

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 163-23,215-00-00  
County Rooks **ORIGINAL**  
NW - NW - NW - Sec. 18 Twp. 8S Rge. 16  E  W

Operator: License # 30730

Name: Horizontal Development & Production Inc.

Address 2535 Marsh Lane, #808

330 Feet from S (circle one) Line of Section  
330 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

City/State/Zip Carrollton, TX 75006

Lease Name Chesney Well # 1

Field Name Medicine Creek

Purchaser: \_\_\_\_\_

Producing Formation Lansing/Kansas City

Operator Contact Person: Mike Sternberg

Elevation: Ground -- KB --

Phone (214) -416-5873

Total Depth 3350' PBTD \_\_\_\_\_

Contractor: Name: Emphasis Oil Operations

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet

License: 8241

Multiple Stage Cementing Collar Used?  Yes \_\_\_\_\_ No \_\_\_\_\_

Wellsite Geologist: Jesse Taylor

yes, show depth set 1250' Feet

Designate Type of Completion

If Alternate II completion, cement circulated from 1250'

New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

feet depth to Surface w/ 225 sx cmt.

Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOV \_\_\_\_\_ Temp \_\_\_\_\_  
 Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
 Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc) \_\_\_\_\_

Drilling Fluid Management Plan ALT 2 6-11-87  
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Chloride content 8,500 ppm Fluid volume 750 bbls

Operator: \_\_\_\_\_

Dewatering method used Evaporation

Well Name: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Operator Name 4-1-96

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PBTD \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

1/17/93 1/22/93

Quarter 1 Sec. 1996 Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

County \_\_\_\_\_ Docket No. \_\_\_\_\_

FROM CONFIDENTIAL

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Michael Sternberg

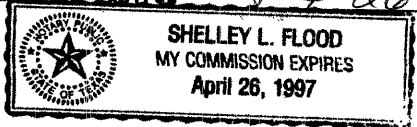
Title Vice President Date 5/14/93

Subscribed and sworn to before me this 14 day of May 19 93.

Notary Public Shelley L. Flood

Date Commission Expires 4-26-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	_____ SWD/Rep _____ NGPA
_____	KGS	_____ Plug _____ Other _____ (Specify)



Operator Name HDP, Inc. Lease Name Chesney Well # 1

Sec. 18 Twp. 8S Rge. 16  East  West  
 County Rooks

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	1240'	
Topeka	2816'	
Heebner	3032'	
Toronto	3048'	
Lansing	3072'	
L.T.D.	3345'	

RAGaurd  
 Neutron/Density  
 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"	20#	214'	60/40	140	3% cc & 2% gel
Production	7-7/8"	4-1/2"	10.5#	3344'	60/40	175	10% salt & 5% gil.

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	Surface 1250'	60/40	225	3% gel., 2% cc

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	3176'-3179' & 3164'-3168'	3,700 gals., 15% Ne	
2	3128'-3136' & 3113'-3120'	1,500 gals. & 2,500 gals, 20%	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	3316'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	35	NA	40		38°

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: 3176'-3179' & 3164'-3168'  
3128'-3136' & 3113'-3120'

15-163-23215-00-00

ORIGINAL

3-2627, Russell, Kansas

Phone Plainville 913-434-2812

16-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

4155

New

Home Office P. O. Box 31

Russell, Kansas 67665

Date	2-10-93	Sec.	18	Twp.	8	Range	16	Called Out	6:00 AM	On Location	9:00 AM	Job Start	9:30 AM	Finish	3:15 PM
Lease	CHESNEY	Well No.	#1	Location				PLAINVILLE 4E 9N 3E	County	ROOKS	State		KANSAS		

Contractor **LIGHTNING Well SERVICE**

Type Job **PORT COLLAR**

Hole Size	T.D.
Csg. 4 1/2	Depth
Tbg. Size 2"	Depth
Drill Pipe	Depth
Tool <b>REINHARDT Oil Tool's</b>	Depth 1250'
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Display <b>RELEASED</b>
Perf.	

Owner  
 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 listed.

Charge To **H.D.P. Horizontal Development & Prod**  
 Street **2535 Marsh Lane #808**  
 City **Carrollton** State **Tex 75006**  
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.  
 X **Michael B. Stanley**  
**CEMENT**

Amount Ordered **225 SK 6 3/4 6 9/16 GEL**

Consisting of			
Common	135	5.75	776.25
Poz. Mix	90	3.00	270.00
Gel.	8	6.75	54.00
Chloride			
Quickset			

**RECEIVED**  
 CONSERVATION DIVISION  
 WICHITA, KS  
 MAY 17 1993

Handling	1.00	225.00
Mileage 17m	04	153.00
	Sub Total	1478.25
	Total	

Floating Equipment **[Signature]**

EQUIPMENT **APR 1 1996**  
**FROM CONFIDENTIAL**  
**4/1/96**

Pumptrk #177	No.	Cementer	<b>[Signature]</b>
		Helper	<b>[Signature]</b>
Pumptrk #160	No.	Cementer	
		Helper	
Bulktrk #155		Driver	<b>Paul</b>
Bulktrk #155		Driver	<b>Jason</b>

DEPTH of Job

Reference:	<b>Pump Truck CHRG</b>	<b>525.00</b>
	<b>2.25 Per mile 17m</b>	<b>38.25</b>
	Sub Total	<b>563.25</b>
	Tax	
	Total	

Remarks: **TEST BRIDGE PUMP @ TO 1500' & HELD. OPENED PORT COLLAR & MIXED 225 SK CEMENT & HAD VERY GOOD CIRCULATION. CEMENT DID CIRCULATE. CLOSED PORT COLLAR & TEST TO 1,000' & HELD. WASHED 4 STS DOWN CSG. CAME OUT w/ TUBING.**

15-163-23215-00-00

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

ORIGINAL

*New*

**ALLIED CEMENTING CO., INC.**

4259

Home Office P. O. Box 31

Russell, Kansas 67665

1-22-93

Date	1-21-93	Sec.	18	Twp.	8	Range	16	Called Out	10:30 PM	On Location	3:45 AM	Job Start	6:45 AM	Finish	7:45 AM
Lease	Chesney	Well No. #	1	Location	Plainville 4 1/2 E 9 N 3 E 4 S	County	ROCKS	State	KANSAS						
Contractor	Emphasis Oil Operations Rig 7														
Type Job	Production														
Hole Size	7 7/8"		T.D.	3345'											
Csg.	4 1/2"		Depth	3344'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool	Baker part collar		Depth	1256'											
Cement Left in Csg.	23.84		Shoe Joint	23.84											
Press Max.			Minimum												
Meas Line	Yes		Displace												
Perf.															

Owner *SAME*  
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 listed.

Charge To *HDP INC.*  
Street *277 Town & Country Village*  
City *Palo Alto* State *Calif.* *94301*  
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *93 Mike Stenberg*  
COMMISSION  
CEMENT *1 SK Gel*

Amount Ordered	<i>200 SKS 60/40 Poz 10% Salt 5% Gel</i>	
Consisting of	<i>500 gal WFR-2</i>	
Common	<i>120 @ 55°</i>	<i>660.00</i>
Poz. Mix	<i>80 @ 25°</i>	<i>200.00</i>
Gel.	<i>1 @ 675</i>	<i>675</i>
Chloride Salt	<i>17 @ 475</i>	<i>8075</i>
Quickset	<i>Wilsonite - 250# @ 33¢</i>	<i>280.50</i>
WFR-2	<i>500 gal @ 50¢</i>	<i>250.00</i>

**EQUIPMENT**

#153 No.	Cementer	<i>M Kaufman</i>
Pumptrk	Helper	<i>Mark D.</i>
No.	Cementer	<b>RELEASED</b>
Pumptrk	Helper	<i>4/1/96</i>
#218	Driver	<i>APR 1 1996 Mike S</i>
Bulktrk	Driver	
Bulktrk	Driver	

FROM CONFIDENTIAL

**DEPTH of Job**

Reference:	#	<i>PUMP TRK</i>	<i>880.00</i>
		<i>1-4 1/2" Rubber plug</i>	<i>33.00</i>
		<i>5T @ 2.00 ea</i>	<i>34.00</i>
		Sub Total	
		Tax	
		Total	<i>947.00</i>

Remarks:  
*15 SKS IN RAT HOLE*  
*FLOAT HELD*  
*Thank you*

Handling	<i>@ 1.00</i>	<i>200.00</i>
Mileage	<i>A &amp; 1/2 / Mile</i>	<i>136.00</i>
Sub Total		<i>1814.00</i>
Total		<i>1899.00</i>

Floating Equipment

<i>6 - Centralizers</i>	<i>258.00</i>
<i>1 - Basket</i>	<i>113.00</i>
<i>1 - AFU Insert</i>	<i>169.00</i>
<i>1 - Guide Shoe</i>	<i>109.00</i>
<i>1 - Baker part collar</i>	<i>1680.00</i>
	<i>1813.00</i>

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

15-163-23215-06-00  
**ORIGINAL**

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

4097

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-17-93	18	8	16				7:30 AM
Lease	Well No.	Location		County	State		
Shesley	1	Junction Hill 35		Deer	KS		

Contractor	Type Job	Hole Size	Csg.	Tbg. Size	Drill Pipe	Tool	Cement Left in Csg.	Press Max.	Meas Line	Perf.
Emphasis Dig 7	Surface	12 1/4	2 3/8				10 15		20'	
		T.D.	Depth	Depth	Depth	Depth	Shoe Joint	Minimum	Displace	
		214	214						134 BR	

Owner	Charge	City	State
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 listed.	Horizontal Dev. + Prod. Inc. SUCCESSION		
The above was done to satisfaction and supervision of owner agent or contractor.			
Purchase Order No.	X R T Finney		
<b>CEMENT</b>			
Amount Ordered	140 3/4 3% CC 2% gel		
Consisting of	Common		
	Poz. Mix		
	Gel.		
	Chloride <b>RELEASED</b>		
	Quickset		
	APR 1 1996		

**EQUIPMENT**

No.	Cementer	<i>Dave</i>
Pumptrk 153	Helper	
No.	Cementer	<i>Mike</i>
Pumptrk	Helper	
	Driver	<i>Mike</i>
Bulktrk 218	Driver	

**DEPTH of Job**

Reference:	<i>Pump trk chg 2 dep trk 2 driver plus</i>	
		Sub Total
		Tax
		Total

Remarks:

*Cement Air*

Handling	Sales Tax
Mileage	
	Sub Total
	Total
Floating Equipment	

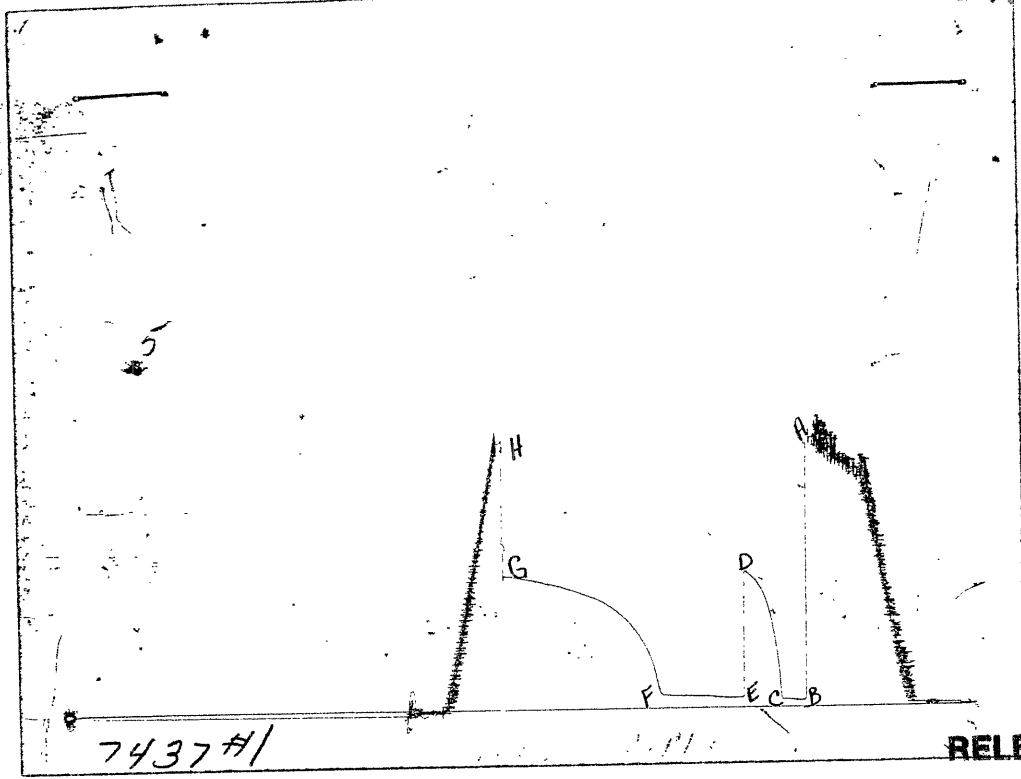
**RECEIVED**  
 KANSAS CORPORATION  
 SLIP  
 MAY 17 1993  
 CONSERVATION DIVISION  
 WICHITA, KS

**RELEASED**

**FROM CONFIDENTIAL**



ORIGINAL



RELEASED

APR 1 1996

This is an actual photograph of recorder chart

FROM CONFIDENTIAL

4/1/96

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1456	1455.3
(B) FIRST INITIAL FLOW PRESSURE	49	45.7
(C) FIRST FINAL FLOW PRESSURE	59	60.1
(D) INITIAL CLOSED-IN PRESSURE	699	702.3
(E) SECOND INITIAL FLOW PRESSURE	59	59.9
(F) SECOND FINAL FLOW PRESSURE	68	66.7
(G) FINAL CLOSED-IN PRESSURE	689	690.3
(H) FINAL HYDROSTATIC MUD	1386	1388.7

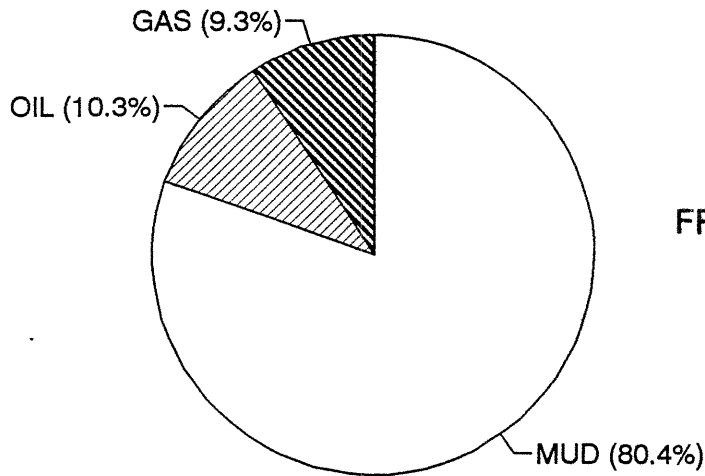
15-163-23215-00-00

CALCULATED RECOVERY ANALYSIS      DRILL      PIPE  
DST #      1      TICKET      5867

ORIGINAL

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	72	0	0	2	1.44	0	0	98	70.56
2	62	20	12.4	20	12.4	0	0	60	37.2
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	134	9.2537313	12.4	10.3	13.84	0	0	80.4	107.76

			HRS	BBL/DAY
BBL OIL=	0.1968048	*	1.25	3.7787
BBL WATER=	0	*		0
BBL MUD=	1.5323472			
BBL GAS	0.176328			



RELEASED

APR 1 1996

FROM CONFIDENTIAL

4/1/96