

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

API NO. 15- 065-22,699
County Graham
SW Sec. 9 Twp. 10s Rge. 24 X^E_W

Operator: License # 03655

523 Feet from (S)N (circle one) Line of Section

Name: STAAB ENERGY & LEASING

2117 Feet from E(circle one) Line of Section

Address 2514 Haney Drive

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

Hays, Kansas 67601

Lease Name Anton Herman Well # 4

City/State/Zip _____

Field Name Unnamed

Purchaser: KOCH OIL CO.

Producing Formation LKC

Operator Contact Person: Norman G. Staab

Elevation: Ground 2480 KB 2485

Phone (913) 628-1326

Total Depth 4102 PBTD 4082

Contractor: Name: SHIELD DRILLING CO., INC.

Amount of Surface Pipe Set and Cemented at 221 Feet

License: 5665

Multiple Stage Cementing Collar Used? X Yes _____ No

Wellsite Geologist: Todd Morgenstern

If yes, show depth set 2168 Feet

Designate Type of Completion

If Alternate II completion, cement circulated from 224'

X New Well _____ Re-Entry _____ Workover

feet depth to Surface w/ 150 60/40 Poz ^{2% Gel} _{3% CC}

X Oil _____ SWD _____ SLOW _____ Temp. Abd.
Gas _____ ENHR _____ SIGW
Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan 1-2853 OP
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Chloride content 68,000 ppm Fluid volume 310 bbls

Operator: _____

Dewatering method used Air Dry Evaporation

Well Name: _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTD
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

11-09-92 11-16-92 01-04-93

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

Spud Date Date Reached TD Completion Date

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.

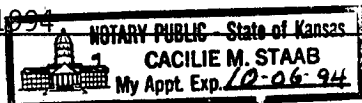
Signature Norman G. Staab

Title Owner Date 01-21-93

Subscribed and sworn to before me this 21st day of January, 1993.

Notary Public Cacilie M. Staab

Date Commission Expires Oct. 06, 1994



K. O. C. OFFICE USE ONLY
F STATE CONFIDENTIALITY ATTACHED
C WIRELINE LOGS RECEIVED
C GEOLOGIST REPORT RECEIVED
JAN 25 1993 1-25-1993
CONSERVATION DIVISION NGPA
WICHITA, KANSAS Other (Specify)

Operator Name STAAB ENERGY & LEASING

Lease Name ANTON HERMAN

Well # 4

Sec. 9 Twp. 10 Rge. 24

East

County Graham

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests give 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.)
 See enclosed Geological Report
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 Enclosed Logs Listed Below
 (List E. Logs Run:
 Dual Compensated Porosity Log
 R. A. Guard Log
 Correlation Sonic Cement Bond Log
 Dual Induction Log

Name	Formation (Top), Depth and Datum	Top	Datum	Sample
Anhydrite		2133	+ 352	
Anhydrite Base	2168		+ 317	
Topeka		3570	-1085	
Heebner		3785	-1300	
Toronto		3808	-1323	
Lansing		3823	-1338	
Base KC	4053		-1568	
Rotary Depth	4100		-1615	
Log Total Depth	4102		-1617	

CASING RECORD New Surface - Used 5-1/2"
 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"	20#	221	60/40 Poz	150	2% Gel 3%CG
Prod. 2-Stage	7-7/8"	5-1/2"	14#	4096	ASC	160	500 Gal WFR2
Prod. Top Stage	7-7/8"	5-1/2"	14#	2168	50/50 Poz	450	6%Gel FloSea

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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
2	16 Shots S.C.C'S LKC	5,000 N-Emulsion Acid	4020-28
		500 Mud Clean Up Acid	

TUBING RECORD Size 2-7/8" Set At 4070 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 01-14-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 40 Bbls. Gas _____ Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravit. Trace

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 4020-4028

LANSING-KANSAS CITY:

- 3825-3830 Limestone, tan and cream, very finely crystalline, slightly dense, fossiliferous, with fair vugular pinhole porosity, fair staining and saturation, very slight show of free oil, questionable light odor.
- 3856-3859 Limestone, cream and tan, finely crystalline, slightly dense, with fair intercrystalline vugular porosity, scattered spotted staining, very slight show of free oil, no odor.
- 3867-3871 Limestone, cream and tan, very finely crystalline, fossiliferous, with fair intercrystalline pinhole porosity, slightly chalky, fair scattered staining and saturation, slight odor.
- 3896-3908 Limestone, cream, gray and tan, finely crystalline, slightly dense, oolitic, with fair visible interoolitic porosity, very slight show of free oil, slight scattered staining and saturation, no odor.
- 3980-3986 Limestone, tan and gray, finely crystalline, oolitic in part, dense, cherty, with poor visible porosity, scattered spotted staining, very slight show of free oil, no odor.
- 3999-4008 Limestone, tan, gray and light brown, finely crystalline, oolitic and fossiliferous, with poor to fair visible pinhole fossiliferous porosity, fair staining and saturation, very slight show of free oil, light odor.
- 4019-4028 Limestone, gray and cream, finely crystalline, oolitic and fossiliferous, with fair pinhole fossiliferous porosity, some rare interoolitic with fair to good staining and saturation, good show of free oil, light odor. (Covered by D.S.T. No. 1 and 2)

FORMATION TEST NO. 1

3993-4030

Mis-run, packer failure.

FORMATION TEST NO. 2

4000-4030

		I.H.P.	1985#
Strong blow	30 min.	I.F.P.	62#-173#
	30 min.	I.S.I.P.	446#
Strong blow	30 min.	F.F.P.	223#-250#
	30 min.	F.S.I.P.	446#
		F.H.P.	1939#

RECOVERY: 1120' gas in pipe.
700' gassy oil. (Gravity 40°)

TEMPERATURE: 120°

15-065-72699-00-00

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY ORIGINAL
P. O. BOX 31
RUSSELL, KANSAS 67665

TO: Staab Energy & Leasing
2514 Nancy Dr.
Hays, KS 67601

INVOICE NO. 62885
PURCHASE ORDER NO. _____
LEASE NAME Anton Herman #4
DATE Nov. 9, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 90 sks @ \$5.50	\$495.00	
Pozmix 60 sks @ \$2.50	150.00	
Chloride 5 sks @ \$21.00	<u>105.00</u>	\$ 750.00
Handling 150 sks @ \$1.00	150.00	
Mileage (42) @ L\$.04¢ per sk per mi	252.00	
Surface	380.00	
Mi @ \$2.00 pmp trk chg	84.00	
1 plug	<u>42.00</u>	<u>908.00</u>
	Total	\$1,658.00

Cement circulated

Thank you!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

15-065-22699-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ORIGINAL

ALLIED CEMENTING CO., INC.

2155

Home Office P. O. Box 31

Russell, Kansas 67665

Date	11-9-92	Sec.	9	Twp.	10 ^s	Range	24 ^w	Called Out	8:00 P.M.	On Location	10:15 P.M.	Job Start	1:00 A.M.	Finish	1:30 A.M.
Lease	Anton Herman		Well No.	4		Location	St. Peter 4 1/2 E 1/4 NE		County	Graham		State	Ks.		
Contractor	Shields, D. G. Co.					Rig #	2								
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	224'											
Csg.	8 7/8"		Depth	221'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum	-											
Meas Line	X		Displace	X											
Perf.															

EQUIPMENT

No.	Cementer	Gary H. Marilyn K.
Pumptrk 191	Helper	
No.	Cementer	Mark D.
Pumptrk	Helper	
Bulktrk #146	Driver	
Bulktrk	Driver	

DEPTH of Job	Reference	Cost
	#1 Pumptruck-surface	380.00
	#13 mileage @ 2.00/mi.	84.00
	1-8 7/8" wooden plug	42.00
	Sub Total	506.00
	Tax	
	Total	

Remarks: Cement Circulated.

Owner Same
 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 listed.

Charge To Staab Energy & Leasing
 Street 2514 Honey Drive
 City Hays, State Ks. 67601
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Beerton Beery
 CEMENT

Amount Ordered 150 sks @ 1.00 per 270 gal, 36 c.c.
 Consisting of
 Common 90 sks @ 5.50/sk 495.00
 Poz. Mix 60 sks @ 2.50/sk 150.00
 Gel. 3 sks N/C
 Chloride 5 sks @ 21.00/sk 105.00
 Quickset

Sales Tax
 Handling 1.00/sk (150 sks) 150.00
 Mileage 2.04 @ 1/sk/mi (42 mi) 85.68
 Sub Total 1152.00
 Total

Floating Equipment Thanks

RECEIVED
 STATE CORPORATION COMMISSION
 1-25-1993
 JAN 25 1993
 CONSERVATION DIVISION
 WICHITA, KANSAS

15-065-22699-00-00

TELEPHONE:
AREA CODE 913 483-2827

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Staab Energy & Leasing
2514 Haney Dr.
Hays, KS 67601

INVOICE NO. 62916
PURCHASE ORDER NO. _____
LEASE NAME Anton-Herman #4
DATE Nov. 16, 1992

SERVICE AND MATERIALS AS FOLLOWS:

ASC 160 sks @\$7.25	\$1,160.00	
WFRII 500 gal @\$.50¢	<u>250.00</u>	\$1,410.00
Handling 160 sks @\$1.00	160.00	
Mileage (42) @\$.04¢ per sk per mi	268.80	
Production String (Bottom)	880.00	
Mi @\$2.00 pmp trk chg	<u>84.00</u>	1,392.80
1 Guide Shoe-----\$	125.00	
1 Baker AFU-----	189.00	
1 Basket-----	127.00	
8 Centralizers-----	368.00	
1 D X Tool-----	<u>2,310.00</u>	<u>3,119.00</u>
	Total	\$5,921.80

Float Held

Thank you!

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15-065-22699-00-00

Phone 913-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

new

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

5338

Date	11-16-92	Sec.	9	Twp.	10	Range	24	Called Out		On Location	6:00 PM	Job Start		Finish	10 PM
Lease	Anton-Herman	Well No.	4	Location	St Peter 4 1/4 E - N.S.			County	Graham	State	Kan				
Contractor	Shield Drilling Co											Owner	Same		
Type Job	Production string (Bottom)											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 listed.			
Hole Size	7 7/8	T.D.	4100'												
Csg.	5 1/2	Depth	4076'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	D-V Tool	Depth	2168'												
Cement Left in Csg.	13'	Shoe Joint	13'												
Press Max.		Minimum													
Meas Line	✓	Displace	✓												
Perf.															

EQUIPMENT

Pumptrk	No.	Cementer	Walt
	377	Helper	
Pumptrk	No.	Cementer	Paul
	160	Helper	
Bulktrk	146	Driver	Mark
		Driver	

DEPTH of Job	
Reference:	Pump truck 880 ⁰⁰
	2 ⁰⁰ per mile 84 ⁰⁰
	Sub Total
	Tax
	Total 964 ⁰⁰

Remarks: Float Held

Charge To	Stack Energy & Leasing
Street	2514 Honey Drive
City	Hays
State	Kan 67601
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Francis C. [Signature]
Amount Ordered	500 gal WFR-2 CEMENT 160 SKS ASC,
Consisting of	
Common	ASC - 160 @ 725 1160 ⁰⁰
Poz. Mix	
Gel.	
Chloride	
Quickset	
	WFR-2 500 gal @ 50 250 ⁰⁰
	Sales Tax
Handling	1 ⁰⁰ per sk 160 ⁰⁰
Mileage	4¢ per sk/mile 268 ⁰⁰
	Δ2
	Sub Total
	Total 1838 ⁰⁰
Floating Equipment	5 1/2
	1-Guide Shoe - 125 ⁰⁰
	1-Baker AFU - 189 ⁰⁰
	1-Basket 127 ⁰⁰
	8-Centralizers - @ 26 268 ⁰⁰
	1-D-V Tool 2310 ⁰⁰

RECEIVED
STATE CORPORATION COMMISSION
JAN 25 1993
CONSERVATION DIVISION
WICHITA, KANSAS

1-25-1993

15-065-22699-00-00

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Staab Energy & Leasing
2514 Haney Dr.
Hays, KS 67601

INVOICE NO. 62915
PURCHASE ORDER NO. _____
LEASE NAME Anton-Herman #4
DATE Nov. 16, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 270 sks @\$5.50	\$1,485.00	
Pozmix 180 sks @\$2.50	450.00	
Gel 15 sdxs @\$6.75	101.25	
Flo seal 3 @\$25.00	<u>75.00</u>	\$2,111.25
Handling 450 sks @\$1.00	450.00	
Mileage (42) @\$.04¢ per sk per mi	756.00	
Production String (Top)	<u>475.00</u>	<u>1,681.00</u>
	Total	\$3,792.25

Cement circulated

Thank you!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

