

109-20563

CONFIDENTIAL

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

Operator: License # 5386

Name: Production Drilling Inc.
Address: PO Box 680

City/State/Zip Hays, KS 67601

Purchaser: Farmland

Operator Contact Person: Larry L Patterson

Phone (913) 628-1189

Contractor: Name: Murfin

License: 30606

Wellsite Geologist: J.O. Farmer IV

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, 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 PSTD
 Commingled Decklet No. _____
 Dual Completion Decklet No. _____
 Other (SWD or Inj?) Decklet No. _____

4/19/94 4/29/94 4/29/94
 Spud Date Date Reached TD Completion Date

API NO. 15- 109-20563

County LOGAN

SW - NE - SW - Sec. 7 Top. 13 Rge. 33 X W

1650 Feet from (S) (circle one) Line of Section

1650 Feet from (E) (circle one) Line of Section

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

Lease Name Ladenburger Well # 1

Field Name Logansport NW

Producing Formation Johnson Zone

Elevation: Ground 2971 KB 2976

Total Depth 4610 PSTD 4597

Amount of Surface Pipe Set and Cemented at 270 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1884 1873 Feet

If Alternate II completion, cement circulated from 1884 1873

feet depth to surface w/ 400 sx cnt.

Drilling Fluid Management Plan ALT 2 JH 9-20-94
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 200 bbls

Dewatering method used Evap

Location of fluid disposal if hauled offsite:

Operator Name RELEASED

Lease Name JUN 2 8 1995 License No. _____

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

County FROM CONFIDENTIAL Decklet 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 [Signature]

Title President Date 5/24/94

Subscribed and sworn to before me this 24 day of May 19 94.

Notary Public _____

Date Commission Expires 8/31/97

K.C.C. OFFICE USE ONLY

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

KCC KGS

Distribution: Plug Other

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 26 1994

05-26-1994

SIDE TWO

Operator Name Production Drilling Inc Lease Name Ladenburger Well # 1
 Sec. 7 Twp. 13S Rge. 33 County Logan
 East
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhy	2428	+548
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heeb	3847	-871
List All E.Logs Run:		LKC	3893	-917
DIL; CNL; CDL; ML/G; CBL/GR		Ft Scott	4395	-1419
		Johnson	4468	-1492
		Miss	4567	-1597
		See Attached logs for DST's		

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8		270	60/40poz	180	3%CC 2%gel
Production	7 7/8	4 1/2	10.5	4597	60/40poz	225	10%salt

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0 1884	Allied Tight	325	81# FLo-Seal	

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
	4	4510-14		2000 gal	15% NE	
4	4470-90		2000 gal	15% NE	4470'-4490'	

TUBING RECORD	Size 2"	Set At 4547	Packer At NA	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. 5/24/94	Producing Method <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. 50 Bbls.	Gas Mcf	Water Bbls. 1Bbl	Gas-Oil Ratio 35%

Disposition of Gas: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (if vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval 4470-4515 OA
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15-109-20563-00-00

LS: AA, N.S.

Sh: Gy

3922' bit trip, lost 1 core
Mud Engineer check (6348)
Vis 39 LCM 0#
WT 9.0 pH 11.0
WL 9.6
Cl 3,500 ppm

LS: Wt. main mdsta. mottly dn. Tr (2-3 pps/tra) with
fr. intsh + PP, + moldic ϕ . Fr-GSP0 in these pss.
v. Gnt. Odor.

Sh: Lt Gy

LS: Wt. vfn-fnsh mdsta. dn. N.S.

DST #1 3915'-3971'
"Lans B+C" 45-45-60-60
REC: 670' MW (Cl. 60,000)
FP: 49-226#, 236-324#
SIP: 1226-1216#
HP: 1936-1886#
BHT-112°F

LS: Wt. fn sh mdsta, sm. wkystn. dn. N.S.

Vis 50 WT 9.0 WL 9.6

Sh: Gy-Grn.

Strap 772' Short to Board.
SHS: 1/2"
Mud Engineer Check (63906)
Vis 45 LCM 0#
WT 9.0 pH 11.0
WL 8.4
Cl 3,000 ppm Bottoms Up-50

LS: Wt-Lt Gy. fn gn mdsta + wkystn (rad. foss).
Tr (2-3 pps/tra) w/p. PP ϕ . FSP0 in these pss.
p. flow + cut. No odor. Sli. Chky.

Sh: Gy, Grn.

LS: Wt. Gy. v. fnsh mdsta. dn. N.S.

LS: Wt. main mdsta. dn. N.S.

Sh: Maroon, Gy

LS: Wt. Gy. gn wksta. (rad + Ang. foss. gnss)
dn. No ϕ . N.S.

LS: Wt. to Lt. Gy. v. fnsh wksta. (m. gn rad + ang.
foss. gnss) mottly dn. Tr. p. moldic ϕ . N.S.

LS: AA, p pp + moldic ϕ . N.S

LS: Lt tan. fnsh wkystn. (m. C. gn rad + Ang. foss)
Tr. pp + moldic ϕ . N.S.

Sh: Blk, Carb.

Vis 50 WT 9.0

LS: Lt. Brown. v. fnsh mdsta. dn. Tr. pp ϕ . N.S.

Sh: Maroon + Brown.

LS: Crm-tan. fnsh mdsta + wkystn. blk + Ang.
mottly ang. foss gnss. mottly light. Sm. fr. intsh
moldic ϕ , barren. Tr (2-3 pps/tra) dk blk oil str.
NFO, No odor.

LS: Wt. v. fnsh mdsta. dn. N.S.

Sh: Blk

LS: Brown. v. fnsh mdsta + wkystn (ang. foss) dn. N.S.

Sh: Gy, Grn, Maroon, sl. Sandy

LS: Wt. v. fnsh mdsta. dn. N.S. sl Δ 's, sm. pyrite

Sh: Gy

LS: Wt. v. fn. gn gnsta. dn. N.S.

LS: Lt tan. fn. m. sh mdsta + wkystn (ang. foss gnss)
Ang. blk. p. fr. intsh, moldic + v. gy ϕ . Sm. barren.
1 pc. w/dk blk oil str. N. Fo. No odor. v. Flour.

Vis 47 (WT 9.2)
 Cherokee 4422 (1446)
 EL 4422'

LS: Crm, v-fine mdstn, dn. N.S.
 Sh: Blk, Carb
 LS: Brown, v-fine mdst + wkystn. dn. NS
 Sh: Gy
 LS: Wt. f. gn grstn. chky, soft. N.S.

Mud Eng. Chk (4490') #4183
 Vis 47 LCM 0"
 WT 9.4 pH 10.5
 WL 9.4 BU: 57"
 CL 4000 msl

DEFS 60'

LS: Lt. Gy. v-fine mdstn. tr (2-3 pcs) w/pp. of Lt. brown stn. 1 pc. w/FO. No.
 Sh: Gy.

DST #2 4445' - 4490' (32 2/3)
 Mistrun - Hit bridge at 1876'
 HP: 1086* - 1086*
 BHT - 86° F

LS: Lt. Gy. v-fine mdstn. dn. NS.
 Sh: Gy, Maroon
 LS: Wt. Lt. Brown, v-fine dn. N.S.

DST #3 4445' - 4490' (32 2/3)
 45-45' - 45-60"
 1st Open: 808 in 8" (2" blow SI)
 2nd Open: 808 in 17" (2" blow SI)
 Recovery: (530' Fluid)
 990' Gas in Pipe
 300' CGO (70% O, 10% G)
 170' MCGO (60% O, 10% G)
 60' OCGM (30% O, 10% G)
 FP: 49-147* 167-216*
 SIP: 1066-1656*
 HP: 2390* - 2289*
 BHT: 118° F

Johnson Zone 4468 (1492)
 EL 4490'

Sh: Maroon + Gy
 LS: Lt. Brown, v-fine mdstn. mostly dn. 1-270
 Smpl w/fr. Intsln vug. of w/Str, Lt. Brown oil droplets. Lt. petrolif odor. Tr. cut. p. flour.
 LS: AA, sl. less show

45-45' - 45-60"
 1st Open: 808 in 8" (2" blow SI)
 2nd Open: 808 in 17" (2" blow SI)
 Recovery: (530' Fluid)
 990' Gas in Pipe
 300' CGO (70% O, 10% G)
 170' MCGO (60% O, 10% G)
 60' OCGM (30% O, 10% G)
 FP: 49-147* 167-216*
 SIP: 1066-1656*
 HP: 2390* - 2289*
 BHT: 118° F

Vis 47 WT 9.3 WL 9.4

LS: Lt. Brown, v-fine mdstn. mostly dn. 170
 (7-8 pcs/tray) w. dk blk. DO stn. in fr. Intsln + vug of. 1 pc w/FO. No odor

Poor Samples (High V/L)

LS: AA, 1 pc. w/ Lt. Brown Stn, NFO, No odor

(Samples better)

LS: Lt Brown-Gy, v-fine mdstn. Dn. 2-3 pcs/tray w/dk. Blk. O.O. Stn. in pp. vug of. NFO. No odor.

Mud Eng. Check (#4279)
 Vis 100+ LCM 0"
 WT 9.3 pH 10.5
 WL 10.4 BU-60"
 CL 5000 msl

SS: Wt-clear, m-grn, well sorted + rdned grns. Clusters semi hard. Some loose sand grns. Some (10-20%) sand clusters w/calcium cement. All sand clusters w/excellent show FO. (100% sm. lt. brown oil droplets/clusters) Gd. odor on breaks, v. faint odor in smpl. cup. Fr. flour. Gd. cut. Fr. integr. of.
 Sh: Gy, Brown, Grns

Mud Eng. Check (#4279)
 Vis 100+ LCM 0"
 WT 9.3 pH 10.5
 WL 10.4 BU-60"
 CL 5000 msl

LS: Wt. v-fine grn. grstn. chky. dn. N.S.
 Sh: Lt. Gy, Dk. Gy

DST #4 4506-20' (32 2/3) 5nd
 30"-30"-30"-30"
 1st Open: Weak steady surf. blow
 2nd Open: No blow
 Recovery: 5' D. Mud.
 FP: 19-19* 19-19*
 SIP: 966-828*
 HP: 2390-2390*
 BHT: 120° F

LS: Gy. v-fine mdstn. dn. NS.

Sandy LS: Wt. v-fine grn LS w/lq. quant. fine grn, w/sorted rdned sand grns. chky. v. soft + friable. N.S. sl. Glauc.

SS: Lt. tan, w/fine grn w/sorted + rdned sand grns 2-4 clusters/tray. v. soft + friable. Fair amt. loose grns in smpl. tray. N.S. No odor. sl. Glauc.

Mississippi 4567 (1591)
 EL 4568'

LS: Wt. v-fine mdstn. dn. N.S. Sl. Sandy.
 SS: Wt. clear Lt. Grn. m-grn. med. well sorted, fairly well rounded. Calcite content w/fine amt. knots. Clusters soft and friable. Fair amt. loose sand grns. N.S. N.O.

LS: Com. fine mdstn. sandy chky. N.S.
 LS: Lt. Gy. v-fine mdstn + sm. wkystn. dn. NS.

< Mud pump down (3hr)

LS: Wt. v-fine grn grstn. v. sandy (p. sorted, med. well rdned sand grns) dn. N.S.

Vis 53 WT 9.2

Sandy LS: AA
 Sandy LS: AA

Final Mud Check (#4409)
 Vis 64 LCM 0"
 WT 9.2 pH 10.0
 WL 10.8 Bottoms Up: 58"
 CL 4000

96 RTD 4610'

Production Drilling - #1 Lodenburger "A"
 SW NE SW Sec. 7-135-33W
 Lodaan County Kansas

15-109 - 20563-00-00

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

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7590

ORIGINAL

new

Date	4-29-94	Sec.	7	Fwp.	13'	Range	33'	Called Out	9:30 PM	On Location	12:15 AM	Job Start	8:00 AM	Finish	9:20 AM
Lease	Ladenburger	Well No.		Location	Monument 115-16W	County	Logan	State	Kan						
Contractor	Murfen Dels Co # 3										Owner	Same			
Type Job	Production string (Bottom)														
Hole Size	7 7/8	T.D.	4610'												
Csg.	4 1/2	Depth	4593'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	D-V	Depth	1873'												
Cement Left in Csg.	23'	Shoe Joint	23.96												
Press Max.		Minimum													
Meas Line	RELEASED place ✓														
Perf.	JUN 2 8 1995														

CONFIDENTIAL

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	Production Dels Co	
Street	P.O. Box 680	
City	Hays	State
	Kan	67601
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.		
	x S. X. Burroughs	
	500 gal WFR-2 CEMENT	
Amount Ordered	175 SKS 60% 40pm, 2% gel, 10% salt	
Consisting of	50 SKS ASC, 10% salt	
Common	10.5 SKS @ 2.65	719.25
Poz. Mix	70 SKS @ 3.00	210.00
Gel	3 SKS @ 9.00	27.00
Salt	20 SKS @ 7.00	140.00
ASC	50 SKS @ 8.35	417.50
500 gal WFR-2	@ 1.00	500.00
Handling	1.00 per SK	225.00
Mileage	4.6 per SK mile	180.00
20 miles		
Sub Total		2,391.75
Total		

EQUIPMENT FROM CONFIDENTIAL

Pumptrk	No. 191	Cementer	Walt
		Helper	Wayne
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	309	Driver	Robert
Bulktrk	303	Driver	Jason

DEPTH of Job		
Reference	Pumptruck	1.980.00
	2.25 per mile	45.00
Sub Total		
Tax		
Total		1025.00

Remarks: Float Held

S. X. Burroughs

Floating Equipment	4 1/2
1-guide shoe	- 109.00
1-AFU insert	- 169.00
3-Baskets	- 113.00
8-Centralizers	- 477.00
1-DV Tool	- 2,200.00
Total	= 3,068

RECEIVED CORPORATION COMMISSION
 MAY 26 1994

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

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

7591

Home Office P. O. Box 31

Russell, Kansas 67665

new

ORIGINAL

Date	4-29-94	Sec.	7	fwp.	13 ^s	Range	33 ^w	Called Out	9:30 PM	On Location	12:15 AM	Job Start		Finish	11:00 AM
Lease	Ladenburger	Well No.	1	Location	Monument	115-16W	County	Logan	State	Kan					
Contractor	Murfin Drilling Co #3	Owner	CONFIDENTIAL												
Type Job	Production String (Top)	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.	4610'	Charge To											
Csg.	4 1/2	Depth	4593'	Production Drilling Co.											
Tbg. Size		Depth		Street											
Drill Pipe		Depth		P.O. 680											
Tool	D-V	Depth	1873'	City											
Cement Left in Csg.	23'	Shoe Joint	23.76	Hays											
Press Max.		Minimum		State											
Meas Line		Displace	✓	Kan 67601											
Perf.		The above was done to satisfaction and supervision of owner agent or contractor.													

EQUIPMENT

Pumptrk	No. 191	Cementor	Walt
		Helper	Wayne
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	309	Driver	Robert
Bulktrk	303	Driver	Jason

Purchase Order No.		CEMENT	
Amount Ordered	400 sks Lite, 1/4 lbs Flo-Seal		
Consisting of			
	Lite 325 sks @ 5.85	1901.25	
	Flo-Seal 81 lbs @ 1.10	89.10	
Gel.			
Chloride			
Quickset			
Handling	1.00 per sk	325.00	
Mileage	4¢ per sk/mile	260.00	
	20 miles		
Sub Total		2,575.35	
Total			

RELEASED

JUN 28 1995

FROM CONFIDENTIAL

DEPTH of Job		
Reference:	Pumptruck	525.00
Sub Total		
Tax		
Total		525.00

Remarks: Cement Did Circ Approx 50 sks in Pit
 Witnessed by: Walt Dull
 Roy Vanhelty
 R. P. Burdroughs

Thal Co

RECEIVED

MAY 26 1994

CONSERVATION DIVISION
 Wichita, Kansas

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

15-109-20563-00-00

CONFIDENTIAL

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL 4452

New

Date 4-18-84	Sec. 7	Twp. 13	Range 33	Called Out	On Location	Job Start	Finish 10:15 PM
Lease Ladanberger	Well No. 1	Location Monument 13 S 1/2 W			County Logan	State Kan	
Contractor Murphy #3				Owner Same			
Type Job Surface				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 12 1/4	T.D. 270	Charge To Production Prtg. Inc					
Csg. 8 5/8	Depth 270	Street P.O. Box 680					
Tbg. Size	Depth	City Hays State Kan. 67601		The above was done to satisfaction and supervision of owner agent or contractor.			
Drill Pipe	Depth	Purchase Order No.					
Tool	Depth	X Keith Van Pelt					
Cement Left in Csg. 15'	Shoe Joint	CEMENT					
Press Max.	Minimum	Amount Ordered 1.80 @ 40 3/4 cc 2 1/4 @ 60 1					
Meas Line	Displace <input checked="" type="checkbox"/>	Consisting of:					
Perf.		Common 102 @ 60 5		698 70			

EQUIPMENT

No. 177	Cementor	M. Adoo
	Helper	Will
No.	Cementor	
	Helper	
	Driver	R.G.
No. 212	Driver	

DEPTH of Job

Reference:	Pump Truck	430.00
	Plug	42.00
	235 Pannile	45.00
	Sub. Total	
	Tax	
	Total	517.00

Remarks: **Cement Dd Cir**
2 B B

Common	102 @ 60 5	698 70
Poz. Mix	68 @ 3 00	204 00
Gel.	3 @ N/C	N/C
Chloride	5 @ 25 00	125 00
Quickset		
Handling	@ 1 00	170 00
Mileage	4 @ 1/2 / mile	186 00
	(20)	
	Sub Total	
	Total	1333 70

RECEIVED
 JUN 28 1995
 FROM CONFIDENTIAL

RECEIVED
 STATE BOARD OF CONSERVATION COMMISSION
 MAY 26 1994

