Elsie L. McNemee

Phone (316) 286-5318

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: James Musgrove

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

X Oil _____ SWD _____ SIGW _____ Temp. Abd. _____

_____ Gas _____ EHRH _____ SIGW _____

_____ Dry _____ Other (Core, WSM, Expl., Cathodic, etc) _____

If Workover/Re-Entry: old well info as follows:

Operator: N/A RELEASED

Well Name: _____ JUL 31 1997

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBDT

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

1/15/96 1/22/96 2/29/96

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

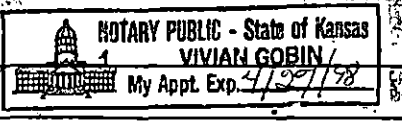
Signature Elsie L. McNemee

Title President Date 5/11/96

Subscribed and sworn to before me this _____ day of _____ 19 _____

Notary Public Vivian Gobin

Date Commission Expires Apr 27, 98



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC _____ SUD/Rep _____ NGPA
 KGS _____ Plug _____ Other
(Specify)

CONFIDENTIAL

Operator Name JFW, INC.

Lease Name OPAL

Well # 1

Sec. 30 Twp. 23 Rge. 10

East
 West

County Reno

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.)

List All E.Logs Run: attached

Log Formation (Top), Depth and Datum Sample

Name Top Datum

attached

dual induction
neutron density

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"	20#	265'	60/40poz	200	2%gel 3%cc
production	7-7/8"	5-1/2"	15#	3893'	50/50poz	135	salt 400# HALAD-322 GILSONITE

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	3700-3716 33365	800 gal DSFe acid 3700
		frac 150 sx 20.40 150sx 12.20 3700
		20,000 gal.gelled H ₂ O

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8	375222222		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. about 2/10, 1996 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	15	8	26		

Disposition of Gas:

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify)

Production Interval

3700'-3716'

<u>Formation</u>	<u>Log Depth</u>	<u>Sub Sea Datum</u>
Howard	2686	-885
Severy	2747	-946
Topeka	2799	-998
Heebner	3107	-1306
Toronto	3125	-1324
Douglas	3139	-1338
Brown Lime	3257	-1456
Lansing	3291	-1490
Base Kansas City	3586	-1785
Viola	3672	-1871
Simpson Shale	3762	-1961
Simpson Sand	3769	-1968
Arbuckle	3834	-2033
Rotary Total Depth	3900	-2099
Log Total Depth	3902	-2101

(All tops and zones corrected to electric log measurements)

Drill Stem Test #1 - 3630-3697'

Times: 30-45-60-60

Blow: Strong, gas to surface one (1) minute into final shut in, too small to measure.

Recovery: 50' watery mud

Pressures:	ISIP	175	psi
	FSIP	200	psi
	IFP	57-59	psi
	FFP	59-59	psi
	HSH	1821-1778	psi

Drill Stem Test #2 - 3697-3726'

Times: 45-45-60-60

Blow: Strong, gas to surface five (5) minutes into 2nd opening.

Gas gauged as follows:

5 minutes	GTS
10 minutes	6,100 c.f.g.p.d.
20 minutes	6,930 c.f.g.p.d.
30 minutes	6,930 c.f.g.p.d.
40 minutes	6,390 c.f.g.p.d.
50 minutes	6,720 c.f.g.p.d.
60 minutes	6,550 c.f.g.p.d.

Recovery: 62' gas cut mud, few oil specks

Pressure:	ISIP	756	psi
	FSIP	705	psi
	FFP	25-28	psi
	FFP	30-32	psi
	HSH	1799-1789	psi

ORIGINAL

INVOICE

CONFIDENTIAL HALLIBURTON ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
906978	01/15/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
AL 1	RENO	KS	J F W INC
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
ATT	ALLEN DRILLING	CEMENT SURFACE CASING	01/15/1996
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
0809	MIKE KERN		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	02314

J F W INC
RURAL ROUTE 1, BOX 26
PLEVNA, KS 67568

DIRECT CORRESPONDENCE TO:
P O BOX 428
HAYS KS 67601
913-625-3431

REC
MAY 13
CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
	ICEING AREA - MID CONTINENT				
00-117	MILEAGE CEMENTING ROUND TRIP	60	MI		
		1	UNT		
01-016	CEMENTING CASING	265	FT		
		1	UNT		
30-503	WOODEN PLUG	8	5/8 IN		
		1	EA		
04-136	CEMENT - 40/60 POZMIX STANDARD	200	SK		
09-406	ANHYDROUS CALCIUM CHLORIDE	5	SK		
00-207	BULK SERVICE CHARGE	210	CFT		
00-306	MILEAGE CMTG MAT DEL OR RETURN	261.810	TMI		

RELEASED
MAY 31 1997

FROM CONFIDENTIAL

INVOICE SUBTOTAL

DISCOUNT- (BID)
INVOICE BID AMOUNT

*- KANSAS STATE SALES TAX
*- PRATT COUNTY SALES TAX

PC #1

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 15 1996

CONSERVATION DIVISION
WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. E

ORIGINAL

INVOICE



HALLIBURTON ORIGINAL

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

CONFIDENTIAL

INVOICE NO.	DATE
906982	01/23/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
PAL 1	RENO	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
RATT	ALLEN DRILLING	CEMENT PRODUCTION CASING	01/23/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
30809	J C MUSGROVE		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	02680

DIRECT CORRESPONDENCE TO:

J F W INC
RURAL ROUTE 1, BOX 26
PLEVNA, KS 67568

P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	60	MI		
		1	UNT		
001-016	CEMENTING CASING	3892	FT		
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5	1/2 IN		
		1	EA		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA		
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA		
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA		
815.19313					
40	CENTRALIZER-5-1/2 X 7-7/8	5	EA		
806.60022					
320	BASKET-CMT-5 1/2 CSG X 17"OD-	1	EA		
806.71430					
001-018	CEMENTING CASING - ADD HRS	2	HR		
		1	UNT		
504-130	CEMENT - 50/50 POZMIX STANDARD	150	SK		
508-291	GILSONITE BULK	900	LB		
509-968	SALT	1382	LB		
507-775	HALAD-322	73	LB		
509-968	SALT	400	LB		
500-207	BULK SERVICE CHARGE	196	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	225.720	TMI		

KCC
MAY 13
CONFIDENTIAL

RELEASED
JUL 31 1997
FROM CONFIDENTIAL

INVOICE SUBTOTAL

DISCOUNT-(BID)
INVOICE BID AMOUNT

Handwritten signature/initials

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

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on the date payable until paid at the highest banked contract rate applicable but not