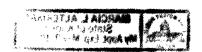
API NO. 15- 147-20,512-00-00

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM	County Phillips
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	Eas SE_SW_NESec16_Twp4S_Rge19x_Wes
Operator: License # <u>· 5923</u>	Ft. North from Southeast Corner of Sectio
Name: American Petroleum Co., Inc.	Ft. West from Southeast Corner of Section
Address 3500 N. Rock Rd., Bldg. #1300	(NOTE: Locate well in section plat below.
	Lease Name Morgan Well # 2
City/State/Zip Wichita, KS 67226	Field Name WOLF CREEK
Purchaser: TEXACO	Producing FormationLANSING-KC
Operator Contact Person: James T. Barvais	Elevation: Ground2055', KB2060'
	Total Depth 3516' PBTD
Phone (316) -636-5273 Contractor: Name: Emphasis Oil Operations	5280
CONTRACTOR: Mame: Emphasis Off Operations	4620 4290
License: 8241 Wellsite Geologist: Ron Nelson	3960 3630
Jellsite Geologist: Ron Nelson	04-1999
Designate Type of Completion New Well Re-Entry Workover	2640 2310
	I I I I I I I I I I I I I I I I I I I
Oil SWD Temp. Abd Gas Inj Delayed Comp Other (Core, Water Supply, etc.)	1320 990 660
If OWMO : old well info as follows: Operator:	255 685 685 685 685 685 685 685 6
Well Name:	Amount of Surface Pipe Set and Cemented at 226 Fee
Comp. Date Old Total Depth	Multiple Stage Cementing Collar Used? Yes _x _ N
Orilling Method: X_ Mud Rotary Air Rotary Cable	If yes, show depth set Fee
8/16/89 8/20/89 9-14-89	If Alternate II completion, cement circulated from 1595
Spud Date Date Reached TD Completion Date	feet depth to SURFACE w/ 650 sx cmt
Derby Building, Wichita, Kansas 67202, within 120 days 82-3-106 apply. Information on side two of this form will writing and submitted with the form. See rule 82-3-wireline logs and drillers time log shall be attached with	nd filed with the Kansas Corporation Commission, 200 Colorado of the spud date of any well. Rule 82-3-130, 82-3-107 and be held confidential for a period of 12 months if requested in 107 for confidentiality in excess of 12 months. One copy of all this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 ll temporarily abandoned wells. Any recompletion, workover or ys from commencement date of such work.
All requirements of the statutes, rules and regulations promule with and the statements herein are complete and correct to the statements herein are complete and correct to the statements herein are complete and correct to the statement of the	gated to regulate the oil and gas industry have been fully complied the best of my knowledge.
Signature JAMES T. BARVAIS	K.C.C. OFFICE USE ONLY
	-30-89 Letter of Confidentiality Attached Wireline Log Received
Subscribed and sworn to before me this 30TH day of NOVE	MBER Drillers Timelog Received
19 <u>89</u> .	Distribution KCC SWD/RepNGPA
Jotary Public Julia J. Claran	KGS Plug Other (Specify)
Date Commission Expires (1) (4)	
MARCIA L ALTERMAN	Form ACO-1 (7-89)
State of Kansas 1. My Appt. Exp. May 3, 1970	λ 0

SIDE TWO

Sec. 16 Twp. 4S Rge. INSTRUCTIONS: Show import interval tested, time tool hydrostatic pressures, bott	19	East						THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN CO
INSTRUCTIONS: Show importinterval tested, time tool	<u> 19</u> [3			County	Philli	ips		
interval tested, time tool		West	•					
if more space is needed.	l open and tom hole te	d closed, emperature	flowing e, fluid re	and shut-in pres	ssures whet	her shut-in nre	Section	stem tests giving ched static level, Attach extra sheet
Drill Stem Tests Taken (Attach Additional Sheet	ts.)	Yes	No No			Formation Desc	ription	
Samples Sent to Geological	Survey	Yes	No				Sample	
Cores Taken		Yes	X No	Name		Тор	Bott	om
Electric Log Run (Submit Copy.)		Yes	□ No	ANHYDR TOPEKA HEEBNE TORONT LANSIN BASE K	R O IG-KC	1584' 3016' 3216' 3242' 3260' 3478' 3515'		
		strings :		New Usetor, surface, in	sed nt ermediate,	USED production, etc	c .	
1 -	Hole illed		asing n O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE 12	1/4''	8 5/8"		20#	226'	POZMIX & STANDARD	140	2% GEL -3% CC.
PRODUCTION 7	7/8''	5 1/2"		14#	3513 '	STANDARD	120	10% SALT ε
	FORATION I		Interval P	erforated	Acid, I (Amount and		Cement Sq	5% CAL SEAL ueeze Record Depth
2 (2 HOLES) 3432' 2 (7 HOLES) 3354' 1 (1 HOLE) 3341' 1 (7 HOLES) 2296' 2 (5 HOLES) 3260' 2 (5 HOLES) 3242'	- 3357 - 3318 - 3300 - 3262)			250 15 15% NO 350 GAL WITH 15	% MUD ACID N-E ACID. LONS 15% MU OO GALLONS LONS OF 15%	AND 150 D ACID OF 15% MUD AC	TREATED WITH O GALLONS OF AND RETREATED NON-E ACID ID AND RETREAT NON-E ACID
TUBING RECORD Size 2 3/	811	Set At 3446		Packer At NONE	Liner Run	☐ _{Yes} 🛚		
Date of First Production 11-28-89	Producing	Method	Flowing [X Pumping Ga	s Lift \Box 0	other (Explain)		
Estimated Production Per 24 Hours	0il 15	Bbls.	Gas NOI	Mcf Water		Gas-0il 50/50	Ratio	Gravity 37
isposition of Gas:				HOD OF COMPLETION		00,00	Pi	
Vented Sold Use (If vented, submit ACC		ase	Open	Hole Perfor		ually Completed		



EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

15-147-20512-00-00

DRILLERS LOG

OPERATOR: American Petroleum Company, Inc.

3500 North Rock Rd., Bldg. #1300

Wichita, Kansas 67226

Emphasis Oil Operations CONTRACTOR:

Box 506

Russell, KS 67665

LEASE: Morgan

WELL #2

LOCATION: SE SW NE

Section 16-4S-19W

Phillips County, Kansas

LOGGERS TOTAL DEPTH: 3515'

ROTARY TOTAL DEPTH: 3516'

ELEVATION: 2060 K.B.

COMMENCED: 8/16/89

COMPLETED: 8/20/89

CASING: 8-5/8" @ 226' w/140 sks cement 5-1/2" @ 3513' w/1**1**0 sks cement

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil, Sand & Clay	90'	Red Bed		1589'
Shale	710'	Anhydrite		1616'
Dakota & Sand	1002	Red Bed		2000
Red Bed	1114'	Shale		3030 '
Cedar Hills Sand	1308'	Lime & Shale Stks.	(R.T.D.)	3516 '

STATE OF KANSAS

) ss

COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Subscribed and sworn to before me on August 21, 1989.

My commission expires: February 6, 1992.

GLENDA R. TIFFIN NOTARY PUBLIC STATE OF KANSAS MY APPT. EXPIRES 2-6-92

Glenda R. Tiffin, Notary Polylic

ORIGINAL

REMIT TO:

INVOICE NO.

P.O. BOX 951046

DALLAS, TX 75395-1046

COMPANY TRUCK

DATE

81015

INVOICE

ACCT. NO.

HALLIBURTON SERVICES

724180 08/16/1989 WELL LEASE NO /PLANT NAME WELL/PLANT LOCATION WELL/PLANT OWNER STATE IORGAN 2 PHILLIPS KS AMERICAN PETROLEUM CONTRACTOR SERVICE LOCATION JOB PURPOSE TICKET DATE BERLIN EMPHASIS DRLG. #7 CEMENT SURFACE CASING 08/16/1989 CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO. 17800 JACK D. FOX

DIRECT CORRESPONDENCE TO:

AMERICAN PETROLEUM COMPANY 3500 NORTH ROCK ROAD BUILDING 1300 WICHITA, KS 67226

Check No. ___10014

SUITE 600 * COLORADO DERBY BUILDING WICHITA, KS 67202-0000

	Date 8-24	-89			
PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	THE UNIT PRICE THE	AMOUNT
RICING ARE	A - MID CONTINENT				
000-117	MILEAGE	4.3	MI	2.20	94.60
		1	UNT	2.20	74.00
001-016	CEMENTING CASING	206	1	395.00	395.00
		1	UNT	1 ,	333.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	ł	58.00	58.00
		1	EA		
504-308	STANDARD CEMENT	16-4 199984		6.75	567.00
506-105	POZMIX A	56	SK	3.50	196.00
	HALLIBURTON-GEL 2%		SK	.00	N/C
	ANHYDROUS CALCIUM CHLORIDE	4	1	25.75	103.00
	BULK SERVICE CHARGE	148	CFT	.95	140.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	270.69	TMI	.70	189.48
		•			
					· · · · · · · · · · · · · · · · · · ·
	INVOICE SUBTOTAL				1,743.68
	DICCOUNT (DID)				
1	DISCOUNT-(BID) INVOICE BID AMOUNT				348.73-
	INVOICE BID AMOUNI				1,394.95
	*-KANSAS STATE SALES	TAX			40.66
	*-DECATUR COUNTY SALI				9.57
					J.J!
				`	

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ==

\$1,445.18

ORIGINAL

HALLIBURTON SERVICES

VENDOR NO.

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

COMPANY TRUCK

DATE

FILE NO.

81175

INVOICE

SERVICE LOCATION

JIM BARVAIS

CUSTOMER AGENT

MORGAN 2

OBERLIN

ACCT. NO.

017800

.55 INVOICE NO.№ 03%

A Halliburton Company 15-147-20512-00-00 724092 08/20/1989 WELL LEASE NO./PLANT NAME WELL/PLANT LOCATION STATE WELL/PLANT OWNER PHILLIPS AMERICAN PETRO CONTRACTOR JOB PURPOSE TOP OUTSIDE PRODUCTION CASING **EMPHASIS** 08/20/1989

AMERICAN PETROLEUM COMPANY INC 3500 NORTH ROCK ROAD BUILDING 1300 WICHITA, KS 67226

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

CUSTOMER P.O. NUMBER SHIPPED VIA

PRICING AREA - MID CONTINENT 000-117	PRICE REF. NO.	DESCRIPTION	S S QUANTITY	11/2 4	I The same and the		
000-117 MILEAGE CEMENTING CASING 3515 FT 1,001.00 1,001.00 1,001.00 0 30-016 CEMENTING PLUG SW ALUM TOP 51/2 IN 46.00 46.00 * 100.00 10			- COANTITY	U/M	Sign UNIT PRICES 1911	AMOUNT	
O01-016 CEMENTING CASING		1					
O11-016 CEMENTING CASING CEMENTING PLUG SW ALUM TOP CEMENTING PLUG SW ALUM TOP S 1/2 IN	000-117	MILEAGE	43	MI	2.20	94.60	
O30-016 CEMENTING PLUG SW ALUM TOP S 1/2 IN			1	UNT			
O30-016 CEMENTING PLUG SW ALUM TOP S 1/2 IN	001-016	CEMENTING CASING	3515	FT	1,001.00	1,001.00	
018-317 12A 825.205 24A 815.19251 27 815.19311 40 807.93022 320 800.8883 504-308 508-127 508-968 507-775 509-968 507-775 509-968 507-970 509-968 507-207 509-9			15 June 10 1	UNT			
SUPER FLUSH GUIDE SHOE - 5 1/2" 8RD THD. 10	030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2	IN	46.00	46.00	*
SUPLE FILST		B * 5	1: -1 000 1	EA			
825.205 24A 815.19251 27 815.19311 40 607.93022 320 800.8883 504-308 508-127 6AL SEAL 509-968 509-968 507-775 HALAD-322 D-AIR 1, POWDER 509-968 500-207 500-306 BISCOUNT-(BID) INVOICE BID AMOUNT BEA 83.00 80.00 80.0		SUPER FLUSH	10	SK	72.00	720.00	
INSERT FLOAT VALVE - 5 1/2"8RD		GUIDE SHOE - 5 1/2" 8RD THD.	, , , , , , , , 1	EA	104.00	104.00	*
815.19251 7		Gan.	The state of the s				
FILL-UP UNIT 5 1/2"-6 5/8" 815.19311 40 807.93022 320 800.8883 504-308 508-127 509-968 507-970 507-970 509-968 500-207 500-306 FILL-UP UNIT 5 1/2"-6 5/8" FILL-UP UNIT 5 1/2"-6 5/8" CENTRALIZER 5-1/2" MODEL S-4 6 EA 44.00 264.00 * 264.00 * 90.00 * 815.19311 EA 90.00 90.00 * 815.1931 EA 90.00 815.1931 EA 90.00 90.00 * 815.50 EA 90.00 815.67- 77.50 * 187.78 * 805.67- 3,222.72			1	EA	83.00	83.00	*
815.19311 40 807.93022 320 800.8883 504-308 508-127 509-968 507-775 509-968 500-207 500-306 BULK SERVICE CHARGE 500-306 BULK SERVICE CHARGE 500-306 BUSCOUNT-(BID) INVOICE BID AMOUNT SOUND					,		
815.19311 40			1	EA	30.00	30.00	*
807.93022 320 800.8883 504-308 STANDARD CEMENT CAL SEAL SO7-976 507-970 509-968 507-970 509-968 500-207 BULK SERVICE CHARGE 500-306 INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT 1 EA 90.00 90.00 * 810.0	815.19311						
SO SO SO SO SO SO SO SO	40	CENTRALIZER 5-1/2" MODEL S-4	6	EA	44.00	264.00	*
800.8883 504-308 504-308 508-127 CAL SEAL 509-968 507-775 HALAD-322 D-AIR 1, POWDER 509-968 SALT 500-207 BULK SERVICE CHARGE MILEAGE CMTG MAT DEL OR RETURN DISCOUNT-(BID) INVOICE BID AMOUNT SX 6.75 810.00 87.60 87.	807.93022						
800.8883 504-308 504-308 508-127 CAL SEAL 509-968 SALT 507-775 HALAD-322 D-AIR 1, POWDER 509-968 SALT 300-207 BULK SERVICE CHARGE MILEAGE CMTG MAT DEL OR RETURN DISCOUNT-(BID) INVOICE BID AMOUNT SK 6.75 SK 14.60 87.60 *	320	CEMENT BASKET 5 1/2"	1	EA	90.00	90.00	*
CAL SEAL	800.8883					30.00	
CAL SEAL SALT SALT SONG SEAL SONG SEAL SALT SONG SEAL SALT SONG SEAL SALT SONG SEAL SALT SONG SEAL SONG SEAL SALT SONG SEAL SALT SONG SEAL	504-308	STANDARD CEMENT	120	sĸ	6.75	810 00	*
SALT	508-127	CAL SEAL		1			
507-775 507-970 509-968 509-968 500-207 BULK SERVICE CHARGE 500-306 INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT 507-775 BULK SERVICE CHARGE 135 CFT 268.26 TMI 5.50 253.00 * 253.00 * 31 LB 300 LB 135 CFT 268.26 TMI 77.50 * 300 LB 135 CFT 268.26 TMI 4,028.39 805.67- 3,222.72	509-968	SALT	520				
507-970 509-968 500-207 500-306 D-AIR 1, POWDER 500-207 BULK SERVICE CHARGE MILEAGE CMTG MAT DEL OR RETURN INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT SALT 300 LB 0.063 18.90 128.25 * 187.78 * 4,028.39 805.67- 3,222.72	507-775	HALAD-322	46	LB			*
SO9-968 500-207 500-306 SALT BULK SERVICE CHARGE MILEAGE CMTG MAT DEL OR RETURN INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT 300 LB .063 .95 .268.26 TMI .70 4,028.39 805.67- 3,222.72	507-970	D-AIR 1, POWDER	31		ł		
500-207 500-306 BULK SERVICE CHARGE	509-968	SALT	l l				
MILEAGE CMTG MAT DEL OR RETURN INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT 268.26 TMI .70 187.78 * 4,028.39 805.67- 3,222.72	500-207	BULK SERVICE CHARGE	I	l l	i i		*
INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT 805.67- 3,222.72	500-306	MILEAGE CMTG MAT DEL OR RETURN		- 1	10		
DISCOUNT-(BID) INVOICE BID AMOUNT 805.67- 3,222.72						101.10	
DISCOUNT-(BID) INVOICE BID AMOUNT 805.67- 3,222.72							
DISCOUNT-(BID) INVOICE BID AMOUNT 805.67- 3,222.72		INVOICE SUBTOTAL				4 028 39	
INVOICE BID AMOUNT 3,222.72						1,020.03	
INVOICE BID AMOUNT 3,222.72		DISCOUNT-(BID)				805 67-	`
		INVOICE BID AMOUNT		İ			
**** CONTINUED ON NEXT PAGE ****				Ì		-,	
**** CONTINUED ON NEXT PAGE ****							
		**** CONTINUED	N NEXT PAG	**	* * *		

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

INVOICE

017800 JIM BARVAIS

REMIT TO:

P.O. BOX 951046 DALLAS, TX 75395-1046

HALLIBURTON SERVICES 15-147-20512-00-00
A Halliburton Company

INVOICE NO. DATE

COMPANY TRUCK 86346

878627 11/25/198 WELL/PLANT LOCATION STATE WELL/PLANTOWNER MORGAN 2 PHILLIPS KS SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE HAYS SQUEEZE HOLE IN CASING 11/25/1989 O.W.S. ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO.

DIRECT CORRESPONDENCE TO:

AMERICAN PETROLEUM COMPANY INC 3500 NORTH ROCK ROAD BUILDING 1300 WICHITA, KS 67226

SUITE 600" COLORADO DERBY BUILDING WICHITA, KS 67202-0000

, (
PRICE REF, NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING ARE	A - MID CONTINENT				,
(MILEAGE	4.3	MI	2.20	94.60
	126-13				
009-134	CEMENT SQUEEZE	- 4 1000 1 1595	FT	879.00	879.00
009-019		1	UNT		
	SACKED SAND 20/40 & SMALLER	2	SK	7.95	15.90
	ANHYDROUS CALCIUM CHLORIDE	14 11,500 Z	SK	25.75	51.50
1	TEMPERATURE SURVEY	1	RUN	255.00	255.00
009-027	PLUGGING BACK ADD. HR.	3	HR	140.00	420.00
		1	UNT		
504-308	STANDARD CEMENT	7.5	SK	5.45	408.75
504-118	HALLIBURTON LIGHT CEMENT - PREM	275	SK	4.92	1.353.00
500-207	BULK SERVICE CHARGE	350	CFT	.95	332.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	696.708	TMI	.70	487.70
504-118	HALLIBURTON LIGHT CEMENT - PREM	200	SK	4.92	984.00
504-308	STANDARD CEMENT	60	SK	5.45	327.00
506-105	POZMIX A	40	SK	2.88	115.20
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	25.75	154.50
500-207	BULK SERVICE CHARGE	312	CFT	.95	296.40
500-306	MILEAGE CMTG MAT DEL OR RETURN	591.68	TMI	.70	414.18
In a second seco					,
- Company	INVOICE SUBTOTAL				6,589.23
	DISCOUNT-(BID)			,	1,266.84-
i [INVOICE BID AMOUNT				5,322.39
	*-KANSAS STATE SALES				225.68
	*-HAYS CITY SALES TA	X		·	26.58
			ļ		
					4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
† 7	INVOICE TOTAL - PLEASE PAY THI	== TRUUMA c	_===		\$5,574.65
b.					

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 TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO