

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

API NO. 15-

101-21-272-0000

ORIGINAL

County Lane  
30'S  
70'E E/2-W/2- NE Sec. 23 Twp. 19s Rge. 29w X W

Operator: License # 32322

Name: DENIS ROBERTS OIL

Address 3904 Fairway Drive

City/State/Zip Hays, Kansas 67601

Purchaser: Cooperative Refining LLC

Operator Contact Person: Denis F. Roberts

Phone (785) 625-8526

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

Wellsite Geologist: Randall Kilian

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  S10W  Temp.  
 Gas  EMIR  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  PBIT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11/6/99 11/17/99 11/18/99  
Spud Date Date Reached TD Completion Date

1350 Feet from S (circle one) Line of Section

1580 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 # 2

Field Name Paris Ext.

Producing Formation Lansing KC

Elevation: Ground 2822 KB 2830

Total Depth 4555 PBITD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 216.48 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2156' Feet

If Alternate If completion, cement circulated from 2152'

feet depth to surface w/ 235 ex cmt.

Drilling Fluid Management Plan ALT 2 1-11-00 JK  
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 480 bbl.

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

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

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 Randall Kilian  
Title Consulting Geologist Date 12-21-99

Subscribed and sworn to before me this 21 day of December  
19 99

Notary Public Dorcas Myers

Date Commission Expires: 12-9-00

DORCAS MYERS  
NOTARY PUBLIC  
STATE OF KANSAS  
177 West Elm 12-9-00

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 DENIS ROBERTS OIL

Lessee Name Harrison

Well # 2

Sec. 23 Twp. 19s Rge. 29w  
 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:

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	2160'	2184'
Heeb Sh	3958'	3962'
Lansing	4002'	4368'
Alt. "B"	4445'	4450'
TD	4555'	

Comp. N-D Dual Ind. Sonic Cement Bond

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 Pipe	12 1/4	8 5/8	23	216.48	60/40Poz	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4544	ASC	150	7#Gil/SK 3/4%CFR

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> P.C. Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2,152'	65/53 Poz	235 sx	8% gel, 1/4# sk Flocele

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
34 shots	Perf 4445.5-4448.5' Alt. "B"	500 gal 20% MCA "tite"	0 oil
4 spf	Perf 4240-48 LKc. "I"	500 gal 20% MCA, 1,000 gal 15% NE	
	swab	32.77 BBLs/Hr.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8" EUE	4460.5'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SVD or Inj.	Producing Method
12-09-99	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	100				36

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  
 LKc. "I"  
 4240-48'

ORIGINAL

## DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc Mc-I 4170- 4255'	139# 619# 30"	1043#  45"	636# 947# 60"	1019#  75"	2098# 2042#	130' Sl,G,Oil 36 grv 1050' Sl,G,O,M,C,Wtr. 870' Wtr.
2	LKc K-L 4295- 4351'	116# 432# 30"	782#  30"	441# 652# 45"	789#  60"	2111# 2096#	1410' Wtr. w/ S.O.
3	Alt. B 4425- 4478'	22# 23# 30"	99#  30"	25# 28# 45"	78#  60"	2260# 2243#	3' Mud, S.O.
4	LKc I 4236- 4255'	33# 87# 30"	814#  45"	96# 170# 60"	786#  90"	2103# 2093#	215' G.I.P. 415' G,M,Oil 36 grv
5							
6							
7							

RECEIVED  
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DEC 23 1999

Conservation Division  
Wichita, Kansas

# DRILL STEM TESTS

ORIGINAL

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
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5							
6							
7							

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Conservation Division  
Wichita, Kansas

# ALLIED CEMENTING CO., INC.

1536

Federal Tax I.D.# 48-0727860

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

ORIGINAL

SERVICE POINT:

*Coakley*

DATE <i>11-6-99</i>	SEC. <i>23</i>	TWP. <i>19s</i>	RANGE <i>25w</i>	CALLED OUT	ON LOCATION <i>2:00PM</i>	JOB START <i>3:15PM</i>	JOB FINISH <i>3:45PM</i>
LEASE <i>Hansen</i>	WELL.# <i>2</i>	LOCATION <i>Dighton 6 S 1/4 W 5 N</i>		COUNTY <i>Linn</i>	STATE <i>KS</i>		

OLD OR NEW (Circle one)

CONTRACTOR *Discovery Drlg Rig 1* OWNER *Somc*

TYPE OF JOB	CEMENT
HOLE SIZE <i>12 1/4</i> TD. <i>218'</i>	AMOUNT ORDERED <i>150 SKS 6440 Poz</i>
CASING SIZE <i>8 7/8</i> DEPTH <i>216</i>	<i>3 1/2" 2 1/2" Gel</i>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG. <i>15'</i>	
PERFS.	
DISPLACEMENT	

EQUIPMENT		
PUMP TRUCK CEMENTER <i>Dean</i>		
# <i>191</i> HELPER <i>Wayne</i>		
BULK TRUCK		
# <i>260</i> DRIVER <i>Jim</i>		
BULK TRUCK		
# DRIVER		
		TOTAL

REMARKS:	SERVICE
<i>Cement did circulate</i>	DEPTH OF JOB <i>216'</i>
	PUMP TRUCK CHARGE
	EXTRA FOOTAGE @
	MILEAGE @
	PLUG <i>8 7/8 Surface</i> @
	@
	@
	TOTAL

CHARGE TO: *Denis Roberts oil*

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

DATE

11-12-99

11/18/99

Pipe Set 11/18/99

# ALLIED CEMENTING CO., INC. ORIGINAL

Box 31

RUSSELL, Kansas 67665

## Bid Sheet

Phone: 785 483-2627

COMPANY Dennis Roberts LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_

TYPE JOB Prod string 5 1/2 TYPE & AMOUNT MATERIAL Listed below

LOCATION 652w Dighton BID PREPARED BY Bill R. Lekan

Pump Truck		1080.00	Common	
Plug	1	Rubber	58.00	Pozmix
Footage			Gel	3 bbl e 9.50 28.50
Mileage	35	2.85	37.85	Gilswite 1050# e .32 399.00
			Liteweight	CD31105# e 445 467.25
Total		1175.85	Salt	20 bbl e 7.50 150.00
Float Equipment			WF <sup>2</sup>	500 gal e 1.00 500.00
Guide Shoe			A.S.C.	150 bbl e 8.20 1230.00
Insert			Handling	150 e 1.05 157.50
Centralizer			Mileage	.04 / 1 1/2 mi 262.50
Total			Total	3194.75

*Pa. By Turner*

FLOAT EQUIPMENT:		25 bbl e salt + Flush
PMP. TRK. CHG. :	1175.85	500 gal e WFR <sup>2</sup>
MATERIAL:	3194.75	150 bbl ASC 2% Gel
SUB TOTAL:	4370.60	7 # Gilswite p/sk
10% DISCOUNT	874.12	3 of 1% CD31
TOTAL:	3496.48	

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STATE CORPORATION COMMISSION

THIS PRICE GOOD FOR 30 DAYS FROM DATE OF BID.

JAN 04 2000 *Thank You*

**ALLIED CEMENTING CO., INC.**

P.O. BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566

\*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Invoice Number: 080158

ORIGINAL

Invoice Date: 11/18/99

*Pd*

Sold Denis Roberts  
 To: P. O. Box 1252  
 Hays, KS  
 67601

Cust I.D.....: RobeDe  
 P.O. Number...: Hansen #2  
 P.O. Date.....: 11/18/99

Due Date.: 12/18/99  
 Terms...: Net 30

Item	Qty	Price	Ext	Net	Unit
ASC	150.00				
Gel	3.00				
Gilsonite	1050.00				
CD-31	105.00				
KCL	3.00				
WFR-2	500.00				
Handling	150.00				
Mileage (38)	38.00				
150 sks @ \$.04 per sk per mi					
Production String	1.00				
Mileage pmp trk	38.00				
Rubber Plug	1.00				
SKS	8.2000		1230.00		E
SKS	9.5000		28.50		E
LBS	0.3800		399.00		E
LBS	4.4500		467.25		E
GAL	22.9000		68.70		E
GAL	1.0000		500.00		E
SKS	1.0500		157.50		E
MILE	6.0000		228.00		E
JOB	1080.0000		1080.00		E
MILE	2.8500		108.30		E
EACH	50.0000		50.00		E

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$ 863.45  
 ONLY if paid within 30 days from Invoice Date

Subtotal: 4317.25  
 Tax.....: 0.00  
 Payments: 0.00  
 Total....: 4317.25

*863.45*  
3453.80

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 STATE CORPORATION COMMISSION

JAN 04 2000

CONSERVATION DIVISION  
 Wichita, Kansas

**ALLIED CEMENTING CO., INC.**

P.O. BOX 01  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566

\*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Invoice Number: 080215

Invoice Date: 12/02/99

ORIGINAL

*pd*

Sold Denis Roberts  
 To: P. O. Box 1252  
 Hays, KS  
 67601

Cust I.D.....: RobeDe  
 P.O. Number...: Hazen #2  
 P.O. Date.....: 12/02/99

Due Date..: 01/01/00  
 Terms.....: Net 30

				Net	
ALW	235.00	SKS	6.0000	1410.00	E
Gel	7.00	SKS	9.5000	66.50	E
2% added gel	4.00	SKS	9.5000	38.00	E
FloSeal	59.00	LBS	1.1500	67.85	E
Handling	350.00	SKS	1.0500	367.50	E
Mileage (38)	38.00	MILE	14.0000	532.00	E
350 sks @ \$.04 per sk per mi					
Port Collar	1.00	JOB	580.0000	580.00	E
Mileage pmp trk	38.00	MILE	2.8500	108.30	E
Stripper Head	1.00	EACH	75.0000	75.00	E

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$ 649.03  
 ONLY if paid within 30 days from Invoice Date

Subtotal: 3245.15  
 Tax.....: 0.00  
 Payments: 0.00  
 Total....: 3245.15

*649*  
2595.12  
3453.00  
6049.92

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CONSERVATION DIVISION  
 Wichita, Kansas



# ALLIED CEMENTING CO., INC.

3290

Federal Tax I.D.# 48-0727860

P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Ness City

DATE <u>12-02-99</u>	SEC. <u>23</u>	TWP. <u>19s</u>	RANGE <u>29W</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>11:15 AM</u>	JOB START <u>1:35 PM</u>	JOB FINISH <u>3:30 PM</u>
LEASE <u>Hazen</u>	WELL # <u>2</u>	LOCATION <u>DIGHTON 65/1 1/2 W 1/4 S</u>			COUNTY <u>LANE</u>	STATE <u>Ks.</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR Plains Well Service

TYPE OF JOB Foot Collar

HOLE SIZE 7 1/2" T.D. 4555'

CASING SIZE 5 1/2" DEPTH 4544'

TUBING SIZE 2 7/8" DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER Dennis Roberts

CEMENT

AMOUNT ORDERED 350 cu ft 65/35 Az

8 1/2" Gal. 1/4" FLO SEAL ST. (100 Gal)

CEMENT 235 cu ft 7 1/2" Gal

COMMON	<u>235 ALW</u>	@	<u>6.00</u>	<u>1410.00</u>
POZMIX		@		
GEL	<u>74</u>	@	<u>9.50</u>	<u>666.50</u>
CHLORIDE		@		
	<u>2 1/2" ANNEAL GAL. 444</u>	@	<u>9.50</u>	<u>38.00</u>
		@		
	<u>Flo Seal 59 #</u>	@	<u>1.15</u>	<u>67.85</u>
		@		
HANDLING	<u>350</u>	@	<u>1.05</u>	<u>367.50</u>
MILEAGE	<u>38</u>			<u>532.00</u>

TOTAL \$ 2481.85

EQUIPMENT

PUMP TRUCK CEMENTER BUD SIM

# 224 HELPER

BULK TRUCK DRIVER RICK W

# 199

BULK TRUCK DRIVER

#

REMARKS:

Foot collar at 2152 in 5 1/2" Cas. Located  
Foot collar, Press Cas string to 1400' OK  
Opened + Closed foot collar. Mix 14 1/2" Gal  
to foot collar sat. Opened foot collar mixed  
5 1/2" Gal. Sundry (Good flow) Start to mix  
CEMENT MIXED 235 cu ft 65/35 Az 8 1/2" Gal  
1/4" FLO SEAL ST. DISPLACED CEMENT W/ 12 1/2" Gal  
Closed foot collar Press to 1400' OK  
RUN STR REVEALED CEMENT OUT OF CSG.

SERVICE

DEPTH OF JOB	<u>2152</u>		
PUMP TRUCK CHARGE			<u>580.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>38</u>	@	<u>2.85</u> <u>108.30</u>
PLUG		@	
		@	
		@	

TOTAL \$ 688.30

CHARGE TO: DENNIS ROBERTS

STREET PO Box 1252

CITY HAS STATE Ks. ZIP 67601

- 1252

FLOAT EQUIPMENT

5 1/2" Sundry Head @ 75.00

RECEIVED

STATE CORPORATION COMMISSION

JAN 04 2000

KCC REP KEVIN SPICE W/GR.

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

CONSERVATION DIVISION  
Wichita, Kansas

TOTAL \$ 75.00

# ALLIED CEMENT

Federal Tax I.D.# 48-0727860

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

SERVICE

DARKL2

DATE <u>11-18-99</u>	SEC. <u>23</u>	TWP. <u>19S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION <u>7:30 AM</u>	JOB START <u>9:45 AM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>HANSEN</u>	WELL# <u>2</u>	LOCATION <u>DELTON 65-2W</u>			COUNTY <u>LANE</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR DISCOVERY DRILLING, INC. #  
 TYPE OF JOB PRODUCTION STRIKE  
 HOLE SIZE 7 7/8" T.D. 4555'  
 CASING SIZE 5 1/2" DEPTH 4545'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL PORT COLLAR DEPTH 2157'  
 PRES. MAX 7000 PSI MINIMUM  
 MEAS. LINE SHOE JOINT 42'  
 CEMENT LEFT IN CSG. 42'  
 PERFS.  
 DISPLACEMENT 110 BBL.

OWNER SAME

CEMENT AMOUNT ORDERED  
150 SKS ASC 10% SALT 7" GEL 7" LITSONITE 3/4 OF 18 CD-31  
36 GAL KCL 500 GAL WFR-2

ASC	150 SKS	@	8 <sup>20</sup>	1,230 <sup>00</sup>
POZMIX		@		
GEL	3 SKS	@	9 <sup>50</sup>	28 <sup>50</sup>
CHLORIDE		@		
Gilsonite	1050 <sup>#</sup>	@	38 <sup>4</sup>	399 <sup>00</sup>
CD-31	105 <sup>#</sup>	@	4 <sup>45</sup>	467 <sup>25</sup>
KCL	3 gal	@	22 <sup>90</sup>	68 <sup>70</sup>
WFR-2	500 gal	@	100	500 <sup>00</sup>
HANDLING	150 SKS	@	10 <sup>5</sup>	157 <sup>50</sup>
MILEAGE	4¢ per SK/mile			228 <sup>00</sup>
TOTAL				3,078 <sup>95</sup>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY  
 # 191 HELPER DEAN  
 BULK TRUCK DRIVER JFM  
 # 260  
 BULK TRUCK DRIVER

REMARKS:

RUN  
20 BBL KCL WATER 500 GAL WFR-2  
5 BBL KCL WATER Plug RAT Hole with  
15 SKS. CEMENT CASING with 135 SKS  
ASC 10% SALT 7" GILSONITE 3/4 OF 18 CD-31 28  
Gel + Displace with 110 BBL.  
Plug Mouse Hole with 100 gal

SERVICE

DEPTH OF JOB 4545  
 PUMP TRUCK CHARGE 4,080<sup>00</sup>  
 EXTRA FOOTAGE @  
 MILEAGE 38 miles @ 2<sup>85</sup> 108<sup>30</sup>  
 PLUG HOLE

RECEIVED  
STATE CORPORATION COMMISSION

JAN 04 2000

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL