

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

API #15-163-23,241-00-00 ORIGINAL
County Rooks
Approx. NW - NE - NE Sec. 13 Twp. 8S Rge. 17 X N

Operator: License # 30730

Name: Horizontal Dev. & Prod., Inc.

Address 2535 Marsh Lane, #808

City/State/Zip Carrollton, TX 75006

Purchaser: Farmland

Operator Contact Person: Mike Sternberg

Phone (214) ~~416-5873~~ 528-3933

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Ron Nelson

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: _____

Comp. Date _____ Old Total Depth _____

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

1/22/94 1/27/94 2-14-94
Spud Date Date Reached TD Completion Date

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

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

Lease Name Chesney Well # E-3

Field Name Chesney

Producing Formation Lansing/Kansas City

Elevation: Ground 1926' KB 1931'

Total Depth 3316' PBD _____

Amount of Surface Pipe Set and Cemented at 213 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1221 Feet

If Alternate II completion, cement circulated from 1221

feet depth to surface w/ 275 sx cnt.

Drilling Fluid Management Plan ALT 2 2/4 4-18-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

De-watering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

RECEIVED

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 on a CP-4 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.

CONSERVATION DIVISION
All requirements of the statutes, rules and regulations created 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.

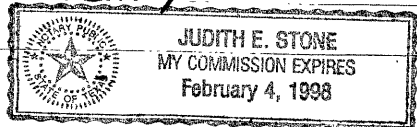
Signature Michael Sternberg Date Sept 20, 1994

Title Vice President

Subscribed and sworn to before me this 25th day of August 19 94

Notary Public Judith E Stone

Date Commission Expires _____



KANSAS CORPORATION COMMISSION

C.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

✓ Distribution

KCC _____ SWD/Rep _____ KGPA _____

KGS _____ Plug _____ Other _____ (Specify)

Operator Name Horizontal Dev. & Prod., Inc. Lease Name Chesney Well # E-3

Sec. 13 Twp. 8S Rge. 17 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:

Log Name	Formation (Top)	Depth	Datum	Sample
	Anhydrite	1230'	+701'	
	Topeka	2786'	-855'	
	Heebner	2998'	-1067'	
	Lansing/Kansas City	3018'	-1108'	
	Base Kansas City	3286'	-1355'	

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	218'	60/40	135	3% cc, 2% gel
Production	7-7/8"	5-1/2"	15.5	3314'	60/40	165	10% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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)	
		Amount	Depth
2	3247'-3250'	500 gals. 15% MCA	3247'-3250'
2	3130'-3134'	2,500 gals. 15% Ne	3130'-3134'
2	3094.5'-3096.5' & 3078'-3084'	4,000 gals. 15% Ne	3094.5'-3096.5' & 3078'-3084'
2	2967.5'-2970.5'	1,500 gals. 20% INS	2967'-2970'

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2-3/8"	3265'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
2-21-94								
Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water	Bbls	Sec Oil Ratio	Gravity
	30				10			36

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

METHOD OF COMPLETION: Open Hole Perf Dually Comp Other (Specify)

Production Interval: 3247'-3250', 3130'-3134', 2967'-2970'

15-163-23241-00-00

627, Russell, KS
 J3-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

NEW

ALLIED CEMENTING CO., INC.

8290

Home Office P. O. Box 31

Russell, Kansas 67665

Date	1-22-94	Sec.	13	Twp.	8	Range	17	Called Out	9:30 PM	On Location	11:30 PM	Job Start	1:15 AM	Finish	1:45 AM	
Lease	Chesney	Well No.	F-3	Location	6N 4 1/2 E 3 N 2 3/4 E			County	Rock	State	KS					
Contractor	Emphasis Rig 6													Owner	Horizontal Development & Prod	
Type Job	Surface													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.		
Hole Size	12 1/4		T.D.	218'												
Csg.	8 5/8 20#		Depth	216'												
Tbg. Size			Depth													
Drill Pipe			Depth													
Tool			Depth													
Cement Left in Csg.	15'		Shoe Joint													
Press Max.			Minimum													
Meas Line	NO		Displace	13 Bbls												
Perf.																

EQUIPMENT

Hys	No.	Cementer	Dean Rundle
Pumptrk	277	Helper	
Pumptrk	279	Cementer	Carl Bathin
		Helper	Wayne M.
Bulktrk	283	Driver	
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Trk chrg	430.00
	2 ²⁵ per mile 14 miles	31.50
	8 5/8 Surface Plug	42.00
	Sub Total	503.50
	Tax	
	Total	

Remarks: Ran 6 Joints 8 5/8 Csg
 cement did circulate
 cemented w/ 130 sk 60/40 342

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

Purchase Order No.
 X Larry Langlois
CEMENT

Amount Ordered	130 sk 60/40 342 CO 2-9 Gel		
Consisting of			
Common	78 SKS	575	448.50
Poz. Mix	52 SKS	3.00	156.00
Gel.	2 SKS	7.00	N/C
Chloride	4 SKS	25.00	100.00
Quickset			
		Sales Tax	
Handling	100		130.00
Mileage 14m	.04		72.80
		Sub Total	907.30
		Total	

Floating Equipment

Thank You.

15-163-23241-00-00

Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

8199

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	1-27-94	Sec.	13	Twp.	8	Range	17	Called Out	9:00 AM	On Location	1:00 AM	Job Start	4:30 PM	Finish	5:30 PM
Lease	Chesney	Well No.	"F" #3	Location	Plainville	Len	4 1/2	3 1/2	4 1/2	County	Rooks	State	Kansas		
Contractor	Emphasis Oil Operations Rigg										Owner	SAME			
Type Job	Production										To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.				
Hole Size	7 7/8"		T.D.	3316'											
Csg.	5 1/2"		Depth	3314'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool	Arrow Portcollar 5 1/2"		Depth												
Cement Left in Csg.	46.88		Shoe Joint	46.88											
Press Max.			Minimum												
Meas Line	yes		Displace												
Perf.															

EQUIPMENT

#228	No.	Cementer	M Kaufman
Pumptrk		Helper	Glenn G.
#160	No.	Cementer	
Pumptrk		Helper	
Bulktrk		Driver	Paul D.
Bulktrk		Driver	

DEPTH of Job

Reference:	#	Pump Trk	980.00
		1- 5 1/2" Rubber plug	45.00
		2 25 Permils 14m	31.50
		Sub Total	1056.50
		Tax	
		Total	

Remarks:

15 SKS in Rat Hole.
Float Held

[Handwritten Signature]

Charge To: Horizontal Development & Production
Street: 2535 Marsh Lane #808
City: Carrollton State: TX 75006
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. *[Signature]*
X *[Signature]*
CEMENT

Amount Ordered	165 SKS 60/40 p2.10/2 salt 5% Gil	
Consisting of	500 Gal WFR-2	
Common	99	575 569.25
Poz. Mix	66	300 198.00
Gel.		
Chloride	Salt 16	525 84.00
Quickset	Gil 717#	39 279.63
	WFR2 500gal	1.00 500.00
	Sales Tax	
Handling	100	165.00
Mileage	04	92.40
	Sub Total	1888.28
	Total	

Floating Equipment	(52)	
6 - Centralizers		\$ 336.00
1 - Basket		127.00
1 - AFU Insert		189.00
1 - Guide Shoe		125.00
1 - Arrow portcollar		1785.00
	#	2562.00

Russell, KS
61, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

15-163-23241-00-00
Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

8059

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	2-18-94	Sec.	13	Twp.	8	Range	17	Called Out		On Location	9:00 AM	Job Start		Finish	2:15 PM
Lease	Chesney	Well No.	E-3	Location	Plainville 6N 9E 3N 3E			County	Rooks	State	Ks				
Contractor	Lightning Well Service														
Type Job	port collar														
Hole Size	T.D.														
Csg.	5 1/2	Depth													
Tbg. Size	2"	Depth													
Drill Pipe	Depth port collar @														
Tool	Reinhart	Depth													
Cement Left in Csg.	Shoe Joint														
Press Max.	Minimum														
Meas Line	Displace														
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.

Horizontal Dev. & Prod. Inc.

Charge To

H. D. P.

Street

2535 Marsh Lane, #1208

City

Carrollton State Tx 75006

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X

Wally P B

CEMENT

Amount Ordered

275 60 40 6 1/2 gal 4/16 flow seal

Consisting of

Common	165	575	948.75
Poz. Mix	110	3.00	330.00
Gel.	10	7.00	70.00

Chloride

Quickset

Flo Seal 69#

110 75.90

Sales Tax

Handling

1.00 275.00

Mileage

16m .04 176.00

Sub Total

1875.65

Total

Floating Equipment

EQUIPMENT

Hays	No.	Cementer	<i>Dave</i>
Pumptrk	153	Helper	<i>Mark</i>
	No.	Cementer	
Pumptrk		Helper	
		Driver	<i>Wayne</i>
Bulktrk	218	Driver	

DEPTH of Job

Reference:		
	<i>pump tik chg</i>	525.00
	<i>225 per mile 16m</i>	36.00
	Sub Total	561.00
	Tax	
	Total	

Remarks:

*tested plug @ 1500psi & held
found port collar opened
cir to surface, shutt tool
& tubing*

*cir oil out of hole,
& cemented w/ 275 sk &
washed cement out of casing*