

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

Operator: License # 32050

Name: Canyon Exploration Co.

Address P.O. Box 15205

City/State/Zip Amarillo, TX 79105

Purchaser: \_\_\_\_\_

Operator Contact Person: Randy J. O'Neal

Phone (806) 374-0071

Contractor: Name: Val Energy

License: 5822

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:

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. \_\_\_\_\_

10-22-97 11-5-97 11-6-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21676000

County Seward

NW - SW - NW - Sec. 17 Twp. 31S Rge. 31 X <sup>E</sup> <sub>W</sub>

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

400 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 Patterson Well # 1-17

Field Name Thirty One

Producing Formation Dry Hole

Elevation: Ground 2834' KB 2843'

Total Depth 5900' PBTD 5'

Amount of Surface Pipe Set and Cemented at 1702 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.

Drilling Fluid Management Plan ALT 1 97 12-10-97  
(Data must be collected from the Reserve Pit)

Chloride content 5600 ppm Fluid volume 800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

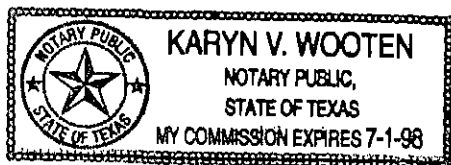
Signature Randy J. O'Neal  
Title President Date 11-18-97

Subscribed and sworn to before me this 18<sup>th</sup> day of November, 19 97.

Notary Public Karyn V. Wooten

Date Commission Expires 7-1-98

State of Texas  
County of Patter



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

Operator Name Canyon Exploration Co. Lease Name Patterson Well # 1-17

Sec. 17 Twp. 31S Rge. 31  
 East  
 West

County Seward

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.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

List All E.Logs Run:  
 Schlumberger DIL, FDC-CNL, ML

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Sand and Shale	0	2200'
Sand and Lime	2200'	2630'
Lime and Shale	2630'	4170'
Shale	4170'	4210'
Shale and Lime	4210'	5425'
Shale and Silt	5425'	5605'
Sand and Shale	5605'	5650'
Limestone	5650'	5900'
Rotary Total Depth		5900'

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	28	1702	Pozmix Lite	550	3% C.C. 1/4" sx Floccule
					Class "A"	150	3% C.C. 2% Gel

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No

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

Estimated Production Per 24 Hours	Oil N/A Bbls.	Gas N/A Mcf	Water N/A Bbls.	Gas-Oil Ratio	Gravity

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: \_\_\_\_\_

# ORIGINAL

## CANYON EXPLORATION CO.

### PATTERSON NO. 1

1650' FNL and 400' FWL

Sec. 17-31S-31W

Seward Co., Kansas

API# 175-21676000

### Drill Stem Test Results

Test Interval: 5400'-5490'

Initial Flow: 30 minutes

Initial Shutin: 60 minutes

Final Flow: 60 minutes

Final Shutin: 120 minutes

Bottom Hole Temperature: 123 degs. F

Initial Hydrostatic Pressure:	2798 psi.
Flowing Pressure Initial Flow Period:	65-65 psi.
Shutin Pressure Initial Shutin Period:	76 psi.
Flowing Pressure Final Flow Period:	65-65 psi.
Shutin Pressure Final Shutin Period:	76 psi.
Final Hydrostatic Pressure:	2696 psi.

Recovery was 10 feet of drilling mud.

RECEIVED  
D 11  
11/15/65

# Canyon Exploration Co.

---

P.O. Box 15205  
Amarillo, TX 79105  
(806) 374-0071  
Fax: (806) 373-5737

December 1, 1997

Kansas Corporation Commission  
130 S. Market, Room 2078  
Wichita, Kansas 67202

Re: **PATTERSON #1**  
**SEC. 17-31S-31W**  
**SEWARD COUNTY, KANSAS**

Gentlemen:

Please find enclosed the original and two (2) copies of Form ACO-1 and Form CP-4 for the referenced well. Also, enclosed are one (1) copy each of the cementing tickets, Drill Stem Test results, and wireline logs.

Thank you for your assistance. If you have any questions or need additional information, please let us know.

Sincerely,



Jane Cornelius

/jac  
Enclosures

RECEIVED  
DEC 1 1997  
10:10 AM  
KANSAS CORPORATION COMMISSION

# ALLIED CEMENTING CO., INC.

6369

## ORIGINAL

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

SERVICE POINT:  
med. lodgts.

DATE <u>10-24-97</u>	SEC. <u>17</u>	TWP. <u>31s</u>	RANGE <u>-3 0</u>	CALLER OUT <u>12:00 A.M.</u>	ON LOCATION <u>4:30 A.M.</u>	JOB START <u>9:00 A.M.</u>	JOB FINISH <u>11:00 A.M.</u>
LEASE <u>Patterson</u> WELL # <u>1-17</u>			LOCATION <u>PLAIN, Ks. on hwy to Coline. SW-67</u>	COUNTY <u>Secord</u>	STATE <u>Ks.</u>		

OLD OR NEW (Circle one)

CONTRACTOR Ual Energy  
 TYPE OF JOB Surface Csg  
 HOLE SIZE 12 1/4 T.D. 1713  
 CASING SIZE 8 5/8 x 24 DEPTH 1712'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1000 MINIMUM 300  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 40.47  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_

OWNER Canyon  
 CEMENT  
 AMOUNT ORDERED 550 sxs. All + 3% CACL2  
1/4# Flo-Seal. 150 sxs. CLASS A + 2% Gel  
3% CACL2  
 COMMON A 150 @ 7.55 1132.50  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 GEL 3 @ 9.50 28.50  
 CHLORIDE 21 @ 28.00 588.00  
AW 550 @ 7.05 3877.50  
FLO-SEAL 138# @ 1.15 158.70  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 HANDLING 700 @ 1.20 840.00  
 MILEAGE 700 x 46 @ .04 1288.00

EQUIPMENT

PUMP TRUCK CEMENTER Harry Dreiling  
 # 233-302 HELPER Kevin B.  
 BULK TRUCK  
 # 259-314 DRIVER John Kelley  
 BULK TRUCK  
 # 240-251 DRIVER James Holt

TOTAL \$7913.20

REMARKS:

SERVICE

Pipe on Bottom - Break Circ.  
mix + Pump 550 sxs. All + 3% CACL2  
1/4# Flo-Seal. 150 sxs. CLASS A + 2% Gel  
3% CACL2. Release Plug. Pump  
Displace Plug w/ 106 bds. Fresh  
H2O. Bump Plug. Release PST  
Float Held. Cement Circ. to Surface

DEPTH OF JOB 1712'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 1185.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 MILEAGE 32 @ 2.85 91.20  
 PLUG Robber 8 5/8 @ 90.00 90.00  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_

TOTAL \$1366.20

CHARGE TO: Ual Energy  
 STREET P.O. Box 322  
 CITY HAYSVILLE STATE KANSAS ZIP 67060

FLOAT EQUIPMENT

1-AFU Insert @ 358.00 358.00  
1-Basket @ 200.00 200.00  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_ \_\_\_\_\_

TOTAL \$558.00

TAX \_\_\_\_\_  
 TOTAL CHARGE \$9837.40

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.

SIGNATURE x Dale Smith DALE SMITH

# ALLIED CEMENTING CO., INC. 8654

Federal Tax I.D.# 48-0727860

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

## ORIGINAL

SERVICE POINT:

Oakley

DATE <u>11/6/97</u>	SEC. <u>17</u>	TWP. <u>31S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>6:00 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Patterson</u>	WELL # <u>1-17</u>	LOCATION <u>sublette 7s 9w 1k5 E1s</u>		COUNTY <u>Seward</u>	STATE <u>Ks</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Val Energy</u>	OWNER <u>Sam L</u>
TYPE OF JOB <u>Rotary Plug</u>	CEMENT
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE <u>8 7/8</u>	DEPTH <u>1712</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2 16.60#</u>	DEPTH <u>3010</u>
TOOL	DEPTH
PRES. MAX <u>200</u>	MINIMUM <u>50</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

AMOUNT ORDERED	<u>215 sks 60/40 + 67 gal</u>	
COMMON	<u>129 sks @ 7.55</u>	<u>973.95</u>
POZMIX	<u>86 sks @ 3.25</u>	<u>279.50</u>
GEL	<u>11 sks @ 9.50</u>	<u>104.50</u>
CHLORIDE	@	
	@	
	@	
	@	
	@	
HANDLING	<u>215 sks @ 1.20</u>	<u>258.00</u>
MILEAGE	<u>215 x .04 x 46</u>	<u>395.60</u>
TOTAL		<u>2011.55</u>

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Max</u>
# <u>300</u>	HELPER <u>Wayne</u>
BULK TRUCK	
# <u>315</u>	DRIVER <u>Terry</u>
BULK TRUCK	
#	DRIVER

**REMARKS:**

Spot Plug Thru Drill Pipe  
100 sks @ 3010 FT    50 sks @ 1740 FT  
40 sks @ 850 FT    10 sks @ 40 FT  
15 sks in Rat Hole  
60/40 + 67 gal Mixed @ 13.8 #/gal  
yield 1.58 FT/sk

SERVICE		
DEPTH OF JOB	<u>3010</u>	
PUMP TRUCK CHARGE	<u>685.00</u>	
EXTRA FOOTAGE	@	
MILEAGE	<u>32 MI @ 2.85</u> <u>91.20</u>	
PLUG	@	
	@	
TOTAL		<u>776.20</u>

CHARGE TO: Canyon Exploration Co.  
 STREET Box 15205  
 CITY Amarillo STATE TX ZIP 79105

FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
TOTAL		

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.

TAX	
TOTAL CHARGE	<u>2787.75</u>
DISCOUNT	<u>418.16</u> IF PAID IN 30 DAYS

SIGNATURE Bill Elliott

PRINTED NAME BILL ELLIOTT