

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

API NO. 15- 077-21362 0000

County Harper County, Kansas

C-NW - SE - Sec. 19 Twp. 33 Rge. 7 XX^E_W

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 Minnie Dunning Well # 1-19

Field Name _____

Producing Formation _____

Elevation: Ground 1350' KB 1358'

Total Depth 4680' PBTD 4650'

Amount of Surface Pipe Set and Cemented at 304 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/ _____ sx cmt.

Drilling Fluid Management Plan ~~At 12-7-98~~ 12-7-98 OR
(Data must be collected from the Reserve Pit) R+A

Chloride content 62000 ppm Fluid volume 650 bbls

Dewatering 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. _____

Operator: License # 32321

Name: Cleary Exploration LLC

Address 5821 NW Grand Blvd. - Suite A

City/State/Zip Oklahoma City, OK 73118

Purchaser: 11-16-98

Operator Contact Person: Ron Mercer

Phone (405) 848-5019

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Rick Holcomb

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBTD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

08-12-98 08-19-98 08-20-98

Spud Date _____ Date Reached TD _____ Completion Date _____

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 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 Operations Manager Date 09/14/98

Subscribed and sworn to before me this 14th day of September, 19 98.

Notary Public [Signature]

Date Commission Expires 04/08/2001

K.C.C. OFFICE USE ONLY		
F	<input 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	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

Operator Name: Cleary Exploration LLC

Lease Name Minnie Dunning

Well # 1-19

Sec. 19 Twp. 23 Rge. 7

East
 West

County Harper County, Kansas

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:

Comp. Neutron, Array Induction, Stark
MicroLog Gamma Ray.

Log Formation (Top), Depth and Datum Sample

Name Top Datum

Hebner - (base) 3431'

Toronto - (base) 3532'

Tonkawa — 3740'

LKC — 4028'

Stark — 4178'

Marm — 4332'

Cherokee — 4446'

Mississ. — 4610'

RTD — 4680'

CASING RECORD

New 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	12-1/4"	8-5/8"	23#	304'	60/40 Poz	200	3%cc 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

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

Date of First, Resumed Production, SMD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
<i>D+A</i>	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<i>N-A</i>				

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: _____

ALLIED CEMENTING CO., INC.

9759

Federal Tax I.D.#

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

ORIGINAL SERVICE POINT:
Med. Lodge, Ks.

DATE 8-22-98	SEC. 19	TWP. 33s	RANGE 7W	CALLED OUT 2:00 P.M.	ON LOCATION 4:30 P.M.	JOB START 5:00 P.M.	JOB FINISH
BY MARY LEASED	WELL# 1-19	LOCATION Anthony, 4W-30N-7W		COUNTY Harper	STATE Ks.		
OLD OR NEW (Circle one)							

CONTRACTOR Duke Doh
 TYPE OF JOB Rotary 110
 HOLE SIZE 7 7/8 T.D. 4680'
 CASING SIZE 8 5/8 x 24 DEPTH 304
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 x hole DEPTH 1450
 TOOL DEPTH
 PRES. MAX 200 MINIMUM 110
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Clearing
 CEMENT AMOUNT ORDERED 160 SXS. 60/40/4% Gel
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 @
 @
 @
 @
 @
 HANDLING @
 MILEAGE @
 TOTAL

EQUIPMENT

PUMP TRUCK CEMENTER arry Dreding
 # 233-303 HELPER Justin Hart
 BULK TRUCK DRIVER mark Brundant
 # 301
 BULK TRUCK DRIVER

REMARKS:

1450' w/ 35 SXS.
900' w/ 35 SXS
350' w/ 40 SXS.
600' 25 SXS.
120 hole - 15 SXS.
mu. se hole - 10 SXS.
Cement ed w/ 160 SXS. 60/40/4% Gel

SERVICE

DEPTH OF JOB 1450
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 PLUG @
 @
 @
 TOTAL

CHARGE TO: Duke Doh Co.
 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 X [Signature]

X [Signature]
 PRINTED NAME

Date 8-20-98 District Med. Lodge Ticket No. 9759
 Company Clear Rig Duke #1
 Lease Minnie Blinnig Well No. 1-19
 County Harper State KS.
 Location Anthony, 4w-1/2n-1/4w Field 19-335-7w

CEMENT DATA:
 Spacer Type: Fresh H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

Casing Depths: Top 258-304 Bottom _____

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/4%Gel Excess _____
 Amt. 160 Sks Yield 1.40 ft³/sk Density 14.1 PPG _____
 WATER: Lead _____ gals/sk Tail 6.7 gals/sk Total _____ Bbls _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x hole
 Open Hole: Size 7 7/8 T.D. 4680 ft. P.B. to _____ ft.

Pump Trucks Used 233-302 Justin H.
 Bulk Equip. 301 MARK B.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 116.37 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 116.02 Lin. ft./Bbl. 16.3993
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. 0.6466 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. 0.446 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

Floater Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Floater: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh H₂O + mud Amt. _____ Bbls. Weight 8.34 PPG _____
 Mud Type Chemical Weight 9.2 PPG _____

COMPANY REPRESENTATIVE Mike Godfrey

CEMENTER Harry Drexling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE / CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
5:15		300		11	5	1450' w/ 3.55 SXS. 60/40/4
		200		9	6	Start Fresh H ₂ O Spacer
		150		4	5	Start Cement - 3.55 SXS
5:25		100		14	5 1/2	Start Fresh H ₂ O Spacer
						Start mud
						mud in. Stop Pumps
		125		14	5 1/2	910' w/ 3.55 SXS. 60/40/4
		120		-	-	Start Fresh H ₂ O Pad
		125		9	5 1/2	Start Cement - 3.55 SXS
		75		10	5	Start Fresh H ₂ O Displace
						Stop Pumps
		100		6	5	350' w/ 40 SXS. 60/40/4
		75		10	5 1/2	Start Fresh H ₂ O Pad
		50		2	4	Start Cement - 40 SXS
						Start Fresh H ₂ O Displace
						Stop Pumps
		55		6	3 1/2	60' w/ 2.55 SXS. 60/40/4
		50		2	3	Rathole - 2.55 SXS. 60/40/4
		50		1 1/2	3	Mousehole - 10 SXS. 60/40/4
						Cemented w/ 110 SXS. 60/40/4 %Gel

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. (THANK YOU)

ALLIED CEMENTING CO., INC.

9755

Federal Tax I.D.#

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

SERVICE POINT

med. Lodge, ks

DATE <u>8-12-98</u>	SEC. <u>19</u>	TWP. <u>33s</u>	RANGE <u>7W</u>	CALLED OUT <u>8:15 P.M.</u>	ON LOCATION <u>10:00 P.M.</u>	JOB START <u>2:00 A.M.</u>	JOB FINISH <u>3:00 A.M.</u>
LEASE <u>Running</u>		WELL # <u>1-19</u>	LOCATION <u>Anthony, 4 1/2 - 1/2 N - 1/2 W</u>	COUNTY <u>Harper</u>	STATE <u>Ks.</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke Drq. Co.

TYPE OF JOB Surface Csg.

HOLE SIZE 12 1/4 T.D. 304'

CASING SIZE 8 5/8 x 2 3/4 DEPTH 303

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 x hole DEPTH 304

TOOL _____ DEPTH _____

PRES. MAX 200 MINIMUM 100

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15' By Request

PERFS. _____

DISPLACEMENT 18 1/2 Bbls Fresh H₂O

EQUIPMENT _____

OWNER Clary Exploration

CEMENT AMOUNT ORDERED 200 SXS. 60/40/ 3% CALCL + 2% Gel

COMMON 130

POZMIX 80

GEL 3

CHLORIDE 6

PUMP TRUCK # 343 CEMENTER Harry Oreiling

BULK TRUCK # 301 DRIVER James Holt

HELPER Shane Winsor

DRIVER _____

HANDLING 200

MILEAGE 200 x 22

REMARKS:

Pipe on Bottom Break Circ.
 mix + Pump 200 SXS. CLASS A
 60/40/3% CALCL + 2% Gel.
 Cement In. Stop Pumps
 Release Plug. Pump + Displace
 Plug w/ 18 1/2 Bbls Fresh H₂O. Stop
 Pumps. Shutt In. Cement Circ
 to Surface.

SERVICE

DEPTH OF JOB 303'

PUMP TRUCK CHARGE 0-300'

EXTRA FOOTAGE 3

MILEAGE 32

PLUG WOOD 8 1/2"

CHARGE TO: Duke Drq. Co.

STREET P.O. Box 823

CITY GREAT BEND STATE KANSAS ZIP 67530

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 X Mike Godfrey

X MIKE Godfrey
PRINTED NAME