

ORIGINAL

SIDE ONE

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

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address R.R. 1 Box 183 B

City/State/Zip Great Bend, Kansas 67530

Purchaser: Clear Creek, Inc.

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply, etc.)

If ~~OWO~~: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

9-8-90 9-14-90 9-24-90
Spud Date Date Reached TD Completion Date

API NO. 15- 15-009-24;415.0000

County Barton

C W/2 E/2 E/2 Sec. 12 Twp. 20S Rge. 12 East West

2640' Ft. North from Southeast Corner of Section

990' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

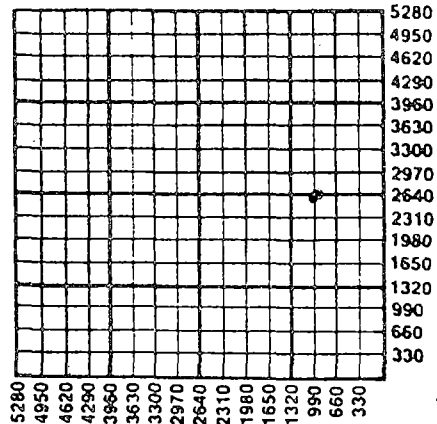
Lease Name Schartz Well # 1

Field Name Chase-Silica

Producing Formation Arbuckle

Elevation: Ground 1787' KB 1792'

Total Depth 3344' PBDT _____



Amount of Surface Pipe Set and Cemented at 326' 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 L. D. Davis

Title L. D. Davis President Date 10-10-90

Subscribed and sworn to before me this 10th day of October 19 90.

Notary Public Bessie M. DeWerff

Date Commission Expires Bessie M. DeWerff 5-20-93



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution

KCC
 KGS

SWD/Rep NGPA
 Plug Other
(Specify)

10-11-90 Form ACO-1 (7-89)

SIDE TWO

Operator Name L. D. DRILLING, INC. Lease Name SCHARTZ Well # 1

Sec. 12 Twp. 20S Rge. 12 East West
 County BARTON

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.)

SEE ATTACHED

Formation Description		
Name	Top	Bottom
Anhy.	554	571
Heebner	2948	(-1156)
Toronto	2964	(-1172)
Douglas	2979	(-1187)
B. Lime	3070	(-1278)
L. K/C	3088	(-1296)
Base K/C	3301	(-1509)
Arbuckle	3327	(-1535)

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"	28#	326'	60/40 Poz	250	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14.00	3334'	60/40 Poz	125	18% salt, 5# Gil. Last 50 sx.

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
		500 Gal. MOD 202	3344'

TUBING RECORD Size 2 7/8" Set At 3341' Packer At _____ Liner Run Yes No

Date of First Production 9-25-90 Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	45		45		

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval _____

ORIGINAL

Attachment to ACO-1 Page 2 continuation Operator: L. D. Drilling, Inc.

Lease: Schartz #1Location: C W/2 E/2 E/2 Sec. 12-20S-12WCounty: BartonDrill Stem TestsDST #1 3074-3175

Times: 30-30-30-30

Blow: 1st open: 2½" blow

2nd open: 2" blow

Recovery: 60' Drilling Mud

IFP: 32-36 FFP: 4646

ISIP: 729 FSIP: 537

DST #2 3200-3284

Times: 20-20-30-30

Blow: 1st Open: 1/2" blow dec. to 1/4"

2nd Open: 2" blow

Recovery: 30' GIP, 30'osm

IFP: 70-74 FFP: 82-83

ISIP: 180 FSIP: 122

DST #3 3306-3332

Times: 30-30-30-30

Blow: 1st open: 2"

2nd open: 1/2"

Recovery: 15' Muddy oil, 15' clean oil

IFP: 52-54 FFP: 57-57

ISIP: 908 FSIP: 792

DST #4 3330-3337

Times: 30-30

Blow: 1st open: weak blow died in 18 min.

2nd open: no blow

Recovery: 5' clean oil, 10' muddy oil

IFP: 20-29 FFP:-----

ISIP: 945 ISIP:-----

DST #5 3331-3344

Times: 45-45-45-45

Blow: 1st open: off bb in 40 min.

2nd open: blt to 11"

Recovery: 210' gip, 120' clean gassy oil 38°

30' muddy oil

IFP: 40-46 FFP: 60-65

ISIP: 1112 FSIP: 1104

OCT 11 1990

COMPANY L. D. Drig ZINC. FARM Schutz WELL NO. 1
 SEC. 12 TWP. 20 RGE. 12 LOC. COUNTY Barton STATE Ks.
 CONTRACTOR Co. Tools SIZE HOLE _____ DRILL PIPE _____
 REMARKS: 1' Dry Time 2800 - RTD SIZE PUMP LINERS _____ LENGTH STROKE _____
10' Dry Samples 2800 - RTD

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2800	5:15		
01	17	2	
	19	2	
	21	2	
	22	1	
05	24	2	
	25	1	
	27	2	
	29	2	
	31 1/2	2 1/2	
2810	34	2 1/2	
	36	2	
	38	2	
	40	2	
	41	1	
15	43	2	
	46	3	
	49	3	
	51	2	
	54	3	
2800	56	2	9 ³ wt.
	58	2	
	6:01	3	
	04	3	
	06	2	
25	08	2	Conn.
	6:13		
	15	2	
	17	2	
	19	2	
	21	2	
2830	23	2	
	26	3	
	28	2	
	31	3	
	33	2	
35	36	3	
	38	2	
	40	3	
	43	3	
	6	3	
2840	8	2	
	30	2	
	52	2	
	54	2	
	6	2	
45	58	2	
	7:00	2	
	3	3	
	6	3	
	9	3	
2850	12	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2850	15	3	
	8	3	
	21	3	
	4	3	
55	6	2	
	28	2	Conn.
	7/9	2	
	11	2	
	14	3	
2860	18	4	
	21	3	
	24	3	
	2/34	2	
	7	3	
65	39	2	
	41	2	
	3	2	
	46	3	
	8	2	
2870	51	3	
	14/16	2	
	18	2	
	20	2	
	21	1	
75	23	2	
	5	2	
	8	3	
	30	2	
	3	3	
2880	5	2	
	38	3	
	40	2	
	43	3	
	6	3	
85	8	2	
	51	3	
	54	3	
	7/10	3	
	2	2	
2890	5	3	
	7	2	
	10	3	
	12	2	
	5	3	
95	7	2	
	20	3	
	3	3	
	6	3	
	8	2	
2900	29	1	

RECORDED
 OCT 11 1990

ORIGINAL

COMPANY _____ FARM _____ WELL NO. _____
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY _____ STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2900			
01	32	3	35 4 2 4 4Z D
	4	2	15 5 2 2 1
	37	3	60
	40	3	25
05	2	2	135
	4	2	
	7	3	
	49	2	
	52	3	
2910	4	2	
	7	3	
	59	2	
	02	3	
	5	3	
15	7	2	
	11/13	2	
	15	2	
	18	3	
	20	2	
2920	3/6	3	
	29	3	
	31	2	
	4	3	
	6	2	37 ris
25	39	3	8 th wt
	41	2	10 th WL
	4	3	8.000 LNL
	6	2	2 nd LCM
	8	2	10.5 ph
2930	50	2	
	2	2	
	4	2	
	6	2	
	59	3	
35	1201	2	
	3	2	
	6	3	
	8	2	
	10	2	
2940	2	2	
	4	2	
	16	2	
	8	2	
	20	2	
45	2	2	
	4	2	
	27	3	
	29	2	
	30 1/2	1 1/2	
2950	10/1	1	

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DEPTH	TIME O'CLOCK	MIN.	REMARKS
2950			
51	42	1	
	4	2	
	7	3	
	49	2	
55	52	3	
	3	1	
	5	2	
	6	1	
	58	2	
2960	1:00	2	
	2	2	
	4	2	
	5 1/2	1 1/2	
	7	1 1/2	
65	9	2	
	11	2	
	4	3	
	16	2	
	18	2	
2970	20	2	
	24	1	
	3	2	
	5	2	
	27	2	
75	9	2	
	31	2	
	3	2	
	5	2	
	7	2	
2980	33 1/2	1 1/2	
	43/4	1	
	5	1	
	6 1/2	1 1/2	
	8	1 1/2	
85	49	1	
	50 1/2	1 1/2	
	2	1 1/2	
	3 1/2	1 1/2	
	55	1 1/2	
2990	57	2	
	59	2	
	2:00H	1 1/2	
	2	1 1/2	
	4	1 1/2	
95	5 1/2	2	
	7	1 1/2	
	8 1/2	1 1/2	
	10	1 1/2	
	11 1/2	1 1/2	
3000	13	1 1/2	

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000			
01	15	2	
	16	1	
	18	2	
	19 1/2	1 1/2	
05	21	1 1/2	
	3	2	
	42	1 1/2	
	6	1 1/2	
	28	2	Conn
3010	3/35	2	
		2	
		1	
		1	
		2	
15		1	
		1	
		1	
		1	
		1	
3020		1	
		1	
		2	
		2	
		1	
25		1	
		1	
		1	
		1	
3030		1	
		1	
		1	
		2	
		2	
35		1	
		1	
		1	
		1	
3040		1	
		1	
	26	1	
	30	2	
	31	1	
	33	2	
45	34	1	
	36	2	
	38	2	
	39	1	
	41	2	
	43	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3050			
51	43	2	
	45	2	
	46	1	
	48	2	
	49	2	
	50	2	
55	52	2	
	53	1	
	55	2	
	57	2	
	59	2	
3060	4:00	1	
	2	2	
	4	2	
	5	1	
	7	2	
65	9	2	
	11	2	
	12	1	
	14	2	
	16	2	
3070	18	2	
	21	5	
	30	4	
	34	4	
	38	4	
75	42	4	
	46	4	
	50	4	
	54	4	
	58	4	
3080	5:01	3	
	5	4	
	8	3	
	11	3	
	14	3	
85	17	3	
	20	3	
	22	2	
	25	3	
	28	3	
3090	31	3	
	33	2	
	35	3	
	37	2	
	39	2	
95	41	2	
	44	3	
	47	3	
	51	4	
	55	4	
3100	58	3	

OCT 11 1990
 COMPLETED BY
 DIVISION

COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	10	3	
01	13	3	
	16	3	
	20	4	
	24	4	
05	28	4	
	31	3	
	34	3	
	37	3	
	41	4	
3110	45	4	
	47	2	
	50	3	
	53	3	
	57	4	
15	7100	3	
	3	3	
	7	4	
	11	4	
	15	4	
3120	19	4	
	24	5	
	28	4	
	31	3	
	45	4	
25	40	5	
	44	4	
	46	4	
	51	5	
	54	3	
3130	56	2	
	59	3	
	8:20	3	
	5	2	
	8	3	
25	12	4	
	15	3	
	18	3	
	22	4	
	25	3	
3140	28	3	
	32	4	
	36	4	
	40	4	
	42	2	
45	45	3	
	48	3	
	50	2	
	52	2	
	54	4	
3150	9:10	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	9:00	4	
51	4	4	
	6	2	
	11	5	
	16	5	
55	19	3	
	22	3	
	26	4	
	30	4	
	35	5	
3160	39	4	
	42	3	
	45	2	CONN
	51	4	
	55	4	
65	58	3	
	10:02	4	
	5	3	
	9	4	
	13	4	
3170	17	4	
	21	4	
	24	3	
	26	2	41/2 ins. 8" ext
	29	3	9" WL 10PH 9000 ccl.
25	31	2	CFS 30/60
	8:21/23	2	
	28	2	
	27	2	
	29	2	
3180	30	1	
	32	2	
	34	2	
	36	2	
	38	2	
85	41	3	
	44	3	
	47	3	
	50	3	
	54	4	
3190	57	3	
	9:00	3	CONN
	4/7	3	
	9 1/2	2 1/2	
	12	2 1/2	
25	14 1/2	2 1/2	
	17	2 1/2	
	20	3	
	23	3	
	25 1/2	2 1/2	
3200	28	2 1/2	

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COMPANY _____ FARM _____ WELL NO. _____
 SEC. TWP. RGE. LOC. COUNTY STATE _____
 CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____
 REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200 01	9:25 31	3	
	33 1/2	2 1/2	
	36	2 1/2	
	38 1/2	2 1/2	
05	41	2 1/2	42 vis 8 ² wt
	43 1/2	2 1/2	
	46 1/2	3	
	49	2 1/2	
	51 1/2	2 1/2	
3210	54	2 1/2	
	57 1/2	3 1/2	
	10:00	2 1/2	
	3	3	
	6 1/2	3 1/2	
15	9	2 1/2	
	12	3	
	15	3	
	18	3	
	20 1/2	2 1/2	
3220	22	1 1/2	
	28	3	
	27	2	anna
	41/43	2	
	46	3	
25	47 1/2	2 1/2	
	51	2 1/2	
	54	3	
	57 1/2	3 1/2	
	11:00	3 1/2	
3230	3	3	
	7	4	
	10 1/2	3 1/2	
	14 1/2	4	
	18	3 1/2	
35	22 1/2	4 1/2	
	25 1/2	3	
	28	2 1/2	
	31	3	
	33 1/2	2 1/2	
3240	37	3 1/2	
	41	4	
	44	3	
	47	3	
	51	4	
45	54 1/2	3 1/2	
	58	3 1/2	
	12:02	4	
	6	4	
	10	4	
	15	5	

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DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250 51	15 18	3 1/2	
	21	3 1/2	
	21/30	3	CONN
	34	4	
55	37	3	
	38	2	
	41 1/2	2 1/2	
	44	2 1/2	
	47	3	
3260	51	4	
	54	3	
	57	3	
	59	2	
	01	2	
65	5	4	
	9	4	
	12	3	
	15	3	
	18	3	
3270	22	4	
	25	3	
	29	4	
	32	3	
	35	3	
25	39	4	
	42	3	
	46	4	
	48	2	
	51	3	
3280	53	2	
	57	4	
	1:00	3	
	3	3	
	6	3	CONN CFS 30/60
85	0:00 09	6	
	17	8	
	23	6	
	27	4	
	33	6	
3290	38	5	
	43	5	
	48	5	
	53	5	
	58	5	
95	11:02	4	55 vis, 8 ² wt.
	07	5	10 ⁴ wt, 10 PH.
	11	4	12000 chl.
	17	6	
	22	5	
3300	29	7	

COMPANY _____ FARM _____ WELL NO. _____

SEC. TWP. RGE. LOC. COUNTY STATE

CONTRACTOR _____ SIZE HOLE _____ DRILL PIPE _____

REMARKS: _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300 01	11:29 34	5	55 LBS. 8" wt
	39	5	10" wt. 10 PH.
	45	6	12000 chl.
	51	6	
05	57	6	
	12:03	6	
	10	7	
	17	7	
	23	6	
3310	29	6	
	37	8	
	45	8	
	51	6	
	55	4	
15	1:00	5	COAR. RIG & SCREEN
	15:18	3	
	21	3	
	24	3	
	27	3	
3320	30	3	
	33	3	
	36	3	
	39	3	
	41	2	
25	44	2	
	46	2	
	49	3	
	50	1	
	51	1	
3330	52	1	
	54	2	
	55	1	CFS 30/60
	50:51	1	
	52	1	
35	54	2	
	55	1	
	56	1	CFS 30/60
	1:15:18	3	
	21	3	
3340	24	3	
	25	1	
	26	1	
	28	2	
	30	2	
45			

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DEPTH	TIME O'CLOCK	MIN.	REMARKS
3350 51			
55			
3360			
65			
3370			
75			
3380			
85			
3390			
95			
3400			

15.009.24415.0000

TICKET NO. 018537-2

HALLIBURTON SERVICES

Dallas, Oklahoma 73338
A Division of Halliburton Company

FARM OR LEASE NAME S. HARTZ		COUNTY DARLON	STATE KS	CITY / OFFSHORE LOCATION	DATE 9-14-90
IN CHARGE TO L.D. Davis		OWNER SARIE	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS RR 1 Box 183 B		CONTRACTOR Cotools	LOCATION 1610000		CODE 25520
CITY, STATE, ZIP LAWRENCE, KS 67530		SHIPPED VIA 2924	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. 15-009-24415	DELIVERED TO Willsite		LOCATION 3
TYPE AND PURPOSE OF JOB 035		B-409478	ORDER NO.		
			REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE	6	MI			2.35	14.10
001-016		1		PERMITS CHARGE	2334	71			0.45	1045.00
030-018		1		July SW	1	EA			53.00	53.00
12A	825.205	1		GRINDER SHOES	1	EA			104.00	104.00
24A	815.19251	1		TURBO FLOW	1	EA			83.00	83.00
27	815.19311	1		WATER FLOW	1	EA			30.00	30.00
40	807.93022	1		CENTRALIZER	3	EA			57.33	172.00

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-409478** SUB TOTAL 1477.00

WAS JOB SATISFACTORILY COMPLETED? Yes

WAS OPERATION OF EQUIPMENT SATISFACTORY? Yes

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? Yes

X L.D. DAVIS
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

74226
OCT 11 1990

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

15.009.24415.0000



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 018537

DISTRICT Lot-Band 1/5 DATE 9-14-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: L.D. Dole Inc (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 201 LEASE Schnetz SEC. 12 TWP. 20 RANGE 12
FIELD _____ COUNTY Barton STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME: _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER TYPE _____ SET AT _____

TOTAL DEPTH _____ MUD WEIGHT _____

BORE HOLE _____

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>6</u>	<u>14</u>	<u>5 1/2</u>	<u>K13</u>	<u>3334</u>	
LINER						
TUBING						
OPEN HOLE				<u>3334</u>	<u>44</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

SECT 3334 5 1/2 PROD W/ 75 SKS 40/60/02 20661 1875 SAH
75 HALLAD 322 50 SKS 40/60/02 20661 1875 SAH 75 HALLAD 322
4 5 1/2 GILSONITE/SK
400# SALT FOR 20661'S PROFLUSH

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES:

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys' fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing unit returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

OCT 11 1990

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
DATE 9/14/90

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME 1:00 A.M. P.M.

HALLIBURTON SERVICES
JOB LOG

WELL NO. X(1) LEASE SCHARTZ TICKET NO. 018537
 CUSTOMER L.S. DOLG INC PAGE NO. _____
 JOB TYPE SK PROD DATE 9-14-70

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							ALLOW OUT
	0530							ON WOL
	0845							BREAK CIRC
	0900	7 1/2				700		START 20 LBI SAN FLUSH
	0917	7	20			750		START 1794 BBL SL
	0919	7	3794			750		START 1246 BBL SL
	0922	7	504			100		THRO LINES
	0922	-						RELEASE PLUG
	0923	8 1/2	504			500		START 8110 BBL DRIP
	0935	H	1315			800		PLUG DOWN
	0936	-				-		RELEASE HOLD
	0915		3			200		PLUG KA/ hole
								Job Complete
								THANK YOU
								JAMIE
								STAN
								Bill

CUSTOMER

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

15.009.24415.0000

HALLIBURTON SERVICES
Duncan, Oklahoma 73025

FOR INVOICE AND
TICKET NO. 018305

A Division of Halliburton Company

DATE 9-8-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Schartz	COUNTY Barton	STATE Ks.
CHARGE TO L. D. Drilling Incorporated		OWNER L.D. Drlg. Inc.	CONTRACTOR No. B 909453	
MAILING ADDRESS		DELIVERED FROM Great Bond, Ks.	LOCATION CODE 25520	PREPARED BY S. C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 1540-5621	RECEIVED BY <i>M.R. [Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				250 50/50 Pozmix Cement							
504-308	516.00261	1	B	standard Cement	125	sk			5.35	668.75	
506-105	516.00286	1	B	Pozmix A	125	sk			2.79	348.75	
506-121	516.00259	1	B	4 Halliburton Gel 2% allowed						NC	
509-406	890.50812	1	B	Calcium Chloride 3%W/250	6	sk			25.75	154.50	
					Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES		TON MILES
					SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET	
500-207		1	B	SERVICE CHARGE			CU. FEET 262		1.10	288.20	
500-306		1	B	Mileage Charge	21,900 TOTAL WEIGHT		7 LOADED MILES		76.65 TON MILES	.75	57.49
No. B909453		CARRY FORWARD TO INVOICE							SUB-TOTAL		1517.69

THIS IS NOT AN INVOICE

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15.009.24415.0000

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 018505

DISTRICT GREAT BEND

DATE 9-8-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: L.D. DRUG INC. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2 LEASE SCHWARTZ SEC. 12 TWP. 20 RANGE 12W

FIELD COUNTY BARTON STATE KS OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FORMATION THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED. LAST SURF. CSC. SET 319' 2' OFF BOTTOM

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED. a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list... b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies... c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials... d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials... e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act... g) That this contract shall be governed by the law of the state where services are performed or materials are furnished... h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER

DATE 9-8-90

TIME 1:30 A.M. P.M.

As certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

WELL DATA

WELL DATA fields: FIELD, SEC, TWP, RNG, COUNTY, STATE, FORMATION NAME, THICKNESS, PROD, COMPLETION DATE, Packer Type, etc.

JOB DATA

Table with 4 columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times.

TOOLS AND ACCESSORIES

Table with 3 columns: TYPE AND SIZE, QTY., MAKE. Lists tools like float collar, shoe, centralizers, etc.

PERSONNEL AND SERVICE UNITS

Table with 3 columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like M. Pollock, D. D. etc.

MATERIALS

MATERIALS fields: TREAT. FLUID, DISPL. FLUID, PROP. TYPE, ACID TYPE, SURFACTANT TYPE, etc.

DEPARTMENT, DESCRIPTION OF JOB, JOB DONE THRU, CUSTOMER REPRESENTATIVE, HALLIBURTON OPERATOR, COPIES REQUESTED.

CEMENT DATA

Table with 8 columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

Summary fields: CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN, HYDRAULIC HORSEPOWER, TREATING, FEET, etc.

REMARKS

REMARKS text: 15.009.24415.0000, 15.009.24415.0000

CUSTOMER, LEASE, WELL NO., JOB TYPE, DATE

