

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

Operator: License # 03628

Name: HARVEST ENERGY COMPANY

Address 3501 S. CORONA, #7

ENGLEWOOD, CO 80110

City/State/Zip _____

Purchaser: PEOPLES NATURAL GAS

Operator Contact Person: ALAN L. NACKERUD

Phone (303) 781-8750

Contractor: Name: D C DRILLING

License: 31452

Wellsite Geologist: ALAN L. NACKERUD

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: _____

Comp. Date _____ Old Total Depth _____

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

6/16/94 6/19/94 8/19/94
Spud Date Date Reached TD Completion Date

API NO. 15- 023-20345-00-00

County CHEYENNE

C - NE - SW - Sec. 31 Twp. 4S Rge. 39 E

1980 Feet from S/N (circle one) Line of Section

1980 Feet from E/W (circle one) Line of Section

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

Lease Name ZWEYGARDT Well # 1-31

Field Name WHEELER

Producing Formation NIOBRARA

Elevation: Ground 3570 KB 3575

Total Depth 1465 PBDT 1434

Amount of Surface Pipe Set and Cemented at 363 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ in cmt.

Drilling Fluid Management Plan ALT L 92/ 7-27-95
(Data must be collected from the Reserve Pit)

Chloride content 20,000 ppm Fluid volume 100 bbls

Dewatering method used EVAPORATION

Location of fluid RELEASED offsite:

Operator Name JAN 17 1996

Lease Name _____ License No. _____

FROM CONFIDENTIAL
Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

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 [Signature]

Title OWNER Date 10/14/94

Subscribed and sworn to before me this 14TH day of OCTOBER 19 94

Notary Public [Signature]

Date Commission Expires MY COMMISSION EXPIRES SEPTEMBER 29, 1996

RECEIVED STATE CORPORATION COMMISSION
OCT 19 1994
K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name HARVEST ENERGY COMPANY

Lease Name ZWEYGARDT Well # 14-31

Sec. 31 Twp. 4S Rge. 39
 East
 West

County CHEYENNE

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.)

Log Formation (Top), Depth and Datum Sample
 Name _____ Top _____ Datum _____
 NIOBRARA 1320 _____ KB

List All E.Logs Run:

DUAL INDUCTION
 COMP. NEUT./DENS.

CASING RECORD <input checked="" 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	9 7/8	7	20	363	60/40POZ	115	3%CC, 2%CAL
PRODUCTION	6 1/4	4 1/2	10.5	1446	COMMON	65	

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	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	1338-1356	58,000# 20/40 SAND	SAME
		43,000# 10/20 SAND	
		50 TONS CO2	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SMD or Inj. 9/6/94
 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		50			

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

METHOD OF COMPLETION
 Open Hole Perforated Dual/Ty Comp. Commingled
 Other (Specify) _____

Production Interval
1338-1356

Phone 913-483-2627, Russell, KS
 Phone 316-793-5861, 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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7663
ORIGINAL

new

Date	6-17-94	Sec.	31	Fwp.	4	Range	39	Called Out		On Location	1:20 ^{PM}	Job Start		Finish	2:00 ^{PM}
Lease	Zweyhardt Well No. 1-31			Location Wheeler 65-1/2W-1/4N				County Cheyenne		State Kan					
Contractor	D. C. Drlys Co.							Owner Harvest Energy Co.							
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	9 7/8			T.D.			364'								
Csg.	7"			Depth			363'								
Tbg. Size				Depth											
Ball Pipe				Depth											
Tool				Depth											
Cement Left in Csg.				Shoe Joint											
Press Max.				Minimum											
Meas Line				Displace			13 3/4 55								
Perf.															

CONFIDENTIAL

EQUIPMENT

Pumptrk	No.	Cementer	Walt Wayne
	191	Helper	
Pumptrk	No.	Cementer	Jason
		Helper	
Bulktrk	212	Driver	
		Driver	

DEPTH of Job

Reference:	Pumptruck	
	225 per mile	
		Sub Total
		Tax
		Total

Remarks:
 Cement Dial Circ

Charge To	D. C. Drlys Co.		
Street			
City	State		
The above was done to satisfaction and supervision of owner agent or contractor.			
Purchase Order No.	X Kelly Christianson		
Amount Ordered	115 SKS 6% ⁴⁰ 3% ⁵⁰ - 2% ⁶⁰		
RELEASED			
Consisting of			
Common	JAN 17 1996		
Poz. Mix			
Gel.			
Chloride	FROM CONFIDENTIAL		
Quickset			
Sales Tax			
Handling	1.00 per SK		
Mileage	4¢ per SK/mile		
Sub Total			
Total			

Floating Equipment 7"

1- Centralizer

STATE CORPORATION COMMISSION

OCT 19 1994

COMSERVATION DIVISION

WILLIAM H. HARTMAN

Thel Co

Phone 913-483-2527, Russell, KS
 Phone 816-793-5861, 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

ALLIED CEMENTING CO., INC. 7665

Home Office P. O. Box 31 Russell, Kansas 67665

6-20-94

Date	6-20-94	Sec.	31	Twp.	4	Range	39	Called Out	midnight	On Location	1:30 AM	Job Start	2:00 AM	Finish
Well No.	1-31	Location	Uhealer 65-1'kw-2M-4					County	Cheyenne		State	Kan		
Contractor	D.C. Daly Co #2													
Type Job	Production String													
Hole Size	6 1/4"		T.D.	1465'										
Cas	4 1/2		Depth	1446'										
Trp. Size	Depth													
Drill Pipe	Depth													
Tool	Depth													
Cement Left in Csg.	15'		Shoe Joint	15'										
Press Max.	Minimum													
Max Line	Displace <input checked="" type="checkbox"/> 23 1/4													
Perf.														

Owner Harvest Energy
 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.

CONFIDENTIAL

Charge To Harvest Energy
 Street P.O. Box 620066
 City Littleton State Co. 80162

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

Purchase Order No. [Signature]

CEMENT

Amount Ordered 65 sks com

Consisting of RELEASED

Common									
Poz. Mix									
Gel.									
Chloride									
Quickset									

FROM CONFIDENTIAL

EQUIPMENT

Pump	No.	Cement	Helper	Driver
Pump	191		Walt	Wayne
Pump				
Baker	212			Steve
Baker				

DEPT. of Job	Pumptruck	239 per mile							
Sub Total									
Tax									
Total									

Sales Tax

Handling 1.00 per sk

Mileage 4¢ per sk/mile

Sub Total

Total

Floating Equipment 4 1/2

- 1 - Guide Shoe -
- 1 - Latch down Assy -
- 4 - Slim hole Cent -
- 1 Basket -

Latch down Assy