

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

API NO. 15- 101-21,763 0000

County Lane

N¹/₂ - N¹/₂ - NE Sec. 23 Twp. 19 Rge. 29 X ^E _W

360 Feet from (N) (circle one) Line of Section

1,350 Feet from (E) (circle one) Line of Section

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

Lease Name Hansen Well # 1

Field Name Paris Ext.

Producing Formation Marm. Alt. "B"

Elevation: Ground 2818' KB 2826'

Total Depth 4653' PBDT 4570'

Amount of Surface Pipe Set and Cemented at 208' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 2147' Feet

If Alternate II completion, cement circulated from 2147' feet depth to surface w/ 250 sx cmt.

Drilling Fluid Management Plan ALT 2 10-19-98 JK
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 800 bbls

Dewatering method used evaporate

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 # 32,322 **ORIGINAL**

Name: Dennis F. Roberts

Address 3904 Fairway Dr.

City/State/Zip Hays, Ks. 67601

Purchaser: N.C.R.A.

Operator Contact Person: Dennis F. Roberts

Phone (785) 625-8526

Contractor: Name: Discovery Drilling, Inc.

License: 31,548

Wellsite Geologist: Randall Kilian

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 PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

7-3-98 7-13-98 8-10-18-98
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 Randall Kilian
Randall K. Kilian

Title Well-site Geologist Date 8-31-98

Subscribed and sworn to before me this 31 day of August, 19 98.

Notary Public Misti L. Menzies

Date Commission Expires Aug. 14, 2002

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

State of Kansas
County of Ellis



SIDE TWO

Operator Name Dennis F. Roberts Lease Name Hansen Well # 1

Sec. 23 Twp. 19 Rge. 29 East
 West County Lane

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:
 Dual Ind., Dual Comp. \emptyset

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample		
Name	Top	Datum
Anh.	2155'	+ 671
Base	2186'	+ 640
Hb. Sh.	3962'	-1132
Lansing	4006'	-1180
Stark Sh.	4286'	-1460
Base Kc.	4365'	-1539
Alt. B.	4444'	-1618
Cherokee	4561'	-1735
Miss.	4632'	-1806

CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/4"	8 5/8"		208'	60/40 Poz	150	2% gel
Prod.	7 7/8"	5 1/2"	15.5#	4620'	ASC	150	7# gil

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2147-Sur	65-35 Poz	250	8% gel, 1/4#sx flocele

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
4 jspf	4444-48'	500 gal. MCA 4444-48'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8" EUE	4,527"		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SUD or Inj.			Producing Method		
8-21-98			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 25 Bbls.	Gas Mcf	Water 0 Bbls.	Gas-Oil Ratio	Gravity
					35

Disposition of Gas: **METHOD OF COMPLETION** Production Interval 4444-48'
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4444-48'
 (If vented, submit ACO-18.) Other (Specify) _____

DRILL STEM TESTS ORIGINAL

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc H-I 4173- 4245'	67# 67# 30"	883# 30"	78# 67# 30"	872# 30"	2061# 2038#	122' O,C,Mud
2	LKc MCL 4320- 4347'	213# 627# 30"	750# 45"	671# 727# 30"	738# 30"	2140# 2129#	40' C,G,Oil 700' Sl,O,&,M,C,Wtr 872' Sul. Wtr.
3	Mn A-B 4390- 4470'	233# 534# 30"	796# 30"	579# 669# 30"	852# 30"	2233# 2222#	90' G.I.P. 1,767' M,G,Oil
4		Two zones contribute to SIP.					15-101-21763
5							
6							
7							
8							



N. Hwy 183
P.O. Box 1199
Hays, KS 67601
913-625-4670

PIPE TALLY

Date July 1-98

Company Discovery Drill
Donna Roberts Turvey

Lease _____

Size <u>8 5/8</u>		New	Used <u>X</u>	Limited Service	Weight <u>23</u>	Grade	Type	Range <u>3</u>											
Column 1		Column 2		Column 3		Column 4		Column 5		Column 6		Column 7		Column 8		Column 9		Column 10	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	39	30																	
2	39	40																	
3	40	10																	
4	43	50																	
5	35	30																	
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
Total	197	60																	

Subtotal this page _____

(5)
Total Number of Joints

197.60 GRAND TOTAL

Tallied By
[Signature]
Received In Good Order By

Casing Head & Accessories Other

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."

DISCOVERY DRILLING

ORIGINAL

OPERATOR: DENIS F. ROBERTS LEASE: HANSEN # 1
RIG # 2 DATE: July 4, 1998
DEPTH @ 7:00 A.M. 208 PRESENT OPERATIONS: Down For Holiday
DEPTH PREVIOUS @ 7:00 A.M. 0
PROGRESS: 208
MUD VIS. _____ WT. _____ W.L. _____
DOWN TIME: _____ REASON: _____
FUEL _____ OILS _____ PRO-PANE _____
WATER _____ REMARKS: Ran 5 Joints Used 23# 8 5/8" Casing Tally 196.10
DRILLING _____ DST _____ Set @ 206.10 Cement By Allied W/150sks 60/40 Poz
CONN _____ OTHER _____ 2% Gel & 3%CC (Did Circ) Completed @ 9:00PM 7/3/98
JET _____ SPUD 12 1/4 @ 4:15PM 7/3/98
TRIP _____ Survey @ 208' (3/4°)
REPAIRS _____

DISCOVERY DRILLING

OPERATOR: DENIS F. ROBERTS LEASE: HANSEN # 1
RIG # 2 DATE: July 7, 1998
DEPTH @ 7:00 A.M. 2170 PRESENT OPERATIONS: Drilling
DEPTH PREVIOUS @ 7:00 A.M. 208
PROGRESS: 1962
MUD VIS. 28 WT. 9.3 W.L. N/C
DOWN TIME: None REASON: _____
FUEL 19" OILS 8"C 5"90wt 14"M PRO-PANE 30%
WATER Tank(full) Pit(1/4) REMARKS: Bit # 2= 15 Hrs.
DRILLING 15 Start 2 1/4 Anhydrite (2158-2190)
CONN 5 1/2 OTHER _____ CMC= \$632.29 Including Freight
JET 3/4 Rig Ser. 1/2
TRIP _____
REPAIRS _____

ALLIED CEMENTING CO., INC.

8119

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT:

OAKLEY

DATE <u>7-3-98</u>	SEC. <u>23</u>	TWP. <u>19S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>700 AM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>HANSEN</u>	WELL # <u>1</u>	LOCATION <u>Dighton 65-1410</u>		COUNTY <u>KANSAS</u>		STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

RECEIVED
KANSAS CORPORATION COMMISSION

CONTRACTOR DISCOVERY OIL & GAS #2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 208'

CASING SIZE 8 3/8" DEPTH 206'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12" 1000L

OWNER SAME

CEMENT

AMOUNT ORDERED 15050 640/1023860 286

OCT 20 1998
10/20/98
CONSERVATION DIVISION
WICHITA

COMMON	<u>9050</u>	@	<u>6 35</u>	<u>571 50</u>
POZMIX	<u>6050</u>	@	<u>3 25</u>	<u>195 00</u>
GEL	<u>350</u>	@	<u>9 50</u>	<u>25 50</u>
CHLORIDE	<u>500</u>	@	<u>28 00</u>	<u>140 00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>1500</u>	@	<u>1 05</u>	<u>157 50</u>
MILEAGE	<u>600 720 51</u>			<u>210 00</u>
TOTAL				<u>1302 50</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

300 HELPER WARRNE

BULK TRUCK

218 DRIVER LOUNGE

BULK TRUCK

DRIVER

REMARKS:

SERVICE

CEMENT NEW CIRC

Thank You

DEPTH OF JOB	<u>206'</u>	<u>470 00</u>
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	<u>35 mi</u>	@ <u>2 85</u> <u>99 75</u>
PLUG	<u>8 3/8 SURFACE</u>	@ <u>45 00</u>
	@	
	@	
TOTAL		<u>614 75</u>

CHARGE TO: DEWITS ROBERTS OIL

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

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

TOTAL _____

ALLIED CEMENTING CO., INC.

2804

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT: R

DATE <u>7/12/98</u>	SEC <u>23</u>	TWP <u>19S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION <u>9:30pm</u>	JOB START	JOB FINISH <u>1:30 Am</u>
LEASE <u>Hansen</u>	WELL # <u>1</u>	LOCATION <u>Dighton 6S 1/4 W</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Discovery Drilling

TYPE OF JOB Production String

HOLE SIZE 7 7/8 T.D. 4650

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 15.5 110 BBL

OWNER

CEMENT

AMOUNT ORDERED 150 ASC 7% Gilsomite
3/4 of 1% CD-31
500 gal WFR-2 25 BBL Salt flush

COMMON	<u>150 ASC @</u>	<u>8.20</u>	<u>1230.00</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
<u>Salt</u>	<u>12 @</u>	<u>7.00</u>	<u>84.00</u>
<u>Gilsomite</u>	<u>987# @</u>	<u>.41</u>	<u>404.67</u>
<u>CD-31</u>	<u>70# @</u>	<u>4.45</u>	<u>311.50</u>
<u>WFR2</u>	<u>500 gal @</u>	<u>1.00</u>	<u>500.00</u>
		@	
HANDLING		@	<u>105</u>
MILEAGE <u>40 m</u>		<u>04</u>	<u>240.00</u>
TOTAL			<u>2927.67</u>

EQUIPMENT

PUMP TRUCK # _____ CEMENTER HELPER Dave Wiley

BULK TRUCK # _____ DRIVER

BULK TRUCK # 213 DRIVER Jason

REMARKS:

plug Rat hole & mouse hole
Over 115 sk & 10 sk

Float Hold

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1080.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 40 @ 2.85 114.00

PLUG 5 lb Rubber @ 50.00

TOTAL ~~1279.50~~ 1244.00

CHARGE TO: Dennis Roberts Oil

STREET 3904 Fairway Drive

CITY Hays STATE Kan ZIP 67601

FLOAT EQUIPMENT

1998 OCT 13 10 13 08

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.

SIGNATURE T.C. Larson

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

T.C. LARSON

PRINTED NAME

ALLIED CEMENTING CO., INC.

7949

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

ORIGINAL

Dalby

DATE <u>7-20-98</u>	SEC. <u>23</u>	TWP. <u>19S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START	JOB FINISH <u>NOON</u>
LEASE <u>Hansen</u>		WELL # <u>1</u>	LOCATION <u>Dighton 6S-1/2W-S.S.</u>		COUNTY <u>Lane</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Chayome Well Service OWNER Same

TYPE OF JOB Part Collar

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 1/2 DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Part Collar DEPTH 2136'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. none

PERFS. _____

DISPLACEMENT _____

CEMENT

AMOUNT ORDERED 400 SKs 65/35 702
8% Cel, 1/4" Flo-Seal
(used 250 SKs)

COMMON	<u>163 SKs</u>	@	<u>6 35</u>	<u>1,035 05</u>
POZMIX	<u>87 SKs</u>	@	<u>3 25</u>	<u>282 75</u>
GEL	<u>17 SKs</u>	@	<u>9 50</u>	<u>161 50</u>
CHLORIDE		@		
	<u>Flo-Seal 63#</u>	@	<u>1 15</u>	<u>72 45</u>
		@		
		@		
		@		
		@		
HANDLING	<u>400 SKs</u>	@	<u>1 05</u>	<u>420 00</u>
MILEAGE	<u>4 1/2 hrs SK/mile</u>			<u>560 00</u>
TOTAL				<u>2,531 75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt

300 HELPER Wayne

BULK TRUCK DRIVER Andrew

280

BULK TRUCK DRIVER _____

REMARKS:

SERVICE

Test casing to 1500 psi, hold
Opened Tool, Pumped into ports
at 4:30 PM @ 500 psi, mixed approx
250 SKs cement, Circ cement to
Surface, Displaced 11 1/2 Bbl, closed
Tool, Test to 1500 psi, hold, ran
3 Jts, cleared tubing + casing

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 580 00

EXTRA FOOTAGE _____ @ _____

MILEAGE 35 miles @ 2 85 99 75

PLUG _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 679 75

CHARGE TO: Dennis F Roberts

STREET Box 1252

CITY Wayne STATE Kansas ZIP 67601

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 T.C. Pearson

PRINTED NAME _____

1998 OCT 13 P 2:47
10/31/98
RECEIVED
KANSAS CDR 10/11