

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

Operator: License # 5038

Name: Robinson Oil Company

Address 300 W Douglas #420

City/State/Zip Wichita KS 67202

Purchaser: na

Operator Contact Person: Bruce Robinson

Phone (316) 262-6734

Contractor: Name: Allen Drilling Co

License: 5418

Wellsite Geologist: Ben C. Landes

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W 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. _____

8-9-97 8-16-97
Spud Date Date Reached TD Completion Date

API NO. 15- 033-209370000

County Comanche

C SW NW Sec. 19 Twp. 31S Rge. 20W E/W

1990 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name Ward A Well # 1

Field Name WC

Producing Formation na

Elevation: Ground 2119 KB 2128

Total Depth 5242 PBDT na

Amount of Surface Pipe Set and Cemented at 855 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 D&A 9A 3-17-98
(Data must be collected from the Reserve Pit)

Chloride content 16,000 ppm Fluid volume _____ bbls

Dewatering method used allowed to evaporate

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, 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 President Date 11/3/97

Subscribed and sworn to before me this 3rd day of November, 19 97.

Notary Public [Signature]

Date Commission Expires 5/26/98

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)

CYNTHIA L. WOLF
Notary Public - State of Kansas
My Appt. Expires 5/26/98

JAN 1970

Operator Name Robinson Oil Company

Lease Name Ward "A"

Well # 1

Sec. 19 Twp. 31 Rge. 20W

East
 West

County Comanche

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: Gr-CAL-SP-CND-DI
DST #1 5104-32. 30-60-60-90. Rec 420'
Sl.GCM & 4800' GIP.FP 132-153#, SIP
953-1014#

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Heebner	4280 (-2152)	
Douglas Shale	4324 (-2196)	
Br Lime	4452 (-2324)	
BKC	4930 (-2802)	
Cherokee	5078 (-2950)	
Inola	5166 (-3038)	
Morrow Sh	5171 (-3043)	
Miss	5186 (-3058)	
RTD	5242 LTD 5232	

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#	855	65/35 class A	200 280	6% gel, 3% CC 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, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

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

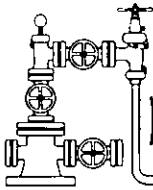
Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled _____
 Other (Specify) _____



ROBINSON OIL COMPANY

300 WEST DOUGLAS • WICHITA, KANSAS 67202 • (316) 262-6734

November 4, 1997

Kansas Corporation Commission
130 S. Market, Room 2078
Wichita, Kansas 67202

Re: Ward "A" #1
C SW NW Sec 19-31S-20W
Comanche County, Kansas


Gentlemen:

Enclosed please find the following:

1. ACO-1, in triplicate
2. All cementing tickets
3. Electric Logs
4. Geologist's Report

Sincerely,

ROBINSON OIL COMPANY


Cynthia L. Wolf

/clw
Encl

RECEIVED
KANSAS CORP COM
1997 NOV -7 A 12:52



ORIGINAL CEMENTING LOG

STAGE NO. _____

Date 8-10-97 District Medicine Lodge Ticket No. 6283
 Company Robinson Oil Co. Rig Allen Rig
 Lease Ward Well No. A-1
 County Comanche State Kansas
 Location Production N to well Field 19-315-27W
3w, 3N, E/S

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 1/2 Type _____ Weight 23.2 Collar _____

Casing Depths: Top _____ Bottom 853

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size 12 1/8 T.D. 858 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.20
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.735 Lin. ft./Bbl. 13.60
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Fresh - Rig Pump & Pipe Cap
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
A 12 1/2

LEAD: Pump Time _____ hrs. Type 65:35:6+36cc+4fl
 Excess _____

Amt. 50 Skys Yield 1.97 ft³/sk Density 12.5 PPG
 TAIL: Pump Time _____ hrs. Type Class A+36cc+2/gel
 Excess _____

Amt. 100 Skys Yield 1.34 ft³/sk Density 15.2 PPG
 WATER: Lead 10.9 gals/sk Tail 6.5 gals/sk Total 27 Bbls.

total 200 lbs + 200 A+36cc + 2/gel + 80sx A+36cc
 Pump Trucks Used 255-215 - Stone
 Bulk Equip. 259-314 John Kelly

Float Equip: Manufacturer Genisco
 Shoe: Type _____ Depth _____
 Float: Type RAPEL Plate Depth 810.49
 Centralizers: Quantity 1 Plugs Top 1 Btm. _____
 Stage Collars 1 - Basket
 Special Equip. _____
 Disp. Fluid Type fresh water Amt. 7.52 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Marvin Pate

CEMENTER Carl Bolding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
						<u>NO well</u>	
						<u>Pipe on Bottom, pump pipe cap with Rig (no circulation)</u>	
<u>5:15 pm</u>		<u>100</u>		<u>17 1/2</u>	<u>17 1/2</u>	<u>4 1/2</u>	<u>Start lead cement - 65:35:6+36cc+4fl - 50sx</u>
<u>5:20 pm</u>		<u>200</u>		<u>4 1/2</u>	<u>24</u>	<u>5</u>	<u>Start tail cement 100sx Class A+36cc+2/gel</u> <u>Support in stage on production line</u> <u>run 1/2 inch ha bonding joint</u>
<u>5:35 pm</u>		<u>50</u>		<u>45</u>	<u>53 1/2</u>		<u>start displacement</u> <u>displacement 7 1/2 inch plug</u>
<u>6:10 pm</u>		<u>300</u>		<u>125</u>	<u>30</u>		<u>Run 30 feet of line in Annulus</u> <u>pump 100sx 65:35:6+36cc+4fl - seal</u> <u>well 1 inch - 3 feet fill on bottom joint</u> <u>last 45 minutes</u>
<u>7:15 pm</u>		<u>300</u>		<u>148</u>	<u>23</u>		<u>Pump 100sx Class A+36cc+2/gel</u> <u>well 1 inch (no fill)</u>
<u>7:30 pm</u>		<u>0</u>		<u>160</u>	<u>12</u>		<u>pump 50sx 65:35:6+36cc+4fl - seal</u>
<u>10:15 pm</u>		<u>0</u>		<u>176</u>	<u>16</u>	<u>3</u>	<u>pump 45sx Class A+36cc</u> <u>(cement dot surface)</u>

ALLIED CEMENTING CO., INC. 6283

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

ORIGINAL

SERVICE POINT: Medicine Lodge

DATES-10-97	SEC. 19	TWP. 31 S	RANGE 20 W	CALLED OUT 10:30 AM	ON LOCATION 1:45 PM	JOB START 5:15 PM	JOB FINISH 11:00 C
LEASE/Var D	WELL# A-1	LOCATION Protection N/A - curve 3 W / 3 N			COUNTY Comanche	STATE Kansas	

OLD OR NEW (Circle one)

CONTRACTOR Allen Rig 1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 858
 CASING SIZE 8 1/2 x 23 DEPTH 853
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 100 MINIMUM ---
 MEAS. LINE SHOE JOINT 42.31
 CEMENT LEFT IN CSG. 42.31
 PERFS.

OWNER Robinson C. L. Co.
 CEMENT

AMOUNT ORDERED 200 ex 45:35:1 + 37cc + 4 Fl. Seal
200 ex Class A + 37cc + 21 gel
1 50 ...

COMMON @ _____
 POZMIX @ _____
 GEL @ _____
 CHLORIDE @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING @ _____
 MILEAGE @ _____
 TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER Carl Baldwin
 #255-265 HELPER Steve Winsap
 BULK TRUCK
 #259-314 DRIVER John Kelly
 BULK TRUCK
 # DRIVER

REMARKS:

Pump Pipe Cap w/ Rig 11 x circ. hole
100 ex 45:35:1 + 37cc + 4 Fl. Seal
100 ex 45:35:1 + 37cc + 21 gel
2 1/2" plug + Discharge with 33" 10" Fl. Seal
Run 10" at 1 inch ...
+ 100 ex Class A + 37cc + 21 gel (Permit Dial
not surface)

SERVICE

DEPTH OF JOB 853
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE @ _____
 MILEAGE @ _____
 PLUG Rubber @ _____
 @ _____
 @ _____

TOTAL _____

CHARGE TO: Robinson C. L. Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1- Rustle Plate @ _____
1- Centralizer @ _____
1- Bucket @ _____
 @ _____
 @ _____

TOTAL _____

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 Max Perry

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



CEMENTING LOG

STAGE NO. ORIGINAL

Date 8-18-97 District Med. Lodge Ticket No. 6395
 Company Robinson Oil Co. Rig Allen #1
 Lease WARD Well No. A-1
 County Comanche State KS.
 Location Coldwater Carwash Field 19-31s-20w
9w-2n-3w-3n

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

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 2.5/8 Type T-55 Weight 24 Collar _____

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

Casing Depths: Top 253 2.5/8 Bottom _____

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/6%Gel Excess _____
 Amt. 12.5 Sks Yield 1.58 ft³/sk Density 13.8 PPG
 WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total _____ Bbls.

Drill Pipe: Size 4 1/2 Weight 16.6 Collars xhole
 Open Hole: Size 7 7/8 T.D. 5242 ft. P.B. to _____ ft.

Pump Trucks Used 233-302 Justin H.
 Bulk Equip. 242 John R.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. 0.446 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type mod-H₂O Amt. 234 Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.2 PPG

COMPANY REPRESENTATIVE Marvin Petz

CEMENTER Kathy Dierling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:00	250		4		.5	1170' w/ 50sxs. 60/40/6%Gel
	200		14		.5/2	START Fresh H ₂ O PAD
	200		3		.3	START Cement - 50sxs. 60/40/6
	175		10		.5	START Fresh H ₂ O SPACER
						START mud
						mod in. Stop Pumps
1:45	200		10		.5	270' w/ 50sxs. 60/40/6%Gel
	200		14		.5/2	START Fresh H ₂ O PAD
	150		9		.5	START Cement - 50sxs. 60/40/6
						START Fresh H ₂ O - Displace
						Stop Pumps
3:15	50		3		.3	40' w/ 10sxs. 60/40/6%Gel
3:20	50		4		.3	Rathole w/ 15sxs. 60/40/6%Gel
						cemented w/ 12.5sxs. 60/40/6%Gel

ALLIED CEMENTING CO., INC. 6305

ORIGINAL

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

SERVICE POINT:
Med. Lodge, KS.

DATE <u>8-18-97</u>	SEC. <u>19</u>	TWP. <u>S1S</u>	RANGE <u>20W</u>	CALLED OUT <u>4:30 P.M.</u>	ON LOCATION <u>10:00 AM</u>	JOB START <u>1:00 P.M.</u>	JOB FINISH <u>3:30 P.M.</u>
LEASEWARD	WELL # <u>A-#1</u>	LOCATION <u>Coldwater Carwash, 9w-2n-3w-3n</u>			COUNTY <u>Wichita</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Allen Dalg #1
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 5240
 CASING SIZE 8 5/8 x 24 DEPTH 253
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x hole DEPTH 1170'
 TOOL _____ DEPTH _____
 PRES. MAX 250 MINIMUM 125
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Robinson Oil Co.
CEMENT

AMOUNT ORDERED 1255x5 60/40/16% Gel

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Harry Dreiling
 # 233-302 HELPER Justin Hart
 BULK TRUCK _____
 # 242 DRIVER John Kelley
 BULK TRUCK _____
 # _____ DRIVER _____

TOTAL _____

REMARKS:

1170' w/ 1.505x5
870' w/ 1.505x5
40' w/ 1.05x5
Rathole w/ 1.55x5
Cemented w/ 1255x5 60/40/16% Gel

SERVICE

DEPTH OF JOB 1170
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

CHARGE TO: Robinson Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 X [Signature]

- C -

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

EFFECTIVE DATE: 6-15-97

State of Kansas

FORM MUST BE TYPED

FORM MUST BE SIGNED

DISTRICT # 1

NOTICE OF INTENTION TO DRILL 033-20,937

ALL BLANKS MUST BE FILLED

SCA? Yes No

Must be approved by the K.C.C. five (5) days prior to commencing well.

Expected Spud Date 6 17 97
month day year

Spot C SW NW Sec 19 Twp 31S Rg 20W East West

OPERATOR: License # 5038
Name: Robinson Oil Company
Address: 300 W. Douglas #420
City/State/Zip: Wichita KS 67202
Contact Person: Bruce M. Robinson
Phone: 316.262-6734

1980 feet from South North line of Section
660 feet from East West line of Section
IS SECTION REGULAR IRREGULAR?

(NOTE: Locate well on the Section Plat on Reverse Side)

County: Comanche

Lease Name: Ward "A" Well #: 1

Field Name: Cavalry Creek SE

Is this a Prorated/Spaced Field? yes no

Target Formation(s): Morrow, Inola (Huck)

Nearest lease or unit boundary: 660

Ground Surface Elevation: 2140 feet MSL

Water well within one-quarter mile: yes no

Public water supply well within one mile: yes no

Depth to bottom of fresh water: 150

Depth to bottom of usable water: 180

Surface Pipe by Alternate: X 1 2

Length of Surface Pipe Planned to be set: 660

Length of Conductor pipe required: none

Projected Total Depth: 5200'

Formation at Total Depth: Mississippian

Water Source for Drilling Operations:

well farm pond other

APPLY FOR FROM WLP

Will Cores Be Taken? yes no

If yes, proposed zone: 200' Alt. Hgt. Req.

Well Drilled For: Well Class: Type Equipment:
 Oil Enh Rec Infield Mud Rotary
 Gas Storage Pool Ext. Air Rotary
 CWMO Disposal Wildcat Cable
 Seismic; # of Holes Other

If CWMO: old well information as follows:
Operator: Allen Drilling
Well Name: Allen Drilling
Comp. Date: Old Total Depth

Directional, Deviated or Horizontal wellbore? yes no
If yes, true vertical depth: 5200'
Bottom Hole Location: 200' Alt. Hgt. Req.

Exp. 12/10/97

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 59-101, et. seq.

It is agreed that the following minimum requirements will be met:

- 1. Notify the appropriate district office prior to starting of well.

Pusher: Marvin Retz

SPUD DATE 8-9-97 INIT. R.L.

LENGTH SURFACE PLANNED 660 of 898

RESERVE PIT STATUS- REMOVE FLUID LINED
after salt sect. bbls. when done bbls.

RATHOLED AHEAD? Y N SIZE HOLE
SURFACE PIPE 8 5/8 CONDUCTOR
ANHYDRITE T-104 B- 856 ELEVATION

TD 5242 FORMATION MIS

BAR PIPE @ SX DV TOOL @ SX ALT II DONE Y N

Arbuckle Plug @ W/ Ft. SX

Hug./Council @ W/ Ft. SX

Anhydrite Base @ 1170 Ft. W/ 50 SX

1/2 Base Anyh. @ W/ Ft. SX

1/2, 1/2 Plug @ W/ Ft. SX

Bottom Surface @ 870 Ft. W/ 50 SX

40' Plug @ 40-0 Ft. W/ 0 SX

RAT HOLE CIRC/W 15 SX MOUSE HOLE W/0 SX

WATER WELL SX (Dr. Well) Pond Hauling

TECHNICIAN SD DATE 8-17-97

TYPE OF CEMENT 64 60%

STARTING TIME 12:00 (AM/PM) DATE 8-19-97

COMPLETION TIME 3:30 (AM/PM) DATE 8-19-97

CEMENT COMPANY Allen

RECEIVED
KANSAS CORP CONT
AUG 20 11:25