

ORIGINAL SIDE ONE

145-21341-0000

FEB 05 1992

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

API NO. 15- _____
County Pawnee FROM CONFIDENTIAL

NW NE NW Sec. 1 Twp. 21 Rge. 16W East West

4950 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name SPREIER Well # 1

Field Name _____

Producing Formation Arbuckle

Elevation: Ground 1982 KB 1987

Total Depth 3870 PBDT 3833

Operator: License # 5822

Name: VAL ENERGY, INC.

Address Box 322

Haysville, Ks. 67060

City/State/Zip _____

Purchaser: Maclaskey

Operator Contact Person: K. Todd Allam

Phone (316) 522-1560

Contractor: Name: VAL ENERGY, INC.

License: 5822

Wellsite Geologist: Todd Morgenstern STATE COMMISSIONER

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd. CONSERVATION DIVISION

Gas Inj Delayed Comp. Wichita, Kansas

Dry Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:

Operator: _____

Well Name: _____

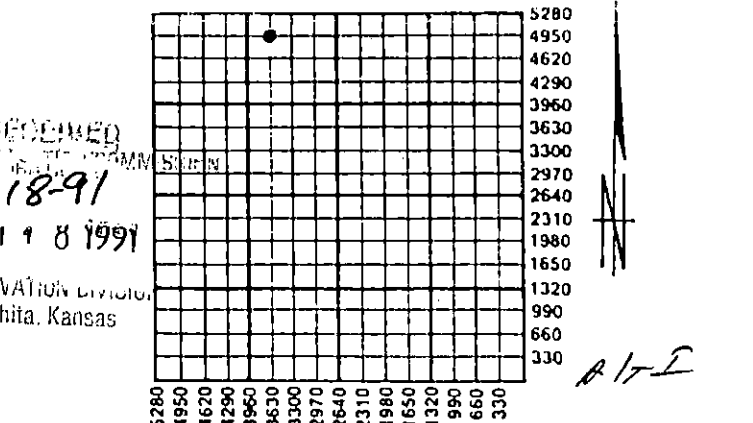
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-12-90 11-25-90 1-3-91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 1010 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.

RECEIVED
1-18-91
JAN 18 1991
STATE CORPORATION COMMISSION
WICHITA, KANSAS

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 K. Todd Allam

Title President Date 1-5-91

Subscribed and sworn to before me this 5 day of January, 1991.

X Notary Public Gary D. Stearns

Date Commission Expires 2-19-92

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)

GARY D. STEARNS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 2-14-92

CONFIDENTIAL

SIDE TWO

Operator Name VAL ENERGY, INC. Lease Name SPREIER Well # 1
 Sec. 1 Twp. 21 Rge. 16 East West
 County Pawnee

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.)

Formation Description		
Name	Top	Bottom
anhydrite	990	
hoober	3320	
toronto	3338	
douglas	3352	
b lime	3412	
lansing	3421	
base KC	3667	
simpson	3725	
arbuckle	3779	
TD	3870	

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 1/2	8 5/8		1010	60/40		
production	7 7/8	5 1/2	141b.	3868	60/40	175	circulated 375sx

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	3784-87	none	

TUBING RECORD Size 2 7/8 Set At 3786 Packer At _____ Liner Run Yes No

Date of First Production 1-7-91 Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours: Oil 25 Bbls. Gas 10 Mcf Water 250 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

CONFIDENTIAL

UNIFORMAL

CONFIDENTIAL

FEB 0 5 1992

LANSING-KANSAS CITY: (Cont.)

FROM CONFIDENTIAL

- 3593-3598 Limestone, gray and tan, finely crystalline, oolitic and oolitic, with fair to good oolitic porosity, slightly chalky, no shows of oil were noted.
- 3645-3650 Limestone, tan and gray, finely crystalline, dense, fossiliferous, chalky, with fair fossiliferous porosity, no shows of oil were noted.

ARBUCKLE:

- 3769-3775 Dolomite, tan, finely crystalline, dense, with fair intercrystalline porosity, scattered light stain, very slight show of free oil, fair odor. (Covered by D.S.T. No. 1)

FORMATION TEST NO. 1

3769-3775

		I.H.P.	1900#
Strong blow in 2 min.	30 min.	I.F.P.	32#-34#
	30 min.	I.S.I.P.	1052#
Strong blow in 3 min.	30 min.	F.F.P.	64#-67#
	30 min.	F.S.I.P.	1040#
		F.H.P.	1882#

RECOVERY: 1100' of gas in pipe.
100' of gassy water with scum of oil.

CHLORIDES: 24,000 P.P.M

TEMPERATURE: 113°

- 3776-3784 Dolomite, tan and gray, fine to medium crystalline, slightly rhombic, sparry, with fair to good intercrystalline and pinpoint porosity, good show of free oil, good odor. (Covered by D.S.T. No. 2)

FORMATION TEST NO. 2

3779-3784

		I.H.P.	1868#
Strong blow/GTS in 5 min.	30 min.	I.F.P.	260#-280#
	30 min.	I.S.I.P.	1027#
Strong blow/GTS	30 min.	F.F.P.	322#-391#
	30 min.	F.S.I.P.	967#
		F.H.P.	1830#

DEPARTMENT OF REVENUE
STATE CORPORATION COMMISSION

JAN 18 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

CONFIDENTIAL

FORMATION TOPS:

RELEASED

FEB 0 5 1992

FROM CONFIDENTIAL

FORMATION	SAMPLE	LOG	DATUM
ANHYDRITE	990'	N/A	+ 997
HEEBNER	3320'	3310'	-1323
TORONTO	3338'	3329'	-1342
DOUGLAS	3352'	3342'	-1355
BROWN LIME	3412'	3402'	-1415
LANSING	3421'	3413'	-1426
"G" ZONE Ø	3486'	3477'	-1490
BASE K.C.	3667'	3656'	-1669
SIMPSON	3725'	3715'	-1728
WEATHERED ARBUCKLE	3774'	3765'	-1778
ARBUCKLE	3779'	3769'	-1782
LOG TOTAL DEPTH	****	3862'	-1875
ROTARY TOTAL DEPTH	3870'	****	-1883

SAMPLE DESCRIPTIONS AND TEST DATA:

(All depths have been corrected to log measurements.)

LANSING-KANSAS CITY:

- 3413-3420 Limestone, cream, tan and gray, very finely crystalline, oolitic and oolitic, with poor to fair oolitic porosity, slightly chalky, no shows of oil were noted.
- 3477-3524 Limestone, tan, cream and gray, very finely crystalline, oolitic and oolitic, with good oolitic porosity, slightly cherty in part, white chalk, no shows of oil were noted.
- 3554-3560 Limestone, tan and gray, finely crystalline, fossiliferous, oolitic and oolitic, with good oolitic porosity, no show of oil were noted.

RECEIVED
STATE GEOLOGICAL COMMISSION

JAN 7 8 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

FORMATION TEST NO. 2 (Cont.)

CONFIDENTIAL RELEASED

FEB 05 1992

GAS FLOW REPORT:

Initial Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
10	10 lbs.	1"	116,000 CFPD
20	8 lbs.	1"	101,000 CFPD
30	6 lbs.	1"	86,300 CFPD

FROM CONFIDENTIAL

Final Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
10	20 lbs.	1/4"	7,510 CFPD
20	33 lbs.	1/4"	9,600 CFPD
30	20 lbs.	1/4"	7,510 CFPD

RECOVERY: 340' clean gassy oil. (34° gravity)
60' oil and gas cut water.
540' gassy water.

CHLORIDES: 25,000 P.P.M.

TEMPERATURE: 116°

RECEIVED
STATE OF KANSAS
FEB 8 1991
CONSERVATION DIVISION
Wichita, Kansas

3785-3794 Dolomite, buff, tan and pink, fine to medium crystalline, slightly rhombic, with fair to good intercrystalline and pinpoint vugular porosity, good staining and saturation, good show of free oil, good odor. (Covered by D.S.T. No.3)

FORMATION TEST NO. 3

3789-3794

Strong blow/GTS in 29 min.	30 min.	I.H.P.	1837#
		I.F.P.	767#- 965#
Strong blow/GTS	45 min.	I.S.I.P.	1207#
	30 min.	F.F.P.	857#-1057#
	60 min.	F.S.I.P.	1207#
		F.H.P.	1823#

Initial Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
30	N/A	1/4"	3,710 CFPD

Final Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
5	N/A	1/4"	3,710 CFPD
30	N/A	1/4"	2,370 CFPD

ORIGINAL

FEB 0 5 1992

FORMATION TEST NO. 3 (Cont.)

FROM CONFIDENTIAL

CONFIDENTIAL

RECOVERY: 600' clean, gassy oil. (36° gravity)
1800' gassy water.

CHLORIDES: 23,000 P.P.M.

TEMPERATURE: 119°

3797-3805 Dolomite, tan, cream and brown, finely crystalline, slightly oolitic, with fair to good intercrystalline and pinpoint vugular porosity, slightly cherty and oolitic in part. (Covered by D.S.T. No. 4)

FORMATION TEST NO. 4

3799-3805

Strong blow in 1 min.	30 min.	I.H.P.	1833#
	45 min.	I.F.P.	487#- 786#
Strong blow in 2 min.	30 min.	I.S.I.P.	1127#
	45 min.	F.F.P.	947#-1021#
		F.S.I.P.	1159#
		F.H.P.	1812#

RECOVERY: 500' of gas in pipe.
120' of gassy water with scum of oil.
2400' of gassy water.

CHLORIDES: 20,000 P.P.M.

TEMPERATURE: 122°

3808-3824 Dolomite, white, cream and tan, finely crystalline, sucrosic, oolitic and oolitic with fair to good oolitic porosity, chalky, very slight show of oil, scattered spotted staining, no odor.

SUMMARY:

The No. 1 Spreier was drilled to a total depth of 3870' RTD.. Four drill stem tests were run in the Arubckle with two being positive. After reviewing the open hole logs, it was decided to run 5 1/2" production casing and complete this well through perforations.

RECOMMENDED PERFORATIONS:

3784-3787
3778-3780

WICHITA
STATE CONSERVATION COMMISSION
PERFORATION

FEB 18 1991
CONSERVATION DIVISION
Wichita, Kansas

Respectfully submitted,

Todd E. Morgenstern
Todd E. Morgenstern
Geologist

3-2627, Russell, Kansas
793-5861, Great Bend, Kansas

RELEASED

ORIGINAL

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

ALLIED CEMENTING CO., INC. No. 9118

Home Office P.O. Box 31

Russell, Kansas 67665

CONFIDENTIAL

New

Date	11-14-90	Sec.	1	Twp.	21	Range	16	Called Out	6:00 AM	On Location	7:00 AM	Job Start	9:30 AM	Finish	10:30 AM	
Lease	Sprier	Well No.	1	Location	Pawnee Rock 2 1/2 W.S.S.			County	Pawnee	State	KS					
Contractor	Val Energy Drilg											Owner	M... ..			
Type Job	Deep String 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. 1010'													
Cg.	8 5/8		Depth 1010'													
Thg. Size	Depth															
Drill Pipe	Depth															
Tool	Depth															
Cement Left in Csg.	15'		Shoe Joint													
Press Max.	Minimum															
Meas Line	✓ 997'		Displace 44,000 lbs													
Perf.																

EQUIPMENT

OT. Bend No.	Cement	Phil	
Pumpuk 195	Helper	Jack	
No.	Cement		
Pumptrk	Helper		
	Driver	JACKS	
Bulktrk 179	Driver		
Bulkuk	Driver		

DEPTH of Job		
Reference:	Pump Trk Chg	380.00
17	Pump Trk mix	34.00
1	8 5/8 Plug Rubber	63.00
	710' at .39	276.90
	Total	753.90

Remarks: Cement did circulate

Thank You!
Allied Cementing Co Inc.
By Philip ...

Charge To **VAL ENERGY Inc.**
Street **PO Box 322**
City **Hayward** State **Ks.** **67060**
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. **X** *Phil Smith*
CEMENT

Amount Ordered	375 SKS 60/40 2% gel 3% loc		
Consisting of			
Common	225	5.25	1181.25
Poz. Mix	150	2.25	337.5
Gel.	8	6.25	50.00
Chloride	11	21.00	231.00
Quickset			
Handling	375	1.00	375.00
Mileage	17		255.0
Sub Total			
Total			2379.75

Floating Equipment
Total \$ 3133.65
Disc - 626.73

8 1991
2506.92

C.O.H.

2627, Russell, Kansas
93-5861, Great Bend, Kansas

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

ALLIED CEMENTING CO., INC.

FEB 05 1992
No 6042
11-25-90

Home Office P. O. Box 31

Russell, Kansas 67665 FROM CONFIDENTIAL

Date	11-24-90	Sec.	1	Twp.	21	Range	16	Called Out	5:00 AM	On Location	7:30 PM	Job Start	12:30 AM	Finish	1:50 PM
Lease	Spring	Well No.	#1		Location			Pounce Road 2 1/2 mi slide		County	Pawnee		State	KS	
Contractor	VAH Drilling Rig #1					Owner					MAUCK OIL				
Type Job	Long string job					To Allied Cementing Co., Inc. West Star OIL & GAS					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.		3870 FT										
Csg. 14"	5 1/2		Depth		3868 FT										
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint		16 FT										
Press Max.	5000		Minimum												
Meas Line	✓		3852 FT		Displace		93.9 bbl								
Perf.															

EQUIPMENT

No.	Cementer	Mike
Pumptrk 120	Helper	Brad
No.	Cement	Brad
Pumptrk	Helper	Brad
	Driver	Dwayne
Bulktrk 66	Driver	

DEPTH of Job	3868 FT	
Reference:	Pump truck charge	880.00
17	mileage charge	34.00
1	5 1/2 Rubber Plug	45.00
	Sub Total	
	Tax	
	Total	959.00

Remarks: Heat did hold
Thank You
Allied Cementing Co. By Mike Munsch
Mike Munsch

Charge To	VAH Energy Inc		
Street	Box 322		
City	Hoysville	State	KS 67060
The above was done to satisfaction and supervision of owner agent or contractor			
Purchase Order No.	X Bill Calkins		
CEMENT Thank you			
Amount Ordered	185 60	180 salt	2 of 12 FRA 100 salt ft.
Consisting of			
Common	111	5.25	582.7
Poz. Mix	74	2.25	166.5
Gel.			
Chloride			
Quickset	F.R.A - 14"	4.50	63.0
Salt-38		4.75	180.5
Sales Tax			
Handling	185	1.00	185.00
Mileage	17		125.80
TOTAL \$ 2985.55 Disc - 597.11 \$ 2388.44		Sub Total	
Floating Equipment		Total	1303.5
1 Mude shoe - 125.00			
1 In vent - 189.00			
5 Centralizers - 230.00			
4 Rock Ring - 52.00			
1 Basket - 127.00			
\$ 723.00			