

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

CONFIDENTIAL WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
City/State/Zip: Wichita, Kansas 67202
Purchaser: Eagwing
Operator Contact Person: Tom W. Nichols
Phone: (316) 267-3241
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Kris Kennedy

API No. 15-179-21123-0000
County: Sheridan
E2 NE NE Sec. 14 Twp. 9 S. R. 26 East West
630 N feet from S / N (circle one) Line of Section
160 E feet from E / W (circle one) Line of Section

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Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Popp-Borger Unit Well #: 1-14
Field Name: Wildcat

Producing Formation: Mississippi
Elevation: Ground: 2644 Kelly Bushing: 2649
Total Depth: 4200 Plug Back Total Depth: 4200
Amount of Surface Pipe Set and Cemented at 311 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2320 Feet
If Alternate II completion, cement circulated from 2320
feet depth to surface w/ 200 sx cmt.

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____
1/17/05 1/25/05 3/11/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan ALT II W/H
(Data must be collected from the Reserve Pit) 6-5-07
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.: _____

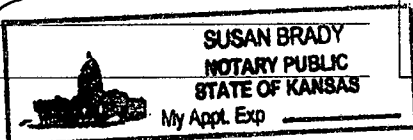
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: [Signature]
Title: Tom Nichols, Production Manager Date: 2005

Subscribed and sworn to before me this 18th day of April, 2005.

Notary Public: Susan Brady
Date Commission Expires: 11-4-07



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

Operator Name: Murfin Drilling Company, Inc. Lease Name: Popp-Borger Unit Well #: 1-14
 Sec. 14 Twp. 9 S. R. 26 East West County: Sheridan

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction, Dual Compensated Porosity, Microresistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum SEE ATTACHED LIST <div style="text-align: center; font-size: 2em; font-weight: bold;">KCC</div> <div style="text-align: center; font-size: 1.5em;">18 2005</div> <div style="text-align: center; font-size: 2em; font-weight: bold; border: 1px solid black; padding: 5px;">CONFIDENTIAL</div>
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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		311	Common	200	3% cc, 2% gel
Production		5 1/2		4199	AA-2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2320	SMD	200	3%cc, 1/4# cel flake per sack

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4 SPF	4090-92, 4070-72, 4051-53, 4028-30	2250 gal 15% MCA	
4 SPF	3974-78, 3938-40, 3897-3902, 3880-82	1000 gal 15% MCA	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	4127		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
3/12/05		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	50	----	48	-----

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease
 Open Hole Perf. Dually Comp. Commingled _____
(If vented, Submit ACO-18.)
 Other (Specify) _____

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1/25/05

RTD 4200'. CT: 19 hrs. Log Tech finished logging @ 10:45 a.m. 1/24/05. Ran 99 jts. = 4207' of 5 1/2" prod. csg. set @ 4199', cmt. w/150 sx. AA-2 plug down @ 10:00 p.m. 1/24/05 by Acid Services, port collar @ 2345', 15 sx. in RH, 10 sx. in MH. Rig released @ 2:00 a.m. 1/25/05. **FINAL REPORT.**

MDCI Popp-Borger Unit #1-14 630 FNL 160 FEL Sec. 14-T9S-R26W 2649' KB							Yucca Petroleum Company #1 Popp NE NW SE Sec. 11-T9S-R26W 2614' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2315	+334	-2	2313	+336	Flat	2278	+336
B/Anhydrite	2350	+299	-4	2348	+301	-2	2311	+303
Neva	3217	-568	+13	3222	-573	+8	3195	-581
Topeka	3638	-989	+11	3649	-1000	flat	3614	-1000
Heebner	3850	-1201	+7	3856	-1207	+1	3822	-1208
Toronto	3871	-1222	+12	3880	-1231	+3	3848	-1234
Lansing	3896	-1247	+3	3896	-1247	+3	3864	-1250
BKC	4114	-1465	+9	4128	-1479	-5	4088	-1474
RTD	4200						4110	
LTD				4197			4110	

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KCC WICHITA

Popp-Borger Unit #1-14

Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #16

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Lisbon Prospect #3089

630 FNL 160 FEL
Sec. 14-T9S-R26W
Sheridan County, Kansas

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Contact Person: David Doyel
Phone number: 316-267-3241
Well site Geologist: Kris Kennedy

Call Depth: 3000'
Spud: 1/17/05 @ 4:30 p.m.

TD: 4200'

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KCC WICHITA

API # 15-179-21123
Casing: 8 5/8" @ 311'
5 1/2" @ 4199'
Elevation: 2644' GL
2649' KB

DAILY INFORMATION:

1/17/05 MIRT.

1/18/05 Depth 410'. Cut 410'. DT: 8 hrs. (WOC). CT: none. Dev.: 3/4° @ 312'. Spud @ 4:30 p.m. 1/17/05. Ran 7 jts. = 303.75' of 8 5/8" surf. csg. set @ 311', cmt w/200 sx. comm., 3% cc, 2% gel, plug down @ 9:15 p.m. 1/17/05, drilled out plug @ 5:15 a.m. 1/18/05. Cement circ. to cellar by Allied.

1/19/05 Depth 2500'. Cut 2090'. DT: none. CT: none. Dev.: 3/4° @ 1263'. While drilling 1000-2200' lost 400 bbls.

1/20/05 Depth 3245'. Cut 745'. DT: 4 hrs. (plugged bit @ 3163'). CT: none. Dev.: 3/4° @ 2698', 3/4° @ 3163'.

1/21/05 Depth 3810'. Cut 565'. DT: none. CT: none. Dev.: none.

1/22/05 Depth 3940'. Cut 130'. DT: 1/4 hr. (hydromatic). CT: 17 hrs. Dev.: 3/4° @ 3936'. **DST #1 3846-3936 (LKC A-D zones):** 15-30-45-90. IF: wk to strg in 5 min. IFIP no blw. FF: wk to strg in 10 min. FSIP: wk bl bk 1/2" bl. Rec. 240' W (Rw .09 @ 70°), 60' SO&GCW (5% G, 2% O, 94% W), 330' MGO (20% G, 60% O, 20% M), 180' HO&GCM (20% G, 30% O, 50% M), 810' TF, 210' GIP; HP: 1878-1822; FP: 47/185, 188/372; SIP: 1070-1085.

1/23/05 Depth 4100'. Cut 160'. DT: none. CT: 13 1/4 hrs. Dev.: none. **DST #2 3946-3976 (LKC E-G zones):** 30-30-30-60. IF: wk bl thru-out 1/4" to surf. bl. FFP: no bl. No bl on shut-in. Rec.: 1' M w/show of oil. HP: 1897-1888; FP: 14/19, 18/17; SIP: 26-26.

1/24/05 RTD 4200'. Cut 100'. DT: none. CT: 20 1/4 hrs. Dev.: 3/4° @ 4200'. **DST #3 4020-4100 (LKC I-K zones):** 30-60-60-90. IF: wk bl thru-out 1/2" to 2 1/2" bl. FFP: wk to strg in 60 min. ISIP: surf. bl bk. Rec. 80' MCO (10% G, 50% O, 40% M), 70' CO, 150' TF., 330' GIP. HP: 1978-1945; FP: 25/59, 58/78; SIP: 1286-1278. HC @ 2:00 a.m. 1/24/05. Log Tech began logging @ 4:30 a.m., LTD @ 4197'. Going to run prod. csg.

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Popp-Borger Unit #1-14

Daily drilling report

Page two

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1/25/05

RTD 4200'. CT: 19 hrs. Log Tech finished logging @ 10:45 a.m. 1/24/05. Ran 99 jts. = 4207' of 5 1/2" prod.-csg. set @ 4199', cmt. w/150 sx. AA-2 plug down @ 10:00 p.m. 1/24/05 by Acid Services, port collar @ 2345', 15 sx. in RH, 10 sx. in MH. Rig released @ 2:00 a.m. 1/25/05. **FINAL REPORT.**

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BKC	4114	-1465	+9	4128	-1479	-5	4088	-1474
RTD	4200						4110	
LTD				4197			4110	



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Popp Borger Unit 1-14
Completion Report
Section 14-9S-26W
Sheridan County, KS

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Completion/Day 1

2/17 - MIRU #396. MI 2 3/8" tbg f/H.C. yard. SDON. Est cost \$1180.

Completion/Day 2

* 2/18 - RIH w/PC tool & tbg. Found port collar @ 2320'. RU Acid Services. Pressured to 1500# & held. Opened P.C. Pumped 200 sacks A-con blend 3% CC 1/4# cel flake per sack to circulate cmt to surface. Witnessed by Darrel Dipman w/KCC. Closed PC. Pressured test to 1500# & held. 1000# over lift pressure. Ran tbg to 2468', circ clean. TOH w/tbg & PC tool. SDON. Est cost \$10,340.

Completion/Day 3

* 2/21 - Swabbed dwn csg to 3750'. RU Perf Tech. Tagged fluid 3729'. Perforated 4090-92 K, 4070-72 J, 4051-53 I, 4028-30 H, 4 SPF, EHSC. No show on guns. FL stayed @ 3720'. RIH w/plug & pkr. Set plug 4111' & pkr 4081', isolating 4090-92 K. Tagged fluid 3550'. Swabbed dry. Trace of oil. Let set 15 min. RIH w/swab, dry. SDON. Est cost \$17,740.

Completion/Day 4

2/22 - Plug 4111, pkr 4081' isolating 4090-92 "K". RIH w/swab, dry. Ran pkr to 4093'. Tagged fluid. Dumped 3 bbl 15% MCA to spot acid. Reset pkr 4081'. Pumped remainder of 250 gal 15% MCA, 16.3 to load. Let set 5 min. Pressured to 200# broke back to 1.3 BPM vac, 22 bbl load. Tagged fluid 2600', vac on backside. Communicated to 4070-72 "J". Set pkr 4061' isolating 4070-72 & 4090-92. Tagged fluid 2930'. Swabbed dry. Pkr 4077'. Tagged fluid. Pumped 4 1/4 bbl 15% MCA to spot acid. Reset pkr 4061'. Pumped remainder of 250 gal 15% MCA. Took 15.8 to load. Pressured to 200# w/slight bleed off. With 1/4 bbl acid out communicated to 4051-53 "I". Pulled pkr to 4041' isolating 4051-53, 4070-72, 4090-92. Swabbed dry. Pkr 4056'. Tagged fluid. Dumped 250 gal. 15% MCA & 2 BW to spot acid. Reset pkr 4041'. Took 15.9 to load. Pressured to 200# w/slight bleed off. With 2 bbl acid out 1/2 BPM 400# max pressure. Displaced acid w/16 BW 1/2 BPM 300#, ISIP 250#, 5 min 200#. Released pressure flowed back 1 bbl, 23 BTL, FL surface. S/D to 3940' = 100' FIT, rec 18 BTF, 99% wtr. Released pkr, made 5 pulls w/swab to clean acid off backside. Reset pkr. SDON. Est cost \$20,540.

Completion/Day 5

2/23 - Plug 4111, pkr 4041' isolating 4051-53, 4070-72, 4090-92. Tagged fluid 3400' = 640' FIT, 540' overnight fillup, 350' oil, 190' wtr, 71% oil. Swabbed dry. RU Kansas Acid. Retreat w/250 gal 15% MCA. Loaded tbg w/1/2 bbl acid out, 1/4 BPM 500#, communicated to 4028-30 H. Released pkr, made 2 pulls w/swab. Tagged fl @ 3300'. Dumped 3 1/2 bbl 15% MCA to spot acid. Set pkr 4009' isolating H, I, J, K. Treated w/250 gal 15% MCA. Treated 2 1/4 BPM 900#. Displaced acid w/18 BSW, 2 1/4 BPM 900#. ISIP 600#, 10 min 600#. Released pressure, flowed back 3 bbl, 24 BTL. S/D to 3930' = 70' FIT, rec 19.36 BTF. Last pull 50% oil. Retreat w/250 gal 15% MCA, 150# rock salt plug, 250 gal MCA, 150# rock salt plug, 250 gal MCA, 150# rock salt plug, 250 gal MCA. Start 4 BPM 800#. 1st plug on btm, 3 1/2 BPM 1000#. 2nd plug on btm 3 BPM 1200#. 3rd plug on btm 3 BPM 1200#. Displaced w/26 BW, 3 BPM 1200#. 62 BTL, ISIP 700#, 20 min 550#. Released pressure flowed back 12 bbl then waited 20 min f/acid gas kick. S/D to 3550' = 450' FIT, rec 28.08 BTF, 30% oil. Released pkr, made 2 pulls w/swab to clean acid off backside. Reset pkr. SDON. Est cost \$25,810.

Completion/Day 6

2/24 - Plug 4111', pkr 4009' isolating H, I, J, K. Tagged fluid 800' f/surface + 3209' FIT, 2759' overnight fillup, 3000' oil on top, 209' wtr, 93% oil. S/D to 3200' = 800' FIT, rec 12.87 BTF. Still 9 short of load. 1 hr test 6 PPH FL 3650' = 350' FIT, rec 10.55 BTF, 70% oil, 10% emulsion, 20% wtr. 2nd hr 6 PPH FL 3650' = 350' FIT, rec 7.02 BTF, 70% oil, 30% wtr. 3rd hr test 6 PPH, FL 3700' = 300' FIT, rec 5.26 BTF, 80% oil, 20% wtr, trace of fines. 4th hr 6 PPH FL 3740' = 270' FIT, rec 5.85 BTF, 80% oil, 20% wtr, trace of fines. TOH w/tbg & tools. RU Perf Tech. Perforated 3974-78 F, 3938-40 C-D, 3897-3902 A, 3880-82 Toronto. All 4 SPF, EHSC. Could not feel FL with any of the 4 guns. SDON. Est cost \$30,710.

Completion/Day 7

2/25 - RIH w/plug & pkr. Set plug 3995', pkr 3954' isolating 3974-78 F. Tagged fluid 1500' f/surface, 850' oil on top. S/D to 3650' = 300' FIT. Did not dry up. Moved tools. Set pkr 4009'. Made pull w/swab, vac on backside. Communicated to 4028-30 H. Moved tools. Plug 3953', pkr 3922' isolating 3938-40 C-D. S/D to 3620' = 300' FIT, 95% oil. 1 hr test 6 PPH, FL 3740' = 180' FIT, rec 2.92 BTF, 95% oil. Ran pkr to 3941'. Tagged fluid 2400'. Dumped 250 gal 15% MCA + 1 1/2 BW to spot acid. Set pkr 3922' isolating 3938-40 C-D. Loaded tbg. Displaced acid w/16 BW. Treated 1/2 BPM, vac. Tagged fluid 500' f/surface. S/D to 2100' = 1820' FIT, rec 23.40 BTF, 85% oil. 1 hr test 5 PPH, FL 2400' = 1522' FIT, rec 18.72 BTF, 93% oil. Swabbed acid off backside. SDON. Est cost \$33,613.00

Completion/Day 8

2/28 - Plug 3953', pkr 3922' isolating 3938-40 C-D. Tagged fluid 700' f/surface, 3222' FIT, 1700' weekend fillup. S/D to 2100', rec 18.72 BTF, 96% oil. 1 hr test 6 PPH, S/D 2500' = 1422' FIT, rec 23.40 BTF, 96% oil. Moved tools. Plug 3921', pkr 3888' isolating 3897-3902 "A", swabbed dry. Pkr 3904'. Dumped 250 gal 15% MCA + 3 1/2 BW to spot acid. Reset pkr 3888'.



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Popp Borger Unit 1-14
Completion Report
Section 14-9S-26W
Sheridan County, KS

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Loaded tbg w/15.9 bbl. Treating 1/4 BPM, vac. With 2 bbl out communicated to 3880-82. Made 2 pulls w/swab. Released pkr. Tagged fluid 1600' Dumped 250 gal 15% MCA + 5 BW to spot acid. Set pkr 3851' isolating 3897-3902 A & 3880-82 Toronto. Loaded tbg, 1 bbl later Treated w/250 gal 15% MCA. Displaced acid w/16 BW. Treated 1/4 BPM intervals, 100# max pressure, 22 BTL. Tagged fluid 600' f/surface. S/D to 3150' = 700' FIT, rec 31.59 BTF, 5% oil, 1% mud. 1 hr test 5 PPH, FL 3150' = 700' FIT, rec 14.04 BTF, 5% oil, 8/10% mud. 2nd hr 6 PPH, S/D 3300' = 550' FIT, rec 14.04 BTF, 5% oil 6/10% mud. Released pkr swabbed acid off backside. Reset pkr. SDON. Est cost \$36,987.

Completion/Day 9

3/1 - Plug 3921', pkr 3851' isolating 3897-3902 A & 3880-82 Toronto. Tagged 1500' = 2351' FIT, 1800' overnight fillup. Show of oil. S/D 3150', rec 19.89 BTF, 3% oil. 1 hr test 5 PPH, FL 3150' = 700' FIT, rec 14.04 BTF, 5% oil, 1/10% fines. 2nd hr test 5 PPH, FL 3150' = 700' FIT, rec 14.04 BTF, 5% oil, 1/10% fines. 3rd hr test 5 PPH, FL 3150' = 700' FIT, rec 12.87 BTF, 4% oil, 7/10% mud. 4th hr 5 PPH, FL 3150' = 700' FIT, rec 14.04 BTF, 4% oil, 7/10% mud. Released pkr & plug. Ran dwn to 4111' & left hang. Tagged 2000'. S/D to 2350', rec 15.48 BTF. 1 hr test 5 PPH, FL 2500' = 1611' FIH, rec 22.23 BTF, 47% oil, 53% wtr. 2nd hr test 5 PPH, FL 2600', rec 22.23 BTF, 50% oil. SDON. Est cost \$40,287.

Completion/Day 10

3/2 - Pkr hanging @ 4111'. Tagged fluid 1400' f/surface, 2711' FIH, 1200' overnight fillup, 900' oil on top, 33% oil. S/D to 2000', rec 17.55 BTF. 1 hr test 5 PPH, FL 2100' = 2011' FIH, rec 26.91 BTF, 45% oil. 2nd hr 6 PPH, FL 2300' = 1811' FIH, rec 25.74 BTF, 47% oil, trace of fines. 3rd hr 6 PPH, FL 2600' = 1511' FIH, rec 26.91 BTF, 48% oil. 4th hr 6 PPH, FL 2700' = 1411' FIH, rec 26.91 BTF, 47% oil, trace of fines. TOH w/tbg & tools. SDON. County installed culvert f/tank battery driveway. Est cost \$42,687.

Completion/Day 11

3/3 - RIH w/new 2 3/8 x 3' perforated sub, new 2 x 1 3/4 x 15' H&F WB w/seating shoe, new 2 3/8 x 4' sub, 8 jts 2 3/8" tbg, rebuilt 5 1/2 x 2 3/8" Elder AC, 123 jts 2 3/8" tbg, 10' x 2 3/8" sub. Btm perforated sub 4127.48', SS @ 4123.73', AC 3855.43' set w/11" stretch or 11,000# tension. Dropped new 2-cup SV. RIH w/new 1 3/4 x 4' SMP, 12 - 7/8" rods, 90 - 3/4" rods, 61 - 7/8" rods. SDON. Est cost \$44,787.

Completion/Day 12

3/4 - Spaced out pump. Have in hole 1 3/4 x 4' SMP, 12 - 7/8" rods, 90 - 3/4" rods, 61 - 7/8", 8', 4' x 7/8" subs, 1 1/4 x 22' PR w/8' liner. Longstroked, had strong blow. Assembled wellhead connections. RDMO #396. Built unit & tank pads & sanded. Sanded driveway f/oil transport. Est cost \$46,827.00 less tbg & rods.

3/7 - Waiting on pumping unit & tank battery.

3/8 - Set & assembled 160 American Unit.

3/9 - McDonald Tank set new 12 x 10 fiberglass salt water tank, new 10 x 15 fiberglass gun barrel, 2 new 12 x 10 welded steel stock tanks. Hooked up tanks. Power company installed transformer & meter pole. Took oil out of swab tank & put in stock tank. Oil has 3 6/10% acid cut. To heat treat & sell.

3/10 - Ditched, laid & backfilled 240' 2" PVC Sch 40. Hooked up to well & riser on gun barrel. Set 25 hp motor (loaner). Ditched 200' electric line & set control panel & phase converter. Heat treated swab oil.

3/11 - 30 JTF, 944 FTF, 3178' FAP. 5.88x74x1 3/4, POP. 170.41 TF, 127% PE, gassy. Pulled 12" btm on treated tank. Sold tank & pulled remaining btm.

3/12 - 5.88x74x1 3/4, 97.92 TF, 49% wtr, 49.94 BO, 47.98 BW, NPF, 63% PE, 23.36 BOIS. Tbg gassy.

3/13 - 5.88x74x1 3/4, 123.61 BO, 16.06 BW, 11.5% wtr, 139.67 TF, NPF, 90% PE, 106 BOIS/1 well. Tbg gassy, well blows off then starts pumping again.

3/14 - 54 JTF, 1699 FTF, 2423' FAP. 5.88x74x1 3/4, 137.80 TF, 49% wtr, 70.28 BO, 67.52 BW, NPF, 89% PE, 65.13 BOIS. Coming into stock 4/10% wtr. SWT leaking on 3" fiberglass collar. McDonald to repair this week.

3/15 - 5.88x74x1 3/4, 139.13 TF, 57% wtr, 59.83 BO, 79.30 BW, NPF, 90% PE, 55.11 BOIS.

3/16 - 5.88x74x1 3/4, 136.88 TF, 60% wtr, 54.75 BO, 82.13 BW, NPF, 88% PE, 55.94 BOIS. 59 JTF, 1856 FTF, 2265' FAP.



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Popp Borger Unit 1-14
Completion Report
Section 14-9S-26W
Sheridan County, KS

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3/17 - 5.88x74x1 3/4, 130.32 TF, 57% wtr, 56.04 BO, 74.28 BW, NPF, 84% PE, 54.27 BOIS. Checked stock 4/10% wtr. Took off loaner motor & set new 25 hp Teco w/3-C-6" sheave. Now running 7.22 SPM. Balanced unit.

3/18 Down w/electrical problem. Repaired & POP. McDonald Tank repaired leaking collar on SW tank.

3/19 100.09 BO, 66.73 BW, NPF, 87% PE, 46.70 BOIS, 1 well. 63 JTF, 1982 FTF, 2139 FAP. 12 hr pump time from being SD w/electrical problem.

3/20 7.22 x 74 x 1 3/4, 80.51 BO, 78.96 BW, NPF, 84% PE, 75.98 BOIS, 90.18 wtr.

3/21 7.22 x 74 x 1 3/4, 79.73 BO, 79.73 BW, 50% wtr, 159.47 TF, NPF, 84% PE, 76.4 BOIS, 85.17 wtr. To SD @ 5 PM, out of tank room and too muddy to haul oil.

3/22 7.22 x 74 x 1 3/4, 64.94 BO, 84.28 BW, 56.5% wtr, 149.22 TF, NPF, 78% PE, 66.80 BOIS, 86.84 wtr.

3/23 - SD out of tank room.

ALLIED CEMENTING CO., INC.
 P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

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 APR 18 2005
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 * INVOICE *

CONFIDENTIAL

Invoice Number: 095698

Invoice Date: 01/20/05

Sold Murfin Drilling Co.
 To: 250 N. Water, St. #300
 Wichita, KS
 67202

RECEIVED
 APR 19 2005
KCC WICHITA

Cust I.D.....: Murfin
 P.O. Number...: Popp-Borger Unit #1-14
 P.O. Date.....: 01/20/05

Due Date.: 02/19/05
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	200.00	SKS	9.5500	1910.00	T
el	4.00	SKS	13.0000	52.00	T
chloride	7.00	SKS	36.0000	252.00	T
handling	211.00	SKS	1.5000	316.50	E
mileage (48)	48.00	MILE	10.5500	506.40	E
211 sks @\$.05 per sk per mi					
surface	1.00	JOB	625.0000	625.00	E
mileage pmp trk	48.00	MILE	4.0000	192.00	E

All Prices Are Net, Payable 30 Days Following
 Date of Invoice. 1 1/2% Charged Thereafter.
 If Account CURRENT take Discount of \$ **385.39**
 ONLY if paid within 30 days from Invoice Date

Subtotal:	3853.90
Tax.....:	139.48
Payments:	0.00
Total....:	3993.38

*New Well
 Surface Casing
 Cement*

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

ORIGINAL
19890

KCC

APR 18 2005

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

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DATE <u>1-17-05</u>	SEC. <u>14</u>	TWP. <u>9s</u>	RANGE <u>26w</u>	CALLED OUT	ON LOCATION <u>6:50 PM</u>	JOB START <u>9:00 PM</u>	JOB FINISH <u>9:15 PM</u>
LEASE <u>Popp-Borger Unit 7</u>		WELL # <u>1-14</u>	LOCATION <u>Studley 1w 5 1/4s w/s</u>		COUNTY <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Murfin Drlg Rig 16 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 312'

CASING SIZE 8 7/8 DEPTH 310.75'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 18 3/4 Bbls

CEMENT AMOUNT ORDERED 200 SKS Com 3% Cell 2% Gel

COMMON	<u>200 SKS</u>	@ <u>9.55</u>	<u>1910.00</u>
POZMIX		@	
GEL	<u>45 SKS</u>	@ <u>13.00</u>	<u>52.00</u>
CHLORIDE	<u>7 SKS</u>	@ <u>36.00</u>	<u>252.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>211 SKS</u>	@ <u>1.50</u>	<u>316.50</u>
MILEAGE	<u>54.75K/mile</u>		<u>506.40</u>
TOTAL			<u>3036.90</u>

EQUIPMENT

PUMP TRUCK CEMENTER Dean

373-281 HELPER Andrew

BULK TRUCK

218 DRIVER Mike

BULK TRUCK

DRIVER

REMARKS:

Cement in cellar

Thank you

CHARGE TO: Murfin Drlg Co

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 625.00

EXTRA FOOTAGE @ _____

MILEAGE 48 miles @ 4.00 192.00

MANIFOLD @ _____

@ _____

@ _____

TOTAL 817.00

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

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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

WELL FILE
Invoice

Bill to:
MURFIN DRILLING
3490 West Jones
Garden City, KS 67846

5864749
RECEIVED
APR 19 2005
KCC WICHITA

Invoice	Invoice Date	Order	Order Date
501105	1/27/05	9516	1/24/05

Service Description
Cement *Production Casing*

Lease	Well
Popp-Borger	1-14

AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	T. Nichols	C. Messick	New Well		Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D105	AA2 (PREMIUM)	SK	150	\$15.37	\$2,305.50 (T)
D203	60/40 POZ (COMMON)	SK	25	\$9.09	\$227.25 (T)
C195	FLA-322	LB	113	\$7.50	\$847.50 (T)
C221	SALT (Fine)	GAL	830	\$0.25	\$207.50 (T)
C243	DEFOAMER	LB	29	\$3.45	\$100.05 (T)
C244	CEMENT FRICTION REDUCER	LB	50	\$4.75	\$237.50 (T)
C321	GILSONITE	LB	747	\$0.60	\$448.20 (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)
F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$75.00	\$75.00 (T)
F191	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$186.65	\$186.65 (T)
F231	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$175.00	\$175.00 (T)
F261	CEMENT PORT COLLAR, 5 1/2"	EA	1	\$3,225.00	\$3,225.00 (T)
F292	CEMENT SCRATCHERS ROTATING TYPE	EA	13	\$48.85	\$635.05 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	180	\$3.65	\$657.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	180	\$2.15	\$387.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	1467	\$1.60	\$2,347.20
E107	CEMENT SERVICE CHARGE	SK	175	\$1.50	\$262.50
R209	CASING CEMENT PUMPER, 4001-4500' 1ST 4 HRS ON LOC	EA	1	\$1,764.00	\$1,764.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	3	\$210.00	\$630.00
R404	DERRICK CHARGE, ABOVE 10'	EA	1	\$200.00	\$200.00

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

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



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SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
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SALES & SERVICE OFFICE:
10244 NE Hiway 61
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Pratt, KS 67124-8613
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P.O. Box 129
Liberal, KS 67905-0129
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(620) 624-2280 FAX

Invoice

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	Sub Total:	\$16,577.40
	Discount:	\$4,973.22
	Discount Sub Total:	\$11,604.18
Sheridan County & State Tax Rate: 6.30%	Taxes:	\$444.51
(T) Taxable Item	Total:	\$12,048.69

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

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

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INVOICE NO.		Subject of Correction		FIELD ORDER 9516 ✓	
Date	1-24-09	Lease	Popp-Borger Unit	Well #	1-14
Customer ID		County	Sheridan	State	KS
Murfin Drilling Company, Inc.		Depth		Formation	
		Casing	5 1/2" 19.5#/ft	Casing Depth	4207.59'
		TD	4200'	Shoe Joint	42.25'
		Customer Representative	Tom Nichols	Treater	Clarence R. Messick
		Job Type	Cement Long String - New Well		

CHARGE

AFE Number	PO Number	Materials Received by	X John Gustave
------------	-----------	-----------------------	----------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-105	150 st.	AA-2 (Premium)	-			
D-203	25 st.	60/40 Poz (Common)	-			
C-195	113 lb.	FLA-322	-			
C-221	830 lb.	Salt (Fine)	-			
C-243	29 lb.	Defoamer	-			
C-244	50 lb.	Cement Friction Reducer	-			
C-321	747 lb.	Gilsonite	-			
C-302	500 gal.	Mud Flush	-			
F-101	10 ea.	Turbolizer, 5 1/2"	-			
F-121	1 ea.	Basket, 5 1/2"	-			
F-143	1 ea.	Top Rubber Cement Plug, 5 1/2"	-			
F-191	1 ea.	Guide Shoe - Regular, 5 1/2"	-			
F-231	1 ea.	Flapper Type Insert Float Valves, 5 1/2"	-			
F-261	1 ea.	Cement Part Collar, 5 1/2"	-			
F-292	13 ea.	Cement Scratchers, Rotating Type,	-			
E-100	180 mi.	Heavy Vehicle Mileage	1-way			
E-101	180 mi.	Pickup Mileage	1-way			
E-104	1,467 tm	Bulk Delivery				
E-107	175 st.	Cement Service Charge				
R-209	1 ea.	Casing Cement Pumper, 4001'-4500'				
R-701	1 ea.	Cement Head Rental				
R-402	3 hrs.	Cement Pumper, Additional hrs. on Location				
R-404	1 ea.	Derrick Charge, Above 10'				
		Discounted Price =		\$11,604.18		
		Plus taxes				

10244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383

TOTAL

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TREATMENT REPORT



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Field Order # 9516	Station Pratt	Casing 5 1/2" 15.5 #/ft.	Depth 4207.59'	County Sheridan	Date 1-24-05	Lease No.	Well # 1-14	State KS.	
Customer Murfin Drilling Company, Inc		Lease Popp - Berger Unit		Formation					Legal Description 14-95-26W
Type Job Cement-Long String-New Well									

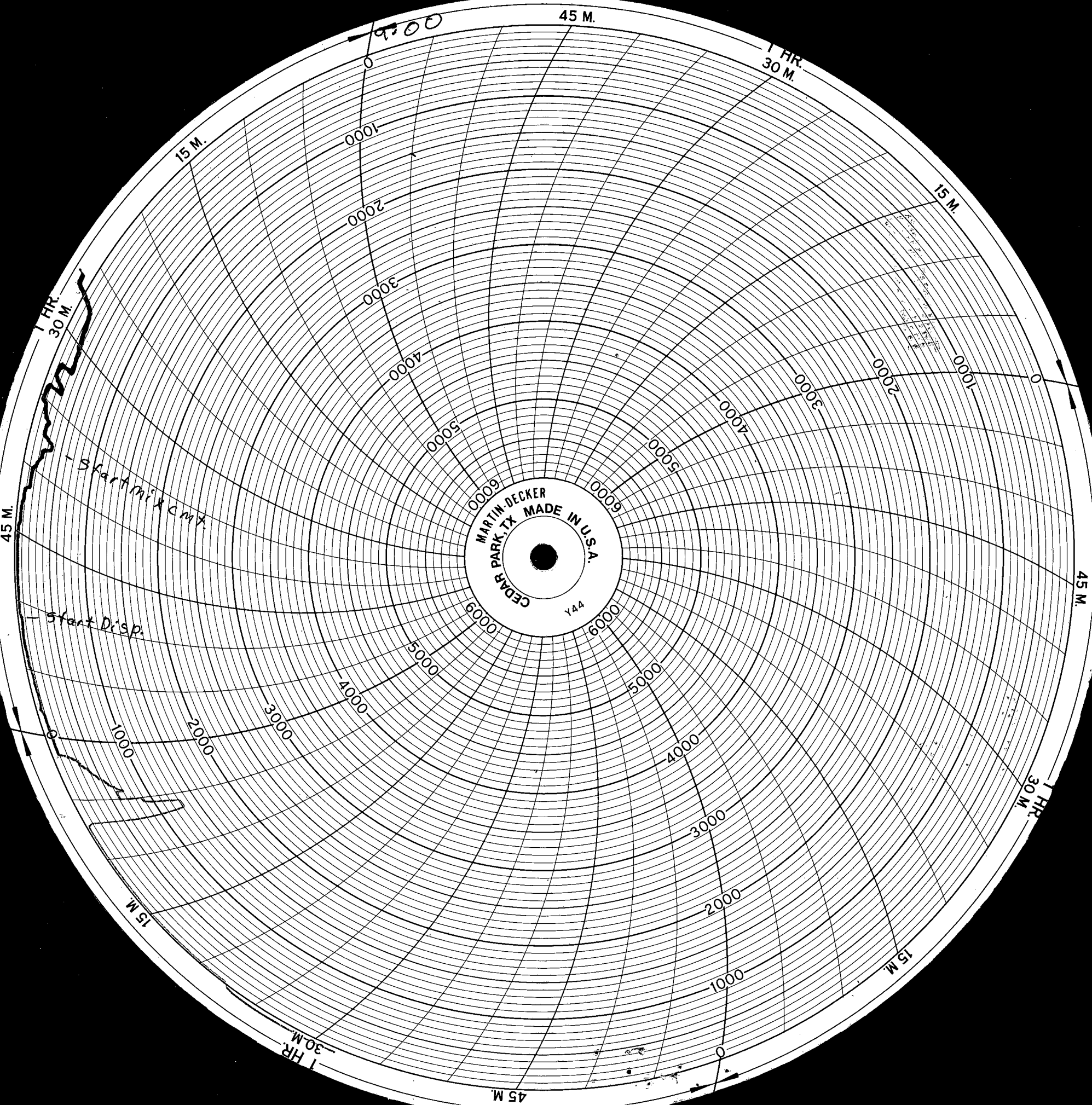
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2" 15.5 #/ft.	Tubing Size	Shots/Ft		150sts AA-2 (Premium)	RATE	PRESS	ISIP	
Depth 4207.59'	Depth	From	To	.3% Friction Reducer, .2% Defoamer	Max		5 Min.	
Volume	Volume	From	To	5 #/skt Gilsonite	Min		10 Min.	
Max Press	Max Press	From	To	15 #/gal. - 6.27 gal/skt	Avg		15 Min.	
Well Connection Plug Cont.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 4165.34'	Packer Depth	From	To	Flush 99 bbl. Fresh H ₂ O	Gas Volume		Total Load	

Customer Representative Tom Nichols	Station Manager Dave Autry	Treater Clarence R. Messick
--	-------------------------------	--------------------------------

Service Units	109	226	346	576				
---------------	-----	-----	-----	-----	--	--	--	--

Time P.M.	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
2:00					Trucks on location and hold safety meeting
5:30					Murfin Drilling start to run 99 jts 15.5 #/ft. new 5 1/2" casing. Run regular guide shoe with insert in collar on 1 st jt. Ran centralizers on collars # 2, 5, 7, 10, 16, 25, 33, 43, 50 & 70. Welded rotating scratchers on jts # 4, 5, 6, 8 & 9. Run basket on btm. of jt. # 45 and Port collar on top of jt. # 45 at 2,324.63' from surface.
8:30					Casing in well. Break circulation with rig mud pump
9:27	400			6	Start fresh H ₂ O Pre-Flush
	400		20	6	Start 500 gal. Mud-Flush
	400		32	6	Start Fresh H ₂ O Pre-Flush
	200		36	5	Start to mix 150sts AA-2 Premium cement
			71		Stop pumping. Shut in well. Wash pump & lines
9:50	200			6	Release plug. Start Displacement
10:05	1500		99		Plug down
					Release pressure insert held
					Plug rat and mouse hole
10:50					Wash up pump truck
11:10					Job Complete

Thanks Clarence R. Messick



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Ticket # 9516
Murfin Drilling Co., Inc.
Popp-Borger Unit # 1-14
150 shs AA-2 Premium
1-24-05
Clarence R. Messick

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APR 18 2005

TREATMENT REPORT

ORIGINAL



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Field Order # 9635 Station PLANNING Casing 5 1/2 Depth 76 Formation Legal Description 14-9-26

Customer ID MURPHY DRUG Lease 101P - BOLGER WIND Well # 1-14

County SHERRILL State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 3/8	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 76	Depth 76	From	To	Pre Pad RECEIVED	Max			5 Min.
Volume	Volume	From	To	Pad APR 19 2005	Min			10 Min.
Max Press	Max Press	From	To	Flush KCC WICHITA	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative JOHN Station Manager HARRY Treater GORSLEY

Service Units 120 26 46 76

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1000					ON LOC AT 301
					FIND PORT COLLAR AT 2320'
1030	1500				BP TEST CASEWELL
					OPEN PORT COLLAR
		500		3	INT. RATE 38PM - 500'
		500	0	3 1/2	MIX 200.5% A-COIN CEMENT 3% CC, 1/4# CEMENT
		500	100	3 1/2	CORE CEMENT OUT OF 878 BH
	900	900	8	3 1/2	RUN 8 661 H ₂ O
	400				CLOSE PORT COLLAR
	1500				BP TEST CASEWELL - 1500'
1130	400		16	3	RUN 5 JB & CORE CLEAN

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

1200 JOB COMPLETE - THANKS HARRY

