KANSAS CORPORATION COMMISSION GINAL OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Address, 120 Genesis Blud, Chartes Pointe, PO Box 25 City/State/Ip. Bridgeport WV 26330 Phone: (393) 865-8800 Contractor: Name Sheat points, Co. LLC & Advanced Drilling Technologies, LLC Leases, 3375 & 36330 Wellstire Geologist, NA Designate Type of Completion: Y New Well Re-Entry Workover Oil SWD SIOW Temp Abd. July Back State Pilly Back Total Depth: Coperator: Operator: Despensing Re-perf. Corn, to Enhr./SWD Plug Back Depth Docket No. Older GWD or Enhr? Docket No. Down Date Reached To Completion Date or Recompletion Date or Recompletio	Operator: License # 33325	API No. 15 - 023-21012-0000
City/State/Zip. Bindgeport WV 26330 Purchaser. NA Operator Contact Person. Larry Robbins Contractor: Name. Schaal planting Co. LLC & Advanced Dalling Technologies, LLC License. 3375 8, 35530 License. 3375 8, 35530 Contractor: Name. Schaal planting Co. LLC & Advanced Dalling Technologies, LLC License. 3375 8, 35530 Contractor: Name. Schaal planting Co. LLC & Advanced Dalling Technologies, LLC License. 3375 8, 35530 Contractor: Name. Schaal planting Co. LLC & Advanced Dalling Technologies, LLC License. 3375 8, 35530 Check No. Cherry Creek Niobrara Gas Aroa Field Marne. Ground: 3565' Kelly Bushing: 3577' Total Deptin: 1503' Plug Back Commingled Docket No. Docket N	Name: Petroleum Development Corporation	County: Cheyenne
Purchaser. NA Operator Contact Person. Larry Robbins Ponone: (230)	Address: 120 Genesis Blvd., Charles Pointe, PO Box 26	<u>SE_SW</u> Sec. 10 Twp. 5 S. R. 39
Purchaser. NA Operator Contact Person: Larry Robbins Confractor: Name, Schael paring, Co. LLC & Advanced Diriling Technologies, LLC License, 3375 & 35532 License, 3375 & 35532 Wellsite Geologist, NA Well endedogist, NA Well endedogist, NA Well endedogist, NA Designate Type of Completion:	City/State/Zip: Bridgeport WV 26330	760 feet from N (circle one) Line of Section
Contractor: Name: Schael Define Co. LLC & Advanced Drilling Teomologies, LLC		1980 feet from E / (W) (circle one) Line of Section
Phone: (393) 885-5800 (crice and) NE SE NW	Operator Contact Person: Larry Robbins	
Lease Name: School golder Country Contractor: Name: School golder Country Co	Phone: (_303) _860-5800	(circle one) NE SE NW (SW)
Distribution Sarta Sasta	Contractor: Name: Schaal Drilling, Co. LLC & Advanced Drilling Technologies, LLC	Lease Name: Knorr Well #: 24-10
Wellate Geologist: NIA Designate Type of Completion:	License: 337/5 & 33532)	Field Name: Cherry Creek Niobrara Gas Area
Designate Type of Completion: New Well		
New Well Re-Entry Workover	· ·	Elevation: Ground: 3565' Kelly Bushing: 3577'
Multiple Stage Cementing Collar Used?	New Well Re-Entry Workover	
If yes, show depth set	OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 10 joints @ 398 Feet
If yes, show depth set		
If Alternate II completion, cement circulated from feet depth to feet de	i	
Operator:		
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to Enhr./SWD Deepening Re-perf. Conv. to Enhr./SWD Debening Re-perf. Conv. to Enhr./SWD Dewatering method used Evaporation Decket No. Departor Name: License No.: Converge No.: Decket No.: Departor Name: License No.: Decket No.: Deck		
Original Comp. Date:Original Total Depth:Original Total Depth:Original Total Depth:Original Total Depth:Original Total Depth:Original Total Depth:Original Total Depth:	Well Name:	
Deepening Re-perf. Conv. to Enhr./SWD Chloride content. 5000 ppm Fluid volume 50 bbls Dewatering method used Evaporation Commingled Docket No. Dual Completion Docket No. Docket No. Defer I fluid disposal if hauled offsite: Other (SWD or Enhr.?) Docket No. Docket No. Dependence of fluid disposal if hauled offsite: Other (SWD or Enhr.?) Docket No. Docket No. Dependence of fluid disposal if hauled offsite: Outlooked No. Dependence of fluid disposal if hauled offsite	Original Comp. Date: Original Total Depth:	
Plug Back	Deepening Re-perf Conv. to Enhr./SWD	
Commingled Docket No. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No. O4/01/2008 Docket No. O4/02/2008 Spud Date or Recompletion Date INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Fulle 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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. KCC Office Use ONLY Letter of Contidentiality Received If Denied, Yes Date: RECEIVED KANSAS CORPORATION COMMIS AND TATE PUBBLIC Date: OUR Distribution Docket No.: Do	·	
Other (SWD or Enhr.?) Docket No. Other (SWD or Enhr.) S. R. Lease Name: Lease Name: Lease Name: Lease Name: License No. Ourtier Sec. Twp. S. R. Docket No. Ourtier Sec. Twp. S. R. Ourtier Sec. Twp. S. R. Docket No. Ourtier Sec. Twp. Sec. Twp. Sec. Top. Sec. Top. Sec. Top. Sec. Twp. Sec. Top. Sec. Top. Sec. Top. Sec. Twp. Sec. Top. Sec. Twp. Sec. Top. Sec. Top. Sec. Twp. Sec. Twp. Sec. Twp. Sec. Twp. S		
Other (SWD or Enhr.?) Docket No O4/01/2008 Spud Date or Recompletion Date O4/28/2008 Spud Date or Recompletion Date INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-105 and 82-3-107 apply. Information of 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 tor 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: Coperator Name: License No. Capital West Sec. Twp. S. R. East West Sec. Twp. S. R. Capital West Sec. Twp. Sec.	i de la companya de	Location of fluid disposal if hauled offsite:
O4/01/2008 O4/02/2008 Oate or Recompletion Date Date Reached TD Date Reached TD Date Recompletion Date Completion Date Date Reached TD Date Recompletion Date County: Docket No.: INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Title: Regulatory Agent Date: July 08, 2008 CARRIE EGGL STON Notary Public: Wireline Log Received JUL 09 2008 CONSERVATION DIVISION	Ĭ	Operator Name:
Spud Date or Recompletion Date Date Reached TD Date Reached TD Date Recompletion Date Completion Date County: Docket No.: Docket No.:		Lease Name: License No.:
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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 of 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: Title: Regulatory Agent Date: July 08, 2008 KCC Office Use ONLY Letter of Confidentiality Received Wireline Log Received KANSAS CORPORATION COMNIS Geologist Report Received UIC Distribution JUL 0 9 2008 CONSERVATION DIVISION		County: Docket No.:
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Signature: Title: Regulatory Agent Date: July 08, 2008 Subscribed and sworn to before me this day of CARRIE EGGLESTON Notary Public: Date: Conservation Division CONSERVATION DIVISION	Kansas 67202, within 120 days of the spud date, recompletion, worker Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged well	ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3- is and geologist well report shall be attached with this form. ALL CEMENTING is. Submit CP-111 form with all temporarily abandoned wells.
Title: Regulatory Agent Date: July 08, 2008 Letter of Confidentiality Received If Denied, Yes Date: RECEIVED Wireline Log Received KANSAS CORPORATION COMMIS CARRIE EGGLESTON NOTARY PUBLIC Date Commission Expires: STATE OF COLORADO CONSERVATION DIVISION		late the oil and gas industry have been fully complied with and the statements
Subscribed and sworn to before me this day of		KCC Office Use ONLY
Notary Public: Date Commission Expires: Wireline Log Received KANSAS CORPORATION COMMIS Wireline Log Received KANSAS CORPORATION COMMIS Geologist Report Received UIC Distribution UIC Distribution CONSERVATION DIVISION	Title: Regulatory Agent Date: July 08, 2008	\ Letter of Confidentiality Received
20 ORANGE EGGLESTON Notary Public: CARRIE EGGLESTON NOTARY PUBLIC Date Commission Expires: Wireline Log Received KANSAS CORPORATION COMMIS Geologist Report Received UIC Distribution UIC Distribution CONSERVATION DIVISION	Subscribed and sworn to before me this Sth day of Lilli	If Denied, Yes Date:
Notary Public: CARRIE EGGLESTON NOTARY PUBLIC Date Commission Expires: STATE OF COLORADO Geologist Report Received UIC Distribution JUL 0 9 2008 CONSERVATION DIVISION		
Date Commission Expires: NOTARY PUBLIC UIC Distribution UIC Distribution CONSERVATION DIVISION		Geologist Report Received
Date Commission Expires: CONSERVATION DIVISION		
WICHITA, KS		ORADO CONSERVATION DIVISION

**** My Commission Expires 10/12/2010

Operator Name: Petroleum Development Corporation					Lease Name: Knorr			Well #: 24-10				
Sec. 10 Twp. 5					ty: Chey							
ested, time tool ope emperature, fluid red	how important tops on and closed, flowin covery, and flow rates a surveyed. Attach	g and shues if gas to	ut-in pressures, o surface test, a	whether s along with	shut-in pr	essure reached	static level, hyd	rostatic pressu				
Orill Stem Tests Take		ļ,	Yes ✓ No		[V]	_og Format	ion (Top), Depth	and Datum	Sample			
Samples Sent to Geo Cores Taken Electric Log Run (Submit Copy)	ological Survey		✓ Yes No Yes No Yes No			ne orara		Top Datum 1291'				
ist All E. Logs Run:								KA	RECEIVED NSAS CORPORATION CON			
CDL, CNL, Dı	ual Induction.	CBL							JUL 0 9 2008			
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1	a and a manage of a	Pop		RECORD		ew Used ermediate, produc	ation other					
Purpose of String Size Hole Drilled		S	ize Casing et (In O.D.)	We	ight / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives			
Surface 11" 7"		7"	1			398'	Type I/II	106	-			
Production	6 1/8"	4 1/2"		10.5 #/1	ft	1488'	Type I/II	75	2% KCL			
· · · · · · · · · · · · · · · · · · ·												
Purpose:	Depth	T		-		UEEZE RECORI						
Perforate	Top Bottom	Тур	e of Cement	#Sacks Used			Type and	Percent Additives	S			
Protect Casing Plug Back TD					<u> </u>		····	·	-			
Plug Off Zone												
Shots Per Foot			RD - Bridge Plug Each Interval Per			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)						
	1302'-1314'	-				500 gal 7.5%	% HCL, 70 Qua	ality N2 foam	, 1302'-1314'			
		İ				333 bbls of	Mav-100 25# f	luid system,				
						96240 lbs of Daniels 16/30 mesh sand						
						3800 lbs of	d sand					
			340 MSCF I									
UBING RECORD	Size	Set At		Packer A	At	Liner Run	Yes ✓ No	1,016,1.1				
ate of First, Resumerd Production Pend	Production, SWD or E	nhr.	Producing Meth	nod [Flowing	g Pumpi	ng 🔲 Gas Li	ft Othe	er (Explain)			
stimated Production Per 24 Hours	, Oil	Bbls.	Gas	Mcf	Wate	er B	bls. (Gas-Oil Ratio	Gravity			
isposition of Gas	METHOD OF C	OMPLETION	L DN			Production Inter	val	<u> </u>				
Vented Sold	Used on Lease	-	Open Hole	✓ Perf		Dually Comp.	Commingled					

SCHAAL DRILLING, CO. PO BOX 416 BURLIINGTON, CO. 80807 719-346-8032 FIELD REPORT

SURFACE CASING, DRILLING AND CEMENTING

	•		
DRILLING DATE 4-	01-08		
WELL NAME & LEAS	SE # Knorr 24-10		
MOVE IN, RIG UP, D	G PITS ETC. DATE 3-31-08	TIME 1:00	□AM ⊠ PM
SPUD TIME 7:30	AM PM SHALE DEPTH 335	TIME 9:30	⊠AM □PM
HOLE DIA. 11 F	ROM 0 TO 390 TD	TIME 10:30	⊠AM ☐ PM
CIRCULATE, T.O.O.H	I., SET 385.10 FT CASING 398.1	0 KB FT DEP	ГН
10 JOINTS 7	D#/FT □14 □15.5 図17 □20 □	23	
PUMP 106 SAC CE	MENT 636 GAL.DISP. CIRC.	BBL TO PIT	
PLUG DOWN TIME	12:00 □AM ☑PM DAT	E 4-01-08	
CEMENT LEFT IN CS CENTRALIZER 1	G. 20 FT TYPE: PORTLANI CEMENT COST \$		ASTM C 150
ELEVATION 3565 +12KB 3577			
PIPE TALLY			
1. 39.00 2. 39.00 3. 38.80 4. 38.80 5. 37.10 6. 36.20			
7. 39.10 8. 39.10 9. 39.00			
10. <u>39.00</u> 11. 12.			
13.			:

15. TOTAL 385.10 RECEIVED KANSAS CORPORATION COMMISSION

JUL 0 9 2008

CONSERVATION DIVISION WICHITA, KS



A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

LONGHORN CEMENTING CO.

P.O. BOX 203 YUMA, COLORADO 80759 Phone: 970-848-0799 Fax: 970-848-0798

										DATE	4/0	108_TIC	KET N	10. 1539	j		
DATE OF JOB	103/18 DISTRICT							WELL	Ø	OLD WELL	PROD] LNJ	WDW	CUSTOMER ORDER NO.			
CUSTOMER	PDC	r.						LEASE	. ,	KNO	RR :	24-10		WELL NO.			
ADDRESS								COUNTY STATE KS									
CITY	STATE								SERVICE CREW Thomas								
AUTHORIZED BY		········						EQUIPN	ENT	00	mp ill						
TYPE JOB: US								ND DATA:		ks 4	TRUCK CALL	D i//		DATE AM PM	TIME		
SIZE HOLE:		DEPTH	FT.	SACKS	BRAND	TYPE	96 (GEL	ADM	IXES	ARRIVED AT	OB		AM PM			
SIZE NOLE:	NEW D	DEPTH	FT.	1/3	- A-	1/1					START OPER	TION		AM PM			
SIZE & WT. D PIPE O		DEPTH	FT.								FINISH OPER	ATION		MA			
TOP PLUGS	TYP	E:	<u> </u>	WEIGHT OF		17.5	LBS	. / GAL.	LBS.	/ GAL	RELEASED			PM AM			
701505		<u> </u>			SACKS CEM		ED WITH	1_2_	6 OF _	&L_		STATION TO WEL		PM			
PBTD	MAX D	PTH <i>[4</i>]	₹ FT.		MAX	PRESSURE	2	000	P.S.I.								
·	т заррява и п	shall be	ecome a p	art of this co	ontract with	nout writte	in cons	ent or an	officer	of Advanc	ed Drilling Tech	additonal or sub- nologies, LLC.	,				
ITEM / PRICE REF. NUMBER		MATER	RIAL, EC	UIPMEN	T AND S	ERVICE	s us	ED UNIT			QUANTITY UNIT PRIC			E \$ AMOUNT			
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SERVICE		//-		1.11.1	ТН	E ABOVE	E MAT	ERIAL A	ND SF	RVICE		1.	1/2	<i> //</i>			
REPRESENTATI	VE /	(m)	sol the	M		RDERED I		JSTOM	R AN	RECEN		Jany,	1 RU	yue	<u> </u>		
FIELD SERVICE OF	RDER NO.		· ·					(WI	ELL OW	NER, OPE	RATOR, CONT	RACTOR OF AGE	.NT)				