

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

API NO. 45- 119-21037-0000

County Meade

NE- NE - SW - Sec. 15 Twp. 35 S Rge. 30 X W

350 Feet from S/N (circle one) Line of Section

2310 Feet from E/W (circle one) Line of Section

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

Lease Name Adams Ranch Well # 2-15

Field Name WC

Producing Formation Spergen

Elevation: Ground 2378' KB 11'

Total Depth 6450' PBTD 6409'

Amount of Surface Pipe Set and Cemented at 1571 Feet

Multiple Stage Cementing Collar Used? Yes X No

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

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 8/27/02  
(Data must be collected from the Reserve Pit)

Chloride content 7000' ppm Fluid volume 375 bbls

Dewatering method used evaporation, haul free wtr

Location of fluid disposal if hauled offsite:

Operator Name Nichols Water Service Inc

Lease Name Nichols No. 2 SWD License No. 446682

Quarter Sec. 30 Twp. 4N S Rng. 23 E/W

County Beaver Co Okla Docket No.

Operator: License # 32426

Name: H & L Operating Co., L.L.P.

Address P. O. Box 7506

City/State/Zip Amarillo, TX 79114-7506

Purchaser: GENERAL GAS INC.

Operator Contact Person: Ronald P. Moon

Phone (806) 353-4331

Contractor: Name: H-40 Drilling

License: 30692

Wellsite Geologist: Paul Godowic

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, 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 \_\_\_\_\_ PBTD  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

12/28/00 01/10/01 01/11/01  
Spud Date Date Reached TD Completion Date

RECEIVED  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
JUN 15 2001  
6-13-01

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 Ronald P. Moon

Title Partner Date 6/08/01

Subscribed and sworn to before me this 8th day of June

Notary Public

Virginia M. Gill  
NOTARY PUBLIC  
STATE OF TEXAS  
Date Commission Expires 12-7-2002

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other (Specify)

ORIGINAL

SIDE TWO

Operator Name H & L Operating Co., L.L.P. Lease Name Adams Ranch Well # 2-15

Sec. 15 Twp. 35S Rge. 30  East  West  
County Meade

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: N-D, DIL, GR, ML

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Red Bed	3550'	
Dolomite	5210'	
Lime and Shale	6450'	
Rotary Total Depth	6450'	

DST Morrow 5660'-5744' (attached)

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
Conductor	30"	20"	78.6	68	Grout	6-1/2 yd	8% sk grout 2% cc
Surface	12-1/4"	8-5/8"	24.0	1571	65:35:6 Poz H 3% cc 2% gel A	550 250 330	3% cc 1/4 floseal
Production	7-7/8"	5-1/2"	15.5	6462	PR PL 6# 6%	350	3% cc 1/4 floseal

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
4	Spergen 6348-6352	325 gal 15% Fe Acid	6348-6352
	well awaiting pipeline connection		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	6310	6310	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
WOPL	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20	2000	0	100:000	70

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: Spergen 6348'-6352'



**JOB SUMMARY**

ORDER NO. 70006

TICKET #	1077701	TICKET DATE	1-11-01
BDA / STATE	KS	COUNTY	Johnson
PSL DEPARTMENT	22	<b>ORIGINAL</b>	
CUSTOMER REP / PHONE	T. Morris Elliott 806-435-8717		
API / UWI #			
WELL LOCATION	1976 N.W. Forkum Ok.		
LEASE / WELL	Armas March 2-15		
DEPARTMENT	22	JOB PURPOSE CODE	035
SEC / TWP / RNG	15-35-30		

REGION	North America	NWA/COUNTRY	USA
MBU ID / EMP #	79620103 106704	EMPLOYEE NAME	J. D. V. J.
LOCATION	616010 KS	COMPANY	HIL OPPER.
TICKET AMOUNT		WELL TYPE	01 / 02
WELL LOCATION	1976 N.W. Forkum Ok.		
LEASE / WELL	Armas March 2-15		

HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)   HRS
T. Morris 106704   10 1/2			
J. D. V. J. 126452   1			
J. Morris 204450   1			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
10219237	60						
53336-6612	60						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar 1 1/2	1	H
Float Shoe 1 1/2	1	
Guide Shoe 1 1/2	1	O
Centralizers Turb	18	
Bottom Plug		W
Top Plug SW	1	
Head P.C.	1	C
Packer		
Other		O

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
1-11-01	0300	01-11-01	1-11-01	1-11-01
		0700	1500	1630

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	KB	6462	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				C.M.F
				5 1/2
				L.S.
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
TREATED	<b>AVERAGE RATES IN BPM</b>	
	Disp.	Overall
FEET 45	<b>CEMENT LEFT IN PIPE</b>	
	Reason	S.J

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	350	PLT	B.	10 GELSON, 1/4 # FROSE 10, 670 H919d 9	1.71	13.1

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal 13.5
		Cement Slurr Gal - BBI 106.5	
		Total Volume Gal - BBI	



# ALLIED CEMENTING CO., INC. 5137

Federal Tax I.D.# 48-0727860

**RECEIVED**

ORIGINAL

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

SERVICE POINT:

*MED Lodge*

JAN 5 2001

DATE <i>12-29-00</i>	SEC. <i>15</i>	TWP. <i>35S</i>	RANGE <i>30W</i>	CALLED OUT <i>2:30</i>	ON LOCATION <i>7:00 AM</i>	JOB START <i>7:20 AM</i>	JOB FINISH <i>4:20 PM</i>
LEASE <i>ADAMS Ranch</i>	WELL# <i>2-15</i>	LOCATION <i>1/4 Sec 15-35S-30W-1N-1W-4N-1/2W 11E-70E</i>		COUNTY <i>11E-70E</i>	STATE		
OLD OR <u>NEW</u> (Circle one)		<i>Right of Way Guard - 1/2 W 1/2 N - E into</i>					

CONTRACTOR *H-40 Dalg Co*

TYPE OF JOB *Surface Pipe*

HOLE SIZE *12 1/4" T.D. 1577*

CASING SIZE *8 5/8 24" DEPTH 1571*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT *41*

CEMENT LEFT IN CSG. *41A*

PERFS \_\_\_\_\_

DISPLACEMENT *97 bbls*

OWNER *H & L Operating*

CEMENT

AMOUNT ORDERED *550 sks 65/35:6+3% C.C. + 4# FS*

*350 sks Class A + 3% C.C. + 2% 2#*

*330 sks Class A + 3% C.C.*

EQUIPMENT

PUMP TRUCK CEMENTER *LARRY STORM*

# *356-302* HELPER *LARRY B.*

BULK TRUCK

# *1540* DRIVER *JASON T.*

BULK TRUCK

# *1553* DRIVER *MIKE REEVE*

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

REMARKS:

*Wide Circulation Rotary Mud - Mixed 550 sks 65/35:6+3% C.C. + 4# FS Tailed with 250 sks Class A + 3% C.C. + 2% 2# Displaced 97 bbls Freshwater to lower plug. 600# Displacement # - Dump plug to 800# Retained float held. Ran 11" to depth of 175 ft and circulated cement to surface. Used 330 sks Class A 3% C.C. - 4:20 PM*

TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

PLUG *1-858 Rubber* @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: *H-40 Dalg Co*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \_\_\_\_\_

FLOAT EQUIPMENT

*1-858 Wide Shoe* @ \_\_\_\_\_

*1-858 AFU Insert Valve* @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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.

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE *[Signature]*

*John Jackson*

PRINTED NAME