

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 33921  
 Name: Gra Ex, LLC  
 Address: PO Box 32 1603 N Walnut  
 City/State/Zip: Kingman, KS 67068  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Don Graber  
 Phone: (620) 532-6290  
 Contractor: Name: Warren Drilling  
 License: 33724  
 Wellsite Geologist: Jeff Burk  
 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. \_\_\_\_\_

07-12-2007	07-27-2007	08-10-2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 185-23446-0000  
 County: Stafford  
 \_\_\_\_\_ SE \_\_\_\_\_ NE \_\_\_\_\_ SE Sec. 6 Twp. 25 S. R. 13  East  West  
1650 feet from S N (circle one) Line of Section  
480 feet from E W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: ASTLE Well #: 1  
 Field Name: SEEVERS  
 Producing Formation: MISSISSIPPIAN  
 Elevation: Ground: 1951 Kelly Bushing: +8 (1951)  
 Total Depth: 4330 Plug Back Total Depth: 4297  
 Amount of Surface Pipe Set and Cemented at 247 KB Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set NA Feet  
 If Alternate II completion, cement circulated from NA  
 feet depth to \_\_\_\_\_ w/ NA \_\_\_\_\_ sx cmt.  
Alt 1 - Dig w/ 61358

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 42,000 ppm Fluid volume 1500 bbls  
 Dewatering method used pull & dispose of clear fluids & allow to evaporate  
 Location of fluid disposal if hauled offsite:  
 Operator Name: Bob's Hauling  
 Lease Name: Siefkes SW disposal License No.: 33779  
 Quarter \_\_\_\_\_ Sec. 13 Twp. 22 S. R. 12  East  West  
 County: Stafford Docket No.: D-22209

**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: Office Mgr Date: 03-10-2008  
 Subscribed and sworn to before me this 14 day of March  
08  
 Notary Public: [Signature]  
 Date Commission Expires: 8-15-11

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_ RECEIVED  
 WIRELINE LOG RECEIVED  
 \_\_\_\_\_ Geologist Report Received  
 \_\_\_\_\_ UIC Distribution  
 MAR 24 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

NOTARY PUBLIC - State of Kansas  
 PEGGY A. GRABER  
 My Appt. Exp. 8-15-11

Operator Name: Gra Ex, LLC Lease Name: ASTLE Well #: 1  
 Sec. 6 Twp. 25 S. R. 13  East  West County: Stafford

**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)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

See attached drilling report

List All E. Logs Run:

**Dual induction Log; Dual compensated Porosity Log; dual receiver cement bond log**

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	12 1/2"	8 5/8"	24	247 KB	AA2	240	2% gel 3%cc
production	7 7/8"	5 1/2"	15.5	4319 KB	AA2	200	see attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	NA			

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 SPF	4012-4030	500 GAL ACID 10%MCA	4030
		1000 GAL ACID 10% NE/FE AND 109 BALLS	4030

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4007.37 KB	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
10-03-2007	<input checked="" type="checkbox"/> Flowing <input 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
		356 MCF		100

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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 KANSAS CORPORATION COMMISSION

**MAR 24 2008**  
 CONSERVATION DIVISION  
 WICHITA, KS

# Gra Ex, L.L.C.

**Astle #1 (API # 15-185-23,446-0000)**

**1650' FSL & 480' FEL of 06-25s-13w**

**Stafford County, KS**

- 07/12/07 Moved Warren Drilling Rig #16 onto location. Will rig up and drill the water well tomorrow.
- 07/13/07 Crew arrived and finished rigging up. Crowdis Water Well Service arrived on location @ 4:00 p.m., drilled the water well and set the pump. We should be ready to spud and then start drilling by morning.
- 07/14/07 Crew started drilling the rathole @ 6:00 a.m. and then spud the well @ 7:00 a.m. Surface casing was delivered by Dollar Transport (El Reno, OK) @ 7:15 a.m. Crew off loaded the casing, drilled ahead to 249', and then prepared to set surface casing. Talled 6 joints of new 8 5/8" (LS) casing (237.03'). Strap welded the bottom joint and tack welded the remaining 5 joints while running the casing. Set the casing @ 247' KB. RU Allied Cementing. Cemented the casing with 240 sxs of common cement (2% gel, 3% cc) and cement did circulate to surface. Job was completed @ 2:30 p.m. We should be ready to drill out and get under surface @ 10:30 p.m. tonight.
- 07/15/07 Drilling ahead @ 590' @ 7:00 a.m.
- 07/16/07 Drilling ahead @ 1893' @ 7:00 a.m.
- 07/17/07 Drilling ahead @ 2580' @ 7:00 a.m.
- 07/18/07 Drilling ahead @ 3400' @ 7:00 a.m. We should reach the top of the Lansing sometime later this evening.
- 07/19/07 Tripping out of the hole @ 3710' for DST #1 ( 3681'-3710'), covering the Lansing "B" zone. We should be on bottom with the test by 12:00 p.m. Well is currently running flat to the "best" producer to the Northeast, 13' high to the producer to the East, and flat the producer to the Southwest. Shows: Limestone - Cream to tan, mostly fine xln, few with slight edged porosity, fair show of very light free oil and gas bubbles, good yellow florescence, fair to good odor.  
**Mud Properties:** VIS 55 WT 9.0# WL 9.6 cc CL 6,000 ppm  
**Pipe Strap:** 3.56' up-hole correction  
**Deviation:** 1 degree @ 3710'

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07/19/07  
continued

DST #1 (3681' - 3710') Lansing "B"

Open: 30"-45"-60"-90"

1<sup>st</sup> Open: wk blow building to off the bottom in 6 minutes (no GTS)

1st Shut-in: (No blow-back during initial shut-in)

2<sup>nd</sup> Open: Strong blow to off the bottom in 2 seconds (GTS in 35min.)

35 min. - 3,200 cfgpd

40 min. - 5,800 cfgpd

50 min. - 6,300 cfgpd

60 min. - 7,300 cfgpd

2<sup>nd</sup> Shut-in: (2" blow back during shut-in)

REC: 80' SOCGM (22% gas, 4% oil, 74% mud)

125' GOCM (38% gas, 30% oil, 32% mud)

(clean oil @ the top of the tool)

IHP: 1861#

IFP: 24#-49#

ISIP: 1182#

FFP: 44#-88#

FSIP: 1179#

FHP 1801#

BHT: 109 degrees

CL: 9,000 ppm

Drilled ahead to 3724' to evaluate the Lansing "D & E" zones

**Shows:** Limestone - Grey to tan, mostly fine xln, few with inner pelletal porosity, very slight show in few, very faint odor, poor florescence, 10% spotty dark stain.

Drilled ahead to a depth of 3756' to evaluate the Lansing "F" zone.

**Shows:** Limestone - Grey to tan, mostly fine xln, fossiliferous to pelletal, fair inner fossiliferous to inner pelletal porosity. Fair show of heavy free oil in few. Also noted was a slight odor, a dull florescence, and a 30%-40% spotty dark stain.

Preparing to run DST #2 (3712' - 3756') covering the Lansing "D" & "F" zones.

07/20/07

Tripping out of the hole to run DST #2 @ 7:00 a.m. We should have the test on bottom @ around 11:00 a.m. Results will follow later today.

**Mud Properties:** VIS 54 WT 8.8# WL 10.6 cc CL 9,000 ppm

DST #2 was on the bank @ 3:30 p.m. Broke down the tool and recovered the following

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07/20/07  
continued

DST #2 (3712'-3756') Lansing "D" & "F"  
Open: 30"-45"-60"-45"  
1<sup>st</sup> Open: wk blow building to 1 ½ " off the bottom (no GTS)  
1st Shut-in: (No blow-back during initial shut-in)  
2<sup>nd</sup> Open: wk blow building to 2" off the bottom (no GTS)  
2<sup>nd</sup> Shut-in: (2" blow back during shut-in)  
REC: 80' SOCM (3% oil, 97% mud) w/ no water noted  
(trace of gas @ the top of the tool)  
IHP: 1864#  
IFP: 22#-39#  
ISIP: 1129#  
FFP: 44#-64#  
FSIP: 1053#  
FHP 1789#  
BHT: 108 degrees  
CL: 9,000 ppm

Rig is tripping the pipe back into the hole as of 4:00 p.m. The next potential zone of interest is the Lansing "H" zone. It is likely that we should have it cut late tonight or very early in the morning.

07/21/07

At 7:00 a.m. the crew was tripping the pipe back into the hole after looking for a hole in the drill pipe. Drilling depth at this time is 3800'. We should have the Lansing "H" zone cut by 12:00 p.m.

DST #3 (3802.'-3825') Lansing "H"  
Open: 30"-45"-45"-90"  
1<sup>st</sup> Open: Strong blow to off the bottom in 1 ½ minutes (no GTS)  
1st Shut-in: (1/2"-1" blow back during shut-in)  
2<sup>nd</sup> Open: Strong blow to off the bottom w/ GTS in 3 minutes)  
03 min. - 23,600 cfgpd  
10 min. - 23,600 cfgpd  
20 min. - 23,600 cfgpd  
30 min. - 23,600 cfgpd  
45 min. - 23,600 cfgpd  
2<sup>nd</sup> Shut-in: (1/2"-1" blow back during shut-in)  
REC: 100' GMCO (26% gas, 44% oil, 30% mud)  
50' CGO (15% gas, 85% oil) w/ no water  
IHP: 1873#  
IFP: 40#-30#  
ISIP: 573#  
FFP: 30#-53#  
FSIP: 566#  
FHP 1846#  
BHT: 110 degrees

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07/21/07  
continued

Drilled ahead to the Lansing "I" zone. Circulated @ 3845'.  
**Shows:** Limestone – Cream to tan, mostly fine xln, few with inner pelletal porosity, very slight show drk free oil in few, very faint odor, poor to no florescence, 10% spotty dark stain.  
Drilled ahead to a depth of 3866' to evaluate the Lansing "J" zone.  
**Shows:** Limestone – Grey to tan, fine xln – med xln, fossiliferous to oolitic, fair inner oolitic to xln porosity. Fair show of free oil, fair odor, dull florescence (fair when broken), and a 40%-50% dark stain.  
**Mud Properties:** VIS 48 WT 9.1# WL 10.8 cc CL 11,800 ppm

07/22/07

Preparing to test the Lansing "I" & "J" zone @ 7:00 a.m. Drilling depth is currently @ 3866'.  
**Mud Properties:** VIS 43 WT 9.1# WL 16.08 cc CL 11,500 ppm

DST #4 (3623'– 3866') Lansing "I" & "J" zones

Open: 30"-45"-60"-90"

1<sup>st</sup> Open: strong blow to off the bottom in 1 minutes (GTS in 12 min.)

12 min. - GTS

20 min. → 32,500 cfgpd

30 min. – 35,500 cfgpd

1st Shut-in: (weak blow to 1" blow-back during initial shut-in)

2<sup>nd</sup> Open: Strong blow to off the bottom immediately

10 min. – 40,000 cfgpd

20 min. – 43,500 cfgpd

30 min. – 45,000 cfgpd

40 min. – 45,000 cfgpd

50 min. – 43,500 cfgpd

60 min. – 42,000 cfgpd

2<sup>nd</sup> Shut-in: (10" blow back during shut-in)

REC: 112' GMWCO (20% gas, 42% oil, 15% mud, 23% wtr)

248' GMWCO (26% gas, 45% oil, 10% mud, 19% wtr)

195' GWCO (21% gas, 55% oil, 24% wtr)

60' OCW (14% oil, 86% wtr)

615' Total Fluid

IHP: 1889#

IFP: 80#-126#

ISIP: 985#

FFP: 138#-236#

FSIP: 980#

FHP 1870#

BHT: 115 degrees

CL: 12,000 ppm

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07/23/07

Plan to drill ahead to the Lansing "K" zone and circulate for samples @ 3885'.

**Shows:** Limestone – Cream to buff, mostly fine xln, few with inner oolitic/xln porosity, very slight show drk free oil in few, very faint odor, poor to no florescence, 10% spotty dark stain.

Drilled ahead to 3926' and circulate the Lansing "L" zone.

**Shows:** Limestone – Grey to tan, fine xln, well developed inner oolitic(small) porosity, few oolitic. Fair show of light free oil, fair odor, dull florescence (fair when broken), and a 30% spotty light brown stain..

NOTE: Rig was circulating for samples at 3926' @ 7:00 a.m.

**Mud Properties:** VIS 45 WT 8.8# WL 16.4 cc CL 12,000 ppm

Prepared to run DST #5. While running the tool into the hole we hit a bridge @ 3650' (top of the Brown Lime), and the tool would not go any further (DST #5 - MISRUN). We then tripped the testing tool out of the hole to re-condition the mud system. Added a tank of mud, over time, and then spotted another tank of weight mud on bottom just prior to the test.

07/24/07

At 7:00 a.m. the rig was pulling DST #6 (3870'– 3926') Lansing "K" & "L" zones. Test results were as follows:

**Mud Properties:** VIS 43 WT 9.1# WL 12.4 cc CL 11,000 ppm

DST #6 (3870'– 3926') Lansing "K" & "L" zone

Open: 30"-45"-60"-90"

1<sup>st</sup> Strong blow building to off the bottom in 1 minute (no GTS)

1st Shut-in: (1"-1 1/2" blow back during initial shut-in)

2<sup>nd</sup> Open: Strong to off the bottom in 1 minute (GTS in 55 min. TSTM)

2<sup>nd</sup> Shut-in: (1" blow back during shut-in)

REC: 95' GOCM (12% oil, 14% oil, 70% mud) no water

120' GOCM (19% gas, 26% oil, 55% mud) no water

IHP: 1897#

IFP: 56#-80#

ISIP: 329#

FFP: 81#-107#

FSIP: 348#

FHP 1866#

BHT: 109 degrees

CL: 12,000 ppm

The rig was back on bottom and drilling ahead @ 2:00 p.m. We plan to drill to 3952' to evaluate the Lansing "M". If shows are encountered we will test this zone by it self.

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WICHITA, KS

07/24/07  
continued

Poor shows were encountered in the Lansing "M" zone. Drilled ahead to evaluate the Mississippian Chert.

07/25/07

Preparing to test the Mississippian @ 7:00 a.m.

**Shows:** Chert – Most white to tan, some granular to tripolitic porosity, fair show of gas, slight show of oil, very faint odor, dull florescence, 40% saturated stain. Some samples contained gilsonitic staining.

**Mud Properties:** VIS 66 WT 8.8# WL 10.8 cc CL 12,000 ppm

DST #7 (4011.' – 4060') Mississippian Chert

Open: 30"-45"-45"-90"

1<sup>st</sup> Open: Strong blow to off the bottom in 1 ½ minutes (GTS in 28")

1st Shut-in: (no blow back during shut-in)

2<sup>nd</sup> Open: Strong blow w/ GTS

10 min. - 37,000 cfgpd

20 min. - 40,000 cfgpd

30 min. - 42,000 cfgpd

40 min. - 43,000 cfgpd

50 min. - 45,000 cfgpd

60 min. - 45,000 cfgpd

2<sup>nd</sup> Shut-in: (no blow back during shut-in)

REC: 80' GCM (89% mud)

IHP: 1991#

IFP: 30#-33#

ISIP: 1111#

FFP: 34#-49#

FSIP: 1114#

FHP 1950#

BHT: 111 degrees

07/26/07

Drilling ahead @ 4212' @ 5:15 a.m. Drilled ahead to a depth of 4282' where we encountered the Arbuckle. It appears that the Viola section in this well has thickened significantly and therefore, the Arbuckle is probably too low to produce. No shows were observed in either the Viola or the Arbuckle. Drilled ahead to 4330' and reached RTD @ 3:30 p.m.

Circulated to condition the hole for logging, and tripped out of the hole with the pipe to run electric logs. Log-Tech Logging arrived on location at 7:30 p.m. and ran a DIL, CNL/CDL suite of logs. Log total depth appears to be 3' shallow to the rotary total depth. (Note: The pipe strap @3710' showed the strap to be 3.56' short to the board.), indicating a 3.56' "up hole" correction. Sample tops listed below do not reflect that correction.

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MICHITA, KS



07/26/07  
continued

**FORMATION TOPS (1964' KB)**

\*Denotes driller's sample top

<u>Formation</u>	<u>Sample Tops</u>	<u>Sample Datum</u>	<u>Log Tops</u>	<u>Log Datum</u>
Anhydrite*	847'	(+1117)	849'	(+1115)
Heebner	3507'	(-1543)	3500'	(-1536)
Lansing	3675'	(-1711)	3670'	(-1706)
"B" zone	3694'	(-1730)	3690'	(-1726)
"F" zone	3745'	(-1781)	3742'	(-1778)
"G" zone	3764'	(-1800)	3760'	(-1796)
"H" zone	3804'	(-1840)	3802'	(-1838)
"I" zone	3822'	(-1858)	3821'	(-1857)
"J" zone	3843'	(-1879)	3842'	(-1878)
"K" zone	3864'	(-1900)	3864'	(-1900)
"L" zone	3906'	(-1942)	3904'	(-1940)
Base/KC	3950'	(-1986)	3947'	(-1983)
Mississippi	4014'	(-2050)	4012'	(-2048)
Viola	4093'	(-2129)	4096'	(-2132)
Simpson	4232'	(-2268)	4230'	(-2266)
Arbuckle	4282'	(-2318)	4280'	(-2316)
Total Depth	4330'	(-2366)	4327'	(-2363)

Note: The pipe strap @3710' showed the depth to be 3.56' shallow.  
Sample tops **do not** reflect that correction.

Tripped the pipe and bit into the hole to condition the well prior to running casing. Circulated the well for 1 hour and tripped out of the hole laying down the drill pipe & drill collars.

07/27/07

Laying down drill pipe and collars @ 7:00 a.m. Ran (101) jts. of new 5 1/2" (LS) casing and set the casing @ 4319' KB ( 8' off bottom). Ran the production casing utilizing the following float equipment.

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WICHITA, KS

07/27/07  
continued

1<sup>st</sup> Stage

- |     |               |   |
|-----|---------------|---|
| (1) | Guide Shoe    | Bottom of shoe (4310')                        |
| (1) | Insert Baffle | Top of shoe (4306')                           |
| (6) | Centralizers  | (4302', 4172', 4003', 3872',<br>3744', 3663') |
| (9) | Scratchers    | Covering (3980'-4045')                        |

2<sup>nd</sup> Stage

- |     |               |                                     |
|-----|---------------|-------------------------------------|
| (1) | Cement Basket | (2836')                             |
| (1) | DV Tool       | (2793' - top of DV tool @)          |
| (5) | Centralizers  | (2748', 2575', 2325', 2149', 1973') |

Rigged up Jetstar Services and plugged the rat hole with 25 sxs of cement. Started the 1<sup>st</sup> stage @ 7:00 p.m. Pumped 500 gallon mud flush, 5 bbl. water spacer, and cemented the 1<sup>st</sup> stage with 200 sxs. of AA2 cement (.3% friction reducer, .3% FLA-322, 10% salt, .75% gas block, 5#/sx. gilsonite). Rotated the pipe through the cement stage and stopped rotating during displacement. Total displacement was 102 bbls. Plug landed @ 7:50 p.m. @ 1500# and the plug held. Cleaned lines and dropped DV "bomb". Waited 10 minutes and pressured up. Opening tool set and opened the DV tool @ 800#. We will continue to circulate drilling mud while letting the 1<sup>st</sup> stage sets up.

Started the 2<sup>nd</sup> stage @ 10:30 p.m. Pumped 500 gallon mud flush, 5 bbl. water spacer, and cemented the 2nd stage with 200 sxs. of AA2 cement (.3% friction reducer, .3% FLA-322, 10% salt, .75% gas block, 5#/sx. gilsonite). Displaced cement w/ 65 bbls. of fresh water. Plug landed @ 1500# @ 11:00 p.m. We released the pressure pack to the tank and the plug held. Rigged down Jetstar Services, set slips and packed off the braden head. Job done & Warren (Rig #16) was released @ 12:00 a.m. (7/28/07)

**END OF DRILLING REPORT**

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CONSERVATION DIVISION  
LAWRENCE, KANSAS

Customer <i>Gre Ex</i>	Lease No.	Date
Lease <i>Wattle</i>	Well # <i>1</i>	<i>7-27-07</i>
Field Order # <i>16324</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>
	Depth	County <i>Stafford</i>
Type Job <i>PAW - 2 stage 5 1/2</i>	Formation	State <i>KS</i>
		Legal Description <i>6-25-13W</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	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	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative *Jeff Burk* Station Manager *Dave Scott* Treater *Bobby*

Service Units								
Driver Names								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2232</i>	<i>200</i>		<i>12</i>	<i>6.0</i>	<i>illed 1 hour</i>
<i>2235</i>	<i>200</i>		<i>3</i>	<i>6.0</i>	<i>1170 spacer</i>
<i>2237</i>	<i>100</i>		<i>55</i>	<i>5.5</i>	<i>mix fluid 150' head</i>
<i>2247</i>					<i>Release plug - check pump lines</i>
<i>2250</i>	<i>100</i>			<i>6.0</i>	<i>Start Disp.</i>
<i>2259</i>	<i>300</i>		<i>40</i>	<i>5.6</i>	<i>lift pressure</i>
<i>2304</i>	<i>1500</i>		<i>165</i>		<i>the down</i>
<i>2309</i>			<i>4</i>		<i>the 2nd 1/2 mile</i>
					<i>circulation than job</i>
					<i>job complete</i>
					<i>Thanks Bobby</i>

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 MAR 24 2008  
 CONSERVATION DIVISION  
 WICHITA, KS



# ALLIED CEMENTING CO., INC.

30305

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

SERVICE POINT: Great Bend

DATE <u>7-14-07</u>	SEC <u>6</u>	TWP. <u>23</u>	RANGE <u>13</u>	CALLED OUT <u>9:30 AM</u>	ON LOCATION <u>12:00</u>	JOB START <u>2:00 PM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>Astle</u>	WELL # <u>1</u>	LOCATION <u>281 #50 Jct, 35, 2w</u>			COUNTY <u>Stafford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>8, w/s</u>					

CONTRACTOR Warren #16  
 TYPE OF JOB Surface Job  
 HOLE SIZE 12 1/4 T.D. 251'  
 CASING SIZE 8 5/8" DEPTH 205'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 200# PSI MINIMUM 0  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 15'  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 15 BBLs of fresh water

OWNER Graex LLC.  
 CEMENT  
 AMOUNT ORDERED 240 sk Common 3% CC, 2% Gel

EQUIPMENT  
 PUMP TRUCK CEMENTER Pick H.  
 # 120 HELPER Derek D. / Dave W.  
 BULK TRUCK  
 # 260 DRIVER David J.  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>240 sk</u>	@	<u>11.10</u>	<u>2664.00</u>
POZMIX		@		
GEL	<u>5 sk</u>	@	<u>16.45</u>	<u>82.25</u>
CHLORIDE	<u>7 sk</u>	@	<u>46.60</u>	<u>326.20</u>
ASC		@		
HANDLING	<u>252 sk</u>	@	<u>1.90</u>	<u>478.80</u>
MILEAGE	<u>252 sk</u>	@	<u>09 25</u>	<u>567.00</u>
TOTAL				<u>4119.25</u>

REMARKS:  
pipe on bottom, broke circulation mixed 240 sk Common 3% CC, 2% Gel. shut down Released plug displaced with 15 bbls of fresh H<sub>2</sub>O, and split in.

Cement did Circulate.

CHARGE TO: Graex LLC,  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB 251'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 815.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 25 @ 6.00 150.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
HEAD RENTAL @ 100.00 100.00  
 RECEIVED \_\_\_\_\_ @ \_\_\_\_\_  
 KANSAS CORPORATION COMMISSION

MAR 24 2008

TOTAL 1065.00

CONSERVATION DIVISION  
 PUMPS & FLOAT EQUIPMENT  
1. Wooden plug 60.00 60.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment

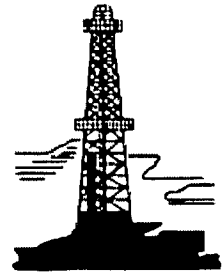
# GRA EX, LLC

PO Box 32

Kingman, KS 67068

Office Phone/Fax-620-532-2644

Gra\_Ex\_LLC@cox.net



March 21, 2008

ATTN: Jim Hemmen

COMPANY: Kansas Corporation Commission

Regarding: Gra Ex, LLC and our Astle #1 well in Stafford county, we would respectfully ask that you withhold any production or completion information as long as possible.

Thank you in advance.

Donald L. Graber

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