# Corrected

### **CORRECTED**

#### RECEIVED

JUL 0 1 2005

Mon.

KCC WICHITA

	FOR KLC USE:					FORM LB*1 12/YS
		E 2 25				FORM MUST BE TYPED
	EFFECTIVE DATE:_	5.2.00	State of			FORM MUST BE SIGNED
	DISTRICT #		CATHODIC PROTECTI			ALL BLANKS MUST BE FILLED IN
	SGA?YesY.No	<u>o</u> Hust b	be approved by the K.C.C. si			
			5 16 05	Spot (Loc	ation) 0/0/0	alc alu-v <sup>East</sup>
	Expected Spud (Sta	arting) Date	516:-05	. SE3	E NE., Sec 49.	$_{1\text{Wp}}$ 31S s, $_{Rg}$ 31W $X_{\text{West}}$
		m	onth day year	224.	feet fro	m South / North Xine of Section
	OPERATOR: License	#32119	<u> </u>		Ω feet fro	m East)/ West line of Section
						arest outside corner boundarys)
	Name: N	orthorn Not	ural Cas Ca		N RECULAR	
	Addrana	YII''South I	ural Gas Co	13 320110		n Plat on Reverse Side)
	City/State/Lip:	Quatra,nr.	680.13	Lounty:.	sevaru	
		Duana Maad			Innoho	1
	Contact Person:	puatte nood	у	Lease Na	me Jacobs	Well #:
		402-309-79	4.5		Jacobs	well #1
	Phone:	402-398-78	43	Facility	Name:	······································
				Ground St	rfaceElevation:	2.869
			/	Cathodic	Borehole Total Dep	
	CONTRACTOR: Lice	nse #. 32775			Bedrock	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•••••			INFORMATION:
	Name:	McLeans CP	Installation, Inc.	Aguifar		None Single Multiple
	Aduc	**************************************	***************************************			nter: .SWL=180.1.60
	T		W 4 0 - 5 - 1 - 0 - 0 - 1		Later of tresh wa	vater:6 00
	Type Drilling E	.qu)pment:	X. Mud Rotary Cab	le Depth to	bottom of usable v	rater:
			Air Rotary Oth	er Water w	ell within one-quar	ter mile:
		NUCTION FEATURES				ithin one mile: yes 🛠 no
			Hetallic) Casing ,		ource for Drilling	
	Planned to be	set:	20.' ft		well farm ;	oond stream X other
	Length of Conduc	tor pipe (if any	?):NONE ft	. Water W	ell Location:	
	17 1/2'	" - 20' 1	0" - 140'			
	Size of the bore	hole (1.0.)	inches	DWR Per	mīt #:	
	Cathodic surface	casino siza:	ID!' inches	Standard	d Dimension Ratio (	SDR) is =26
			zers set at depths of: 20			in inches / MWT in inches = SDR)
		-	'	•	10 341 1000 00 0331.	in there's , that in there's early
	, , .	; ;	; ; ; ;			
					annea hatuaan hari	
	- 1 12 - 1			ne JunnA		ehole and casing will be grouted
		casing will ter		Annul ar with:	Concrete	Bentonite Cement
			minate at: /ault X. Below Surface Vau	Annular with:	Concrete	Bentonite Cement t Bentonite clay
	Above surfac	e Surface \	Jault X. Below Surface Val	Annular with:	Concrete	Bentonite Cement t Bentonite clay
	Above surfac	e Surface \	/ault X. Below Surface Valued: Yes (No at Depth	Annular With: it. Anode	Concrete	Bentonite Cement
	Above surfac	adaptor will be u	Jault X. Below Surface Val	Annular with: ift. Anode	Concrete Neat cemen vent pipe will be s	Bentonite Cement it Bentonite clay set at: .3 ft. above surface
	Pitless casing a	ion depths are:	Vault X. Below <u>Surface Vai</u> Ised: Yes No at Depth .148; .139; 130; 12	Annular with:	Concrete Neat cemen vent pipe will be s	Bentonite Cement t Bentonite clay
	Pitless casing a	ion depths are:	/ault X. Below Surface Valued: Yes (No at Depth	Annular with:  If Anode 21;  Anode 40.	Concrete .X. Weat cemen vent pipe will be s conductor (backfill	Bentonite Cement  Bentonite ctay  Set at: .3 ft. above surface  ) material TYPE:
Note	Above surface Pitless casing a Anode installati 1.12.; 103;	odaptor will be used to depths are:  94.; 85.;	Nault X. Below Surface Values (1864) 139; 130; 130; 130; 130; 130; 130; 130; 130	Annular with:  oft. Anode (2);  Anode (40);  Depth	Concrete .X. West cemen vent pipe will be s conductor (backfill to BASE of Backfill	Bentonite Cement  Bentonite clay  Set at: .3 ft. above surface  ) material TYPE: SC2  installation material: 160
<u>Noti</u>	Pitless casing a Anode installati 1.12.; 103;	odaptor will be used to depths are:  9A.; 85.;	/autt X. Betow Surface Values ised: Yes No at Depth148; .139; 130; 13 .76; .67; 58.; 49.; 4	Annular with:  If: Anode vith:  21; Anode vith:  Depth Depth	Concrete .X. West cemen vent pipe will be s conductor (backfill to BASE of Backfill	Bentonite Cement  Bentonite ctay  Set at: .3 ft. above surface  ) material TYPE:
Tota	Pitless casing a Anode installati 1.12.; 103; c. Non-Aquifer Comple	ion depths are:  9A.; 85.;  tion. Max Total Debe a minimum of 20	/autt X. Betow Surface Values ised: Yes No at Depth148; .139; 130; 13 .76; .67; 58; 49; 4	Annular with:  If: Anode vith:  21; Anode vith:  Depth Depth	Concrete  X Neat cemen  vent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface  material TYPE: SC2  installation material:160  installation material:30
Tota	Pitless casing a Anode installati 1.12.; 103;  Non-Aquifer Comple al depth of boring must ing total depth must be a	odaptor will be used to depths are:  94.; 85.;  tion. Max Total Debe a minimum of 20 reduced if groundware.	Jault X. Below Surface Values ised: Yes Ho at Depth148; .139; 130; 137 148; .67; 58.; 49.; 49.; 49.; 49.; 49.; 49.; 49.; 49	Annul an with:  If Anode (2); Anode (2); Anode (2); Depth Depth	Concrete  X. Neat cemen vent pipe will be s  conductor (backfill to BASE of Backfill to TOP of Backfill	Bentonite Cement  Bentonite clay  Set at: .3 ft. above surface  ) material TYPE: SC2  installation material:160  installation material:30  : 160
Tota	Pitless casing a Anode installati 1.12.; 103;  Non-Aquifer Comple al depth of boring must ing total depth must be a The undersigned h	ion depths are:  9A.; 85.;  tion. Max Total Debe a minimum of 20 reduced if groundwatereby affirms the	Jault X. Below Surface Values is a sed: Yes No at Depth  148; 139; 130; 13  76; .67; 58.; 49.; 4  pth = 160  Tabove the top of groundwater. A start the drilling, completion	Annular with:  If Anode 21;  Anode 21;  Anode Depth Depth	Concrete  X- Neat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill  MAXTP :  agging of this well	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface  material TYPE: SC2  installation material:160  installation material:30
Tota	Pitless casing a Anode installati 1.12.; 103;  Non-Aquifer Comple al depth of boring must ing total depth must be a The undersigned h	ion depths are:  9A.; 85.;  tion. Max Total Debe a minimum of 20 reduced if groundwatereby affirms the	Jault X. Below Surface Values ised: Yes Ho at Depth148; .139; 130; 137 148; .67; 58.; 49.; 49.; 49.; 49.; 49.; 49.; 49.; 49	Annular with:  If Anode 21;  Anode 21;  Anode Depth Depth	Concrete  X- Neat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill  MAXTP :  agging of this well	Bentonite Cement  Bentonite clay  Set at: .3 ft. above surface  ) material TYPE: SC2  installation material:160  installation material:30  : 160
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Tota	Pitless casing a Anode installati 1.12.; 103; E. Non-Aquifer Comple al depth of boring must ing total depth must be a The undersigned bet, seq. It is 1. Notify t	ion depths are:  94.; 85.;  tion. Max Total Debe a minimum of 20 reduced if groundwathereby affirms the agreed that the spenopriate defines the appropriate defines the approp	Jault X. Below Surface Values and Depth  148; 139; 130; 137  76; 67; 58.; 49.; 49.  The print of groundwater And the drilling, completion following minimum requirements of the prior to spurior of the prior of t	Annular with:  If Anode (2);	Concrete  X- Neat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill  MAXTP:  agging of this well:  in before plugging	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface  Installation material: .160  Bentonite clay  Bet at: .3. ft. above surface  SC2  Installation material: .160  Bentonite Cement  Bentonite Cement
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Tota	Pitless casing a Anode installati 1.12 ; 103 ;  Non-Aquifer Comple al depth of boring must ling total depth must be a The undersigned het. seq. It is  1. Notify t 2. A copy o 3. The mini 4. An agree	adaptor will be used to be a minimum of 20 reduced if groundwas hereby affirms the agreed that the he appropriate of the approved name amount of casent between the	rised: Yes (No at Depth  148; .139; 130; 136  76; .67; 58; 49; 49  Tabove the top of groundwater. A state of intent to drill shothed in surface as single as set the discussion as set the drill shothed in surface casing as set.	Annular with:  If. Anode (2);  Anode (2);  Depth Depth Depth (2);  and eventual pluents will be met (2);  adding of and againal be posted on excified below shoffice on plues (3);	Concrete  X. Weat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill  MAXTP:  agging of this well:  in before plugging each drilling rig all be set by grow and placement is n	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface  SC2  Installation material: .160  Installation material: .30  I CO  Will comply with K.S.A. 55-101,  Well;  Ting to the top.  Becessary prior to plugging;
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Tota Bori	Pitless casing a Anode installati 1.12 ; 103 ;  Non-Aquifer Comple al depth of boring must ling total depth must be a The undersigned the seq. It is  1. Notify the seq. It is 3. The mini 4. An agree 5. The approfer IN ALL Complete In ALL	daptor will be used to be a minimum of 20 reduced if groundwatereby affirms the agreed that the he appropriate of the approved name amount of casent between the appriate district ASES, WOTIFY DISTANCE.	Jault X. Below Surface Valuesed: Yes No at Depth  148; .139; 130; 12  16; .67; 58.; 49.; 4  pth = 160	Annular with:  It. Anode 121; Ano	Concrete  X. Weat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  to TOP of Backfill  MAXTP:  agging of this well:  in before plugging each drilling rig all be set by ground and placement is n her plugged or cas	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface    material TYPE:
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≯w A S	Above surface  Pitless casing a  Anode installati  1.12.; 103;  Non-Aquifer Completed by the service of the service of the appropriate of the service of the appropriate of the service of the appropriate	daptor will be to daptor will be a minimum of 20 reduced if groundward agreed that the daptor	Jault X. Below Surface Valuesed: Yes No at Depth  148; .139; 130; 12  16; .67; 58; 49; 49  puth = 160  The properties of the district office prior to specific of intent to drill should be office will be notified be surface casing as specific will be notified be surface will be notified be surface will be notified be surface of the district office will be notified be surface of the district office will be notified be surface of Operator or Agent:  FOR KCC USE:  API # 15- 219  Conductor pipe required  Himimum cathodic surface Approved by: 120	Annular with:  If. Anode  If. Anode  If. Anode  If. Anode  Depth Depth  Anode  Anode  If.	Concrete  X. Neat cemen  yent pipe will be s  conductor (backfill  to BASE of Backfill  MAXTD:  agging of this well:  in before plugging each drilling rig all be set by group and placement is not her plugged or cas  if my knowledge and	Bentonite Cement  Bentonite clay  Bet at: .3. ft. above surface    material TYPE:
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## CORRECTED

RECEIVED

JUL 3 1 3005

KCC WICHITA

#### IN ALL CASES PLOT THE INTENTED WELL ON THE PLAT BELOW

Show the relationship to other wells or facilities proposed to be serviced by the intented cathodic borehole. Please show all the wells, existing cathodic boreholes, pipelines or facilities within 1/2 mile of the proposed borehole.

API NO. 15- OPERATOR Northern Natrual LEASE Jacobs WELL NUMBER #1 FACILITY NAME Jacobs Well #1  SPOT: QTR/QTR/QTR/QTR OF ACREAGE - SE - SE - N	2245' 80' SECTION 20 E IS SECTION NE IP SECTION CORNER BOU	feet from south/north line of so feet from east/west line of so TWP_31SRG_31W	ection  R BARBST
	PLAT		
	ation of intented cathodrest lease, unit or outs	dic borehole.) ide section boundary line.)	
		1	RECEIVED AS CORPORATION COMMISSIO
		2345-1	APR 2 2 2005
		Section 20	CONSERVATION DIVISION WICHITA, KS
		Section 20	
		80	
•		EXAMPLE .	
	::	1980	
		3390'	

#### In plotting the proposed location of the well, you must show:

- The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.;
- the distance of the proposed drilling location from the section's south/north and east/west; and
- 3) the distance to the nearest lease, unit or outside section boundary line.