For KCC Use:

District	#	
----------	---	--

Yes	N
	Yes

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1036079

Form C-1 October 2007 Form must be Typed Form must be Signed All blanks must be Filled

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date:	Spot Description:
month day year OPERATOR: License#	
Address 1:	Is SECTION: Regular Irregular?
Address 2: City:	(Note: Locate well on the Section Plat on reverse side)
Contact Person:	Lease Name: Well #:
Phone:	Field Name:
CONTRACTOR: License# Name:	Is this a Prorated / Spaced Field? Yes No Target Formation(s):
Well Drilled For: Well Class: Type Equipment: Oil Enh Rec Infield Mud Rotary Gas Storage Pool Ext. Air Rotary Disposal Wildcat Cable Seismic ; # of Holes Other Other: Other: Other Other: Other Other Off Other Other Original Completion Date: Original Total Depth:	Nearest Lease or unit boundary line (in footage): Ground Surface Elevation: Yes Water well within one-quarter mile: Yes No Public water supply well within one mile: Yes No Depth to bottom of fresh water: Depth to bottom of usable water: Surface Pipe by Alternate: I I Length of Surface Pipe Planned to be set: Length of Conductor Pipe (if any): Projected Total Depth: Formation at Total Depth: Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
If Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
KCC DKT #:	Will Cores be taken?
	If Yes, proposed zone:

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq. It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office *prior* to spudding of well;

- 2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
- 3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
- 4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
- 5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
- 6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 DAYS of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cementing.

Submitted Electronically

	Remember to:
For KCC Use ONLY	- File Drill Pit Application (form CDP-1) with Intent to Drill;
API # 15 -	- File Completion Form ACO-1 within 120 days of spud date;
Conductor pipe required feet	 File acreage attribution plat according to field proration orders; Notify appropriate district office 48 hours prior to workover or re-entry;
Minimum surface pipe required feet per ALT. I II	- Submit plugging report (CP-4) after plugging is completed (within 60 days);
Approved by:	- Obtain written approval before disposing or injecting salt water.
This authorization expires:	 If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.
(This authorization void if drilling not started within 12 months of approval date.)	Well Not Drilled - Permit Expired Date:
Spud date: Agent:	Signature of Operator or Agent:
	<



1036079

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Side Two

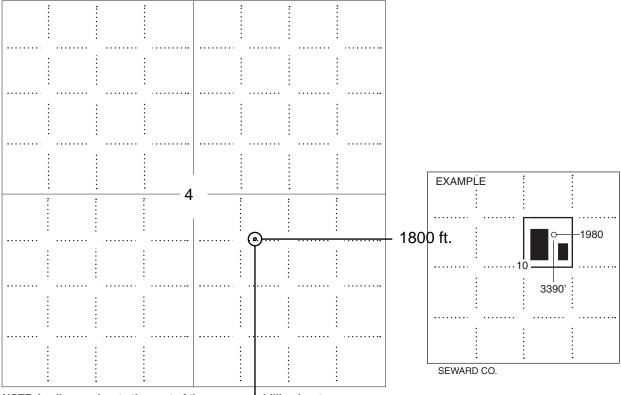
Plat of acreage attributable to a well in a prorated or spaced field

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for gas wells and wells at the proposed acreage attribution unit for gas wells at the proposed acreage attribution unit for gas wells at the proposed acrea

API No. 15	
Operator:	Location of Well: County:
Lease:	feet from N / S Line of Section
Well Number:	feet from E / W Line of Section
Field:	Sec Twp S. R E 🗌 W
Number of Acres attributable to well:	Is Section: Regular or Irregular
	If Section is Irregular, locate well from nearest corner boundary. Section corner used: NE NW SE SW

PLAT

(Show location of the well and shade attributable acreage for prorated or spaced wells.) (Show footage to the nearest lease or unit boundary line.)



NOTE: In all cases locate the spot of the proposed drilling locaton.

2020 ft.

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

- 1. 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.
- 2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
- 3. The distance to the nearest lease or unit boundary line (in footage).
- 4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1036079

Form CDP-1 April 2004 Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name:			License Number:	
Operator Address:				
Contact Person:		Phone Number:		
Lease Name & Well No.:			Pit Location (QQQQ):	
Type of Pit:	Pit is:		·	
Emergency Pit Burn Pit	If Existing, date c		SecTwpREast West	
Settling Pit Drilling Pit			Feet from North / South Line of Section	
(If WP Supply API No. or Year Drilled)	Pit capacity:		Feet from East / West Line of Section	
		(bbls)		County
Is the pit located in a Sensitive Ground Water	Area? Yes	No		mg/l
Is the bottom below ground level?	Artificial Liner?	No	(For Emergency Pits and Settling Pits only) How is the pit lined if a plastic liner is not used?	
Pit dimensions (all but working pits):	Length (fe	eet)	Width (feet)	N/A: Steel Pits
	om ground level to d			No Pit
Distance to nearest water well within one-mile of pit Depth to shallowest fresh waterfeet. Source of information: Source of information:			feet.	
feet Depth of water well	feet Depth of water wellfeetmeasu		redwell owner	electric logKDWR
Emergency, Settling and Burn Pits ONLY:		Drilling, Work	over and Haul-Off Pits ONLY:	
Producing Formation:		Type of materia	ial utilized in drilling/workover:	
Number of producing wells on lease: Number of wo		Number of wor	er of working pits to be utilized:	
Barrels of fluid produced daily: Abando		Abandonment	procedure:	
Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be		t be closed within 365 days of spud date.		
Submitted Electronically				
KCC OFFICE USE ONLY Steel Pit RFAC RFAS				
Date Received: Permit Num	ber:	Perm	t Date: Lease	Inspection: Yes No

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION** WELL PLUGGING RECORD K.A.R. 82-3-117

Form CP-4 December 2003 Type or Print on this Form Form must be Signed All blanks must be Filled

Lease Operator: Mai Oil Operations, Inc.	API Number: 15 - 009-25007-00-00
Address: PO Box 33, Russell, KS 67665	Lease Name: Popp
Phone: (785) 483 - 2169 Operator License #: 5259	Well Number:
Type of Well: Oil D & A Docket #:	Spot Location (QQQQ): <u>E/2</u> - <u>NW</u> - <u>SE</u>
(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) (If SWD or ENHR)	Feet from North / ✓ South Section Line
The plugging proposal was approved on: <u>12-21-06</u> (Date)	Feet from 🗸 East / 🗌 West Section Line
by: Herb Deines (KCC District Agent's Name)	Sec. <u>4</u> Twp. <u>16</u> S. R. <u>14</u> □ East √ Wes
Is ACO-1 filed? Yes No If not, is well log attached? Yes No	County:
Producing Formation(s): List All (If needed attach another sheet)	D & A
Depth to Top: Bottom: T.D	Plugging Commenced: 12-22-06
Depth to Top: Bottom: T.D	Plugging Completed: 12-22-06
Depth to Top: Bottom: T.D	Plugging Completea:

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or W	ater Records	Casing Record (Surface Conductor & Production)			ion)	
Formation	Content	From	То	Size	Put In	Pulled Out
*see attached drilling		0'	434'	8 5/8" new 23#	424.16'	0'
report						

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plug well with 125 sacks of 60/40 Poz, 6% gel, 1/4# floseal per sack.

1st plug @ 3375' with 25 sacks. 2nd plug @ 935' with 25 sacks. 3rd plug @ 500' with 50 sacks.

4th plug @ 40' with 10 sacks to surface. Plug rat hole with 15 sacks.

Job complete @ 2:45 am on 12-22-06 by Allied Cementing (tkt #33471)

Name of Plugging Contractor: Southwind Drilling, Inc.

Address: PO Box 276, Ellinwood, KS 67526

Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.

_{State of} Kansas Barton County,

Todd E. Morgenstern, VP/OP of Southwind Drilling, Inc.

(Employee of Operator) or (Operator) on above-described well, being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God. А

A NOTADY DIRUTE State of Kansas B	(Signature) lode 5-7			
ADIANT FOLL KASSELMAN	(Address) PO Box 276, Ellinwa	ood, KS ⁶⁷⁵²⁶		/
SUBSCRIBED and	SWDRN TO before me this	day ofday of		, 20.06
Ronu	Notary Public	My Commission Expires:		RECEIVEN
	•		KANSAS C	CORPORATION COMMISSIC

. SS.

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DEC 2 8 2006

CONSERVATION DIVISION WICHITA, KS

License #: 33350

SOUTHWIND DRILLING, INC. PLUGGING ORDERS AND REPORTS

Lease: Pc	pp#g	2	1/1-1/1-1-1/1-1/1-1/1-1/1-1/1-1/1-1/1-1	
Plugging received from: Herb	Deines	Date:	12-24-06 T	ime: <u>9;45</u> A. <i>m</i> ,
1 st Plug @ <u>3375</u> FT	25 5	SX	Stands:	
2 nd Plug @73_5FT	25	SX	Stands:	
3 rd Plug @500FT	50	SX	Stands:	
4 th Plug @FT	10	SX	Stands:	
5 th Plug @FT		SX	Stands:	
Mousehole	none s	sx		
Rathole	15 :	sx		
Total Cement used:	125 :			
Type of cement: <u>60/40</u>	6% Ge	1 1/4	"CellFlake	e per SK
Plug down at 2:45 A M	12-22-0	36 b	y Allied C.	ementine
Call State When Completed:			7.	, No.
Name Herb Deines		Da	te: 12-22-06	Time: 11:30AM

RECEIVED KANSAS CORPORATION COMMISSION DEC 28 2006

CONSERVATION DIVISION WICHITA, KS

SOUTHWIND DRILLING, INC. **RIG #3**

PO Box 276, Ellinwood, KS 67526 Office Phone 620-564-3800, Fax 620-564-3845

DRILLING REPORT

Popp #2

Location: 2020' FSL & 1800' FEL	Section 4-16S-14W
API#: 15-009-25007-00-00	Barton County, Kansas
OWNER::Mai Oil Operations, Inc.CONTRACTOR:Southwind Drilling, Inc. Rig #3	<u>COMMENCED</u> : 12-15-06 <u>COMPLETED</u> : 12-22-06
TOTAL DEPTH: Driller: 3450'	Ground Elevation: 1913'
Logger: 3450'	KB Elevation: 1921'

LOG :

0'	-	910'	Redbed/Shales
910'	-	935'	Anhydrite
935'	-	1 960'	Shales
1960'	-	3450'	Lime/Shale
		3450'	RTD

CASING RECORDS

Surface casing - 8 5/8"

Ran 10 joints of 23# new 8 5/8" surface casing. Tally @ 424.16'. Set @ 434'. Cement with 225 sacks of common, 2% gel, 3% calcium chloride. Cement did circulate. Plug down @ 2:45 am on 12-16-06 by Allied Cementing (tkt # 26085).

Production casing $-5\frac{1}{2}$ "

None – plugged the well

DEVIATION SURVEYS

¾ degree (s)	a	435'
¹ / ₂ degree (s)	a	3174'

RECEIVED KANSAS CORPORATION COMMISSION DEC 28 2006 CONSERVATION DIVISION

WICHITA, KS

Southwind Drilli								
	ILLING REPORT				Oil & Alle	n Bangert		
outhwind Drilling, Inc.		Wellsite Geologist:			Email to: Kitt Noah			
PO-Box 276 8 North Main		Kitt Noa 316-841-		WELL NAME		Popp #2		
Ellinwood, KS 6	7526	510-041		LOCATION		2020' FSL & 1800	' FEL	
620-564-3800						Sec. 4-16S-14W Barton Co., KS		
Rig #3 Phone N		IN USE		Mai Oil Operatio		Barton Co., Ko		
620-566-7104	Rig Cellular (Dog house)	Yes		4514 Cole Ave,	Ste. 740, LB	30		
620-566-7108	Geologist Trailer Cellular	Yes		Dallas, TX 7520 214-219-8883	15			
620-566-7200	Tool Pusher Cellular	Yes	Jim Pfaff		O. T. 1010		L	
				ELEVATION	G.L. 1913	' K.B. 1921'	API# 15-009-25007-00-00	
	g Directions: From Great Ber					e, 1 mile West,	5/8 mile	
South,	West into. (Or from Stickney:	4 miles No	orth, I mile W	est, ½ mile Sout	1).			
Day	1 Date	12-	15-06	Friday	Survey (<u>@ 435' = ¾ deg</u>	rees	
	Rig #3 on location							
	9 4:00 pm	1 1 4 70	1 11 10 1/1		10 -0		.•	
	00 hours drilling (2.50 drill rat						connection,	
	g repair, .25 trip, .25 survey, 2.	00 run casi	ng/cement, .2	5 jet, 1.00 circula	ite, 4.25 wa	ait on cement)		
	operties: spud mud /ud Cost = \$0.00. Mud Cost t	o Doto — \$(0.00					
	bit: 15,000, 130 RPM, 450# p							
	oit #1 (in @ 0' out @ $435'$) =		hrs 435	,				
12 /4		4.50	ms +55					
1" fuel	= 39.00 gals.							
	age: 312.00 gals. (79"used 8")	Start @ 2	9" + 58" deliv	vered = 87"				
Ran 10	joints of 23# new 8 5/8" surfa	ce casing.	Tally @ 424.	16'. Set @ 434'.	Cement v	vith 225 sacks o	f common, 2%	
	calcium chloride. Cement die							
					2			
Day	2 Date	12-	16-06	Saturday				
7.00 an	n – Waiting on cement @ 435'							
	75 hours drilling Down 11.2	5 hours (74	Frig check ?	75 rig repair 37	5 wait on a	amont 25 drill	alua 2.50	
Ran 12	.75 hours drilling. Down 11.2.	5 hours (.7:	ö rig check, 2.	.75 rig repair, 3.7	5 wait on c	ement, .25 drill	plug, 2.50	
Ran 12. connect	tion, 1.25 jet.)	5 hours (.7:	5 rig check, 2.	.75 rig repair, 3.7	5 wait on c	ement, .25 drill	plug, 2.50	
Ran 12. connect Mud pr	tion, 1.25 jet.) operties: spud mud			.75 rig repair, 3.7	5 wait on c	cement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M	tion, 1.25 jet.) operties: spud mud Iud Cost = \$0.00. Mud Cost t	o Date = \$().00	.75 rig repair, 3.7	5 wait on o	cement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on	tion, 1.25 jet.) operties: spud mud /ud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu	o Date = \$(mp pressur).00 re		5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" b	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') =	o Date = \$(mp pressur 4.50).00 'e hrs	435'	5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" b	tion, 1.25 jet.) operties: spud mud /ud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu	o Date = \$(mp pressur).00 'e hrs		5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily N Wt. on 12 ¼" t 7 7/8" t	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') =	o Date = \$(mp pressur 4.50).00 'e hrs	435'	5 wait on c	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily N Wt. on 12 ¼" t 7 7/8" t Fuel us	tion, 1.25 jet.) operties: spud mud Aud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') = bit #1 (in @ 435') = age: 312.00 gals. (71"used 8")	o Date = \$(mp pressur 4.50 12.75).00 'e hrs hrs	435' 1203'	5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily N Wt. on 12 ¼" t 7 7/8" t	tion, 1.25 jet.) operties: spud mud Iud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') = bit #1 (in @ 435') =	o Date = \$(mp pressur 4.50 12.75).00 'e hrs	435'	5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost to bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') = bit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date	o Date = \$(mp pressur 4.50 12.75).00 'e hrs hrs	435' 1203'	5 wait on o	ement, .25 drill	l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') = bit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date n - Drilling @ 1638'	o Date = \$(mp pressur 4.50 12.75 12-).00 e hrs hrs 17-06	435' 1203' <u>Sunday</u>			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu bit #1 (in @ 0' out @ 435') = age: 312.00 gals. (71"used 8") 3 Date n – Drilling @ 1638' 50 hours drilling. Down 4.50	o Date = \$(mp pressur 4.50 12.75 12-).00 e hrs hrs 17-06	435' 1203' <u>Sunday</u>			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19 Mud pr	tion, 1.25 jet.) operties: spud mud Mud Cost = 0.00 . Mud Cost t bit: 25,000, 80 RPM, 650# pu oit #1 (in @ 0' out @ 435') = bit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date n – Drilling @ 1638' 50 hours drilling. Down 4.50 operties: wt. 9.9, vis. 27	o Date = \$(mp pressur 4.50 12.75 <u>12-</u> hours (1.00).00 re hrs hrs <u>17-06</u>) rig check, 2.	435' 1203' <u>Sunday</u>			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19 Mud pr Daily M	tion, 1.25 jet.) operties: spud mud Mud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu oit #1 (in @ 0' out @ 435') = oit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date n – Drilling @ 1638' 50 hours drilling. Down 4.50 operties: wt. 9.9, vis. 27 fud Cost = \$270.75. Mud Cos	o Date = \$(mp pressur 4.50 12.75 <u>12-</u> hours (1.00 t to Date =).00 re hrs hrs <u>17-06</u>) rig check, 2. \$270.75	435' 1203' <u>Sunday</u>			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19 Mud pr Daily M Wt. on	tion, 1.25 jet.) operties: spud mud Iud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu oit #1 (in @ 0' out @ 435') = oit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date 1 - Drilling @ 1638' 50 hours drilling. Down 4.50 operties: wt. 9.9, vis. 27 Iud Cost = \$270.75. Mud Cos bit: 30,000, 80 RPM, 750# pu	to Date = $(1, 0)$ mp pressur 4.50 12.75 12- hours (1.00 t to Date = mp pressur).00 re hrs hrs <u>17-06</u>) rig check, 2. \$270.75 e	435' 1203' <u>Sunday</u> 00 connection, 1.			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19 Mud pr Daily M Wt. on 12 ¼" t	tion, 1.25 jet.) operties: spud mud fud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu oit #1 (in @ 0' out @ 435') = age: 312.00 gals. (71"used 8") 3 Date 1 – Drilling @ 1638' 50 hours drilling. Down 4.50 operties: wt. 9.9, vis. 27 fud Cost = \$270.75. Mud Cos bit: 30,000, 80 RPM, 750# pu oit #1 (in @ 0' out @ 435') =	o Date = \$(mp pressur 4.50 12.75 <u>12-</u> hours (1.00 t to Date = mp pressur 4.50).00 re hrs hrs <u>17-06</u>) rig check, 2. \$270.75 e hrs	435' 1203' <u>Sunday</u> 00 connection, 1. 435'			l plug, 2.50	
Ran 12 connect Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t Fuel us Day 7:00 an Ran 19 Mud pr Daily M Wt. on 12 ¼" t	tion, 1.25 jet.) operties: spud mud Iud Cost = \$0.00. Mud Cost t bit: 25,000, 80 RPM, 650# pu oit #1 (in @ 0' out @ 435') = oit #1 (in @ 435') = age: 312.00 gals. (71"used 8") 3 Date 1 - Drilling @ 1638' 50 hours drilling. Down 4.50 operties: wt. 9.9, vis. 27 Iud Cost = \$270.75. Mud Cos bit: 30,000, 80 RPM, 750# pu	to Date = $(1, 0)$ mp pressur 4.50 12.75 12- hours (1.00 t to Date = mp pressur).00 re hrs hrs <u>17-06</u>) rig check, 2. \$270.75 e hrs	435' 1203' <u>Sunday</u> 00 connection, 1.			l plug, 2.50	

RECEIVED KANSAS CORPORATION COMMISSION

DEC 28 2006

CONSERVATION DIVISION WICHITA, KS

MORNING DP	ILLING REPORT				r	Fax to: Mai	Oil 9 All	n Don cont			
Southwind Drilli			Welleite	Geologist		Email to: Kitt Noah					
PO-Box 276	нь, ще.		Wellsite Geologist: Kitt Noah 316-841-9510			WELL NAME		Popp #2			
8 North Main Ellinwood, KS 6	7526				ŀ	LOCATION		2020' FSL & 18			
620-564-3800				·				Sec. 4-16S-14W Barton Co., KS			
Rig #3 Phone N			IN USE			Mai Oil Operatio	ons, Inc.	Darioli CO., KS			
620-566-7104	Rig Cellular (Dog		Yes			4514 Cole Ave,	Ste. 740, LB	30			
620-566-7108	Geologist Trailer C		Yes			Dallas, TX 75205 214-219-8883					
620-566-7200	Tool Pusher Cellul	ar	Yes	Jim Pfaff	ł	ELEVATION	G.L. 1913	' K.B. 1921	' API# 15-0	09-25007-00-00	
	<u> </u>										
	g Directions: Fr West into. (Or fr							e, 1 mile Wes	t, 5/8 mile		
Day	4	Date	12-1	18-06	M	onday					
Ran 18 2781') Mud pr Daily N Wt. on 12 ¼" 1	n – Drilling @ 24 .50 hours drilling operties: wt. 8.7 Aud Cost = $3,28$ bit: 30,000, 80 F bit #1 (in @ 0' ou bit #1 (in @ 435'	y. Down 5.50 hc , vis. 51, water l 3.57. Mud Cos RPM, 750# pum at @ 435') =	oss 7.2 t to Date p pressur	= \$3,554.32 e hrs	2 43		0 connecti	on, 1.00 jet, 1	.00 displace	@	
Fuel us	age: 468.00 gals.	(47"used 12")		,							
Day	5	Date	12-1	19-06	Tu	iesday	Survey	@ 3174' = ½	dograa		
Day		Date	12-1	19-00				$ap = .93 \log 100$		d	
							LKC "B	<u>(3137'-3174'</u> <u>8" – "C" forn</u> ed 3' mud w	nation		
Ran 8.0 .75 rig - Mud pr Daily M Wt. on 12 ¼" t 7 7/8" t	n - Drilling @ 30 10 hours drilling. 10 check, 1.75 DST 10 operties: wt. 8.9 10 Cost = \$979. 10 bit: 30,000, 80 F 10 bit #1 (in @ 0' ou 10 bit #1 (in @ 435'	Down 16.00 hd #1, .50 connect , vis. 54, water 1 93. Mud Cost t RPM, 750# pump at @ 435') =) =	ion, .25 je oss 7.2 o Date = p pressur	et) \$4,534.25 e hrs	43		174', 2.00	о СТСН, 8.00	trip, .25 surv	/ey,	
Fuel us	age: 468.00 gals.	(35"used 12")									
Day	6	Date	12-2	20-06	W	ednesday		<u>(3348'-3391'</u>)		
								le formation red 10' oil cut	t mud		
Ran 6.0 rig repa Mud pr Daily M Wt. on	n – Drilling @ 32 0 hours drilling. ir, 3.00 DST #2, operties: wt. 9.1 Iud Cost = \$659. bit: 30,000, 80 F	Down 18.00 hc .25 connection, , vis. 43, water 1 31. Mud Cost to PM, 750# pump	.25 jet) oss 8.0 o Date = o pressure	\$5,193.56 e			25', 1.25 (-			
	oit #1 (in @ 0' ou oit #1 (in @ 435')		4.50) 64.75 1	hrs hrs	43 29	5' 56'		KANS	RECE AS CORPORAT	TON COMMISSIO	
Fuel usa	age: 312.00 gals.	(27"used 8")							DEC 28	3 2006	
								C	ONSERVATION WICHITA,	N DIVISION KS	

MORNING DRILLING REPORT				Fax to: Mai Oil & Allen Bangert				
Soùthwind Drilling, Inc. PO Box 276 8 North Main Ellinwood, KS 67526 620-564-3800		Wellsite Kitt Noal 316-841-	-	Email to: Kitt WELL NAME LOCATION	LOCATION 2020' FSL & 1800' FEL Sec. 4-16S-14W		FEL	
Rig #3 Phone Numbers		IN USE		Mai Oil Onomti	Barton Co., KS Mai Oil Operations, Inc.			
620-566-7104 Rig Cellular (Dog house)		Yes			4514 Cole Ave, Ste. 740, LB 30			
620-566-7108 Geologist Trailer Cellular		Yes		Dallas, TX 75205				
620-566-7200	Tool Pusher Cellular	Yes	Jim Pfaff	ELEVATION	G.L. 1913'	K.B. 1921'	API# 15-009-25007-00-00	

Driving Directions: From Great Bend: North on Hwy 281 to Russell/Barton County line, 1 mile West, 5/8 mile South, West into. (Or from Stickney: 4 miles North, 1 mile West, 1/2 mile South).

Thursday

Day 7 12-21-06 Date

RTD = 3450'LTD = 3450'

7:00 am - Tripping in with bit @ 3391'

Ran 2.25 hours drilling. Down 21.75 hours (1.00 CFS @ 3450'. 1.00 CTCH, 3.00 trips, .75 rig repair, 3.50 log, 1.00 wait on cementers, 350 lay down pipe, 3.75 plug, 4.25 tear down)

Mud properties: wt. 9.3, vis. 53, water loss 7.6 Daily Mud Cost = \$837.57. Total Mud Cost = \$6,031.13

Wt. on bit: 30,000, 80 RPM, 600# pump pressure

12 ¼" bit #1 (in @ 0' out @ 435') = 4.50hrs.-

435' 7 7/8" bit #1 (in @ 435' out @ 3450') = 67.00 hrs. -3015'

Fuel usage: 234.00 gals. (21"used 6")

Plug well with 125 sacks of 60/40 Poz, 6% gel, 1/4# floseal per sack.

1st plug @ 3375' with 25 sacks. 2nd plug @ 935' with 25 sacks. 3rd plug @ 500' with 50 sacks.

4th plug @ 40' with 10 sacks. to surface. Plug rat hole with 15 sacks. Job complete @ 2:45 am on 12-22-06 by Allied Cementing (tkt # 33471)

RECEIVED KANSAS CORPORATION COMMISSION

DEC 2 8 2006

CONSERVATION DIVISION WICHITA, KS

ALLIED CEMENTING CO., INC. 33471

DATE 12 -21-06	ELL, KANSA	\$ 67665			SERV	ICE POINT:	ſ
DATE 🛵 🐋 1-06		COULD C			5 - J.	<u>Kuzseli</u>	12-22-06
	SEC. TW	5 F	ЭЕ I «Д	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
	WELL#	LOCA		M marine M.	Line	COUNTY	STATE
OLD OR NEW (Cir			142	348 Yewinn		and an	
CONTRACTOR	Sourhwi	NO Riat	r 8	OWNER			
TYPE OF JOB	ROTARY	Mug ~			·		
HOLE SIZE 🥬		T.D.	4.50	_ CEMENT AMOUNT OR	DEPED 121	62	h R. Cork
TUBING SIZE	<u>~~~~~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	DEPTH DEPTH	<u> </u>			and the second s	Wind Mar 1. 2 and a reason
DRILL PIPE	12 X-H	DEPTH	2 2225		I para	3.4	
TOOL		DEPTH			*		,
PRES. MAX		MINIMUN		COMMON		_@	
MEAS. LINE		SHOE JOI	NT	POZMIX		_@	
CEMENT LEFT IN	I CSG.			_ GEL		_@	,
PERFS.			34C	_ CHLORIDE _		_@ @	
DISPLACEMENT				ASC		@ @	
	EQUIPN	MENT					
	CEMENTER						
	HELPER 🏑	×× /				@	
BULK TRUCK	Attine.	* .				@	
encourse and a second	DRIVER 🥂	21.03 m				@	
BULK TRUCK			,		يع.	@	
<u>#</u>	DRIVER	An		- HANDLING_		@	
	REMA	RKS:		MILEAGE	, 	TOTAL	
						TOTAL	n ang mang kanang para (para na ng na sana ang na sana ang na sana na ng na sana ng na sana ng na sana ng na s
	(recept)	with the second s		periodes.	SERVI	CE	
<u></u>	di.)B	an amanya ing kana mang an ang ang ang ang ang ang ang ang a	
<u>sk</u>	400%	<u>.</u>		\rightarrow DEPTH OF JO			
<u> </u>	694	thole.		PUMP IRUCE	X CHARGE TAGE	@	an de ser granne en la constatut de ser constatut de ser de s
/ <u>~</u>		and the time		MILEAGE	*	_@	
			THANKS				
	Ser. S.	1 mm					a second and a second s
CHARGE TO: 📈	VAL DI	: Ope	<u>Retions</u>	<u>}</u>		TOTAL	
STREET	1					TOTAL	•
CITY	STATE	Э	_ZIP		PLUG & FLOAT	FEOUIPMEN	T
						C C	
				Adalaha ka Karanga Yili ya Kibar nga Tafana ya Kibar Adalah Kibar Adalah Kibar Ada		@	
	5a.	1	\$			@	
	ting Co. Inc.						
To Allied Cemen	$mg \circ 0., m\circ$		g equipment			@	
To Allied Cemen	equested to re					_@	
You are hereby re				3			
You are hereby read and furnish ceme	enter and help		$\mathbf{W} = \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W} \mathbf{W}$,		moment	
You are hereby re and furnish ceme contractor to do y	enter and help work as is list	ted. The abo				TOTAL	· ·
You are hereby re and furnish ceme contractor to do y done to satisfacti	enter and help work as is list on and super	ted. The abo vision of ow	ner agent or	D			• •
You are hereby re and furnish ceme contractor to do y done to satisfacti contractor. I hav	enter and help work as is list on and super e read & und	ted. The abo vision of ow erstand the "	ner agent or TERMS AN	D			
You are hereby re and furnish ceme contractor to do y done to satisfacti	enter and help work as is list on and super e read & und	ted. The abo vision of ow erstand the "	ner agent or TERMS AN	TAX		-	•
You are hereby re and furnish ceme contractor to do y done to satisfacti contractor. I hav	enter and help work as is list on and super e read & und	ted. The abo vision of ow erstand the "	ner agent or TERMS AN	TAX TOTAL CHAR	RGE	-	
You are hereby re and furnish ceme contractor to do y done to satisfacti contractor. I hav	enter and help work as is list on and super e read & und	ted. The abo vision of ow erstand the "	ner agent or TERMS AN	TAX TOTAL CHAR		-	
You are hereby re and furnish ceme contractor to do y done to satisfacti contractor. I hav	enter and help work as is list on and super e read & und	ted. The abo vision of ow erstand the "	ner agent or TERMS AN	TAX TOTAL CHAR	RGE	-	

. Belander van de stander bester de stander de stander bester de stander bester de stander bester de stander best



March 15, 2010

Allen Bangert Mai Oil Operations, Inc. 8411 PRESTON RD STE 800 DALLAS, TX 75225-5520

Re: Drilling Pit Application Popp 2 SE/4 Sec.04-16S-14W Barton County, Kansas

Dear Allen Bangert:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed **without slots**, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as practical after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (785) 625-0550 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through SOLAR within 30 days of fluid removal.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the District Office at (785) 625-0550.