

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

00-00 ORIGINAL

API NO. 15- 023-20,315  
County CHEYENNE  
-APP- SW -SE Sec. 30 Twp. 4S Rge. 39 X E

Operator: License # 03628

660 Feet from (S)N (circle one) Line of Section  
1480 Feet from (E)W (circle one) Line of Section

Name: HARVEST ENERGY COMPANY

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

Address P.O. BOX 620006

LITTLETON, CO 80162

City/State/Zip \_\_\_\_\_

Lease Name NEITZEL Well # 1-30

Purchaser: PEOPLES NATURAL GAS COMPANY

Field Name WHEELER

Operator Contact Person: ALAN L. NACKERUD

Producing Formation NIOBRARA (BEECHER ISLAND)

Phone (303) 972-8750

Elevation: Ground 3547 KB 3553

Contractor: Name: EXCELL DRILLING COMPANY

Total Depth 1437 PBDT 1403

License: 08273

Amount of Surface Pipe Set and Cemented at 350 Feet

Wellsite Geologist: ALAN L. NACKERUD

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

X New Well        Re-Entry        Workover

If yes, show depth set \_\_\_\_\_ Feet

       Oil        SWD        SLOW        Temp. Abd.

If Alternate II completion, cement circulated from \_\_\_\_\_

X Gas        ENHR        SIGW

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

       Dry        Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan 5-2-89  
(Data must be collected from the Reserve Pit)

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

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

Chloride content N/A ppm Fluid volume 107 bbls

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

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Deaerating method used EVAPORATION

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

MAR 12 1992

Location of fluid disposal if hauled offsite: 3-12-92

       Deepening        Re-perf.        Conv. to Inj/SWD

       Plug Back \_\_\_\_\_ PBDT \_\_\_\_\_

       Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

       Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

       Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator Name \_\_\_\_\_

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

10/29/91 10/30/91 12/16/91

Spud Date Date Reached TD Completion Date

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 3/9/92

Subscribed and sworn to before me this 9th day of March 19 92.

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_

My Commission expires July 27, 1992  
8441 W. Bowles Ave.  
Littleton, CO 80123

K.C.C. OFFICE USE ONLY  
F        Letter of Confidentiality Attached  
C        Wireline Log Received  
C        Geologist Report Received  
Distribution  
       KCC        SWD/Rep        NGPA  
       KGS        Plug        Other  
(Specify)

Operator Name HARVEST ENERGY COMPANY

Lease Name NEITZEL

Well # 1-30

Sec. 30 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums Name: NIOBRARA      Top: 1322      Datum: KB	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

List All E.Logs Run:  
DUAL INDUCTION  
COMPENSATED NEUTRON/DENSITY

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	350	NEAT	150	-
PRODUCTION	6 1/4	4 1/2	9.5	1414	50/50 POZ	75	2% GEL

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	1322-26, 1328-30, 1336-48	9,000 GALS. 10%HCL	SAME
		360 GALS. GLACIAL ACETIC	
		20 TONS CO2	

TUBING RECORD	Size	Set At	Packer At	Liner Run
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 12/21/91	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		48			

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 1322-1348



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

STAGE NO.

# ORIGINAL

Date 10-30-91 District Oakley Ticket No. 609968  
 Company Harpst Energy Rig Excel  
 Lease Wichita + Nictel Well No. 1-30  
 County Cheyenne State KS  
 Location Goodland W. Chulime Field  
 Size: 14" x 14" x 14"

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2 Type \_\_\_\_\_ Weight 9.5 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 6 1/4 T.D. 1452 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0163 Lin. ft./Bbl. 42  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 50/50 pos  
2 1/2 cc, 2 gages Excess \_\_\_\_\_

Amt. 75 Sks Yield 1.23 ft<sup>3</sup>/sk Density 14.4 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

WATER: Lead 5.4 gals/sk Tail \_\_\_\_\_ gals/sk Total 9.6 Bbls.

Pump Trucks Used BSU 6463

Bulk Equip. BSU 2037

Float Equip: Manufacturer Baker

Shoe: Type Cement Nose Depth 1414

Float: Type Latchdown Plug Depth 51403

Centralizers: Quantity 5 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip \_\_\_\_\_

Disp. Fluid Type water Amt. 21.9 Bbls. Weight \_\_\_\_\_ PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER \_\_\_\_\_

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
<u>9:00</u>						<u>arr loc with float equip (early)</u>
<u>9:30</u>						<u>call for trucks + start float equip</u>
<u>11:30</u>						<u>trucks arrive hold pre job safety meeting set up equipment</u>
<u>4:00</u>						<u>hook up valve</u>
<u>4:45</u>				<u>3-4</u>		<u>pump 20 Bbls KCh water 2 1/2%</u>
<u>5:00</u>				<u>1.5-2</u>		<u>mix cement</u>
<u>5:15</u>						<u>drop plug + displace latchdown plug</u>
<u>5:25</u>						<u>plug landed @ 1150 psi</u>
<u>5:30</u>						<u>Job complete</u>
						<u>T. Hunter Rent Crew</u>

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 FEB 25 1992  
 CONSERVATION DIVISION  
 WICHITA, KS