WELL COMPLETION REPORT AND DICHITA, BRANCH DRILER'S LOG API No. 15 — 113 — 20,797 County Number County Number County Number County Number County McPherson Addess P. O. Box 521, Tulsa, Oklahoma 74102 Well No. 4 D. J. Stuckey Portingial Commentation Brandt Drilling Company County McPherson County McPherson Addess Practingial Contention 825 fast from (N) KK line 270 feet from (E) WW line SE/4 Principal Contention 3-20-81 G-9-81 3600¹ 7510 MW line SE/4 Principal Contention 3-20-81 G-9-81 3600¹ 3541¹ Dict Completed CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole defined Size cosing set Weight Inyth. Setting depth Type comment Socks Type und perseen deditives. Surface Csg 11" 8 5/8" 24 401' 50-50 Poz 125 2% CC, 3#F10 Class H 100 2% CC.125#Gi Production Csg 7 7/8" 5 1/2" 15.5 3599' 50-50 Poz 200 10% salt, 2% Class H 100 10% salt LINER RECORD PERFORATION RECORD Top, 11. Sacks comment Shots per ft. Size 6 type Depth Intervel None Tubing RECORD One 0.42" Jet 14, 16, 18, 23/8" 0D 3374' Packer set of Amount and kind of metaviral used Depth Intervel tracked Depth Intervel tracked Depth Intervel tracked)	\circ			te Geolo	Sta	\bigcap	1		KANSAS
Operator County Number Number County Number Number Number Number County Number County Number County Number County McPherson Cou				s.		NCH	BR	WICHITA,	D	AND	N REPORT		
County Cit	<u>EL SE</u> /4			1				0.797 mber	Nu		113 County		API No. 15 —
ARCO Oil and Gas Company. A Division of Atlantic Richfield Co Address P. O. Box 521, Tulsa, Oklahoma 74102 Well No. 4 D. J. Stuckey Frostage Location 825 test from (N) XX line 270 test from (E) XXX line SE/4 Principal contracters Brandt Drilling Company Spud Date Date Complaved Total Depth 3500! 3-20-81 6-9-81 3600! Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size centes per Weight Ibs/ft. Setting depth Type centent Sacks Type and perent additives in 100,00,100 and for Gas Purchaser Surface Csq 11" 8 5/8" 24 401' 50-50 Poz 125 2% CC, 12%#Gi Production Csg 7 7/8" 5 1/2" 15.5 3599' 50-50 Poz 200 10% salt, 2% Class H 100 10% salt LINER RECORD Top, ft. Bottom, ft. Socks cement Shots per ft. Size & type Depth Interval Size & String depth Tubing RECORD Amount and kind of material used Depth interval treabed Acid, FRACTURE, SHOT, CEMENT SQUEEZE RECORD				- 다	i								perator
No. Lease Name D. J. Stuckey D. J. Stu			640	4	field Co	ic Ri	lar	on of At	نعنعن	A Di	Company.	Gas	
Footage Location 825 feet from (N) XX line 270 feet from (E) XXX line SE/4 Principal contractor Brandt Drilling Company Speed Date Completed Total Depth 3500 ' 3-20-81 6-9-81 3600 ' CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size cosings set weight lbx/ft, Setting depth Type cement Sacks Type and percent additives Surface Csq 11" 8 5/8" 24 401' 50-50 Poz 125 2% CC, ½#F10 Class H 100 2% CC, 12½#Gi Production Csq 7 7/8" 5 1/2" 15.5 3599' 50-50 Poz 200 10% salt, 2% Class H 100 10% salt Liner record Perforation record Top, ft. Solting depth Solting depth One 0.42" Jet 14, 16, 18, Size 3/8" 0D 3374' ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval tracked		60	160	4				102	74	ahoma		<u>, T</u>	
Section (N) **X line								:key	Stu	. J.	D		Ţ
Principal Contractor Brandt Drilling Company Spud Date 3-20-81 Size College Size College Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size college Size (in 0.D.) Size hole drilled Size college Size Size Size Size Size Size Size Siz		-			CE //	X.V			70	27	X.V		-
Brandt Drilling Company Date Completed Total Depth P.B.T.D. Locate well correctly 1472'			160	-	3E/4	(E) (MAX) I	from				(SA line	n (N	100, 11111
Surface Csq 11" 8 5/8" 24 401' 50-50 Poz 200 10% salt 2% Class H 100 2% CC . 12% 12% Class H 100 10% salt 2% Class Class H 100 10% salt 2% Class C											Company	ng -	•
3-20-81 6-9-81 3600' Size formulation 3/40 6 3600' Oil and/or Gas Purchaser CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size coaing set (in 0.D.) et (in						P.B.T.D.		Depth	Tota		Date Completed	T	pud Date
CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size casing set (in 0.0.5) and (in 0.0		4/2	ev.: Gr	EI	11'	<u></u> :			<u> </u>		6-9-81		
Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size casing set Weight Ibs/ff. Setting depth Type cement Sacks Type and percent additives Surface Csq 11" 8 5/8" 24 401' 50-50 Poz 125 2% CC, ½#Flo Class H 100 2% CC.12½#Gi Production Csq 7 7/8" 5 1/2" 15.5 3599' 50-50 Poz 200 10% salt, 2% Class H 100 10% salt LINER RECORD PERFORATION RECORD Top, ff. Socks cement Shots per ff. Size 6 type Depth interval None TUBING RECORD One 0.42" Jet 14, 16, 18, Size Setting depth 3374' ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated		KB	·	DI		'n	chase	ind/or Ges Pur	Oil c			ı	
Purpose of string Size hole drilled Size casing set (in 0.D.) Weight Ibs/ff. Setting depth Type cement Sacks Type and percent additives						ORD	3 RE	CASING		,			
Surface Csq 11" 8 5/8" 24 401' 50-50 Poz 125 2% CC. ½#F]							tc.	production, e	diate,	interme	set — surface,	ings	Report of all string
Class H 100 2% CC.12½#Gi	ent	Type and percent additives	Sacks		Type cement	ng depth	. Set	Weight lbs/ft	sing set D.D.)	Size cas (in O	Size hole drilled		Purpose of string
Production Csg	locel/sk	2% CC、%#Floce	125 2)-50 Poz	401'	-	24	′8"	8 5/	11"		Surface Csg
LINER RECORD PERFORATION RECORD Top, ff. Bottom, ff. Sacks cement Shots per ff. Size & type Depth interval None TUBING RECORD Size Setting depth Packer set of 2 3/8" OD 3374' ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval	<u>Gilso</u> nit	2% CC.125#Gils	100 2		ass H		-						•
LINER RECORD Top, ft. None TUBING RECORD Size 2 3/8" OD ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD PERFORATION RECORD Size 0 type Depth interval 3402, 04, 12 14, 16, 18, 14, 16, 18, Depth interval Depth interval Depth interval Depth interval Depth interval treated	<u>2% ge</u> l	10% salt, 2% o	200 1)-50 Poz	599'	_	15.5	<u>′2"</u>	5 1/	7 7/8"	sa	Production Cso
TOP, ff. None TUBING RECORD Size 2 3/8" OD ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Slize on the state of t		10% salt	100 1		ass H	٠					•		
None TUBING RECORD One 0.42" Jet 3402, 04, 12 14, 16, 18, Size 2 3/8" OD 3374' ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated		D	TION RECORD	RFORA [.]	PER					₹D	LINER RECOF		
Size Setting depth Packer set of 2 3/8" OD 3374' ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated	ai	Depth interval	& type	Sixe	ft.	Shots		ement	Sacks co	S	tom, ft.	Bot	* *
Size 2 3/8" OD 3374 ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated	12, 13, , 28 % 3	3402, 04, 12, 1 0.42" Jet 14, 16, 18, 28			0ne					UBING RECORD		•	
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated	*							iet ot	Packer:	P		Se	1
					ZE RECORD	ENT SQL	CE/	URE, SHOT,	RACT	CID, F			
None		th interval treated	Depth					material used	kind of	int and k	Amou		
													None
									<u> </u>				
INITIAL PRODUCTION						стіон	ROD	INITIAL P					
Date of first production Producing method (flowing, pumping, gas lift, etc.)					ft, etc.)	umping, g	wing,	g method (flo	roducin	Pi			Date of first production
7-6-81 Pumping	-		·										7-6-81
	CFPB		bbls.		13			1	ЬЬ		- 1	١	
Disposition of gas (vented, used on lease or sold) Producing interval(s)					1					iold)	sed on leose or s	ed, t	Disposition of gas (vented
3402-3430'			30'	02-34	1 340			·····					·

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days ofter completion of o well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

ARCO Oil and Gas Company			DESIGNATE TYPE OF CONTROL OF CONT	omp.: OIL, GAS,
Vell No. Lease Name D. J. Stuckey				
4D. J. Stuckey <u>5 28 T 20S R 3 XX</u> X				· ·
WELL LOG Show all important zones of porosity and contents thereof; cored intervelouding depth interval tested, cushion used, time tool open, flowing and sections are contents.	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.			
FORMATION DESCRIPTION, CONTENTS, ETC.	ТОР	воттом	NAME	DEPTH
Sand & shale Shale Shale & lime Lime Lime & shale Lime, sand & shale	0 402 2555 2847 3073 3580	402' 2555' 2847' 3073' 3580' 3600'TD		
PBD 3541'				_
			FORMATION TOPS	
			Lansing-Kansas City Lime Viola Lime Simpson Sand Arbuckle Lime	2390' 3290 3325' 3398'
		·		
			LOG RUN:	
			DIL FDC-CNL Microlog GR-Corr	3591' to 40 3596' to 230 3592' to 230 3540' to 250
			·	^
USE ADDITIONAL SHEETS, IF N	FOESSARY TO	COMPLETE WE	LL RECORD.	
Date Received	//	w/	11	<u></u>
	Mal	Marall	Signature	··········
	Ed Wardel		lling Engineer	·
	July 6, 1	981	Title	
			Date	