

CONFIDENTIAL FEB 06 1992

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 # 6484

Name: Anderson Energy, Inc.

Address 200 E. First St., Suite 414  
Wichita, KS 67202

City/State/Zip \_\_\_\_\_

Purchaser: Farmland Industries

Operator Contact Person: William L. Anderson

Phone (316) 265-7929

Contractor: Name: White & Ellis Drilling, Inc.

License: 5420

Wellsite Geologist: Chris Peters

Designate Type of Completion

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

If OWMO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

- Mud Rotary     Air Rotary     Cable

9/12/90                      9/22/90                      10/20/90

Spud Date                      Date Reached TD                      Completion Date

API NO. 15- 193-20,525-0000 FROM CONFIDENTIAL

County Thomas

NW SW Sec. 26 Twp. 9 Rge. 32  East West

1980 Ft. North from Southeast Corner of Section

4620 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

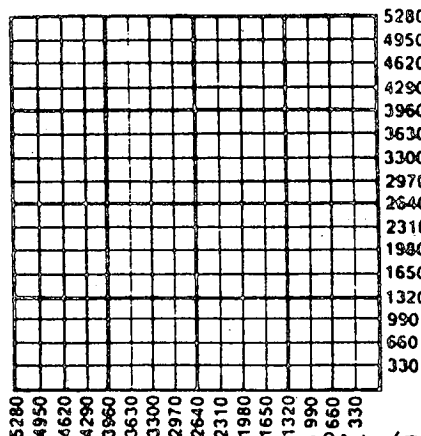
Lease Name Howard Well # 1

Field Name Ohl SW

Producing Formation Pawnee

Elevation: Ground 3058' KB 3063'

Total Depth 4670 PBD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 288 Feet

Multiple Stage Cementing Collar Used? Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 2260

feet depth to 0 w/ 350 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.

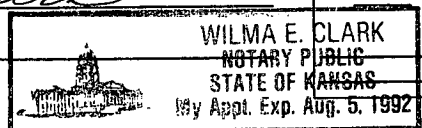
Signature William L. Anderson

Title Secretary-Treasurer Date 1-3-91

Subscribed and sworn to before me this 3rd day of January, 1991.

Notary Public Wilma E. Clark

Date Commission Expires August 5, 1992



**K.C.C. OFFICE USE ONLY**

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

**Distribution**

KCC                       SWD/Rep                       NGPA  
 KGS                       Plug                       Other (Specify)

Received  
1-9-91  
KCC

**SIDE TWO**

Operator Name Anderson Energy, Inc. Lease Name Howard Well # 1

Sec. 26 Twp. 9 Rge. 32  East  West  
 County Thomas

**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 sheet for DST's.

Formation Description		
	Top	Bottom
Anhydrite	2616	( +447)
Base Anhydrite	2644	( +419)
Heebner	4019	( -956)
Lansing	4056	( -993)
Stark	4267	(-1204)
Marmaton	4353	(-1290)
Pawnee	4458	(-1395)
Ft. Scott	4517	(-1454)
Mississippi	4627	(-1564)
LTD	4665	
RTD	4670	

**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"	20#	288'	60/40 Poz	175	2% gel, 3% c.c.
production	7-7/8"	5-1/2"	14#	4661-14'	60/40 Poz	150	10% salt 3/4 x 1% CFR-2 & 7 lbs gilsonite.

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		Amount	Depth
4	4498-4506' (Myrick Station)	500 gal. 15% N.E.	
4	4458-66' (Pawnee)	500 gal. 15% N.E.	
4	4284-92' (Lansing 'K')	500 gal. 15% N.E., 1000 gal.	15% N.E.
4	4317-22' & 4211-15' (Lansing I & K)	500 gal. 15% N.E.	
2	2260-61' squeezed w/	300 sx 'lite' & 50 sx common	2% c.c.

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 10/24/90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil <u>35</u> Bbls.	Gas _____ Mcf	Water <u>20</u> Bbls.	Gas-Oil Ratio _____	Gravity <u>40°</u>
-----------------------------------	---------------------	---------------	-----------------------	---------------------	--------------------

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 4458-66'

ORIGINAL

CONFIDENTIAL  
RELEASED

API No. 15-193,20,525  
Anderson Energy, Inc.  
#1 Howard - NW SW Sec. 26-9S-32W  
Thomas County, KS

FEB 06 1992

FROM CONFIDENTIAL

ACO-1 - DST's - Page 1

DST #1: 4087-4162 (Lansing B, C, D, E & F)  
30 (30) 30 (30)

Strong blow off bottom in 1½ mins.  
Rec. 2577' water and 110' mud w/oil specks  
IFP 516-1090#      FFP 1142-1270#  
ISIP 1294#      FSIP 1298#

DST #2: 4199-4224 (Lansing H)  
30 (30) 30 (30)

Very weak both opens  
Rec. 10' water and mud cut oil (45% oil, 30% water)  
IFP 38-38#      FFP 40-40#  
ISIP 1294#      FSIP 1196#

DST #3: 4229-4280' (Lansing I & J zones)  
30 (30) 30 (30)

1/2" blow building to bottom in 13 min. - both opens  
Rec. 252' GIP, 54' clean gassy oil & 63' ocm (20% oil)  
IFP 62-70#      FFP 85-88#  
ISIP 764#      FSIP 651#

DST #4: 4273-4294' (Lansing K)  
60 (45) 60 (60)

Surface blow building to 1" in 20 min.  
Steady 1" blow for next 20 min. and then decreasing to 1/4"  
on both opens  
Rec. 48' GIP, 5' clean gassy oil (35°) + 30' ocm (40% oil)  
IFP 50-53#      FFP 56-61#  
ISIP 254#      FSIP 330# Both shut-in still building  
Tools slid 3-5' to bottom

DST #5: 4450-73' (Pawnee)  
60 (45) 60 (60)

1st open weak surface blow building to 6½"  
2nd open weak surface blow building to 3-3/4"  
Rec. 194' GIP, 30' clean gassy oil (41°) 32' ocm (5% oil, 5% water)  
IFP 52-52#      FFP 56-62#  
ISIP 546#      FSIP 550#

DST #6: 4487-4541' (Myrick Station & Ft. Scott)  
30 (30) 30 (30)

Fair blow building to bottom in 8" - 1st open  
Fair blow building to bottom in 13" - 2nd open  
Rec. 764' GIP, 62' clean gassy oil (40°), 22' ocm (40% oil)  
and 187' muddy water w/a scum of oil  
IFP 63-94#      FFP 114-154#  
ISIP 1031#      FSIP 1013#

ORIGINAL

CONFIDENTIAL  
RELEASED

API No. 15-193,20,525  
Anderson Energy, Inc.  
#1 Howard - NW SW Sec. 26-9S-32W  
Thomas County, KS

FEB 06 1992

FROM CONFIDENTIAL

ACO-1 - DST's - Page 2

DST #7: 4566-4610 (Johnson zone)  
30 (30) 10 & Out  
Rec. 5' heavy ocm (40% oil)  
IFP 42-42# ISIP 96#

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

RELEASED

**ALLIED CEMENTING CO., INC. No. 8980**

Home Office P. O. Box 31

Russell, Kansas 67665

New

DATE	9-21-90	Sec.	26	Twp.	9E	Range	32W	Called Out	5:00PM	On Location	10:00PM	FROM Job Start	1:45am	IDENTIFY	Finish	2:00AM
USE	HOWARD TRUST Well No. #1-26	20' Salt Location		Oakley 3 1/2 N E into		THOMAS		KANSAS		County		State				
Contractor	White & Ellis DRlg. Rig #9															
Job	PRODUCTION STRING															
Well Size	7 7/8	T.D.	4670'													
Well Size	5 1/2	Depth	4661 KB.													
Well Size	8 5/8 SURFACE	Depth	288'													
Well Pipe		Depth														
Well	AFU INSERT	Depth	4623'													
Well	ment Left in Csg. 40.45	Shoe Joint	40.45													
Well	eso Max.	Minimum														
Well	Gas Line ✓	Displace	✓ 113 OBL													
Well	Ref.															

Owner: 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: ANDERSON ENERGY INC.

Street: 200 E First Suite 41A

City: Wichita State: KANSAS

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. 7.C. Person

Amount Ordered: 20 BBL SALT FLUSH CEMENT 1-GEL 500 GAL. WFR-2 3/4 OF 1/2 CFR-2

Consisting of:

Common	99 SK @ 6.00	594.00
Foz. Mix	165 SK @ 2.25	371.25
Gel.	1 SK @ 6.75	6.75
Chloride	Gilsonite - 98 LB @ 2.96	290.28
Quickset	SALT 24 SK @ 4.50	108.00
CFR-2	11 lbs @ 4.00	44.00
WFR-2	500 GAL @ 21.00	10500.00
		Sales Tax
Handling	@ 90¢	148.50
Mileage	3¢/SK/MILE	44.55
		Sub Total
		1489.79
		Total
		1296.79

EQUIPMENT

Imptrk #	No.	Cementer	Will
Imptrk #	No.	Helper	Will
Imptrk #	No.	Cementer	
Imptrk #	No.	Helper	
Imptrk #	No.	Driver	Jim
Imptrk #	No.	Driver	

DEPTH of Job	Rotating Head	
Reference:	Pump Truck Chrg.	838.00
	2.00 Per Mile	18.00
	5 1/2 RUBBER Plug	43.00
	Sub Total	
	Tax	
	Total	899.00

Remarks: FLOAT HELD

15 SK Cement in Rathole  
 0 BBL Salt Flush - 500 gal WFR-2 - 1 SK Gel - Cement

Floating Equipment (OWN)

Cent. 1-4-6-9-11-59-90

BSK. 59-60-91

Signature: [Handwritten]

144-7-1991

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

**ALLIED CEMENTING CO., INC.** RELEASED  
 NO 7084

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	9-12-90	Sec.	26	Twp.	9s	Range	32	Called Out	9:00 AM	On Location	12:45 PM	Job Start	2:55 PM	Finish	3:20 PM
Case	Howard	Well No.	1	Location				I-70 + 83 3 1/2 N. E. side		County	Thomas	State	Ks		
Contractor	White + Ellis #9														
Type Job	SURFACE														
Cable Size	12 1/4	T.D. 290'													
Log	8 5/8	Depth 288.71													
Log Size		Depth													
Fill Pipe		Depth													
Tool		Depth													
Amount Left in Csg.	15'	Shoe Joint													
Loss Max.		Minimum													
Gas Line	yes	Displace 17.8% 661-													
Ref.															

**EQUIPMENT**

Emptrk	No.	Cementer	KRS
	46	Helper	Johnny
Emptrk	No.	Cementer	
		Helper	
Emptrk	213	Driver	Jim
		Driver	

**EPITH of Job**

Reference:	Pump truck chg.	360.00
	9 Mi. lease	18.00
	1 8 5/8 TWP	40.00
	Sub Total	
	Tax	
	Total	418.00

Remarks: Cement did circ.

Allied Cementing Inc  
 Kris Klitzke

Owner Sam

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 Anderson Energy Inc.  
 Street 200 E 1st Suite 414  
 City Wichita State Ks. 67202

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No. Donald A. Dand rig #9

**CEMENT**

Amount Ordered	175 sub 60/40 2% gel 4% cc		
Consisting of			
Common	105	5.00	630.00
Poz. Mix	70	2.40	168.00
Gel.	4	6.75	27.00
Chloride	7	20.00	140.00
Quickset			
Sales Tax			

Handling	175	90	157.50
Mileage	9		47.25
Sub Total			
Total			1142.75

Floating Equipment

TOTAL \$ 1560.75  
 Disc 312.15

SEP 18 1990  
 \$ 1248.60  
 E. Anderson

Thank you

SEP 17 1990

ORIGINAL

# ALLIED CEMENTING CO., INC. No. 8902

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

FROM CONFIDENTIAL

Date	10-17-90	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
Case	HOWARD	Well No.	#1	Location	Oakley West Exit 3 1/2 N	County	THOMAS	State
Contractor	Express Well Service							
Job	Squeeze							
Cable Size	5 1/2"		T.D.					
Log Size	2"		Depth					
Well Pipe	Tension Packer		Depth					
Tool	CO. TOOLS		Depth 2149'					
Weight Left in Csg.			Shoe Joint					
Pressure Max.	1500#		Minimum					
Gas Line			Displace					
Depth	2260' - 61'							

Owner *1/4 SE into*

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 **ANDERSON ENERGY'S**

Street **220 E. First Suite 414**

City **Wichita** State **Kansas**

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *7.C. from 10/18/90*

**2 SK SAND CEMENT** (cement for 30SK)

Amount Ordered **100 SK COM**

### EQUIPMENT

Emptrk #177	No.	Cementer	<i>Glenn</i>
		Helper	<i>Will</i>
Emptrk #22	No.	Cementer	
		Helper	
Dktrk #22		Driver	<i>Steve P.</i>
		Driver	

Consisting of	
Common	100 SK @ 525 = 525.00
Poz. Mix	
Chl. Cement	5# @ 4.00 = 20.00
Chloride	
Quickset	
SAND	2 SK @ 475 = 950.00
Handling	1.00 ea = 100.00
Mileage	3 1/2 SK / MILE = 40.00
Sales Tax	
Sub Total	694.50
STATE COMMISSION	
Total	694.50
Floating Equipment	<i>[Signature]</i>

DEPTH of Job	
Reference:	
	Pump TRUCK Chrg 450.00
	2.00 PER MILE 16.00
	Sub Total
	Tax
	Total 466.00

Remarks: BRIDGE Plug @ 4125' Set Packer @ 4095' & Tested B. Plug @ 1500' HELD. Released Tool, Circulated Hole, Spot 2 SK SAND on plug, Came P & Set packer @ 2149' Pressured up Backside to 500# & shut in. Hooked up to Tubing & took rate of 3 BBL/PER MIN @ 1000#. Mixed cement staged & squeezed @ 1600#. Released, washed around packer, & Tubing clean. Pulled bits & pressured up to 500# shut in.