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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
City/State/Zip: Wichita, Kansas 67202
Purchaser:
Operator Contact Person: Susan Sears
Phone: (316) 267-3241
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Wes Hansen

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Designate Type of Completion:
✓ New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
✓ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ___ Original Total Depth: ___
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

4/14/06	4/26/06	8/2/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 025-21355-0000
County: Clark
C - SE - SE - Sec. 22 Twp. 30 S. R. 22 ☐ East ☑ West
560 S feet from (S) / N (circle one) Line of Section
800 E feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: FVB Well #: 1-22
Field Name: Wildcat
Producing Formation: Mississippi, Inola
Elevation: Ground: ___ Kelly Bushing: ___
Total Depth: 3800' Plug Back Total Depth: ___
Amount of Surface Pipe Set and Cemented at ___ Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from ___
feet depth to ___ w/ ___ sx cmt.

Drilling Fluid Management Plan AH I NH 8-28-08
(Data must be collected from the Reserve Pit)
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used ___
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: ___ License No.:
Quarter ___ Sec. ___ Twp. ___ S. R. ___ ☐ East ☐ West
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: Susan Sears
Title: Susan Sears, Operations Engineer Date: 8/3/06
Subscribed and sworn to before me this 3rd day of August, 2006.
Notary Public: Susan Brady
Date Commission Expires: 11-4-07

SUSAN BRADY
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp

KCC Office Use ONLY
Y Letter of Confidentiality Received
If Denied, Yes ☐ Date:
___ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

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Side Two

Operator Name: Murfin Drilling Company, Inc. Lease Name: FVB Well #: 1-22

Sec. 22 Twp. 30 S. R. 22 ☐ East ☑ West County: Clark

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

Dual Induction, Compensated Porosity, Microresistivity

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
SEE ATTACHED LIST		

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CASING RECORD ☐ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8	24#	685	Acon/Common	200/150	3% cc, 2% gel
Production		5 1/2	15.5#	5425	AA-2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
✓ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	5296-5306	500 gal15% MCA	
		1000 gal 15% NeFe	
4	5258-5264	500 gal 15% MCA	
		1000 gal XIA-25 gelled acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5215		☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
Shut In, Waiting on Gas Line	☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
				------	

Disposition of Gas: ☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled ___
☐ Other *(Specify)* ___

Production Interval

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FVB #1-22
Daily Drilling Report
Page two

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4/23/06 Depth 5325'. Cut 2'. DT: none. CT: 23 ¾ hrs. Dev.: 1 ¼° @ 5223'.

4/24/06 Depth 5355'. Cut 30'. DT: none. CT: 22 ¼ hrs. Dev.: none. **DST #2 5323-5355 (Mississippi):** 30-60-60-90. IF: BOB in 14 min.; FF: BOB in 18 min. Rec. 550' GIP, 25' M, 60' SLOCM (1% O). FP: 15/19, 25/23; SIP: 608-545; HP: 2601-2515. BHT 111°.

4/25/06 RTD 5428'. Cut 73'. DT: none. CT: 18 ¼ hrs. Dev.: 1 ½° @ 5428'. HC @ 3:15 p.m. 4/24/06. Log Tech logged from 10:00 p.m. 4/24/06 to 4:15 a.m. 4/25/06, LTD @ 5428'. Running prod. csg.

4/26/06 RTD 5428'. CT: 21 ½ hrs. Ran 5 ½" prod. csg. set @ 5425', cmt. w/150 sx. AA-2 plug down @ 12:30 a.m. 4/26/06 by Jet Star. Rig released @ 4:30 a.m. 4/26/06. FINAL REPORT.

	MDCI FVB #1-22 560 FSL 800 FEL Sec. 22-30-22 2362' KB						Harris O & G Co. #1-22 Blau 610 FSL 1525 FEL Sec. 22-30-22 2342' KB	
Formations	Sample Tops	Datum	Ref	Log tops	Datum	Ref	Log Tops	Datum
Waubunsee							3666	-1324
Heebner	4377	-2015	-1	4376	-2014	Flat	4356	-2014
Lansing	4572	-2210	-6	4570	-2208	-4	4546	-2204
Stark	4909	-2547	+1	4908	-2546	+2	4890	-2548
Hushpuckney	4944	-2582						
Marmaton				5025	-2663	+1	5006	-2664
Pawnee				5110	-2748	-3	5087	-2745
B/Inola	5266	-2904	Flat	5266	-2904	Flat	5246	-2904
Mississippi	5294	-2932	+27	5295	-2933	+26	5301	-2959
RTD	5428						5450	-3108
LTD				5428			5444	-3102

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FVB #1-22
Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #2

Valencia Prospect #3307

560 FSL 1650 FEL
Sec. 22-T30S-R22W
Clark County, Kansas

Contact Person: David Doyel
Phone number: 316-267-3241
Well site Geologist: Wes Hansen

Call Depth: 3300'
Spud: 10:15 a.m. 4/14/06

TD: 5428'

API #: 15-025-21356
Casing: 20" @ 85'
8 5/8" @ 685'
5 1/2" @ 5425'
Elevation: 2351' GL
2362' KB

DAILY INFORMATION:

4/12/06 MIRT. Won't spud until Friday. Crews have a safety meeting on Thursday.

4/13/06 Safety training today.

4/14/06 Mix mud & will spud today.

4/15/06 Depth 690'. Cut 605'. DT: 5 hrs. (WOC). CT: none. Dev.: 1° @ 690'. Spud @ 10:15 a.m. 4/14/06. Ran 16 jts. of 8 5/8" surf. csg. set @ 685', cmt. w/350 sx., 200 lead, 150 comm, plug down @ 2:00 a.m. 4/15/06, drilled out @ 2:00 p.m. 4/15/06, circ. by Jet Star.

4/16/06 Depth 1360'. Cut 670'. DT: 7 hrs. (WOC). CT: none. Dev.: none.

4/17/06 Depth 2470'. Cut 1110'. DT: 1 ½ hrs. (3/4 pump, ¾ R.C.). CT: none. Dev.: ¾° @ 1690'.

4/18/06 Depth 3180'. Cut 710'. DT: ¼ hr (pump). CT: none. Dev.: ½° @ 2698'.

4/19/06 Depth 3925'. Cut 745'. DT: none. CT: none. Dev.: 1° @ 3671'.

4/20/06 Depth 4545'. Cut 620'. DT: 1 ¾ hrs. (3/4 displace, ½ mix mud, ½ tight conn @ 4207'). CT: none. Dev.: none.

4/21/06 Depth 5000'. Cut 455'. DT: ¾ hr. (auto driller). CT: none. Dev.: ¾° @ 4740'.

4/22/06 Depth 5323'. Cut 323'. DT: none. CT: 3 ½ hrs. Dev.: none. **DST #1 5262-5323 (Mississippi):** 30-60-60-90. BOB in 75 sec., GTS in 19 min. on 1st flow 29 MCF; built to 65 MCF by end of 2nd flow. Rec. 75' GCM. FP: 30/37, 31/65; SIP: 1690-1700; HP: 2492-2485. BHT 111°.

4/23/06 Depth 5325'. Cut 2'. DT: none. CT: 23 ¾ hrs. Dev.: 1 ¼° @ 5223'.

4/24/06 Depth 5355'. Cut 30'. DT: none. CT: 22 ¼ hrs. Dev.: none. **DST #2 5323-5355 (Mississippi):** 30-60-60-90. IF: BOB in 14 min.; FF: BOB in 18 min. Rec. 550' GIP, 25' M, 60' SLOCM (1% O). FP: 15/19, 25/23; SIP: 608-545; HP: 2601-2515. BHT 111°.

4/25/06 RTD 5428'. Cut 73'. DT: none. CT: 18 ¼ hrs. Dev.: 1 ½° @ 5428'. HC @ 3:15 p.m. 4/24/06. Log Tech logged from 10:00 p.m. 4/24/06 to 4:15 a.m. 4/25/06, LTD @ 5428'. Running prod. csg.

4/26/06 RTD 5428'. CT: 21 ½ hrs. Ran 5 ½" prod. csg. set @ 5425', cmt. w/150 sx. AA-2 plug down @ 12:30 a.m. 4/26/06 by Jet Star. Rig released @ 4:30 a.m. 4/26/06. FINAL REPORT.

	MDCI FVB #1-22 560 FSL 800 FEL Sec. 22-30-22 2362' KB						Harris O & G Co. #1-22 Blau 610 FSL 1525 FEL Sec. 22-30-22 2342' KB	
Formations	Sample Tops	Datum	Ref	Log tops	Datum	Ref	Log Tops	Datum
Waubunsee							3666	-1324
Heebner	4377	-2015	-1	4376	-2014	Flat	4356	-2014
Lansing	4572	-2210	-6	4570	-2208	-4	4546	-2204
Stark	4909	-2547	+1	4908	-2546	+2	4890	-2548
Hushpuckney	4944	-2582						
Marmaton				5025	-2663	+1	5006	-2664
Pawnee				5110	-2748	-3	5087	-2745
B/Inola	5266	-2904	Flat	5266	-2904	Flat	5246	-2904
Mississippi	5294	-2932	+27	5295	-2933	+26	5301	-2959
RTD	5428						5450	-3108
LTD				5428			5444	-3102

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waiting on line

FVB #1-22
Completion Report
Section 22-30S-22W
Clark County, KS

04/25/06 MDC's Rig #2 ran 8 jts used 5 ½" 15.5# LT+C 8rd Rge 3 csg. And 121 jts. New 5 ½" 15.5# LT+C 8rd Rge 3 Maverick MAV 50 csg. Csg crew drifted csg broke circ @ 2700' while TIH. Circulated 30 mins. RTD 5428'. LTD 5428'. Tagged TD @ 5426. Landed bottom of GS @ 5425'. Insert @ 5834.52' Scratched from 5201-56'. RU Acid Service LLc. Rotated and circ. For 1 hr prior to cementing. Plugged rat hole w/ 15 sx cmt. Plug mousehole w/ 10 sx cmt. Pumped 3 bbl H2O spacer. 12 bbls superflush, 3 bbl H2O spacer followed w/150 sx AA-2 cmt containing 10% salt. .8% FLA-322, .1% defoamer, .75% gas-block and 5# per sk gilsonite. Displaced w/128 BFW. Plug landed w/1500 psi. Rls'd back, held. Plug down @ 12:15 a.m. 4/26/06. Landed csg in slips.
G.S. @ 5423': Insert @ 5384.52', Shoe jt = 40.48' scratchers: (5201-56')
Centralizers: 1st jt 5384.52'/3rd jt 5305.95'/5th jt 5226.62'/7th jt 5147.49'/9th jt 5065.15'/11th jt 4980.12'/13th 4895.09'/15th 4809.71'/17th 4724.50'/19th 4639.90'.

04/28/06 Took 5 ½ slip on collar to well. Waiting on Completion

05/01/06 H & M Welding welded 5 ½ slip on collar @ csg.

05/15/06 RU Log-Tech w/ portable mast & 5 ½ csg run cmt bond log. TOC 4578', plug @ 5385'.

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FVB #1-22 (Completion Day #1)

07/14/06 Best Well Service RU swab @ 5 ½ csg. Swab water to pit. Plug @ 5384'. Clark water truck dumped 8 bbls 4% KCL water down csg. SI well. SDOWE.

FVB #1-22 (Completion Day #2)

07/17/06 RU Log-Tech perforate Mississippi Zone 5296-5306' w/ 4 spf EHSC. RIH w/ 2 3/8" x 5 ½ Model R pkr, SN, 161 jts, 2 3/8" tbg, 8' x 6' x 2 3/8 subs. Set pkr @ 5264' & SN @ 5261'. SI well. SDON due to heat. Gyp Hills RO deliver 28 jts 2 3/8" tbg from Eubank Trust 1-7 lease 7/14/06. Fritzler Trucking deliver 153 jts New Persico 2 3/8" tbg 4.7 7/14/06.

FVB #1-22 (Completion Day #3)

07/18/06 1000# tbg blow well down. RU tbg swab fl @ 4800', SN @ 5261', 461 FIH. 2 runs dry. RU Jetstar @ 2 3/8" tbg acidize Mississippi zone 5296-5306' w/ 500 gal 15% MCA + 3% Anionic surfactant + 3% miscible solvent. Flush w/22 bbls 4% KCL wtr. Total load 34 bbls Max rate 6.4 bpm & max psi 3200#. ISIP 350#, 5 min 25#, 10 min vac wait 1 hr. RU tbg swab fl @ 500'.

1st hr	fl 500'	4 RPH	4 BW	4761 FIH
2nd hr	fl 500'		6 BW	4761 FIH
3rd hr	fl 500'		6 BW	4761 FIH
4th hr	fl 500'		6 BW	4761 FIH
5th hr	5000' 2nd run dry		1 BW	261 FIH
6th	6# tbg & 5/8 choke 210 mcf for 1 hr. SI well SDON.			

FVB #1-22 (Completion Day #4)

7/19/06 1320# tbg blow well down. RIH w/ tbg swab. No fl in tbg. SN @ 5261'. RU flowline to swab tank 6# tbg w/ 5/8 choke 210 mcf for 3 hrs. RU Jet Star @ 2 3/8" tbg reacidize Mississippi zone 5296-5306' w/1000 gals 15% NEFE gel HCL w/2 gal surfactant & solvent. Flush w/ 22 bbls 4% KCL wtr. Total load 46 bbls max rate 7.2 bpm, max psi 3000#. ISIP 350#, 5 min 150#, 10 min vac. Wait 1 hr. RU tbg swab fl @ 300'.

1st hr	fl 300'	4 RPH	11BW
2nd hr	fl 300'	4RPH	11 BW
3rd hr	fl 300'	4 RPH	11 BW
4th hr	Dry		
5th hr	6# tbg & 5/8 choke 210 mcf for 1 hr		
6th	0# tbg recovered 33 bbls fl SI well SDON		

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FVB #1-22
Completion Report
Section 22-30S-22W
Clark County, KS

FVB #1-22 (Completion Day #5)

7/20/06 1200# tbg blow well down. RU flowline to swab tank.

1st hr	9# tbg	5/8 choke 1 BW	
2nd hr	6# tbg		1 BW
3rd hr	RU tbg swab fl @ 4100'		3 RPH
4th hr		fl@ 3800'	
5th hr		fl @ 3800'	
6th		fl @ 3800'	1 BW
7th hr	dry		½ BW
8th hr	dry		½ BW

0# tbg 6 BW total. SI well. SDON.

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FVB #1-22 (Completion Day #6)

7/21/06 1120# tbg, FL @ 4100', 1161' FIH. Blew well dwn, released pkr TOH w/2 3/8" tbg , SN & pkr. Clarke wtr truck dumped 10 bbls 4% KCL wtr. RU Log Tech, 5 ½" csg, perf'ed Inola zone 5258-64', 4 spf EHSC. Set RBP w/wire line @ 5285'. TIH w/Model R pkr, SN & 160 jts 2 3/8" tbg 5214'. SN @ 5215', pkr 5220'. RU tbg swab, FL 4500' made 2 runs dry, rec 2 ½ BW. Waited 2 hrs, FL 5135', 80' FIH. SI well. SDOWE.

FVB #1-22 (Completion Day #7)

7/24/06 #2 tbg, RU tbg swab, FL 5000', 215' FIH. Released pkr, RIH w/1 jt 2 3/8" tbg, 8'-6' x 2 3/8" subs to 5265'. Inola zone perfs @ 5258-64'. Swabbed tbg dry. TOH w/1 jt tbg & subs, set pkr @ 5220', SN 5215'. RU JetStar, acidized Inola zone w/500 gals 15% MCA + 3% anionic surfactant + 3% miscible solvent, flushed w/22 bbls 4% KCL wtr, Max psi 3300, Max rate 6.1 BPM, ISIP 1200 psi, 5 mins 1000 psi, 10 mins 875 psi, 15 mins 790 psi. Waited 1 hr, total load 34 bbls. RU tbg swab, FL 100'

1st hr FL 100', 4 RPH, 11 BW
2nd hr FL 800', 4 RPH, 11 BW, 4th run dry, waited 1 hr
3rd hr FL 5000', 2 RPH, 2 BW, 215' FIH
4th hr FL 5100', 2 RPH, .50 BW, 115' FIH
5th hr FL 5100', 2 RPH, .50 BW, 115' FIH
6th hr FL 5100', 2 RPH, 0 BW, 115' FIH, rec 25 bbls, oil trace & slight gas blow. SI well. SDON.

FVB #1-22 (Completion Day #8)

7/25/06 Tp 55#, 4700 FTF, 500' FI tbg, rec 1 bbl 20% oil. 2nd run 100', 15% oil, no blow

1st hr 1 pull, 189' FI tbg, 16% oil
2nd hr 1 pull, 150' no FL to surface
3rd hr 1 pull, 150', no FL to surface. RU Jet Star, released pkr couldn't go dwn w/pkr, moved up hole 90' attempting to release pkr, no luck. Set pkr @ 5128', perfs 5258-64', treated w/1000 gals 15% XIA-25 gelled acid. Acid on perfs 7 BPM @ 2950#, displaced w/24 bbls KCL wtr, ISIP 300#, 5 mins 100#, 10 mins 50#, 15 mins 25#. Total load 48 bbls. Ran tbg swab, 300 FTF,

S/D rec 42 bbls acid wt w/5% oil , fair blow after ran 700' FI tbg. SI. SDON. This a.m. 1260# on tbg, unloading fluid to frac tank.

FVB #1-22 (Completion Day #9)

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7/26//06 1260# tbg. RU tbg swab, FL 3800'

1st hr FL 3800', 4 RPH, 2 BW
2nd hr FL 4000', 4 RPH, 5 BW
3rd hr, FL 4300', 4 RPH, 1 BW
4th hr FL 4300', 1 RPH, no fluid to surface
5th hr FL 4300', 1 RPH, no fluid
6th hr FL 4300', 1 RPH, no fluid
7th hr FL 4300', 2 RPH, 2 BW released pkr, RIH w/1 jt 2 3/8" tbg, 8'-6' subs to 5265', FL 4900, 2 RPH, 1 BW, tbg vac, 120# csg. Blew well dwn, laid dwn tbg subs, SN @ 5251', perfs 5258-64'. RU wellhead. SI well. SDON.

FVB #1-22
Completion Report
Section 22-30S-22W
Clark County, KS

FVB #1-22 (Completion Day #10)

7/27//06 340 tbg, 880 csg, flow test w/5/8" choke
1st hr 25 tbg, 180 csg, 399 mcf, 4 BW, SN @ 5260
2nd hr 0 tbg, 170 csg, 0 mcf, 0 BW
3rd hr SI f/1 hr changed out choke
4th hr 50 tbg, 240 csg, 3/8" choke
5th hr 8 tbg, 260 csg, 78 mcf
6th hr 7 tbg, 300 csg, 75 mcf
7th hr 5 tbg, 330 csg, 68 mcf
8th hr 5 tbg, 360 csg, 68 mcf. TOH w/1 jt tbg, SN @ 5215', perfs 5258-64'
9th hr 25 tbg, 390 csg, 136 mcf
10th hr 25 tbg, 380 csg, 136 mcf
11th hr 23 tbg, 380 csg, 129 mcf
12th hr 20 tbg, 400 csg, 119 mcf. SI well. SDON.

FVB #1-22 (Completion Day #11)

7/28/06 875# tbg & 800# csg. Flow test to swab tank..

1st hr	220# tbg	430# csg	3 ½" BW 799 mcf	
2nd hr	50# tbg	280# csg	½ BW	221 mcf
3rd hr	20# tbg	290# csg	0 BW	119 mcf
4th hr	20# tbg	300# csg	0 BW	112 mcf
5th hr	12# tbg	315# csg		112 mcf
6th hr	7# tbg	350# csg		75 mcf
7th hr	7# tbg	250# csg		75 mcf

8th hr SI for 1 hr. 260# tbg, 400# csg blow well down. RU tbg swab fl @ 4250' made 3 runs. 2 BW. 1st run 9% oil, 2nd run 10% oil, 3rd dry.

15# tbg	270# csg	102 mcf
2# tbg	120# csg	58 mcf

SI well. SDOWE. Recovered 6 BW total.

FVB #1-22 (Completion Day #12)

7/31/06 1150# tbg & csg. Flow test to swab tank..

1st hr	210# tbg	380# csg	2 BW	765 mcf
2nd hr	45# tbg	300# csg	0 BW	204 mcf
3rd hr	25# tbg	200# csg	0 BW	136 mcf
4th hr	20# tbg	300# csg	0 BW	119 mcf

Blow well down RIH w/ tbg & pkr latch on & release RBP. Set pkr @ 5285' & SN @ 5280'. Mississippi perfs @ 5296-5306'. RU tbg swab fl @ 5150', 3 runs 3 BW & 75# csg. SI well for 1 hr

1st hr	200# tbg	120# csg	731 mcf
2nd hr	225# tbg	130# csg	816 mcf
3rd hr	2# tbg	170# csg	58 mcf

RU tbg swab fl @ 4700' 4 RPH, 4 BW, SI well. SDON. 0# tbg, 170# csg

FVB #1-22 (Completion Day #13)

8/01/06 720# tbg & csg. Flow test to swab tank..

1st hr	110# tbg	340# csg	1 BW	425 mcf
2nd hr	28# tbg	245# csg		146 mcf
3rd hr	10# tbg	265# csg		85 mcf
4th hr	10# tbg	320# csg		85 mcf
5th hr	2# tbg	350# csg		58 mcf
6th hr	5# tbg	380# csg		68 mcf

Blow well down TOH w/ tbg to 640' set pkr load csg w/5 BW. Welded hole @ 5 ½ csg collar. Release pkr. TOH w/ tbg, SN & Model R pkr. RBP fell down hole. Will fish tomorrow. SI well. SDON.

FVB #1-22
Completion Report
Section 22-30S-22W
Clark County, KS

FVB #1-22 (Completion Day #14)

8/02/06 TIH w/ overshot & 2 3/8 tbg fish RBP. TOH w/ tbg & RBP. TIH w/ SN, 160 jts 2 3/8" tbg. SN @ 5215'. Perfs @ 5258-5264', 5296 & 5306'. PBTD 5435' RU wellhead. RDMO

ACID SERVICES, LLC

SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 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: 5873197

MURFIN DRILLING
Box 288
Russell, KS 67605

KCC
AUG 04 2006
CONFIDENTIAL

Invoice	Invoice Date	Order	Station
604161	4/25/06	12589	Pratt

Service Description
Cement

Lease	Well	Well Type
FVB	1-22	New Well

AFE	PO	Terms
		Net 30

CustomerRep	Treater
K. Axelson	K. Gordley

ID.	Description	UOM	Quantity	Unit Price	Price
D205	AA2 (COMMON)	SK	150	$15.37	$2,305.50 (T)
D203	60/40 POZ (COMMON)	SK	25	$9.82	$245.50 (T)
C195	FLA-322	LB	113	$7.50	$847.50 (T)
C221	SALT (Fine)	GAL	782	$0.25	$195.50 (T)
C321	GILSONITE	LB	749	$0.60	$449.40 (T)
C194	CELLFLAKE	LB	36	$3.41	$122.76 (T)
C243	DEFOAMER	LB	15	$3.45	$51.75 (T)
C312	GAS BLOCK	LB	106	$5.15	$545.90 (T)
C303	SUPER FLUSH	GAL	500	$2.45	$1,225.00 (T)
F101	TURBOLIZER, 5 1/2"	EA	10	$74.20	$742.00 (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)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	140	$4.00	$560.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	70	$2.50	$175.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, $200 MIN	TM	571	$1.60	$913.60
E107	CEMENT SERVICE CHARGE	SK	175	$1.50	$262.50
R211	CASING CEMENT PUMPER, 5001-5500' 1ST 4 HRS ON LOC	EA	1	$1,943.00	$1,943.00
R701	CEMENT HEAD RENTAL	EA	1	$250.00	$250.00
R702	CASING SWIVEL RENTAL	EA	1	$150.00	$150.00
S100	FUEL SURCHARGE		1	$118.43	$118.43

USED FOR New Well Cmt
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Sub Total:	$11,673.34
Discount:	$2,080.54
Discount Sub Total:	$9,592.80
Clark County & State Tax Rate: 5.30% *Taxes:*	$317.98
(T) Taxable Item *Total:*	$9,910.78

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

JetStar ENERGY SERVICES INC.

ACID SERVICES, LLC

FIELD ORDER 12589

Date	Lease	Well #	Legal
4-25-06	FVB	1-22	22-30-22
Customer ID	County	State	Station
	CLARK	KS.	PRATT, KS
Depth	Formation	Shoe Joint	
		41'	
Casing	Casing Depth	TD	Job Type
5½	5427'	5428'	LONGSTRING-NW
Customer Representative	Treater		
KEVIN	GODDLEY		

MURFIN DRILLING CO.

FE Number | PO Number | Materials Received by X Kevin Axelson

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING CORRECTION	ACCOUNTING AMOUNT
205	150 SK.	AA2 CEMENT	—			
203	25 SK.	60/40 POZ	—			
195	113 lb.	FLA-322	—			
221	782 lb.	SALT	—			
321	749 lb.	GILSONITE	—			
194	36 lb.	CELLFLAKE	—			
243	15 lb.	DEFOAMER	—			
312	106 lb.	GAS BLOK	—			
303	500 gal.	SUPERFLUSH	—			
101	10 EA.	5½ TURBOLIZER	—			
171	1 EA.	5½ LATCH DOWN PLUG	—			
211	1 EA.	5½ FLOAT SHOE	—			
100	140 mile	TRUCK MILE.				
101	70 mile	PICKUP MILE.				
104	571 TM	BULK DELIVERY				
107	175 SK.	CMT. SERV. CHARGE				
211	1 EA.	PUMP CHARGE				
701	1 EA.	CEMENT HEAD				
702	1 EA.	CASING SWIVEL				
		PRICE =		9474.37		
					TOTAL	

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0244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383

ACID SERVICES, LLC

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TREATMENT REPORT

Customer: MURFIN	Lease No.:	Date: 4-25-06	
Lease: FVB	Well #: 1-22		
Field Order #: 12589	Station: PRATT, KS.	Casing: 5½ / Depth: 5427	County: CLARK / State: KS
Type Job: CONCESTRING - NW	Formation: TD-5428	Legal Description: 22-30-22	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 5427	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 5386	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: KEVIN	Station Manager: SCOTT	Treater: GORDON	
Service Units	129 / 305 / 402 / 346 / 571		
Driver Names	KG / JOHN / STEPHEN		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1600					ON LOCATION
					RUN 540' 5½ CSG - 130 JTS
					FLOAT SHOE, LATCH BAFFLE 1st COLLAR
					CENT. - 1-3-5-7-9-11-13-15-17-19
					SCRATCHERS - JT. #5 - JT #6
2230					TAG BOTTOM - DROP BALL - CIRC.
					ROTATE CASING
2330	300		3	6	PUMP 3 bbl H2O
	300		12	6	PUMP 12 bbl SUPERFLUSH
	300		3	6	PUMP 3 bbl. H2O
	200		38	6	MIX 150 SK. AA2 8/10% FLA-322,
					10% SALT, 1/10% DEFOAMER, 3/4%
					GAS BLOK, 1/4# CELLFLAKE, 5# GILSONITE
					STOP - WASH LINE - DROP PLUG
	0		0	7	START DISP.
	200		100	7	LIFT CEMENT
	750		123	4	SLOW RATE
0015	1500		128	3	PLUG DOWN - HELD
					PLUG RH & MH - 25 SK. 60/40 POZ
0100					JOB COMPLETE - THANKS - KEVIN

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ACID SERVICES, LLC

SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 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
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Invoice

Bill to: 5873197

MURFIN DRILLING
Box 288
Russell, KS 67605

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Invoice	Invoice Date	Order	Station
604081	4/13/06	12472	Pratt

Service Description: Cement

Lease	Well	Well Type
FVB	1-22	New Well

AFE	PO	Terms
		Net 30

CustomerRep	Treater
J. Stuckey	B. Drake

ID.	Description	UOM	Quantity	Unit Price	Price
D201	A-CON BLEND (COMMON)	SK	200	$15.39	$3,078.00 (T)
D200	COMMON	SK	150	$14.00	$2,100.00 (T)
C310	CALCIUM CHLORIDE	LBS	987	$1.00	$987.00 (T)
C194	CELLFLAKE	LB	89	$3.41	$303.49 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	$88.90	$88.90 (T)
F103	CENTRALIZER, 8 5/8"	EA	1	$90.00	$90.00 (T)
F123	BASKET, 8 5/8"	EA	2	$332.50	$665.00 (T)
F233	FLAPPER TYPE INSERT FLOAT VALVES, 8 5/8"	EA	1	$275.00	$275.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	120	$4.00	$480.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	60	$2.50	$150.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, $200 MIN	TM	987	$1.60	$1,579.20
E107	CEMENT SERVICE CHARGE	SK	350	$1.50	$525.00
R202	CASING CEMENT PUMPER, 501-1,000' 1ST 4 HRS ON LOC.	EA	1	$924.00	$924.00
R701	CEMENT HEAD RENTAL	EA	1	$250.00	$250.00
S100	FUEL SURCHARGE		1	$117.83	$117.83

Cement Surface Csg

AND FOR New Well Drilling

APPROVED

Sub Total:	$11,613.42
Discount:	$2,069.21
Discount Sub Total:	$9,544.21
Clark County & State Tax Rate: 5.30% Taxes:	$330.48
(T) Taxable Item Total:	$9,874.69

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

JetStar ENERGY SERVICES INC.

ACID SERVICES, LLC

FIELD ORDER 12472

Subject to Correction

Date	Lease	Well #	Legal
4-13-06	FVB	1-22	22-30s-22w
Customer ID	**County**	**State**	**Station**
	Clark	Ks.	Pratt

CHARGE: Murfin Drilling Company Inc.

Depth	Formation	Shoe Joint
		42.17

Casing	Casing Depth	TD	Job Type
8 5/8	689	690	8 5/8 S.P. New Well

Customer Representative: Jeremy Stucky

Treater: Bobby Drake

AFE Number:

PO Number:

Materials Received by X [signature]

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING CORRECTION	ACCOUNTING AMOUNT
D201	200sk	A-Con Blend	—			
D200	150sk.	Common	—			
C310	987lb.	Calcium Chloride	—			
C194	89lb.	Cellflake	—			
F163	1ea.	Wooden Cement Plug, 8 5/8	—			
F103	1ea.	Centralizer, 8 5/8	—			
F123	2ea.	Basket, 8 5/8	—			
F233	1ea.	Flapper-Type Insert Float Valve, 8 5/8	—			
E100	120mi.	Heavy Vehicle Mileage				
E101	60mi.	Pickup Mileage				
E104	987tm.	Bulk Delivery				
E107	350sk.	Cement Service Charge				
R202	1ea.	Cement Pump, 501'-1000'				
R701	1ea.	Cement Head Rental				
		Discounted Price	9426.38			

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TOTAL

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ACID SERVICES, LLC

TREATMENT REPORT

Customer: Mur-Ar Drilling Co.	Lease No.	Date: 4-13-06	
Lease: FUB	Well #: 1-22		
Field Order #: 12472	Station: Pratt	Casing: 8 5/8	Depth
County: Clark	State: Ks.		
Type Job: 8 5/8 S.P. New Well	Formation	Legal Description: 22-32s-22w	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	Lead Cmt.	~~Acid~~ 200 sk. A-Con	RATE	PRESS	ISIP
Depth 689	Depth	From	To	Pre Pad 2.56 ft³	Max		5 Min.
Volume 36.5	Volume	From	~~Tail Cmt~~	~~Pad~~ 150 sk. Common	Min		10 Min.
Max Press 1000	Max Press	From	To	Frac 1.23 ft³	Avg		15 Min.
Well Connection F.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 687	Packer Depth	From	To	Flush 42 Bbl	Gas Volume		Total Load

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Customer Representative: Jeremy Study | Station Manager: Dave Scott | Treater: Bobby Drake

Service Units	123	226	347/501							
Driver Names	Drake	Anthony	Boles							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 P.M.					On Location - Safety Meeting
11:15					Run Csg. - 16 jts. of 24# 8 5/8
12:40					Csg. on Bottom
12:45					Hook up to Csg. - Break Circ. w/ Rig
1:02	100		5	5.0	H2O Ahead
1:03	100		94	5.0	Mix Lead Cement @ 12.0#/gal
1:21	100		33	4.0	Mix Tail Cement @ 15.6#/gal
1:30					Release Plug
1:32	100			5.0	Start Disp.
1:40	500		42		Plug Down
1:50	500				Insert Did not Hold - Shut In @ Wellhead
					Circulation Thru Job
					Circulated 10 Bbl. Cement to Pit
					Job Complete
					Thanks, Bobby

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08/04/08

MURFIN DRILLING CO., INC.

CONTRACTORS AND PRODUCERS

August 4, 2006

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

Re: **Confidential Filing** : ACO-1
API #15-025-21355-0000
FVB 1-22

Attn: Rick Hesterman

Dear Rick:

Please find following the above referenced confidential filing for the FVB #1-22.
This well is Shut In, waiting on gas line. A revised ACO-1 will be sent upon date of first production. 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. Thanks for all your help!

Sincerely,

Sue Brady

Sue Brady
Production Assistant

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KCC WICHITA

250 N. WATER, SUITE 300 • WICHITA, KANSAS 67202 • 316/267-3241