

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30606	API No. 15 - <u>065-23251-0000</u>
Name: Murfin Drilling Company, Inc.	County: Graham
Address: 250 N. Water, Suite 300	NW SE NW NW Sec. 28 Twp. 10 S. R. 21 ☐ East  West
City/State/Zin: Wichita, Kansas 67202	850 N feet from S / N (circle one) Line of Section
Purchaser: Eaglwing DEC 2 8 2006	750 W feet from E / W (circle one) Line of Section
Operator Contact Person: Susan Sears CONFIDENTIA	Footages Calculated from Nearest Outside Section Corner:
Phone: (316) 267-3241	_ (circle one) NE SE NW SW
Contractor: Name: Murfin Drilling Company, Inc.	Lease Name: Grecian Well #: 1-28
License: 30606	_ Field Name: Wildcat
Wellsite Geologist: Wes Hansen	LKC
Designate Type of Completion:	Elevation: Ground: 2220' Kelly Bushing: 2225'
New Well Re-Entry Workover	Total Depth: 3890' Plug Back Total Depth: 3865'
✓ Oil SWD Temp. Abd.	Amount of Surface Pipe Set and Cemented at 210' Feet
	Multiple Stage Cementing Collar Used?
Gas ENHR SIGW	If yes, show depth setFeet
Dry Other (Core, WSW, Expl., Cathodic, etc)	If Alternate II completion, cement circulated from 1745
If Workover/Re-entry: Old Well Info as follows:	475
Operator:	
Well Name:	Drilling Fluid Management Plan 4/1/1/1/14 8/2-67
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride contentppm Fluid volumebbls
Plug BackPlug Back Total Depth	Dewatering method used
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	_
Other (SWD or Enhr.?) Docket No	ļ.
11/20/06 11/29/06 12/14/06	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	- Quarter Sec TwpS. R 🗍 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, wor Information of side two of this form will be held confidential for a period 107 for confidentiality in excess of 12 months). One copy of all wireline I TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged w	
All requirements of the statutes, rules and regulations promulgated to re herein are complete and correct to the best of my knowledge.	gulate the oil and gas industry have been fully complied with and the statements
Signature: Ausanh Heart	KCC Office Use ONLY
Title: Susan Sears, Operations Engineer Date: 12/28/06	Letter of Confidentiality Received
Subscribed and sworn to before me this 28 day of Accemb	If Denied, Yes Date:
20.06	Wireline Log Received RECEIVED  Geologist Report Receives CORPORATION COMMISSION
Notary Public: SUSAN E SUSAN E	THE Distribution DEC 2 9 2006
Date Commission Expires: 114-07 MOTARY  STATE OF  My Appl. Exp	PUBLIC CONCERNATION DIVISION

Operator Name: Mu	rfin Drilling Comp	oany, Inc	· · · · · · · · · · · · · · · · · · ·	Leas	se Name:	Grecian		Well #: <u>1-2</u>	8
Sec. 28 Twp. 1	0 S. R. 21	. 🗌 Eas	t 🗹 West		nty: Grah			· · · · · · · · · · · · · · · · · · ·	
ested, time tool ope emperature, fluid red	how important tops on and closed, flowin covery, and flow rates a surveyed. Attach	g and shu es if gas to	in pressures, surface test,	, whether : along with	shut-in pro	essure reached	d static level, hydr	ostatic pressui	res, bottom hole
rill Stem Tests Take		<b>✓</b> Y	es 🗌 No		<b></b> ✓L	og Forma	tion (Top), Depth	and Datum	Sample
amples Sent to Geo	,	<b>₹</b> Y	es 🗌 No		Nam	e		Тор	Datum
ores Taken		Y							
lectric Log Run (Submit Copy)		<b>√</b> Y	es No			SEE AT	TTACHED LIST		KCC
ist All E. Logs Run:						022711	THOMES LIGH	וח	EC 2 8 2006
Dual Induction Microresistivit	n, Compensa ty	ted Por	osity,						IFIDENTIA
		Repo		RECORD	_	ew Used ermediate, produ	ection, etc.		
Purpose of String	Size Hole Drilled		re Casing t (In O.D.)		eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Perce Additives
Surface		8 5/8	. ( 5.5.)	24#		210	Common	150	3% cc, 2% ge
Production		5 1/2		15.5#		3889	AA2	155	
		T	ADDITIONA	L CEMENT	TING / SQ	JEEZE RECOR	D	· · · · · · · · · · · · · · · · · · ·	
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sacl	ks Used		Type and	Percent Additives	s
✓ Protect Casing — Plug Back TD — Plug Off Zone	0-1745	A-Con		175		3% cc			
Shots Per Foot			RD - Bridge Plu Each Interval Pe		De		acture, Shot, Cemer		ord Depti
4	3538-41, 3572-7	74, 3582-	3590, 3705	-13		1750 gal 1	5% MCA	· · ·	
	CIBP @ 3690'								
	Size 2 3/8	Set At 3631.47		Packer	r At	Liner Run	Yes V No	0	
Date of First, Resumer 12/15/06	d Production, SWD or I	Enhr.	Producing Me	ethod	Flowin	g 🕢 Pumj	oing Gas L	ift Oth	ner (Explain)
Estimated Production Per 24 Hours	0il <b>25</b>	Bbls.	Gas	Mcf	Wat 95	er	_	Gas-Oil Ratio	Gravity CEIVED
Disposition of Gas	METHOD OF	COMPLETIC	N			Production Inte	erval i		ORATION COMMIS
Vented Sold	Used on Lease		Open Hole		erf. 🔲 l	Dually Comp.	Commingled _	DEC	2 9 2006
	,		Other (Spe	ωα <b>ν</b> /	_				VATION DIVISION CHITA, KS

Attach to ACO-1

recian #1-28
Daily drilling report
Page two

11/28/06

RTD 3890'. Cut 34'. DT: none. CT: 23 hrs. dev.: ¼° @ 3890'. HC @ 11:45 a.m. 11/27/06. Log Tech logged from 3:00 pm. To 7:30 p.m. 11/27/06, LTD @ 3891'. Ran 92 jts. of 5 ½" prod. csg. set @ 3889'. Cemt. w/155 sx. AA-2, port collar @ 1747', plug down @ 6:30 a.m. 11/28/06. 15 sx. in RH, 10 sx. in MH.

11/29/06

RTD 3890'. CT: 3 ½ hrs. Rig released @ 10:30 a.m. 11/28/06. FINAL REPORT.

		856 Sec		Rains & Williamson Grecian #1 SW NW NW Sec. 28-T10S-R21W 2222' KB				
Formation	Sample tops							Datum
Anhydrite	1696	+529	+7	1704	+521	-1	1700	+522
B/Anhydrite	1741	+484	+2	1741	+484	+2	1740	+482
Topeka	3250	-1025	flat	3249	-1024	+1	3247	-1025
Heebner	3460	-1235	-2	3459	-1234	-1	3455	-1233
Toronto	3483	-1258	flat	3480	-1255	+3	3480	-1258
Lansing	3501	-1276	-3	3496	-1271	+2	3495	-1273
BKC	3733	-1508	-1	3733	-1508	-1	3729	-1507
Arbuckle	3826	-1601	-4	3830	-1605	-8	3819	-1597
Total Depth	3890			3891			3833	

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DEC 2 9 2006

CONSERVATION DIVISION WICHITA, KS

Grecian #1-28

Operator: Murfin Drilling Company, Inc. Contractor: Murfin Drilling Company, Inc.

Rig #16

NoRa Prospect #3226

850 FNL 750 FWL Sec. 28-T10S-R21W **Graham County, Kansas**  Contact Person:

**David Dovel** 

# KS (Se \*

Phone number:

316-267-3241

Well site Geologist: Wes Hansen

Call Depth: 2800'

Spud: 11/20/06 @ 3:15 p.m.

API # 15-065-23251

Casing:

8 5/8" @ 210'

5 1/2" @ 3889'

TD: 3890' CONFIDENTIAL

Elevation:

2220' GL

2225' KB

**DAILY INFORMATION:** 

11/20/06 MIRT.

11/21/06 Depth 400'. Cut 400'. DT: 8 hrs (WOC). CT: none. Dev.: 1/8° @ 210'. Spud @ 3:15 pm. 11/20/06. Ran 5 jts. = 201.24' of 8 5/8" surf .csg. set @ 210', cmt. w/150 sx.

comm., 3% cc, 2% gel, plug down @ 9:00 p.m. 11/20/06, drilled out @ 5:00 a.m.

11/21/06, circ. 5 bbls by Allied.

11/22/06 Depth 2340'. Cut 1940'. DT: 1 3/4 hrs. (hole 1 jt. Pipe). CT: none. Dev.: 1/20 @ 1032',

1° @ 1998'.

11/23/06 Depth 3166'. Cut 820'. DT: none. CT: none. Dev.: 7/8° @ 3054'.

Depth 3566'. Cut 406'. DT: none. CT: 9 1/2 hrs. Dev.: 0° @ 3566'. DST #1 3488-11/24/06

3566' (LKC A-D zones): 30-60-60-90. Rec. 1500' GIP, 475' O, 150 GOCM, 100' W,

HP: 1663-1611; FP: 30/144, 148/309; SIP: 1034-1007.

11/25/06 Depth 3625'. Cut 59'. DT: none. CT: 20 ½ hrs. Dev.: none. DST #2 3566-3620

(LKC F-G zones): 30-60-60-90. Rec. 1250' GIP, 533' O, 50' OCMW, 217' W. HP:

1705-1674; FP: 42/197, 109/112; SIP: 488-486.

11/26/06 Depth 3838'. Cut 213'. DT: none. CT: 14 hrs. Dev.: none. DST #3 3616-3730'

(LKC H-K zones): 30-60-60-90. Rec. 230' O SPKD M. HP: 1736; FP: 20/69, 70/122;

SIP: 1084-1023. **DST #4 3828-3838' (Arbuckle):** 

11/27/06 Depth 3856'. Cut 18'. DT: none. CT: 23 1/4 hrs. Dev.: none. DST #4 3828-3838'

(Arbuckle): 30-30-30-60. Rec. 82' M. HP: 1854-1742; FP: 52/51, 51/51; SIP: 1025-

1133. BHT 108°. **DST #5 3836-3856' (Arbuckle):** 30-60-60-90. Rec. 2660' SW. HP:

1850-1799; FP: 235/995, 1006/1098; SIP: 1198-1200. BHT 117°.

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**CONSERVATION DIVISION** WICHITA, KS

Grecian #1-28
Daily drilling report
Page two

11/28/06

RTD 3890'. Cut 34'. DT: none. CT: 23 hrs. dev.: ¼° @ 3890'. HC @ 11:45 a.m. 11/27/06. Log Tech logged from 3:00 pm. To 7:30 p.m. 11/27/06, LTD @ 3891'. Ran 92 jts. of 5 ½" prod. csg. set @ 3889'. Cemt. w/155 sx. AA-2, port collar @ 1747', plug down @ 6:30 a.m. 11/28/06. 15 sx. in RH, 10 sx. in MH.

11/29/06

RTD 3890'. CT: 3 ½ hrs. Rig released @ 10:30 a.m. 11/28/06. FINAL REPORT.

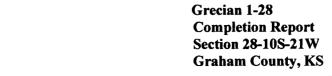
		Rains & Williamson Grecian #1 SW NW NW Sec. 28-T10S-R21W 2222' KB						
Formation	Sample tops	Datum	Ref	Log Tops	Datum			
Anhydrite	1696	+529	1700	+522				
B/Anhydrite	1741	+484	1740	+482				
Topeka	3250	-1025	flat	3249	-1024	+1	3247	-1025
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Lansing	3501	-1276	-3	3496	-1271	+2	3495	-1273
BKC	3733	-1508	-1	3729	-1507			
Arbuckle	3826 -1601 -4 3830 -1605 -8						3819	-1597
Total Depth	3890				3833			



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### Grecian #1-28 - New Well

11/28/06 RTD 3890', LTD 3892'. Murray csg crew drifted 5 ½" csg. TIH w/5 ½" auto fill guide shoe, 5 ½ x 21.35 shoe jt w/latch dwn baffle & 91 jts 15.5, J-55 8rd new LS Midwestern Pipe Works csg. Tagged btm @ 3890'. Set btm G.S @ 3888', insert 3865', Port Collar 1745' w/1 basket below port collar. Dropped ball & broke circ. Rotated & circulated 1 hr prior to cementing. RU Jet Star. Pumped 3 BFW, 12 bbl mud flush, 3 BFW, 155 sacks AA2 w/10% salt, 5# sack gilsonite, 8/10% FLA-322, 2/10% defoamer, .35% CFR. Started displacement w/73 BFW pumped quit rotation. Rotation getting tight. Pumped 92 BFW to land plug @ 1600# = 1100# over lift pressure. Plug dwn @ 6:15 A.M. & held 1600#. Released pressure float holding. Good circulating when cementing. Plugged RH & MH w/25 sacks 60-40 poz. Set slips in csg head. Scratchers: 3505-20', 3532-62', 3574-94', 3787-3802'

Centralizers: 3015', 3228', 3483', 3526', 3568', 3611', 3696', 3781', 3824', 3865'.

11/29/06 Waiting on completion rig.

11/30/06 Brought 8 5/8" connections to surface. Backfilled cellar & leveled location.

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12/01/06 MIRU #396.

12/02/06 RU Log Tech. Ran Sonic cement bond log, LTD 3863', TOC 2964', P.C. 1744'. SDOWE. Est Cost \$3800.00.

### Completion/Day 3

- 12/04/06 MI 2 3/8" tbg. RIH w/port collar tool. Found port collar @ 1744'. RU Jet Star. Press test to 1500#, held. Opened port collar. Pumped 3 BFW, had blow on 8 5/8". Mixed & pumped 175 sacks A-con w/3% CC. To circ cmt to surface. Witnessed by Rich Williams w/KCC. Closed port collar. Pressure test to 1500#, held. Ran tbg to 1891', circ clean w/20 BW. TOH w/tbg. SI csg. SDON. Est cost \$14,429.00
- 12/05/06 S/D csg to 3300'. RU Perf Tech. FL 3300', <u>Perforated 5 ½</u>" csg @ <u>3705-13 "K"</u>, <u>3582-90 "F-G"</u>, <u>3572-74 "E"</u>, <u>3538-41 "B"</u>, <u>all</u> 4 SPF EHSC. FL stayed @ 3300'. Had oil show on 3<sup>rd</sup> & 4<sup>th</sup> guns. RIH w/T.S. plug & cst pkr. Set plug 3739', set pkr 3668' isolating 3705-13. RIH w/swab. Tagged 2700' f/surface, 968' FIT, 450' oil on top. S/D to 3658' = 10' FIT. Made 4 pulls, rec 10' dirty wtr ea pull. SDON. Est cost \$23,904.00
- 12/06/06 Plug 3739', pkr 3668' isolating 3705-13 "K". Tagged fluid 2300' = 1368' FIT, 1358' overnight fillup, all wtr. S/D to 3658' = 10' FIT, rec 5 BTF. Ran pkr to 3713'. Tagged fluid 2300' f/surface. RU Swift Services. Pumped 250 gal 15% MCA to spot acid. Set pkr 3668'. Tbg loaded 2/10 late. Acid is on btm. Pressured to 200# 30 sec 100#. Staged in acid (2 hrs) max pressure 500# no steady rate. Displaced acid w/15 BW, 20 BTL. Let set 15 min 200#. Released pressured. S/D to 3648' = 20' FIT, rec 24.23 BTF, dirty wtr, no oil. Moved tools. Plug 3615', pkr 3555' isolating 3582-90 "F/G" & 3572-74 "E". Tagged fluid 2650' = 905' FIT. S/D to 2450'= 200' FIT. Last pull 50% oil, rec 5.50 bbl. Relased pkr & ran to 3591'. Tagged fluid 2775' = 816' FIH. Dumped 5 bbl 15% MCA to spot acid. Set pkr 3555'. Displaced acid w/14 BW. Treated 1.8 BPM vac, 20 BTL. Tagged fluid 2100' = 1455' FIT. S/D to 2800' = 755' FIT, rec 26.91 BTF. Last pull 75% oil. SDON. Est cost \$28429.00. Built tank battery pad.
- 12/7/06 Plug 3615', pkr 3555' isolating 3582-90' "F/G" & 3572-74' "E". Tagged fluid 2400' f/surface, 1155' FIT, 400' overnight fillup, 900' oil on top = 82% oil. Gravity 33 @ 54 deg. S/D to 2700' = 855' FIT, rec 5.85 BTF.

  1 hr test 6 PPH, FL @ 2725' = 830' FIT, rec 18.72 BTF, 73% oil.

  Released pkr & dumped acid off backside. Reset pkr. Made 1 pull w/swab off btm. RU Swift. Treated w/250 gal 15% MCA, 200# 4 bbl rock salt plug, 500 gal 15% MCA. Start 3 BPM 500# w/plug on btm 3 BPM 800# w/plug on btm reduced rate to 2 BPM 475#. Ending rate 1 ½ BPM 200#. Displaced acid w/15 BW, ISIP 0, 36 BTL. Let set 30 min. Tagged fl 2375' = 1180' FIT. S/D to 2775' = 780' FIT, rec 36.27 BTF. Last pull 50% oil.

  1 hr test 6 PPH, FL @ 2775' = 780' FIT, rec 16.38 BTF, 50% oil, 2/10% fines.

  Moved tools. Plug 3553', pkr 3514' isolating 3538-41' "B". Swabbed dry. Ran pkr to 3542'. Dumped 5 ½ bbl 15% MCA to spot acid on btm. Reset pkr 3514'. Treated w/250 gal 15% MCA. Displaced acid w/16 BW. Treated ½ BPM 400#, ISIP 200# 2 min to vac 22 BTL. Tagged fluid 200' f/surface. S/D to 2000' rec 12.87 BTF. SDON. Est cost \$34.099.00

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CONSERVATION DIVISION WICKITA, KS



Grecian 1-28 Completion Report Section 28-10S-21W Graham County, KS

12/8/06 Plug 3553', pkr 3514' isolating 3538-41. Tagged fluid 1475' = 2039' FIT, 525' overnight fillup. Still short 10 bbl of load, 250' oil on top = 12% oil. S/D to 2925' = 589' FIT, rec 16.38 BTF, 6 bbl over load.

1 hr test 6 PPH FL @ 2950' = 564' FIT, rec 12.87 BTF, 55% oil.

Released pkr, swabbed acid off backside. Reset pkr. Made 1 pull off btm. RU Swift, <u>Treated w/500 gal 15% MCA w/3%</u> solvent. Displaced acid w/15 BW. Treated 1 ¼ BPM 275# ISIP 200#, vac in 1 ½ min, 27 BTL. Tagged fluid 200' f/surface. S/D to 2750' = 764' FIT, rec 29.25 BTF.

1 hr test 6 PPH FL 2925' = 589' FIT, rec 14.04 BTF, 30% oil, 2/10% fines. TOH w/tbg & tools. RU Perf Tech. Set CIBP @ 3690'. Put 1 sack cmt on top of CIBP. SDOWE Est cost \$40,023.00

- 12/11/06 RIH w/new 2 3/8 x 3' perforated sub w/2 3/8" bull plug, new 2 3/8" SN, 4 jts 2 3/8" tbg, new 5 ½ x 2 3/8" Baker AC, 113 jts 2 3/8" tbg. Btm perf sub @ 3634.97', SN @ 3631.47', AC @ 3506.43' set w/12" stretch or 11,000# tension. RIH w/swab. Tagged fluid 2000' f/surface, 1631' FIH, 900' oil on top, 55% oil. S/D to 2500' = 1131' FIT, rec 30.42 BTF.

  1 hr test 6 PPH, FL @ 2500' = 1131' FIT, rec 24.51 BTF, 50% oil, 2/10% fines.

  RIH w/new 2 x 1 ½ x 14' RWTC, SV, SS PT, reg steel bbl, SS hold down, 4' SMP, 2' x ¾" sub, 144 ¾" new grade "D" rods. SDON. Est cost \$42,430.00
- 12/12/06 RIH w/6' x ¾" sub, 1 ¼ x 16' PR w/8' liner. Spaced out pump, longstroked, have good blow. Have in hole 1 ¼ x 16' PR w/8' liner, 6' x ¾" sub, 144 ¾" rods, 2' x ¾" sub, 2 x 1 ½ x 14' RWTC pump. Assembled wellhead connections. RDMO #396. Hess Services set new 10 x 15' fiberglass gun barrel, new 12 x 10 fiberglass salt wtr tank, 2 new 12 x 10 welded steel stock tanks & hooked up lines. Emptied swab tank & put oil & wtr in gun barrel. Est cost \$44,273.00 less tbg & rods.
- 12/13/06 Built pumping unit pad. Set & assembled new 114 Sentry unit. Hung unit onto polish rod & aligned in tbg.
- 12/14/06 65 JTF, 2016 FTF, 1613' FAP, static FL. Ditched, laid & backfilled 800' 2" PVC Sch 40. Hooked up line to well & gun barrel. Ditched & laid 960' electric line. Western Coop Electric set transformers & meter. Set 20 hp Teco motor & size II control panel. Started unit, wrist pin hitting belt guard, no way to adjust to keep wrist pin f/hitting, took off guard. POP. 7.79x64x1 ½, 108.13 BTF, 83% PE.
- 12/15/06 7.79x64x1 ½, 14.04 BO, 93.96 BW, 87% WTR, 108.00 BTF, NPF, 83% PE, 38.41 BOIS/1 well.
- 12/16/06 7.79x64x1.5, 25.20 BO, 75.60 BW, 75% WTR, 100.80 BTF, NPF, 77% PE, 40.08 BOIS/1 well.
- 12/17/06 7.79x64x1.5, 10.69 BO, 96.19 BW, 90% WTR, 106.88 BTF, NPF, 82% PE, 5.02 BOIS/1 well.

12/18/06 7.79x64x1 ½, 24.96 BO, 99.84 BW, 80% WTR, 124.80 TF, NPF, 96% PE, 21.71 BOIS/I well. Baker set drum of **CONFIDENTIAL** DMO8562 & hooked up to lead line.

12/19/06 7.79x64x1 1/2, 24.96 BO, 99.84 BW, 80% WTR, 124.80 TF, NPF, 96% PE, 23.38 BOIS/I well.

12/20/06 7.79x64x1 1/2, 23.38 BOIS/1 well.

12/21/06 7.79x64x1 ½, 18.36 BOIS/1 well.

12/22/06 7.79x64x1 ½, 21.29 BO, 85.16 BW, 80% WTR, 106.45 TF, NPF, 82% PE, 18.36 BOIS/1 well.

12/23/06 7.79x64x1 ½, 24.75 BO, 98.99 BW, 80% WTR, 123.74 TF, NPF, 95% PE, 21.71 BOIS/1 well.

12/26/06 7.79x64x1 ½, 21.32 BO, 85.27 BW, 80% WTR, 106.59 TF, NPF, 82% PE, 23.38 BOIS/1 well.

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CONSERVATION DIVISION WICKITA, KS

A Co-1



# TREATMENT REPORT

			'	14 C.												
Customer	11188	17U	,	Leas	se No.						Date					_
Lease	EC.	TIAM	/	Well	# /	/· <u> </u>	28					/2	2-4	-06		
Field Order #	Station	_//	195	2.1.	<b>5</b> .		Casing	2	Depth	1	County	2/0	AA	en e	State	15.
Type Job	0125	Col	UA	2-	Ni	1	/	For	rmation				Legal De	escription	8-10	1-21
PJPE	DATA	PER	RFORAT	ING D	ATA		FLUID I	JSED	- ***		T	REA	TMENT	RESUME		
Casing Size	Tubings	Shots/	/Ft			Acid	· · · ·				RATE	PRE	12/11/30	ISIP		
Depth	Depth	From		То		Pre l	Pad			Max		6	<u>-</u> @ າ ຄ.	5 Min.	_	
Volume	Volume	From		То		Pad				Min				LU OMin.		
Max Press	Max Press			То		Frac				Avg			FIDE	TRAIL.		
Well Connection	n Annulus V	ol. From		То						HHP Used	d			Annulus F		
Plug Depth	Packer De			То		Flusi	h			Gas Volun			/2	Total Load	d	
Customer Repr	esentative	50/1	W		Station	Mana	ger 5/0	OIN	Ŋ		Treat	er	roll	DUEL		
Service Units	120	228	34	6 2	570	<u>&gt;</u>									$\prod$	
Driver Names	16	Bost	361	14	211	in	K6	JU	0/4	An	1				$\bot$	
Time	Casing Pressure	Tubing Pressure	Bbls	. Pumpe	d		Rate					Servi	ce Log			
9930					$oldsymbol{\perp}$		·	1	W	100	MA	重	UN			
									<u> </u>				,			
1015	150	<u>)                                    </u>							152	5 72	551	<u> </u>	156	MG		
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					$\perp$			1	16)	U POR	16	<u>sl</u>	MAL	/	144	<u> </u>
					$\perp$			<u> </u>	<del>- 1. +</del>		9	<u> </u>		<del>7/)</del>		<del>-21</del>
020	20	<u> </u>	1 /	7_			<u> </u>	12	M	1. K	1972	3 -	16	MM:	10	OF
			1					-	=	10	11 -	1	<del>, /1 -</del>		-	
		300	1	0	-	<u>.                                    </u>	3	12	11	4/1/	1111	4	Ces	nen	//	
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JE	≥t⊆	5ta	31	Subject to (	~~~~*i~~	FIELD OF	RDER 1	5308
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G E			·	Customer Representa	itive TOKN	Treater	17 VeS Cos	W
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10Z44 N	⊏ niway 61 •	T.U. DOX 86	13 Pratt, NS 6	7124-8613 • (620)	0/2-1201 • Fax (	020) 0/2-5383	TOTAL	Printing, Inc. 620-672-3656



**SALES OFFICE:** 

100 S. Main Suite #607 Wichita, Ks. 67202 316-262-3699 316-262-5799 FAX **SALES & SERVICE OFFICE:** 

10244 NE. Hwy 61 P.O. Box 8613 Pratt, Ks. 67124-8613 620-672-1201 620-672-5383 FAX

**SALES & SERVICE OFFICE:** 

1700 S. Country Estates Rd. P.O. Box 129 Liberal, Ks. 67905-0129 620-624-2277 620-624-2280 FAX

## Invoice

Bill to	:	5873198	Invoice	Invo	oice Date	Order	Station
	MURFIN DRILLING CO INC		612018	1:	2/04/06	15308	Pratt
	P O BOX 130				Service De	escription	
	ITTLE CITY ISC (2642	,			Cem	ent	
	SED FOR NEWWEL			Lease		Well	Well Type
	OSED FOR	CIMO	•	Greciar	1	1-28	New Well
	APPROVED	DIVU		AFE		PO	Terms
			port	col	lar		Net 30
	CustomerRep				Tred	iter	
	John		•		Kevin C	ordley	
ID.	<u>Description</u>			<u>UOM</u>	Quantity	Unit Price	<u>Price</u>
D201	A-CON BLEND (COMMON)			SK	175	\$16.50	\$2,887.50 (T)

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<b>Quantity</b>	<u>Unit Price</u>	<u>Price</u>
D201	A-CON BLEND (COMMON)	SK	175	\$16.50	\$2,887.50 (T)
C310	CALCIUM CHLORIDE	LBS	609	\$1.00	\$609.00 (T)
C194	CELLFLAKE	LB	51	\$3.70	\$188.70 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	340	\$5.00	\$1,700.00
E107	CEMENT SERVICE CHARGE	SK	175	\$1.50	\$262.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1398	\$1.60	\$2,236.80
R204	CASING CEMENT PUMPER, 1501-2000' 1ST 4 HRS ON LOC	EA	1	\$1,376.00	\$1,376.00

Sub Total:

\$9,260.50

Discount:

\$1,481.34 \$7,779.16

Discount Sub Total: Graham County & State Tax Rate: 5.55%

\$171.81

(T) Taxable Item

Total:

\$7,950.97

**KCC** DEC 2 8 2006 CONFIDENTIAL

> RECEIVED KANSAS CORPORATION COMMISSION

> > DEC 2 9 2006

**CONSERVATION DIVISION** WICHITA, KS

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Allied Cementing Co., Inc P.O. Box 31

Russell, KS 67665

1

\*\*\*\*\*

Invoice Number: 105671

Invoice Date: 11/30/06

Sold Murfin Drilling Co. To: 250 N. Water, St. #300

Wichita, KS

67202

KCC
DEC 2 8 2006
CONFIDENTIAL

Cust I.D.:...: Murfin

P.O. Number..: Grecian 1-28

P.O. Date...: 11/30/06

Due Date.: 12/30/06 Terms...: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	150.00	SKS	10.6500	1597.50	Т
Gel	3.00	SKS	16.6500	49.95	${f T}$
Chloride	5.00	SKS	46.6000	233.00	${f T}$
Handling	158.00	SKS	1.9000	300.20	E
Mileage	60.00	MILE	14.2200	853.20	E
158 sks @>09 pe:	r sk per mi				
Surface	1.00	JOB	815.0000	815.00	E
Mileage pmp trk	60.00	MILE	6.0000	360.00	$\mathbf{E}$
Surface Plug	1.00	EACH	60.0000	60.00	Т

All Prices Are Net, Payable 30 Days Following
Date of Invoice. 1 1/2% Charged Thereafter.
If Account CURRENT take Discount of 426.88
ONLY if paid within 30 days from Invoice Date

Subtotal:
Tax....:
Payments:
Total. KANS

Subtotal: 4268.85

Tax...: 107.69
Payments: 0.00

Payments: RECEIVED 0.00
Total. KANSAS CORPORATION COMMISSION

DEC 2 9 2006

CONSERVATION DIVISION WICKITA, KS



# ALLIED CEMENTING CO., INC. 33430

MEAS. LINE SHOE JOINT  CEMENT LEFT IN CSG. 15'  PERFS.  DISPLACEMENT  EQUIPMENT  # 398 HELPER GARY  BULK TRUCK  # 378 DRIVER  DRIVER  POZMIX  GEL  3 @ 165 A49  ASC  WHORIDE  ASC  WHORIDE  FORMA  BULK TRUCK  CONFIDENTIAL  WHORIDE  CONFIDENTIAL  WHORIDE  CONFIDENTIAL  WHORIDE  WHANDLING  HANDLING  HANDLING  WHANDLING  W	REMIT TO "P.O. E RUSS	BOX 31 SELL, KANSAS 676	65		SER	VICE POINT:	eA
LEASTERECTION WELLS   -28 LOCATION   LOO STO CC AD. CHARGE TO LOO OLD OR NEW Circle one) (6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN Daly Right   6 W 4 3 INTO  CONTRACTOR MURFIN DAIL RIGHT   7 W 4 INTO  COMMON	DATE /1-20-0	28 10	21		ON LOCATION	8:30pm	9:00 Pm
CONTRACTOR MUNIFIC Dala Right W OWNER TYPE OF 10B SURFACE A  TO FOLE SIZE 12 44 T.D. AIO CASING SIZE 55/8 DEPTH APO TUBING SIZE DEPTH TUBING SIZE DEPTH TOOL DEPTH TO			LOCATIONPAICO	S To CC	RD.		KANSAS
PERFS.  DISPLACEMENT  EQUIPMENT  FUMPTRUCK  # 378 HELPER GARY  BULK TRUCK  # 378 DRIVER Doug  BULK TRUCK  # 275 DRIVER  HANDLING SA 0 192 300 28  REMARKS:  TOTAL 3033  SERVICE  DEPTH OF JOB  PUMPTRUCK CHARGE  EXTRA FOOTAGE  MILEAGE  MANIFOLD  TOTAL 1115 22  PLUG & FLOAT EQUIPMENT  TOTAL 1115 22  PLUG & FLOAT EQUIPMENT  TOTAL 1115 22  TOTAL 5032  TOTAL	CONTRACTOR TYPE OF JOB HOLE SIZE CASING SIZE TUBING SIZE DRILL PIPE TOOL PRES. MAX MEAS. LINE	Murfin Dal Surface '4 T.D 5/8 DEI DEI DEI MIC SHO	A Rig#16 ANO PTH ANO PTH PTH PTH NIMUM	CEMENT AMOUNT C  COMMON_ POZMIX	ordered ISO 3% EE 2% GeL	@ <u>1065</u>	<u> 1597,55</u>
PUMPTRUCK CEMENTER CLANA # 378 HELPER CARY BULK TRUCK # 378 DRIVER Doug  BULK TRUCK # ANDLING BULK TRUCK # BU		124			5_		233
# 398 HELPER GORY BULK TRUCK # 378 DRIVER Doug BULK TRUCK # DRIVER  HANDLING REMARKS:  REMARKS:  REMARKS:  TOTAL 3033  CHARGE TO: Multiply Dailing Co. Inc. STREET  CITY STATE  ZIP  PLUG & FLOAT EQUIPMENT  TO Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.    CONFIDENTIAL @	DISPLACEMENT	1-0-0		ASC			
DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE MANIFOLD  WANIFOLD  WAN	# 398 BULK TRUCK # 328 BULK TRUCK	CEMENTER SLA, HELPER GARY DRIVER Doug DRIVER		HANDLING	MFIDENTIAL  94/SK/	@@	300 22 853 23 3033
PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE MANIFOLD  ©  CHARGE TO: Murf'N Drilling Co, Inc.  STREET  CITY STATE ZIP  PLUG & FLOAT EQUIPMENT  TO Allied Cementing Co., Inc.  You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.  PUMP TRUCK CHARGE  ©  MANIFOLD  ©  FLUG & FLOAT EQUIPMENT  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL CHARGE  DISCOUNT  IF PAID IN 30 DAYS			7		SERVI	CE	
CHARGE TO: Murfin Drilling Co, Trc.  STREET		pr at	FRCWLATED	PUMP TRUG EXTRA FOO MILEAGE _	CK CHARGE DTAGE		360=
TOTAL	CHARGE TO A	Auge'u Daile	$\mathcal{A} \subset \mathcal{A}$			_@	·
To Allied Cementing Co., Inc.  You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.  TOTAL CHARGE  DISCOUNT  IF PAID IN 30 DAYS		TURE DELINE	ig Co, Inc.			TOTAL	47500
To Allied Cementing Co., Inc.  You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.  TOTAL CHARGE  DISCOUNT  IF PAID IN 30 DAYS	CITY	STATE	ZIP		PLUG & FLOAT	Γ EQUIPMEN	ľΤ
	You are hereby reand furnish ceme contractor to do ver done to satisfaction contractor. I have	equested to rent cen nter and helper to a work as is listed. The on and supervision e read & understand	ssist owner or ne above work was of owner agent or I the "TERMS AND	TAXTOTAL CHA	ARGE	@	6000
··· · · · · · · · · · · · · · · · ·	SIGNATURE _	I hay Ic	4.0			—— II FAL	



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DEC 2 8 2006

TREATMENT REPORT

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<b>Qu</b> stomer <u>f</u>	). D.	.11 .	Lease !	No. <del>1</del>	<del>C</del> O	NFIDEN	DateAL		
Lease	in Dr	uung (	Company Well #	, ,	ratea		-	- ) S	?-06
Field Order	recic * Station		<u> </u>	1-28	Depth .	70	County	$\frac{\alpha}{1}$	State I C
Field Order Type Job		Prat	t	34/2	Formation	3,886 °	Cr.	ahar	n 1 7.
Type Job	ong	ptring	g-Newl	Nell	Formation			78-	Scription 2   W
PIP	E DATA	PERF	ORATING DAT	A Cement	JSED		TREAT	TMENT F	RESUME
Gally Size	5 Tubing Siz	e Shots/F	t	1559	acksA	IA-2型	TF +PRES	535%	Friction Reduce
3,886	Depth	From	То	<b>**</b> 29	3 De foc	mer. 8	38 FLA	-322	102 Salt
42 49 B	b Volume	From	То	<u></u> 5Lb.	1sk.Gi	Monit	e		10 Min.
MªBOS P	<u> </u>	From	То	157	<u>5./Gal.</u>	<i>38.280</i>		k., 1.4	5tu.FT./sk.
Tluaco	on Annulus V	From	То	25 sach	s 60/4	HHP Used	oplug r	at	Annulus Pressure
	Packer De	From	To To	Flush92B		Sa Volume			Total Load
Customer Re	presentative "	John (	Serstner	tion Manager Dal	rid Sci	ott	Char	<u>ence N</u>	Messick
Service Units	119	228	34501						BECEIVED
Driver Names	Messich	McGuir	e Boles					KANSAS	CORPORATION COMMISSION
Time <i>[1.[</i>	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate			Servi	ce Log	DEC 2 9 2006
1:00			Cemente	nand Float	Equipme	ent on l	-ocati	on c	ONSERVATION DIVISION
2:15			Murfin [	Irilling sto	rt toru	n Auto	FillFlo	oat sh	wiching is
			Withlate	down bat	fle sci	rewedi	ntocolla	<u>ir</u> and	atotal of 92 its.
			new 15.5	6./Ft. 5/2	Casing.	Ran To	urboliza	erson	collars # 1, 2, 3, 5,
			8.9.10.16.	21. Ran Bas					Port collar on top
			of it. # 5	or 1.746.		nfrom s			<b>'</b>
3:30				Truckson	location	onand	hold so	afety	meeting.
4135				Casingin	well.Ci	rculate	and Ro	<u>state</u>	for 1 hour
5:30	300			6.	Start	Fresh H	O Pre-	Flust	١
	300 -	į.	3	6		AA 1 [			
	300 "	*	15	6	Start	Fresh H	O Space	er.	
			18		Stopp	ompina	Shut	inwe	11.
5:40	-0-		4-3	3	Plugra	tandm	ouse hol	es. C	pen Well.
5:49	300			5	Start	mixing	1555ac	ksAf	II. Ppen Well. 1-2 cement. Ell. Washpumpand well. cment.
			40		Stopi	oumpin	g. Shut	inwe	ell. Washoumpand
					lines.	Releas	eplug.	Open	well.
6:00	200			6.5	Start	Fresh	100i	splac	ement.
			75	5	Start	tolift	cement		
6:15	1,000		92		llvaa	own.			
	1,600				Pressu	reup.			
					Release	e pressu	re, Floa	+ Sho	e held
					Washi	ח שיום חי	truck.		++- <del></del>
1024	4 NE Hiw	av 61 • F	P.O. Box 861	3 • Pratt. KS	67124-861	3 • (620)	672-120	1 • Fax	(620) 672-5383

JE		5ta		Subject to	o Correction	FIELD OR	DER 1	5331
		CHVIC	TNE.	Lease Greci	an	Well # 1-28	28-10	5-21W
Date	18-06	Customer ID		County Grat	na m	State 5.	Station Pro	att
: Mur	fin D	cilling	Company		Formation 9160		Shoe Joint $21$	.35 F.T.
A R		· <i>J</i>	· /	573 15.5	Lb. 3,886	3,890′		ring-New W
G E				Customer Represen	5hn Gers	tner Clare	nce R. 1	lessick
		<del></del>		Materials 🗸	$\bigcap$	) of -		•
AFE Number	T. Bundina	PO Number		Received by	John	y seus	ne	т
Station Code	Product	QUANTITY	<del>                                     </del>	MATERIALS, EQUIPM	MENT and SERVICES	USED	UNIT PRICE	AMOUNT
5	10-205	1555	1 2 11:				KC	·C
	D-203	25 sk	60/40	Poz			2507	8 2006
<del>D</del>	C 105	1 1 - 1 1	<u> </u>	700			UEU 2	CAITIAI
F <sub>D</sub>	C-195	01011	F L H -	5 d d			CONFIL	ENTIAL
5	C-221	Bld Lb.	Dalt U	fine)	· · · · · · · · · · · · · · · · · · ·			
1 <sub>D</sub>	C-275	50Lb.	Defoar	ner .	D I			
<b>D</b>	C-244	77511	١ 👝 . ١		nReduce	<u>r</u>		
<u> </u>	C-221	1/5Lb	Gilson	ite				
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<del></del>	C-JUA	3005al	11109 5 1	usn		CORP(	RATION COMM	SSION
p						UEU.	2 9 2006	
<del>'p</del>	F-101	10ea.	Turbol	120r 51	<del>/ \1</del>	CONSERVA	TION DIVISION ITA, KS	
p <del>'</del>	F-121	lea.	Baske.		<u>a</u>		TIA, KS	
<del>'</del> Р	F-171	lea.	_	71 0	n Plug ar	d Baffle	51/211	
P	F-211				Shoe, 57		) J (d	
<del></del>	F-261	lea.	Cement	Port Co	ollar 57	<del></del>		
P	F-292	7ea.	Cement	Scratch	ers - Rota	ating Type		
·		, , , , ,		0 0. 31 011	10.0	ing Type		
P	E-100	340 mi.	HeavyV	ehicle Mi	leage, 1-	Way		-
P	E-101	170mi	Pickup	Mileage	1-Way	7		
P	E-104	11.428+11	1. Bulk D	elivery	•			
<u> P</u>	E-107	180 sk.	Cement	Service	Charge			
·	,							
<u> </u>	R-208	lea.	Cement	Pumper	: 3,501	-4,000		
_٢	R-701	lea.	Cement	Head R	ental			
<u>P</u>	R-702	leq.	Casing S	Swivel R	ental			
<u> </u>	F 292	40 89	Rotati	ing Scr	atchers	200ft		
			Discoun	ited Pri	ce=		+ \$	19.13/55
			Plusta	axes			Ψ	. •
10244 N	E Hiway 61 •	P.O. Box 86	13 • Pratt, KS 6	7124-8613 • (620 —	0) 672-1201 • Fax	(620) 672-5383	TOTAL	r Pfinting, Inc. 620-672-3656
							iayto	л станиц, mc. 620-672-3656



### **SALES OFFICE:**

100 S. Main Suite #607 Wichita, Ks. 67202 316-262-3699 316-262-5799 FAX

#### **SALES & SERVICE OFFICE:**

10244 NE. Hwy 61 P.O. Box 8613 Pratt, Ks. 67124-8613 620-672-1201 620-672-5383 FAX

### **SALES & SERVICE OFFICE:**

1700 S. Country Estates Rd. P.O. Box 129 Liberal, Ks. 67905-0129 620-624-2277 620-624-2280 FAX

# Invoice

Bill to	:	5873198	Invoice		oice Date	Order	Station	
	MURFIN DRILLING CO INC P O BOX 130 HILL CITY, KS 67642				1/28/06	15331	Pratt	
1			Service Description					
			Cement					
USED FOR <u>NEW was</u>				Lease		Well		_
				Grecia:	n /	1-28	New V	
	APPROVED	SMS	l And		rima		Net 3	_
	CustomerRep	<i>'</i>	1.00	U   0		ater	1100	,,
John Gerstner			Clarence Messick					
<u>ID.</u>	Description	<u></u>		<u>UOM</u>	Quantity	Unit Price	Price	<u> </u>
D205	AA2 (COMMON)		_	SK	155	\$15.90	\$2,464.50	(T)
D203	60/40 POZ (COMMON)	KC DEC 2 8	C	SK	25	\$10.30	\$257.50	(T)
C195	FLA-322	079	2006	LB	117	\$7.50	\$877.50	(T)
C221	SALT (Fine)	DEC 2 o	) / (MUU	GAL	812	\$0.25	\$203.00	(T)
C243	DEFOAMER	CONFID	ENTIAL	LB	30	\$3.45	\$103.50	(T)
C244	CEMENT FRICTION REDUCER	00.11		LB	52	\$6.00	\$312.00	(T)
C321	GILSONITE			LB	775	\$0.67	\$519.25	(T)
C302	MUD FLUSH			GAL	500	\$0,86	\$430.00	(T)
F101	TURBOLIZER, 5 1/2"			EA	10	\$74.20	\$742.00	(T)
F121	BASKET, 5 1/2"			EA	1	\$237.50	\$237.50	(T)
F171	LATCH DOWN PLUG & BAFFLE, 5 1	/2"		EA	1	\$250.00	\$250.00	(T)
F211	AUTO FILL FLOAT SHOE, 5 1/2"			EA	1	\$320.00	\$320.00	(T)
F261	CEMENT PORT COLLAR, 5 1/2"			EA	1	\$3,225.00	\$3,225.00	(T)
F292	CEMENT SCRATCHERS ROTATING	TYPE		EA	47	\$50.00	\$2,350.00	(T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	Y		MI	340	\$5.00	\$1,700.00	
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY		MI	170	\$3.00	\$510.00		
E104	PROPPANT / BULK DELIV SERVICE	S/TON MILE, \$	200 MIN	TM	1428	\$1.60	\$2,284.80	
E107	CEMENT SERVICE CHARGE			SK	180	\$1.50	\$270.00	
R208	CASING CEMENT PUMPER, 3501-4000' 1ST 4 HRS ON LOC		ON LOC	EA	1	\$1,680.00	\$1,680.00	
R701	CEMENT HEAD RENTAL			EA	1	\$250.00	\$250.00	
R702	CASING SWIVEL RENTAL			EA	1	\$150.00	\$150.00	

RECEIVED KANSAS CORPORATION COMMISSION Sub Total: \$19,136.55

Discount Sub Total:

\$3,061.85 \$16,074.70

DEC 2 9 2006

Graham County & State Tax Rate: 5.55%

Taxes: \$573.04

**CONSERVATION DIVISION** WICHITA, KS

(T) Taxable Item

Total:

Discount:

\$16,647.74



KCC
DEC 2 8 2013
CONFIDENTIAI

Re: Confidential Filing: ACO-1

Grecian #1-28

API #15-065-23251-0000

December 28, 2006

Kansas Corporation Commission Conservation Division 130 S Market, Room 2078 Wichita, Ks 67202

Attn: Rick Hesterman

Dear Rick:

Please find following the above referenced confidential filing for the Grecian 1-28. We have requested that this information be kept confidential for a two year period.

Let me know if you need any further information on this.

Sincerely,

Sue Brady

**Production Assistant** 

RECEIVED KANSAS CORPORATION COMMISSION

DEC 2 9 2006

CONSERVATION DIVISION WICHITA, KB