

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

ORIGINAL
12-19-08

Operator: License # 6194
Name: ESP Development, Inc.
Address: 17746 177th. Boulevard
City/State/Zip: Paradise, Kansas 67658
Purchaser: EOTT

Operator Contact Person: Bud Eulert
Phone: (785) 998-4413
Contractor: Name: Vonfeldt Drilling, Inc.
License: 9431

Wellsite Geologist: Randy Kilian

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. _____

<u>05/07/2003</u>	<u>05/15/03</u>	<u>05/15/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 167-23229
County: Russell

N/2 SW SW Sec. 27 Twp. 11 S. R. 15 East West

1075 feet from N (circle one) Line of Section

4515 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Hagaman Well #: 1

Field Name: Hagaman North

Producing Formation: Arbuckle

Elevation: Ground: 1823 Kelly Bushing: 1828

Total Depth: 3377 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 213 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 905' Feet

If Alternate II completion, cement circulated from 905

feet depth to 0 w/ 275 sx cmt.

Drilling Fluid Management Plan Well 10-0-03
(Data must be collected from the Reserve Pit)

Chloride content: 56000 ppm Fluid volume 400 bbls

Dewatering method used Allow to dry and backfill

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: Bud Eulert

Title: President Date: 8-18-03

Subscribed and sworn to before me this 18th day of August

2003

Notary Public: Donna Super

Date Commission Expires: 2/9/2005

DONNA SUPER
Notary Public - State of Kansas
My Appt. Expires 2/9/2005

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: ESP Development, Inc. Lease Name: Hagaman Well #: 1
 Sec. 27 Twp. 11 S. R. 15 East West County: Russell

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:
 Compensated density/neuron log
 Dual induction log
 Micro log
 Cement bond log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name		Datum
Anhydrite	900'	+928
Base	937'	+891
Topeka	2670'	-842
Heeb. Sh.	2921'	-1093
Toronto	2940'	-1112
Lansing	2973'	-1145
Base Kc.	3227'	-1399
Arbuckle	3284'	-1456
T.D.	3377'	-1549

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8" new	20#	212'	60/40 Poz	150	2% cc
Bot. Stage							2% gel
Production	7 7/8"	5 1/2" used	14#	3374'	ASC	150	500Gal WFR
Top stage							6% gel
Production	7 7/8"	5 1/2" used	14#	905'	60/40	275	1/4" Flo seal

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				

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
2 shots	3290-96'	250 gal. 15% NE Acid	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		8 7/8	3333'			
Date of First, Resumerd Production, SWD or Enhr. First Prod. 6-12-03			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours 42 BBLs.	Oil Bbls. 42 BBLs.	Gas Mcf 0	Water Bbls. 0	Gas-Oil Ratio	Gravity 28	

Disposition of Gas n/a METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify)

15-167-23229-00-00

ORIGINAL

DRILLERS WELL LOG

Date Commenced: May 7, 2003
Date Completed: May 15, 2003

ESP Development, Inc.
Hagaman #1
85°N & 105°E N/2 SW SW
Sec. 27-11S-15W
Russell County, Kansas

RECEIVED
8-19-2003
AUG 19 2003

KCC WICHITA

Elevation: 1823' G.L.
1828' K.B.

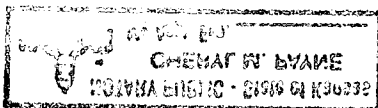
- 0 - 165' Lime
- 165 - 903' Sand & Shale
- 903 - 933' Anhydrite
- 933 - 1248' Sand & Shale
- 1248 - 2135' Shale
- 2135 - 3377' Shale & Lime
- 3377 R.T.D.

FORMATION DATA

Anhydrite	903'
Base Anhydrite	933'
Topeka	2675'
Heebner	2920'
Lansing Kansas City	2970'
Arbuckle	3377'

Surface Pipe: Set 23#, new, 8 5/8" casing @ 213' with 150 sacks 60/40 Poz., 2% Gel., 3% CC.

Production Pipe: Set 14#, used, 5 1/2" casing @ 3374' with 275 sacks 60/40 Poz., 6% Gel., 1/4# flocele per sack. 2nd Stage - 150 sacks ASC, 2% Gel., 500 gallon WFR/2.



COPY

15-167-23229-00-~~114~~^{CO}

ORIGINAL

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8-19-2003
AUG 19 2003
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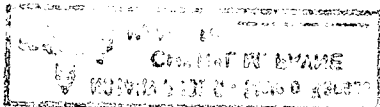
0 - 165' Lime
165 - 903' Sand & Shale
903 - 933' Anhydrite
933 - 1248' Sand & Shale
1248 - 2135' Shale
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3377 R.T.D.

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ORIGINAL

15-167-23229-00-~~11~~⁰⁰

COPY

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Hagaman #1
85°N & 105°E N/2 SW SW
Sec. 27-11S-15W
Russell County, Kansas

RECEIVED
8-19-2003
AUG 19 2003
KCC WICHITA

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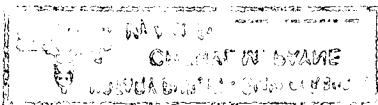
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DRILL STEM TESTS

ORIGINAL

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
2	LKc D 3012- 3035'	14# 20# 30"	468# 30"	20# 34# 60"	475# 60"	1446# 1407#	380' GIP 50' H,O,G,W,C,Md
1	LKc A-D 2954- 3006'	18# 51# 30"	475# 30"	54# 83# 30"	465# 60"	1421# 1394#	75' GIP 90' Md w/ S.O. 60' M,Wtr.
3	LKc J-K 3145- 3200'	16# 29# 30"	570# 30"	29# 53# 60"	609# 60"	1532# 1492#	350' GIP 90' O,G,Md 30% Oil
4	Arb. 3282- 3303'	20# 71# 30"	902# 45"	76# 145# 60"	879# 90"	1613# 1568#	325' G,Oil grav 28°
5							
6							
7							
8							

15-167-23229-00-00

RECEIVED

8-19-2003

AUG 19 2003

KCC WICHITA

ALLIED CEMENTING CO., INC. 14773

ORIGINAL

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

SERVICE POINT: K

15-167-23229-00-00

DATE <u>5-15-03</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>7:15am</u>	JOB FINISH <u>7:45am</u>
LEASE <u>HAGOMY</u> WELL # <u>1</u> LOCATION						COUNTY <u>RUSSELL</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR VONFELDT

TYPE OF JOB TWO STAGE (TOP)

HOLE SIZE 7 7/8 T.D. 3377

CASING SIZE 5 1/2 DEPTH 3374

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL D DEPTH 905

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 22.3BL

OWNER _____

CEMENT

AMOUNT ORDERED 275 60/40 6% GEL
1/4 LB FLO SEAC/SIL

EQUIPMENT

PUMP TRUCK CEMENTER MARK

345 HELPER DAVE

BULK TRUCK

362 DRIVER BRENT

BULK TRUCK

213 DRIVER RUFUS

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

RECEIVED
8-19-2003
AUG 19 2003

TOTAL _____

REMARKS:

15 SILS C. RATHOLE

10 SILS C. HOUSEHOLE

CEMENT CIRC

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO ESP

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Douglas Budis

Doug Budis
PRINTED NAME

ALLIED CEMENTING CO., INC. 14772

ORIGINAL

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

SERVICE POINT: 7

15-167-23229-00-00

DATE <u>5-15-03</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>3:00AM</u>	JOB START <u>6:30AM</u>	JOB FINISH <u>7:00AM</u>
LEASE <u>HADMIAN</u>		WELL # <u>1</u>		LOCATION <u>CORHAM 15 15N 15.34 W</u>		COUNTY <u>RUSSELL</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				STATE			

CONTRACTOR VENI PLAT

TYPE OF JOB TWO STAGE (BOTTOM)

HOLE SIZE 7 7/8 T.D. 3377

CASING SIZE 5 1/2 DEPTH 3374

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL D-V DEPTH 905

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 16"

CEMENT LEFT IN CSG. 16"

PERFS _____

DISPLACEMENT EZ 321

OWNER _____

CEMENT AMOUNT ORDERED 150 USC 29 GFL
500 GAL WFR 2

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER MARK

345 HELPER DAVE

BULK TRUCK

213 DRIVER BRETT

BULK TRUCK

362 DRIVER RUFUS

REMARKS:

FLAT HELD

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: ESP

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

5/2

GUIDE SHOE _____ @ _____

INSEKT _____ @ _____

6-CENT _____ @ _____

BASKET _____ @ _____

STAGE COLLAR _____ @ _____

TOTAL _____

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TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Houng Rudy

Doug Budig
PRINTED NAME

ALLIED CEMENTING CO., INC. 14708

ORIGINAL
SERVICE POINT:

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

15-167-23229-00-00 Russell 5-7-03

DATE <u>5-7-03</u>	SEC. <u>27</u>	TWP. <u>11</u>	RANGE <u>15</u>	CALLED OUT <u>7:00 PM</u>	ON LOCATION <u>10:00 PM</u>	JOB START	JOB FINISH <u>1:00 AM</u>
Hugaman LEASE			WELL # <u>1</u>	LOCATION <u>Gotham 18 1W1E2N</u>		COUNTY <u>Russell</u>	STATE <u>KAN</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Uonseld + Drlg

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 214

CASING SIZE 8 1/2 DEPTH 213

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 12 3/4 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Bill

365 HELPER DAVE

BULK TRUCK DRIVER Glen

213

BULK TRUCK DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____

TOTAL _____

REMARKS:

Ran 5 gals of 8 1/2 on 213

Cemt. w/ 150 lbs 60/40 2% CL

Pump plugged 3 bbls of water

Cemt did circ. ✓

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 1- 8 1/2 wood _____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: ESP Development

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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TOTAL _____

TAX _____

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SIGNATURE Douglas Budig

PRINTED NAME Douglas Budig