STATE CORPORATION COMMISSION OF KANSAS	API No. 15- 135-23,423 • 0000			
OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM	County	Ness		
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	S/2 SW	NW Sec. 10 Twp.	19S Rge. 26 X West	
Operator: License # 5565	2970	Ft. North from	n Southeast Corner of Section	
Name: National Cooperative Refinery Ass				
Address _6000 W. 10th	1 1	(MOIE: LOCATE	wett in section plat below.)	
	Lease Name		Well # <u>l</u>	
City/State/Zip Great Bend, KS 67530	Field Name	Wildcat		
Purchaser: N/A		mation D.& A		
Operator Contact Person: Morris Bell	Elevation: G	Fround <u>2602</u>	кв <u>2607′</u>	
Phone (303) 861-4883	Total Depth _	4610	PBTD	
Contractor: Name: Allen Drilling Company	ļ F		5280 4950	
License: 5418			4620	
Wellsite Geologist: Jack Searle	4-5-90		3960 3630	
nettsite deologist: Saor Bearie	3 70		3300 \\2970 \\2640 \\\	
Designate Type of Completion X New Well Re-Entry Workover	1990		2310	
OilSWDTemp. Abd.	S Constitution of the Cons		1650 1	
X Dry Other (Core, Water Supply, etc.)	O No.		990	
Designate Type of Completion X New Well Re-Entry Workover Oil SWD Temp. Abd. Gas Inj Delayed Comp. X Dry Other (Core, Water Supply, etc.) If OWNO: old well info as follows: Operator: N/A	AFP ONSE	3388888888888	330 8888 Alt-II 1254	
Operator: N/A]	2310 2310 3360 3360 3360 3360 3360 2870 2870 2870 2870 2870 2870 2870 287		
Well Name:	Ì	•	ented at <u>357</u> Feet	
comp. bate otd fotat beptil			ed? Yes No	
Drilling Method: Air Rotary Cable			Fee't	
	If Alternate	II completion, cement	circulated from	
Spud Date Date Reached TD Completion Date	feet depth to	D W/	sx cmt.	
INSTRUCTIONS: This form shall be completed in triplicate and Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will I writing and submitted with the form. See rule 82-3-wireline logs and drillers time log shall be attached with form with all plugged wells. Submit CP-111 form with a conversion of a well requires filing of ACO-2 within 120 days	of the spud da be held confide 107 for confide this form. ALL ll temporarily	ate of any well. Rulential for a period of entiality in excess of CEMENTING TICKETS MUS abandoned wells. Any	e 82-3-130, 82-3-107 and 12 months if requested in 12 months. One copy of all ST BE ATTACHED. Submit CP-4 recompletion, workover or	
All requirements of the statutes, rules and regulations promul with and the statements herein are complete and correct to the	gated to regula he best of my k	ate the oil and gas indu knowledge.	stry have been fully complied	
Signature Whee Whadke w		1	ICE USE ONLY Confidentiality Attached	
Title District Foreman Date 3	18/90	Wireline Lo	•	
Subscribed and sworn to before me this 874 day of 90	cch.		ribution	
Notary Public Patricia Schult		KCC KGS	SWD/Rep NGPA Plug Other (Specify)	
Data Carrier Francisco		[(abeci13)	

ORIGINAL

Date Commission Expires TARY PUBLIC - State of Kansas
PATRICIA SCHULTZ
My Appt. Exp. 1-29-93

KCC/KC 4-19-90 V

Form ACO-1 (7-89)

SIDE TUO

Operator Name Nati	onal Coope	rative Refineı	ASSOC Name	GAN	TZ	Well #	1
		☐ East	County	Nes	s		
Sec. <u>10</u> Тыр. <u>19</u>	<u> 8 Rge. 26</u>	West					
INSTRUCTIONS: Show interval tested, ti hydrostatic pressure if more space is ne	me tool open a es, bottom hole	end closed, flowing temperature, fluid	and shut-in pres	sures, wheti	her shut-in pre	ssure rea	ched static level,
Drill Stem Tests Tal (Attach Addition		☑ Yes ☐ No			Formation Desc	ription	
Samples Sent to Geo	logical Survey	🛛 Yes 🗌 No			🛛 Log 🗌	Sample	
Cores Taken		🗌 Yes 🛛 No	Name		Тор	Bott	оп
Electric Log Run (Submit Copy.)		🛛 Yes 🗌 No					-
		SEE	ATTACHME	NTS			
•							
					<u> </u>		
		CASING RECO	L New L Us				
	Report a	ll strings set-con	ductor, surface, i	ntermediate,	production, et	c.	
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" NEW	24#	<u>3</u> 57'	60/40 Poz	235	2%gel, 3%cc
Shots Per Foot	PERFORATIO	N RECORD ge of Each Interva	l Perforated		Fracture, Shot, d Kind of Mater		weeze Record Depth
5/1002		ge 01 Eddil 711ter va		CAMOUNT OF			
TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	No	
Date of First Produ	uction Produci	ng Method Flowing	g Pumping Ga	s Lift 🗆	Other (Explain)		
Estimated Production Per 24 Hours	on Oil	Bbls. Gas	Mcf Water	Bbls.	Gas-Oil	Ratio	Gravîty
Disposition of Gas:			METHOD OF COMPLETI	CM			Production Interval
Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled							
(If vented, so	ubmit ACO-18.)		ner (Specify)				·
			· · · · · · · · · · · · · · · · · · ·			_	

ORIGINAL

NCRA
Gantz No. 1
Section 10-T19S-R26W
Ness County, Kansas

WELL DATA SHEET - CONTINUED

ELECTRIC LOGS:

Western Atlas - Great Bend, Kansas

Engineer: Wayne Jenkinson

Compensated Neutron &

Z Densilog with Gamma Ray 3,000'-4,608'

Dual Induction Focused

Log with Gamma Ray 300'-4,608'

DST'S:

DST No. 1 - 4480'-4554' - Cherokee-Mississippi

Western Testing - Great Bend, Kansas

Technician: Ray Schwager

DST No. 2 - 4530'-4559' - Mississippian -

Western Testing - Great Bend, Kansas -

Technician: Ray Schwager

CORES:

None

FORMATION	TOPS:	LOG	NAME	DEPTH	DATUM
			Anhydrite	1874'	(+ 733')
			Heebner	3878'	(-1271')
			Lansing	3922'	(-1315')
			Base of Kansas City	4270'	(-1663')
			Marmaton	4295'	(-1688')
			Pawnee	4382'	(-1775')
			Fort Scott	4438 '	(-1831')
			Cherokee Shale	4460'	(-1853')
•		ian, c	Mississippian	4542'	(-1935')
	13.09	JEWED CHAMICSION	Total Depth	4610'	

STATE CURPOLATION CINMMICESION

NEW 0 2 1990

NEW 0 3 1990

WHITHIRD MANIES ON

NCRA
Gantz No. 1
Section 10-T19S-R26W
Ness County, Kansas

DST NO. 1 - CHEROKEE SAND-MISSISSIPPI CHERT

Interval: 4480'-4554'

TESTING COMPANY: Western Testing

TESTERS NAME: Ray Schwager TYPE OF TEST: Conventional

IO: 5 minutes - opened with 1" blow building to 4".

FO: 30 minutes - opened with 3" blow, building to bottom of bucket in 20 minutes.

FSI: 60 minutes - blow continued throughout shut in period.

PRESSURES:

IHP: 2243

IF: 72-72 in 5 minutes
ISIP: 1257 in 30 minutes
FF: 104-125 in 30 minutes
FSIP: 1101 in 60 minutes

FHP: 2222

BOTTOM HOLE TEMPERATURE: 124° F.

RECOVERY:

Pipe: 100' gas in pipe, 40' oil cut mud, (13% oil, 87% mud). 120' heavy oil and gas cut mud (30% oil, 10% gas, 60% mud). 60' heavy oil and gas cut mud (35% oil, 6% gas, 6% water, 53% mud). Rw = Not enough water.

Sample Chamber: 1400 cc's fluid at 100 PSI. 880 cc's oil, 140 cc's water, 450 cc's mud. Rw = .35 at?

Temp, 13,000 ppm Cl.

Rw pit mud: 2.2 at 60° F, 3,000 ppm Cl.

Rw make up water: N/A

SIN LEGISLAND AND SHORE SERVED IN THE SERVED

NCRA
Gantz No. 1
Section 10-T19S-R26W
Ness County, Kansas

DST NO. 2 - MISSISSIPPIAN - 4530'-4559'

ر الم

TESTING COMPANY: Western Testing

TESTERS NAME: Ray Schwager TYPE OF TEST: Conventional

10: 5 minutes - opened with 1" blow, building to bottom of bucket in 5 minutes.

ISI: 30 minutes - blow continued through shut-in period.

FO: 45 minutes - opened with good blow, built to bottom of bucket in 2 minutes.

FSI: 90 minutes.

PRESSURES:

IHP: 2233

IF: 83-135 in 5 minutes
ISIP: 1309 in 30 minutes
FF: 135-416 in 45 minutes
FSIP: 1298 in 90 minutes

FHP: 2202

BOTTOM HOLE TEMPERATURE: 131° F.

RECOVERY:

Pipe: 60' gas in pipe, 120' oil cut watery

mud (4% oil, 25% water, 71% mud)

.. 780' oil cut water (2% oil, 98% water).

Rw = .36 at 75° F, 13,000 ppm Cl.

Sample Chamber: 2100 cc's fluid at 140 PSI.

20 cc's oil, 2080 cc's water. Rw = .36 at 75° F, 13,000 ppm Cl

Rw pit mud: 2.7 at 60° F, 2,500 ppm C1.

PLATE LES CHELLES AND 1800

15.135.23423.0000

CREDIT COP

O1/26/90

713-895-5821

NET AMOUNT DUE
30 DAYS FROM
DATE OF INVOICE

REMITTO

SERVICES
P.O. BOX 100806
HDUSTON. TX 77212

PAGE: VINVOICE NO.

NCRA

1775 SHERMAN ST. SUITE 300

BJ-TITAN SERVICES COMPANY

DENVER

CO1802031

AUTHORIZED BY

WELL NUMBER : 1

CUSTOMER NUMBER : 02582020

PURCH!!ORDER!REE!NO

GANTZ 14 GREAT BEND 3310 MTA DISTRICT DATE OF JOB TYPE OF SERVICE O1/26/90 LAND PLUG AND ABANDON	LEASE NAME AND NUMBER	STATE CO	DUNTY/PARISH 🗀 🕽	E. MARCINY BEST	L DISTRICT NAME DISTRINO
	GANTZ	14	E TO SE THE		GREAT BEND 3310
O1/26/90 LAND-PLUG AND ABANDONE	JOBILOCATION/FIELD	William I & The	MTA DISTRICT	DATE/OF/JOB	TYPE OF SERVICE
		w.v.	- 2 31 °	01/26/90	LAND-PLUG AND ABANDON

10/6565767	1 - 1 35 m m 4 5	The state of the s
PRODÚCT NÚMBER	QUANTITY	DESCRIPTION UNIT UVM EXTENDED PRICE
10100303	1,00	CEMENTING CASING O TO 300 FT. 375.00
10109009		MILEAGE CHRG. FROM NEAREST BASE OF
10430538	1	8-5/8 DRY HOLE PLUG
10410504	117.00	CLASS "A" CEMENT 5.25 CF
1041501	78.00	DIAMIX F 2.46 CF 191.8
1042014	10.00	사람들은 그는 그들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람
1088008	195.00	MIXING CUSTOMERS MATERIALS PER CUE
10940101		ORAYAGE, PER TON MILE
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	
	·	
	-	
3 44	, "	SUBTOTAL
		OISCOUNT 353032
ACCOUNT.	4.	25000% STATE TAX 00000% COUNTYE TAX 00000% COUNTYE TAX
,		
		STATE COMPANY
		APR 0 5 1990
<u>'</u>		المراقبة
		CONSERVATION Wirhitz, Kansas
TAX EXEMPTION STAT	TUS:	PAY THIS AMOUNT
		6 - 5 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -

CREDIT COPY

BJ-TITAN SERVICES COMPANY

15.135.23423.0000

ZINVOICE DATE: 01/18/90

			[
i	DIRECT BULLING INQUIRIES TO:	TERMS - TERMS	REMIT(TO: ALL TOWNS
	713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	BJ-TITAN SERVICES P.O. BOX 100806 HOUSTON, TX 77212

PAGE I WINVOICE NO NZ 088

AUTHORIZED BY

510017

1775 SHERMAN ST., SUITE 300

DENVER

CO 80203

PURCH: ORDER REFINO.

WELL NUMBER : 1

CUSTOMER NUMBER : 02582020

LEASE/NAME AND NUMBER	STATE	,coı	UNTY/PARISH	3	/ CITY	DISTRICT NAME	J. JDISTRINOM
GANTZ	14	-				GREAT BEND	3310
JOB LOCATION/FIELD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	y Fatan 'ari	િ≒⊩ iMTA≀DIS	TRICT(ADATE OF JOB	TYPE(OF'S	SERVICE: 4
,				•	01/18/90	LAND-CONDUCT	OR/SURFACE

•						***
Ĭ	PRODÚCT NÚMBER	QÜANTITY	DESCRIPTION	UNIT PRICE	ψ/ Μ	EXTENDED PRICE
	10100305	1.00	CEMENTING CASING 300 TO 1500 FT.	375.00	, ,	375.00
	10100310	59.00	PLUS PER FOOT BELOW 300 FT.	0-42	!	2478
	10109005	38.00	MILEAGE CHRG. FROM NEAREST BASE OF	1-10		41.30
	10410504	141.00	CLASS "A" CEMENT	5 2.5 '	C.F	740-25
	10415018	94.00	DIAMIX F	2•46	CF	231-24
	10420145	4.04	BJ-TITAN GEL+ BENTONITE+ BULK SALES	6.75	CW	27.27
	10415049	606.00	A-7-P CALCIUM CHLORIDE PELLETS	0.33	, LB	199.98
1	10431036	1.00	8-5/8" TOP WOOD PLUG	50.00	EA	50.00
ŀ	10940101	197.50	DRAYAGE, PER TON MILE	0.70	1 4 d	138.32
	10880085	235.00	MIXING CUSTOMERS MATERIALS. PER CUB	0.95	1	223.25
	10409600	1.00	8 5/8 INSERT	246.00	GL	246.00
	10409600	3.00	CENT	57.75	GL	173.25
			ن. د		,	
	č.	-		,	:	
	٢					
				SUBTOTAL DISCOUNT	,	29471914
	'' 'ACCOUNT			513C0041	,	557.91
•	e AOOONA	— 4 . ,	25000% STATE TAX	1291.4 1291.4	0	54-89
1			Part Collins and Marie	127104	ru) i	1,510,311
l		•	STATE CONT. 1990		•	
ļ		,	. on P 9	,	· ·	ξ, " "
	4	,	4 1 2 3 77		'n	·
-			33.	÷		<u> </u>
	TAX EXEMPTION STA	TUS:	PAY THIS AMOUNT		-	1,981,03